Integrated Dell Remote Access Controller 9

Attribute Registry

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DELL EMC

Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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1

iDRAC Property Database Group and Object Descriptions

The iDRAC property database contains the configuration information for iDRAC. Associated object is organizing data, and object group is organizing object. The IDs for the groups and objects that the property database supports are listed in this guide. To configure iDRAC, use the group and object IDs.

All string values are limited to displayable ASCII characters, except where otherwise noted.

NOTE: You can configure a setting that does not have a hash symbol (#) as the prefix in its output name. To modify a configurable object, use the `-o` option.

Topics:

- New features added

New features added

This section provides the list of new features added in the following releases:

- Firmware version 4.22.00.00 on page 57
- Firmware version 4.20.20.20 on page 57
- Firmware version 4.10.10.10 on page 57
- Firmware version 4.00.00.00 on page 58

Firmware version 4.22.00.00

Following features were added in this release:

- Added support for `iDRAC.Security.MinimumPasswordScore` attribute
- Added support for `iDRAC.Security.PasswordMinimumLength` attribute
- Added support for `iDRAC.Security.PasswordRequireNumbers` attribute
- Added support for `iDRAC.Security.PasswordRequireRegex` attribute
- Added support for `iDRAC.Security.PasswordRequireSymbols` attribute
- Added support for `iDRAC.Security.PasswordRequireUpperCase` attribute

Firmware version 4.20.20.20

Following features were added in this release:

- Added support for `iDRAC.SysInfo.POSTCode` attribute

Firmware version 4.10.10.10

Following features were added in this release:

- Added support for `iDRAC.PlatformCapability.LiveScanCapable` attribute
- Added support for `Infiniband` groups

Firmware version 4.00.00.00

Following features were added in this release:

- Added support for `LifecycleController.OSD` group
- Added support for `iDRAC.PCIeVDM` group
- Added support for `iDRAC.SCEP` group
- Added support for `iDRAC.SecureDefaultPassword` group
- Added support for `iDRAC.SerialCapture` group
- Added support for `iDRAC.SSHCrypto` group
- Added support for `iDRAC.Telemetry` groups
- Added support for `System.IdleServerDetection` group

2

BIOS Attributes

This section provides details about the BIOS attribute groups and objects.

Topics:

- BIOS.BiosBootSettings
- BIOS.BootSeqEnDis
- BIOS.DebugMenuSetting
- BIOS.EmbServerMgmt
- BIOS.HttpDev1Settings
- BIOS.HttpDev2Settings
- BIOS.HttpDev3Settings
- BIOS.HttpDev4Settings
- BIOS.HttpDev1TlsConfig
- BIOS.HttpDev2TlsConfig
- BIOS.HttpDev3TlsConfig
- BIOS.HttpDev4TlsConfig
- BIOS.IntegratedDevices
- BIOS.IscsiDev1Con1Settings
- BIOS.IscsiDev1Con2Settings
- BIOS.IscsiDevice1Settings
- BIOS.MemSettings
- BIOS.MiscSettings
- BIOS.NetworkSettings
- BIOS.NVMeSettings
- BIOS.OneTimeBoot
- BIOS.PowerMgmtSettings
- BIOS.ProcSettings
- BIOS.PxeDev1Settings
- BIOS.PxeDev2Settings
- BIOS.PxeDev3Settings
- BIOS.PxeDev4Settings
- BIOS.RedundantOsControl
- BIOS.SataSettings
- BIOS.SerialCommSettings
- BIOS.SlotBifurcation
- BIOS.SlotDisablement
- BIOS.SysInformation
- BIOS.SysProfileSettings
- BIOS.SysSecurity
- BIOS.TpmAdvancedSettings
- BIOS.UefiBootSeqEnDis
- BIOS.UefiBootSettings

BIOS.BiosBootSettings

You can manage the BIOS start settings using the objects in this group.

BIOS.BiosBootSettings.BiosBootSeq (Read or Write)

Description	This field tells the system where to find the operating system files needed for system startup. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BiosBootSettings (Read or Write)

Description	This field controls system boot settings when Boot Mode is set to 'BIOS'. This field has no effect when Boot Mode is set to 'UEFI'.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeq (Read or Write)

Description	This field tells the system where to find the operating system files needed for system startup. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	Not Applicable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NOTE: If BootMode is set to UEFI, legacy boot settings are not available in the system. Similarly, if BootMode is set to Legacy BIOS, UEFI settings are not available in the system.

BIOS.BiosBootSettings.BootSeqEnDis1 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis2 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis3 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis4 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis5 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis6 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis7 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis8 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis9 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.

Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis10 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis11 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis12 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis13 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis14 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis15 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis16 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis17 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis18 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis19 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDis20 (Read or Write)

Description	This field enables or disables this boot option in the Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.

Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqEnDisRef (Read or Write)

Description	
Legal Values	• BootSeqEnDis
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.HddSeq (Read or Write)

Description	This field specifies the order in which hard-disk drives will be configured in the system. The first hard drive in the system will be the bootable C: drive in DOS/DOS-like operating systems. This field applies only when Boot Mode is 'BIOS'; it has no effect when Boot Mode is 'UEFI'.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootMode (Read or Write)

Description	Determines whether the BIOS attempts to boot the OS via the method defined by the Unified Extensible Firmware Interface (UEFI) specification or via the legacy (BIOS) method. Selecting BIOS ensures compatibility with older operating systems that do not support the UEFI method. Many newer operating systems are UEFI-aware, and some of them may also support legacy boot methods.
Legal Values	• Bios • Uefi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.BootSeqRetry (Read or Write)

Description	This field enables or disables the Boot Sequence Retry feature or resets the system. If the last attempt to boot has failed, the system immediately performs a cold reset or retries to boot after a 30 second time-out period, depending on if this field is set to Reset or Enabled.
Legal Values	• Enabled • Disabled • Reset
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.GenericUsbBoot (Read or Write)

Description	When set to Enabled, a Generic USB Boot placeholder will be placed in the UEFI Boot Sequence, which will map to the first bootable USB device in the boot sequence. This allows the entry to remain present even if the USB device is not present. This is only available in UEFI Boot Mode.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.HddFailover (Read or Write)

Description	When Boot Mode is BIOS, this field specifies the devices in the Hard-Disk Drive Sequence menu the BIOS will attempt to boot. This field has no effect when Boot Mode is UEFI. When set to Disabled, the BIOS will only attempt to boot the first Hard-Disk device in the list. When set to Enabled, the BIOS will attempt to boot each Hard-Disk device in order until it is successful or the entire Hard-Disk Drive Sequence has been attempted.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.HddPlaceholder (Read or Write)

Description	When set to Enabled, a Generic RAID HDD placeholder will be placed into the UEFI Boot Sequence. The entry will remain present until an operating system or boot file is installed on the RAID disk. This setting is only available in UEFI Boot Mode.
Legal Values	• Enabled • Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderDis (Read or Write)

Description	"The SetBootOrderDis fields specify a list of Fqdds representing the boot Option Disabled to be applied on the next boot."
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderEn (Read or Write)

Description	"The SetBootOrderEnDis fields specify a list of Fqdds representing the boot " "Option Enable to be applied on the next boot."
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd1 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd2 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd3 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd4 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd5 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd6 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd7 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd8 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd9 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd10 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd11 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd12 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd13 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd14 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd15 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetBootOrderFqdd16 (Read or Write)

Description	The SetBootOrderFqdd fields specify a list of Fqdds representing the boot list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd1 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd2 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd3 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd4 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd5 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd6 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd7 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd8 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd9 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd10 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd11 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd12 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd13 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd14 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd15 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.SetLegacyHddOrderFqdd16 (Read or Write)

Description	The SetLegacyHddOrderFqdd fields specify a list of Fqdds representing the Legacy HDD list to be applied on the next boot.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BiosBootSettings.UefiBootSeq (Read or Write)

Description	UEFI boot sequence
Legal Values	• None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	This field has no effect when Boot Mode is set to 'BIOS'.

BIOS.BiosBootSettings.UefiBootSettingsRef (Read or Write)

Description	This field controls system boot settings when Boot Mode is set to 'UEFI'. This field has no effect when Boot Mode is set to 'BIOS'.
Legal Values	• UefiBootSettings
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.BootSeqEnDis

This group contains the attributes that provides details about `BIOS.BootSeqEnDis`.

BIOS.BootSeqEnDis.BootSeqEnDis (Read or Write)

Description	This field allows a boot option to be enabled or disabled. When disabled, the device will be skipped in the boot sequence when booting to the OS.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting

This group contains the attributes that provides details about `BIOS.DebugMenuSetting`.

BIOS.DebugMenuSetting.BiosCpuKnobTuning (Read or Write)

Description	BIOS CPU Knob Tuning
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.BiosCpuKnobTuningRef (Read or Write)

Description	BIOS CPU Knob Tuning
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.BrowserOptionsRef (Read or Write)

Description	HII forms browser options
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.DeadLineLlcAlloc (Read or Write)

Description	"Enabled - opportunistically fill dead lines in LLC. " "Disabled - never fill dead lines in LLC."
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.DirectoryAtoS (Read or Write)

Description	"AtoS optimization reduces remote read latencies for repeat read accesses without intervening writes."
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.LlcPrefetch (Read or Write)

Description	"Enable/Disable LLC Prefetch on all threads."
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.PSPConsoleOut (Read or Write)

Description	This field enables/disables PSP Console Output (serial debug).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.DebugMenuSetting.XptPrefetch (Read or Write)

Description	"XPT Prefetch is a mechanism that enables a read request that is being sent to the LLC to speculatively issue a copy of that read to the memory controller."
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.EmbServerMgmt

This group contains the attributes that provides details about `BIOS.EmbServerMgmt`.

BIOS.EmbServerMgmt.EmbServerMgmt (Read or Write)

Description	
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.EmbServerMgmt.FrontLcd (Read or Write)

Description	This field allows you to select whether to display the Default (Model name and number) or a user-defined string in the front-panel LCD display. To modify the advanced features of the front-panel LCD, press F2 during boot to enter System Setup and then select iDRAC Settings.
Legal Values	• None • UserDefined • ModelNum • Advanced
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.EmbServerMgmt.UserLcdStr (Read or Write)

Description	This field allows you to view/enter the User-Defined String to be displayed on the LCD. The string can be 62 characters long.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings

This group contains the attributes that provides details about `BIOS.HttpDev1Settings`.

BIOS.HttpDev1Settings.HttpDev1DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Dns1 (Read or Write)

Description	Primary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Dns2 (Read or Write)

Description	Secondary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1DnsDhcpEnDis (Read or Write)

Description	DNS information from DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Gateway (Read or Write)

Description	Gateway for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Interface (Read or Write)

Description	NIC interface used for this HTTP device
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Ip (Read or Write)

Description	IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Mask (Read or Write)

Description	Subnet mask for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Protocol (Read or Write)

Description	Determines whether Internet Protocol version 4 (the most common, older version) or Internet Protocol version 6 (the newest version) is used for this device.

Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Settings (Read or Write)

Description	This field controls the configuration for this HTTP device
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1TlsConfigRef (Read or Write)

Description	View and/or modify this device's authetication configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1Uri (Read or Write)

Description	Contains the Uniform Resource Identifier (URI) that the BIOS should boot. If this field is blank, the BIOS will attempt to contact the network's DHCP server and ask it for the boot file name.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1VlanEnDis (Read or Write)

Description	Set this field to Enabled if your DNS or HTTP servers reside on a Virtual LAN (VLAN).
Legal Values	• Enabled

- Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1VlanId (Read or Write)

Description	When VLAN is enabled, identifies which of the 4094 possible VLANs contains the desired DNS or HTTP servers. This value can be from 1 to 4094 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1Settings.HttpDev1VlanPriority (Read or Write)

Description	When VLAN is enabled, identifies which of 8 possible priorities are assigned to the VLAN having the given ID. This value can be from 0 to 7 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings

This group contains the attributes that provides details about `BIOS.HttpDev2Settings`.

BIOS.HttpDev2Settings.HttpDev2DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Dns1 (Read or Write)

Description	Primary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Dns2 (Read or Write)

Description	Secondary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2DnsDhcpEnDis (Read or Write)

Description	DNS information from DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Gateway (Read or Write)

Description	Gateway for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Interface (Read or Write)

Description	NIC interface for this HTTP device
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Ip (Read or Write)

Description	IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Mask (Read or Write)

Description	Subnet mask for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Protocol (Read or Write)

Description	Determines whether Internet Protocol version 4 (the most common, older version) or Internet Protocol version 6 (the newest version) is used for this device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Settings (Read or Write)

Description	This field controls the configuration for this HTTP device
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2TlsConfigRef (Read or Write)

Description	View and/or modify this device's authetication configuration. â€‹
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2Uri (Read or Write)

Description	Contains the Uniform Resource Identifier (URI) that the BIOS should boot. If this field is blank, the BIOS will attempt to contact the network's DHCP server and ask it for the boot file name.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2VlanEnDis (Read or Write)

Description	Set this field to Enabled if your DNS or HTTP servers reside on a Virtual LAN (VLAN).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2VlanId (Read or Write)

Description	When VLAN is enabled, identifies which of the 4094 possible VLANs contains the desired DNS or HTTP servers. This value can be from 1 to 4094 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2Settings.HttpDev2VlanPriority (Read or Write)

Description	When VLAN is enabled, identifies which of 8 possible priorities are assigned to the VLAN having the given ID. This value can be from 0 to 7 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings

This group contains the attributes that provides details about `BIOS.HttpDev3Settings`.

BIOS.HttpDev3Settings.HttpDev3DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Dns1 (Read or Write)

Description	Primary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Dns2 (Read or Write)

Description	Secondary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3DnsDhcpEnDis (Read or Write)

Description	DNS information from DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Gateway (Read or Write)

Description	Gateway for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Interface (Read or Write)

Description	NIC interface for this HTTP device
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Ip (Read or Write)

Description	IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Mask (Read or Write)

Description	Subnet mask for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Protocol (Read or Write)

Description	Determines whether Internet Protocol version 4 (the most common, older version) or Internet Protocol version 6 (the newest version) is used for this device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Settings (Read or Write)

Description	This field controls the configuration for this HTTP device
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3TlsConfigRef (Read or Write)

Description	View and/or modify this device's authetication configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3Uri (Read or Write)

Description	Contains the Uniform Resource Identifier (URI) that the BIOS should boot. If this field is blank, the BIOS will attempt to contact the network's DHCP server and ask it for the boot file name.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3VlanEnDis (Read or Write)

Description	Set this field to Enabled if your DNS or HTTP servers reside on a Virtual LAN (VLAN).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3VlanId (Read or Write)

Description	When VLAN is enabled, identifies which of the 4094 possible VLANs contains the desired DNS or HTTP servers. This value can be from 1 to 4094 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3Settings.HttpDev3VlanPriority (Read or Write)

Description	When VLAN is enabled, identifies which of 8 possible priorities are assigned to the VLAN having the given ID. This value can be from 0 to 7 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings

This group contains the attributes that provides details about `BIOS.HttpDev4Settings`.

BIOS.HttpDev4Settings.HttpDev4DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Dns1 (Read or Write)

Description	Primary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Dns2 (Read or Write)

Description	Secondary DNS server IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4DnsDhcpEnDis (Read or Write)

Description	DNS information from DHCP Enable/Disable for this HTTP Device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Gateway (Read or Write)

Description	Gateway for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Interface (Read or Write)

Description	NIC interface for this HTTP device
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Ip (Read or Write)

Description	IP address for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Mask (Read or Write)

Description	Subnet mask for this HTTP Device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Protocol (Read or Write)

Description	Determines whether Internet Protocol version 4 (the most common, older version) or Internet Protocol version 6 (the newest version) is used for this device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Settings (Read or Write)

Description	This field controls the configuration for this HTTP device
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4TlsConfigRef (Read or Write)

Description	View and/or modify this device's authetication configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4Uri (Read or Write)

Description	Contains the Uniform Resource Identifier (URI) that the BIOS should boot. If this field is blank, the BIOS will attempt to contact the network's DHCP server and ask it for the boot file name.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4VlanEnDis (Read or Write)

Description	Set this field to Enabled if your DNS or HTTP servers reside on a Virtual LAN (VLAN).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4VlanId (Read or Write)

Description	When VLAN is enabled, identifies which of the 4094 possible VLANs contains the desired DNS or HTTP servers. This value can be from 1 to 4094 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4Settings.HttpDev4VlanPriority (Read or Write)

Description	When VLAN is enabled, identifies which of 8 possible priorities are assigned to the VLAN having the given ID. This value can be from 0 to 7 inclusive.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.HttpDev1TlsConfig

This group contains the attributes that provides details about `BIOS.HttpDev1TlsConfig`.

BIOS.HttpDev1TlsConfig.HttpDev1TlsConfig (Read or Write)

Description	This field controls the authentication configuration for this HTTP device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev1TlsConfig.HttpDev1TlsMode (Read or Write)

Description	This field is to set the authetication mode for this HTTP device.
Legal Values	• "None", "OneWay"
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2TlsConfig

This group contains the attributes that provides details about `BIOS.HttpDev2TlsConfig`.

BIOS.HttpDev2TlsConfig.HttpDev2TlsConfig (Read or Write)

Description	This field controls the authentication configuration for this HTTP device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev2TlsConfig.HttpDev2TlsMode (Read or Write)

Description	This field is to set the authetication mode for this HTTP device.
Legal Values	• "None", "OneWay"
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3TlsConfig

This group contains the attributes that provides details about `BIOS.HttpDev3TlsConfig`.

BIOS.HttpDev3TlsConfig.HttpDev3TlsConfig (Read or Write)

Description	This field controls the authentication configuration for this HTTP device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev3TlsConfig.HttpDev3TlsMode (Read or Write)

Description	This field is to set the authetication mode for this HTTP device.
Legal Values	• "None", "OneWay"
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4TlsConfig

This group contains the attributes that provides details about `BIOS.HttpDev4TlsConfig`.

BIOS.HttpDev4TlsConfig.HttpDev4TlsConfig (Read or Write)

Description	This field controls the authentication configuration for this HTTP device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.HttpDev4TlsConfig.HttpDev4TlsMode (Read or Write)

Description	This field is to set the authetication mode for this HTTP device.
Legal Values	• "None", "OneWay"
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices

This group contains the attributes that provides details about `BIOS.IntegratedDevices`.

BIOS.IntegratedDevices.CurrentEmbVideoState (Read or Write)

Description	Read-only. Indicates the current state of the Embedded Video Controller. If the Embedded Video Controller is the only display capability in the system (that is, no add-in graphics card is installed), then the Embedded Video Controller is automatically used as the primary display even if the Embedded Video Controller setting is Disabled.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNic1 (Read or Write)

Description	Enables or disables the embedded NIC. NOTE: If set to Disabled (OS), the embedded NIC may still be available for shared network access by the embedded management controller. This function must be configured via the NIC management utilities provided with your system. There is only one onboard RJ45 port shared between BIOS and

iDRAC. So it can only be enabled when iDRAC NIC selection is set to Shared. If the iDRAC setting is Dedicated, it will be grayed out and forced to Disabled.

Legal Values	• Enabled • DisabledOs
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNic1Nic2 (Read or Write)

Description	Enables or disables the OS interface of the embedded NIC1 and NIC2 controller. NOTE: If set to Disabled (OS), the embedded NICs may still be available for shared network access by the embedded management controller. This function must be configured via the NIC management utilities provided with your system.
Legal Values	• Enabled • DisabledOs • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNic3Nic4 (Read or Write)

Description	Enables or disables the OS interface of the embedded NIC3 and NIC4 controller. NOTE: If set to Disabled (OS), the embedded NICs may still be available for shared network access by the embedded management controller. This function must be configured via the NIC management utilities provided with your system.
Legal Values	• Enabled • DisabledOs • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNicPort1BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Embedded NIC port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown

- None
- Pxe
- Iscsi

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNicPort2BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Embedded NIC port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNicPort3BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Embedded NIC port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbNicPort4BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Embedded NIC port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.EmbVideo (Read or Write)

Description	Enables or disables the use of the Embedded Video Controller as the primary display. When set to Enabled, the Embedded Video Controller will be the primary display even if add-in graphics cards are installed. When set to Disabled, an add-in graphics card will be used as the primary display. BIOS will output displays to both the primary add-in video and the embedded video during POST and pre-boot environment. The embedded video will then be disabled right before the operating system boots. Note: When there are multiple add-in graphics cards installed in the system, the first card discovered during PCI enumeration is selected as the primary video. You may have to re-arrange the cards in the slots in order to control which card is the primary video controller.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.GlobalSlotDriverDisable (Read or Write)

Description	If you set this field to Enabled, the BIOS will not load any legacy option ROMs (when Boot Mode is BIOS) or UEFI drivers (when Boot Mode is UEFI) for any cards in the system slots. If the boot support for some card is provided by the option ROM, then the system will not be able to boot from the card, nor will its pre-boot services be available. However, the card will be available for operating system use. If you do not want this behavior or you would like to limit which slots have this behavior, set this field to Disabled. Use the Slot Disablement setting to limit the slots having this behavior. This option does not apply to any slot containing a Dell RAID card.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.IntegratedDevices.IntegratedDevices (Read or Write)

Description	Configuration menu for devices integrated on the system board.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntegratedNetwork1 (Read or Write)

Description	Enables or disables the integrated network card (NDC). When set to Disabled, the NDC is not available to the operating system (OS). NOTE: If set to Disabled (OS), the Integrated NICs may still be available for shared network access by iDRAC.
Legal Values	• DisabledOs • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntegratedNetwork2 (Read or Write)

Description	Enables or disables the second integrated network card (NDC). When set to Disabled, the NDC is not available to the operating system (OS). NOTE: If set to Disabled (OS), the Integrated NICs may still be available for shared network access by iDRAC.
Legal Values	• Enabled • DisabledOs
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntegratedRaid (Read or Write)

Description	Enables or disables the integrated RAID controller. When set to Disabled, the device is not visible to the operating system (OS).

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntegratedSas (Read or Write)

Description	Enables or disables the integrated SAS controller. When set to Disabled, the device is not visisble to the operating system (OS).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalSdCard (Read or Write)

Description	Enables or disables the internal SD Card port.
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalSdCardPresence (Read or Write)

Description	Indicate the presence state of the Internal Dual SD module (IDSDM).
Legal Values	• None • SdCard1Only • SdCard2Only • Both
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalSdCardPrimaryCard (Read or Write)

Description	When Redundancy is set to Disabled, either one of the SD card can be selected to present itself as mass storage device by setting it to be primary card. By default primary SD card is selected to be SD Card 1. If SD Card 1 is not present, then controller will select SD Card 2 to be primary SD card.
Legal Values	• SdCard1 • SdCard2
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalSdCardRedundancy (Read or Write)

Description	Configures the redundancy mode of the Internal Dual SD module (IDSDM). When set to Mirror Mode, data is written to both SD cards. After failure of either card and replacement of the failed card, the data of the active card is copied to the offline card during the system boot. When Redundancy is set to disabled, only the primary SD Card is visible to the OS.
Legal Values	• Mirror • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalUsb (Read or Write)

Description	Enables or disables the internal USB port.
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalUsb1 (Read or Write)

Description	Enables or disables the internal USB port 1.
Legal Values	• On • Off
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.InternalUsb2 (Read or Write)

Description	Enables or disables the internal USB port 2.
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic1Port1BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic1Port2BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic1Port3BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic1Port4BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic2Port1BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.

Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic2Port2BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic2Port3BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IntNic2Port4BootProto (Read or Write)

Description	This is a Write-Only attribute to control the Legacy Boot Protocol of the LOM Port specified by the Integrated Network Card number and port number. This attribute is for system management software use, and does not appear in System BIOS Setup. This attribute always returns Unknown when read. There is no change to the LOM Port Legacy Boot Protocol setting when Unknown is written. An error is returned if written with a setting (None, PXE, or iSCSI) that is not supported by the LOM Port.
Legal Values	• Unknown • None • Pxe • Iscsi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.IoatEngine (Read or Write)

Description	Enables or disables the I/O Acceleration Technology (I/OAT). I/OAT is a set of DMA features designed to accelerate network traffic and lower CPU utilization. This feature should be enabled only if the hardware and software support I/OAT.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.MemoryMappedIOH (Read or Write)

Description	MMIO base default is 56TB. User should not change the default value unless addressing a known issue. When set to 12TB, the system will map MMIO base to 12TB. Enable this feature for an OS that requires 44bit PCIe addressing. When set to 512GB, the system will map MMIO base to 512GB, and reduce the maximum support for memory to less than 512GB. Enable this option only for the 4 GPU DGMA issue.
Legal Values	• 512GB • 12TB • 56TB
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.MmioAbove4Gb (Read or Write)

Description	Enables support for PCIe devices that require large amount of MMIO resources. Enable this option only for 64-bit operating systems.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.MmioLimit (Read or Write)

Description	When set to 1TB, the system will restrict maximum MMIO space to 1TB. Enable this feature for devices not support above 1TB addressing.
Legal Values	• 8TB • 1TB
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.Ndc1PcieLink1 (Read or Write)

Description	Enables or disables the integrated network card (NDC) PCIe link. When set to Disabled, the NDC link is not available to the operating system (OS). NOTE: If set to Disabled (OS), the Integrated NIC may still be available for shared network access by iDRAC. This Attribute allows more granularity in controlling (Enabling/Disabling) NDC1 if present. This attribute is only displayed and used when NdcPcieLinkControl internal attribute default value is set to "Individual".This is most likey done in a PM (OEM ID).
Legal Values	• Enabled • DisabledOs
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.Ndc1PcieLink2 (Read or Write)

Description	Enables or disables the integrated network card (NDC) PCIe link. When set to Disabled, the NDC link is not available to the operating system (OS). NOTE: If set to Disabled (OS), the Integrated NIC may still be available for shared network access by iDRAC. This Attribute allows more granularity in controlling (Enabling/Disabling) NDC. This attribute is only displayed and used when NdcPcieLinkControl internal attribute default value is set to "Individual".This is most likey done in a PM (OEM ID).

Legal Values	• Enabled • DisabledOs
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.Ndc1PcieLink3 (Read or Write)

Description	Enables or disables the integrated network card (NDC) PCIe link. When set to Disabled, the NDC link is not available to the operating system (OS). NOTE: If set to Disabled (OS), the Integrated NIC may still be available for shared network access by iDRAC. This Attribute allows more granularity in controlling (Enabling/Disabling) NDC. This attribute is only displayed and used when NdcPcieLinkControl internal attribute default value is set to "Individual".This is most likey done in a PM (OEM ID).
Legal Values	• Enabled • DisabledOs
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.OsWatchdogTimer (Read or Write)

Description	If the system stops responding, this watchdog timer helps in the recovery of your operating system (OS). When set to Enabled, the OS is allowed to initialize the timer. When it is set to Disabled, the timer will have no effect on the system.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PcieBusCustomization (Read or Write)

Description	"Provide options for customizing the allocation of PCIe bus ranges to " "PCIe slots. This can be useful when connecting complex device sets " "to a slot.n" "n" "PCIe Bus System Allocation uses the normal rules of the system to " "allocate bus ranges.n" "n" "PCIe Bus Custom Allocation Option 1 increases the bus ranges allocated " "to the wider slots.n" "n" "PCIe Bus Custom Allocation Option 2 increases the bus range allocated " "to one of the wide slots more than with option 1.n" "n" "PCIe Bus Custom Allocation Option 3 allocates the largest bus range " "practical to one of the wide slots.n" "n" "Note that use of this option may cause insufficient resources to be " "available for remaining slots and prevent the system from functioning.n" "n"

Only available on R7920. Controlled by DPI feature: FeatureSupport.PcieBusCustomizable

Legal Values	• PcieBusUniform • PcieBusCustomOpt1 • PcieBusCustomOpt2 • PcieBusCustomOpt3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PciePreferredIoDevice (Read or Write)

Description	In certain platform configurations it is possible to improve the performance of an endpoint by enabling Pcie Preferred IO Device. To select a particular addin device, references the PCI bus/device/function address(in decimal) of the add-in card when requesting Preferred I/O for the device
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PciePreferredIoDeviceBus (Read or Write)

Description	This field sets the PCI bus address that preferred IO device resides. Bus address ranges from [0x0:0xFF].
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PciePreferredIoDeviceDev (Read or Write)

Description	This field sets the PCI device address that preferred IO device resides. Device address ranges from [0x0:0x1F].
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PciePreferredIoDeviceFun (Read or Write)

Description	This field sets the PCI function address that preferred IO device resides. Function address ranges from [0x0:0x7].
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.PCIRootDeviceUnhide (Read or Write)

Description	If set to Enabled, root ports of all the empty slots will be accessible to the BIOS and OS.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.RipsPresence (Read or Write)

Description	Indicate the presence state of the RIPS (Redundant Internal Persistent Storage).
Legal Values	• RipsPresenceYes • RipsPresenceNo
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.SlotDisablementRef (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Only slots that are present on the system will be available for control.
Legal Values	• SlotDisablement
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.SnoopHldOff (Read or Write)

Description	Selects the number of cycles PCI I/O can withhold snoop requests, from the CPU, to allow time to complete its own write to LLC. This setting can help improve performance on workloads where throughput and latency are critical.
Legal Values	• Roll256Cycles • Roll512Cycles • Roll1KCycles • Roll2KCycles
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.SriovGlobalEnable (Read or Write)

Description	Enables or disables the BIOS configuration of Single Root I/O Virtualization (SR-IOV) devices. Enable this feature if booting to a virtualization operating system that recognize SR-IOV devices.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.Usb3Setting (Read or Write)

Description	Controls USB 3.0 support. When set to Disabled, BIOS disables USB 3.0 mode for all the USB3.0 ports. The USB devices operate at USB2.0 mode. When set to Enabled, BIOS operates all USB3.0 ports at USB2.0 mode during POST, and switches them to USB3.0 mode right after the operating system (OS) boots. You must select this option only if the operating system (such as. Windows Server 2012) has a native USB 3.0 driver. Otherwise none of the USB devices will work after boot. The Auto option is available only on workstation servers. If this option is selected, the BIOS leaves all USB 3.0 ports at USB 2.0 mode, and a special OS switching driver is required to set the USB3.0 port to USB3.0 mode. Microsoft Windows 7 has switching driver capability.
Legal Values	• Auto • Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.UsbEnableFrontPortsOnly (Read or Write)

Description	This field enables/disables the front USB ports during the OS runtime when User Accessible USB Ports is set as All Ports Off (Dynamic).
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.UsbManagedPort (Read or Write)

Description	The iDRAC Direct USB port is managed by iDRAC exclusively with no host visibility. When set to OFF, iDRAC would not detect any USB devices installed in this managed port.
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IntegratedDevices.UsbPorts (Read or Write)

Description	Configure the User Accessible USB Ports. Selecting Only Back Ports On disables the front USB ports; selecting All Ports Off disables all front and back USB ports. The USB keyboard and mouse will still function in certain USB ports during the boot process, depending on the selection. After the boot process is complete, the USB ports will be enabled or disabled as per the setting. Note: Selecting Only Back Ports On and All Ports Off will disable the USB management port and restrict access to the iDRAC USB management port features. Blades do not support setting the Attribute UsbPorts to the value OnlyBackPortsOn.
Legal Values	• AllOn • OnlyBackPortsOn • AllOff • AllOffDynamic
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings

This group contains the attributes that provides details about `BIOS.IscsiDev1Con1Settings`.

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Auth (Read or Write)

Description	Authentication type for this iSCSI connection.
Legal Values	• None • Chap
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1ChapName (Read or Write)

Description	CHAP name for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1ChapSecret (Read or Write)

Description	CHAP secret for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1ChapType (Read or Write)

Description	CHAP type for this iSCSI connection.
Legal Values	• OneWay • Mutual
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Gateway (Read or Write)

Description	Initiator Gateway for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Interface (Read or Write)

Description	NIC interface used for this iSCSI connection
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Ip (Read or Write)

Description	Initiator IP Address for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Isld (Read or Write)

Description	ISID for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Lun (Read or Write)

Description	Target LUN for this iSCSI connection. The value format is a string containing a hexadecimal-encoded representation of the 64-bit SCSI Logical Unit Number in the format described in the T10 SCSI Architecture Model specification. This format consists of four 2-byte fields separated by dashes. In most cases, the human-oriented logical unit number will be in the high-order two bytes and the low-order six bytes will be zero. Examples are: 4752-3A4F-6b7e-2F99, 6734-9-156f-127, 4186-9 or 0.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Mask (Read or Write)

Description	Initiator Subnet Mask for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Port (Read or Write)

Description	Target Port for this iSCSI connection. The standard port number for iSCSI connections is 3260.
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Protocol (Read or Write)

Description	This field controls the Internet Protocol used for this iSCSI connection.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Retry (Read or Write)

Description	Retry Count for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1RevChapName (Read or Write)

Description	Reverse CHAP name for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1RevChapSecret (Read or Write)

Description	Reverse CHAP secret for this iSCSI connection.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Settings (Read or Write)

Description	Provides the title of iSCSI Device 1 Connection 2 Settings page
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1TargetIp (Read or Write)

Description	Target IP Address for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1TargetName (Read or Write)

Description	Target name for this iSCSI connection in IQN format.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1TgtDhcpEnDis (Read or Write)

Description	Target DHCP Enable/Disable for this iSCSI connection.

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1Timeout (Read or Write)

Description	Timeout for this iSCSI connection in milliseconds.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1VlanId (Read or Write)

Description	VLAN ID for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con1Settings.IscsiDev1Con1VlanPriority (Read or Write)

Description	VLAN priority for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings

This group contains the attributes that provides details about `BIOS.IscsiDev1Con2Settings`.

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Auth (Read or Write)

Description	Authentication type for this iSCSI connection.
Legal Values	• None • Chap
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2ChapName (Read or Write)

Description	CHAP name for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2ChapSecret (Read or Write)

Description	CHAP secret for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2ChapType (Read or Write)

Description	CHAP type for this iSCSI connection.
Legal Values	• OneWay • Mutual
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2DhcpEnDis (Read or Write)

Description	DHCP Enable/Disable for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Gateway (Read or Write)

Description	Initiator Gateway for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Interface (Read or Write)

Description	NIC interface used for this iSCSI connection

Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Ip (Read or Write)

Description	Initiator IP Address for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Isid (Read or Write)

Description	ISID for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Lun (Read or Write)

Description	Target Lun for this iSCSI connection.The value format is a string containing a hexadecimal-encoded representation of the 64-bit SCSI Logical Unit Number in the format described in the T10 SCSI Architecture Model specification. This format consists of four 2-byte fields separated by dashes. In most cases, the human-oriented logical unit number will be in the high-order two bytes and the low-order six bytes will be zero. Examples are: 4752-3A4F-6b7e-2F99, 6734-9-156f-127, 4186-9 or 0.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Mask (Read or Write)

Description	Initiator Subnet Mask for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Port (Read or Write)

Description	Target Port for this iSCSI connection. The standard port number for iSCSI connections is 3260.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Protocol (Read or Write)

Description	This field controls the Internet Protocol used for this iSCSI connection.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Retry (Read or Write)

Description	Retry Count for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2RevChapName (Read or Write)

Description	Reverse CHAP name for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2RevChapSecret (Read or Write)

Description	Reverse CHAP secret for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Settings (Read or Write)

Description	Provides the title of iSCSI Device 1 Connection 2 Settings page
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2TargetIp (Read or Write)

Description	Target IP Address for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2TargetName (Read or Write)

Description	Target name for this iSCSI connection in IQN format.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2TgtDhcpEnDis (Read or Write)

Description	Target DHCP Enable/Disable for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2Timeout (Read or Write)

Description	Timeout for this iSCSI connection in milliseconds.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2VlanId (Read or Write)

Description	VLAN ID for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDev1Con2Settings.IscsiDev1Con2VlanPriority (Read or Write)

Description	VLAN priority for this iSCSI connection.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings

This group contains the attributes that provides details about `BIOS.IscsiDevice1Settings`.

BIOS.IscsiDevice1Settings.IscsiDev1Con1EnDis (Read or Write)

Description	This field controls the configuration for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings.IscsiDev1Con1SettingsRef (Read or Write)

Description	Links to iSCSI Device 1 Connection 1 settings

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings.IscsiDev1Con2EnDis (Read or Write)

Description	This field controls the configuration for this iSCSI connection.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings.IscsiDev1Con2SettingsRef (Read or Write)

Description	Links to iSCSI Device 1 Connection 2 settings
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings.IscsiDev1ConOrder (Read or Write)

Description	This field controls the order for which the iSCSI connections will be attempted.
Legal Values	• Con1Con2 • Con2Con1
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.IscsiDevice1Settings.IscsiDev1Settings (Read or Write)

Description	Provides the title of iSCSI Device 1 Settings page
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings

To manage memory-related configuration settings, use the objects in this group.

BIOS.MemSettings.AdddcSetting (Read or Write)

Description	"When Adaptive Double DRAM Device Correction (ADDDC) is enabled, failing DRAM's are dynamically mapped out. When set to enabled, it can have some impact to system performance under certain workloads. This feature is applicable for x4 DIMMs only. Has a dependency that only x4 DIMM's be present or item is grayed out.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AddrBasMir (Read or Write)

Description	If the system is configured for Dell Fault Resilient Mode (FRM), controls the amount of memory for FRM per processor. The FRM memory is located on a single memory riser per processor. Only half of the FRM memory will be visible to the OS. Has a dependency where DIMM population within the system needs to support Mirror mode. Only System R6xx and up support this feature.
Legal Values	• AllMem • 64GB • HalfMem
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AppDirectCapacity (Read or Write)

Description	Total NVDIMM size configured as AppDirect mode in the system.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AppDirectNamespaceCount0 (Read or Write)

Description	App Direct namespace count
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AppDirectNamespaceCount1 (Read or Write)

Description	App Direct namespace count
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AppDirectNamespaceCount2 (Read or Write)

Description	App Direct namespace count
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.AppDirectNamespaceCount3 (Read or Write)

Description	App Direct namespace count
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.BatteryStatus (Read or Write)

Description	Displays the status of the battery
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity00 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity01 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity02 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity03 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity04 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity05 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity06 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity07 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity08 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity09 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity10 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity11 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity12 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity13 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity14 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity15 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity16 (Read or Write)

Description	The size of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity17 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity18 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity19 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity20 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity21 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity22 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Capacity23 (Read or Write)

Description	The size of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.CECriticalSEL (Read or Write)

Description	Enables or disables logging of correctable memory threshold error.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Basic
Dependency	Not applicable

BIOS.MemSettings.ClusterOnDie (Read or Write)

Description	Enables or disables the Cluster on Die feature.
Legal Values	• Enabled • Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.CorrEccSmi (Read or Write)

Description	Allows the system to log ECC corrected DRAM errors into the SEL log. Logging these rare errors can help identify marginal components; however the system will pause for a few milliseconds after an error while the log entry is created. Latency conscious customers may wish to disable the feature. Spare Mode, and Mirror mode require this feature to be enabled.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.CreateGoalConfig (Read or Write)

Description	Create goal configuration of Intel Persistent Memory pools.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.CurrentMemOpModeState (Read or Write)

Description	Read-only. Indicates the current state of the memory operating mode.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator00 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator01 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator02 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator03 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator04 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator05 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator06 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator07 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator08 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator09 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator10 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator11 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator12 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator13 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator14 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator15 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator16 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator17 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator18 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator19 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator20 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator21 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator22 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DeviceLocator23 (Read or Write)

Description	The DIMM slot that this NVDIMM is being populated.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo00 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo01 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo02 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo03 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo04 (Read or Write)

Description	Description of this DIMM

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo05 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo06 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo07 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo08 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo09 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo10 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo11 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo12 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo13 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo14 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo15 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo16 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo17 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo18 (Read or Write)

Description	Description of this DIMM

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo19 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo20 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo21 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo22 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.DimmInfo23 (Read or Write)

Description	Description of this DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion00 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion01 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion02 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion03 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion04 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion05 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion06 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion07 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion08 (Read or Write)

Description	The firmware revision of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion09 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion10 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion11 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion12 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion13 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion14 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion15 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion16 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion17 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion18 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion19 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion20 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion21 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion22 (Read or Write)

Description	The firmware revision of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FirmwareVersion23 (Read or Write)

Description	The firmware revision of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.FRMPercent (Read or Write)

Description	Select to define the percent of total memory size that must be used by the fault resilient mode, when selected in the Memory Operating mode. When Fault Resilient Mode is not selected, this option is grayed out and not used by Fault Resilient Mode. This option is grayed out(read only) when "Fault Resilient Mode" is not selected in "Memory Operating Mode". This option is only available on Intel platforms.
Legal Values	• 25 • 12.5
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.IntelPersistentMemories (Read or Write)

Description	View and configure installed Intel Persistent Memories.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.IntelPersistMemOperationTarget (Read or Write)

Description	NVDIMM region creation target in per Platform or per Socket.
Legal Values	• PmPlatform • PmSocket
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState00 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState01 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState02 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState03 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState04 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState05 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState06 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState07 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState08 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState09 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState10 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState11 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState12 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState13 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState14 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState15 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState16 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState17 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState18 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState19 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState20 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState21 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState22 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.LockState23 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.

Legal Values	• Unknown • Disabled • Unlocked • Locked • Frozen • NotSupported
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemLowPower (Read or Write)

Description	Enables or disables the low-power mode of memory. When set to Disabled, the memory will run at full speed. When set to Enabled, the memory will run at a reduced speed to conserve power. Default: Disabled Not used on 13G+.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemOpMode (Read or Write)

Description	Allows the selection of the memory operating mode. Certain options are active only if a valid memory configuration is detected. When the Optimizer Mode is enabled, the DRAM controllers operate independently in 64-bit mode and provide optimized memory performance. When Advanced ECC Mode is enabled, the two DRAM controllers are combined in 128-bit mode and provide optimized reliability. Memory that cannot be teamed by the controllers is not reported to the Operating System. When Mirror Mode is enabled, the system maintains two identical copies of data in the memory. This feature provides maximum reliability and enables the system to continue running even during a high severity memory failure. NOTE: In Mirror Mode, only half of the installed system memory is reported to the operating system. When Spare Mode is enabled, the BIOS reserves a rank of memory as a spare. At runtime, the memory controller can move a rank that exhibits a large number of correctable errors to the spare rank. NOTE: In Spare Mode, the system memory size reported to the Operating System does not include the spare portion. Spare with Advanced ECC Mode operates similarly to the Spare Mode. When this mode is enabled, the system runs under Advanced ECC mode with a spare rank reserved in each channel. NOTE: In Spare with Advanced ECC Mode, the system memory size reported to the Operating System does not include the spare portion. When Dell Fault Resilient Mode is enabled, the BIOS establishes an area of memory that is fault resilient. This mode can be used by an Operating System that supports the feature to load critical applications or enables the Operating System kernel to maximize system availability. Default: Optimizer Mode For FRM, need platform to support Mirror mode. For NUMA FRM, need to have 2 CPU installed + platform support Mirror mode. [MirrorMode, Lockstep] Needs identical memory configurations in channles behind each memory controller.
Legal Values	• OptimizerMode • SingleRankSpareMode • MultiRankSpareMode • SpareMode • MirrorMode • AdvEccMode

- SpareWithAdvEccMode
- FaultResilientMode
- NUMAFaultResilientMode

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemOptimizer (Read or Write)

Description	When set to Disabled, the two DRAM controllers are combined in 128-bit mode and provide optimized reliability with Advanced ECC Mode. When set to Enabled, the two DRAM controllers operate independently in 64-bit mode and provide optimized performance without Advanced ECC Mode.Â Default: Disabled Has a dependency on DIMM population where corresponding channnels for each socket (Channel0 and Channel2, Channel1 and Channel 3) needs to be populated and populated idenditally. Not used on 13G+.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemOpVoltage (Read or Write)

Description	Indicates the memory operating voltage.
Legal Values	• AutoVolt • Volt15V
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemoryCapacity (Read or Write)

Description	Total NVDIMM size configured as memory mode in the system.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemoryInterleaving (Read or Write)

Description	When set to Enabled, memory interleaving is supported if a symmetric memory configuration is installed. When set to Disabled, the system " supports Non-Uniform Memory Access (NUMA) (asymmetric) memory configurations. Operating Systems that are NUMA-aware understand the distribution of memory in a particular system and can intelligently allocate memory in an optimal manner. Operating Systems that are not NUMA aware could allocate memory to a processor that is not local resulting in a loss of performance. Die and Socket Interleaving should only be enabled for Operating Systems that are not NUMA aware.
Legal Values	• Disabled • ChannelInterleaving • DieInterleaving • SocketInterleaving • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemSettings (Read or Write)

Description	This page controls the system memory settings. Not used on 13G+.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemTest (Read or Write)

Description	Indicates whether or not the BIOS system memory tests are conducted during POST. When set to Enabled, memory tests are performed. NOTE: Enabling this feature will result in longer boot time. The extent of increased time depends on the size of the system memory.
Legal Values	• Enabled • Disabled • HardwareBasedTest
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.MemTestType (Read or Write)

Description	Indicates type of BIOS-based system memory test to perform during POST. When set to Hardware, the memory tests are performed via hardware. When set to Software, the memory tests are performed via software . Note: POST time will increase when memory test are enabled, with Software test taking longer than Hardware test.

Never released?

Legal Values
- Hardware
- Software

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.MemSettings.MemThrottlingMode (Read or Write)

Description Displays MCDRAM thermal management/throttling modes of processor(s).

Legal Values
- Cltt
- Oltt

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.MemSettings.MltRnkSpr (Read or Write)

Description If the system is configured for Spare Mode or Spare With Advanced ECC Mode, this field controls the number of spare ranks per DDR channel. The default is one spare rank per DDR channel.

Has a dependency on DIMM population where within a channel, multi-rank DIMM needs to be populated Not used on 13G+.

Legal Values
- 1
- 2
- 3
- Auto

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.MemSettings.NativeTrfcTiming (Read or Write)

Description Enables 16 Gb density DIMMs to operate at their programmed Row Refresh Cycle Time (tRFC). Enabling this feature may improve system performance for some memory configurations. However, enabling this feature will have no effect on configurations with 16 Gb 3DS/TSV DIMMs.

Legal Values
- Enabled, Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.MemSettings.NGNFactoryResetClear (Read or Write)

Description	EnableDisable Factory Reset/Clear
Legal Values	• "Disabled", "Enabled"
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NodeInterleave (Read or Write)

Description	When set to Enabled, memory interleaving is supported if a symmetric memory configuration is installed. When set to Disabled, the system supports Non-Uniform Memory Access (NUMA) (asymmetric) memory configurations. Operating Systems that are NUMA-aware understand the distribution of memory in a particular system and can intelligently allocate memory in an optimal manner. Operating Systems that are not NUMA aware could allocate memory to a processor that is not local resulting in a loss of performance. Node Interleaving should only be enabled for Operating Systems that are not NUMA aware. Only available if 2 or more CPUs are present.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault (Read or Write)

Description	Reset all NVDIMM-Ns to their Factory Default state, and erase all NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault0 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!

Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault1 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault2 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault3 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault4 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault5 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault6 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault7 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!

Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault8 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault9 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault10 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault11 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault12 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault13 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault14 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!

Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault15 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault16 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault17 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault18 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault19 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault20 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault21 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!

Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault22 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFactoryDefault23 (Read or Write)

Description	Reset an NVDIMM-N to its Factory Default state, and erase the NVDIMM-N data. WARNING: All contents in NVDIMM-N will be lost if changes are saved when exiting BIOS!
Legal Values	• NvdimmFactoryDefaultEnable • NvdimmFactoryDefaultDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer0 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer1 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer2 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer3 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer4 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer5 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer6 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer7 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer8 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer9 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer10 (Read or Write)

Description	Indicates firmware version used in this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFirmwareVer11 (Read or Write)

Description	
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq0 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq1 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq2 (Read or Write)

Description	Indicates the clock frequency of NVDIMM

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq3 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq4 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq5 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq6 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq7 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq8 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq9 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq10 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmFreq11 (Read or Write)

Description	Indicates the clock frequency of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmInterleaveSupport (Read or Write)

Description	Enabling this setting interleaves NVDIMMs on a per-processor basis. When interleaving is enabled, Memory performance increases. However, if one NVDIMM fails, the data in all interleaved NVDIMMs is lost. When interleaving is disabled, if one NVDIMM fails, the data in other NVDIMMs remains intact."
Legal Values	• NvdimmInterleaveEnable • NvdimmInterleaveDisable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation0 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation1 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation3 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation4 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation5 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation6 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation7 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation8 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation9 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation10 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmLocation11 (Read or Write)

Description	Indicates the slot location of the NVDIMM. This location is printed right next to each DIMM slot on the main system board.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmReadOnly (Read or Write)

Description	When set to enabled, NVDIMM-N is in write-protect mode.

Legal Values	• NvdimmReadOnlyEnable • NvdimmReadOnlyDisable:
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum0 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum1 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum2 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum3 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum4 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum5 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum6 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum7 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum8 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum9 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum10 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSerialNum11 (Read or Write)

Description	Indicates the NVDIMM serial number
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize0 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize1 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize2 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize3 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize4 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize5 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize6 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize7 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize8 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize9 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize10 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.NvdimmSize11 (Read or Write)

Description	Indicates the amount of NVDIMM-N in the DIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.OppSrefEn (Read or Write)

Description	This field enables/disables opportunistic self-refresh feature.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryMode (Read or Write)

Description	When Select NVDIMM-N will enable NVDIMM-N Support. When select Off, all persistent memory access in OS will be disabled.
Legal Values	• NVDIMM • PersistentMemoryOff
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryScrubbing (Read or Write)

Description	Set Persistent Memory Scrubbing mode. Auto: System automatically scrubs persistent memory during POST when multibit errors have been detected. One Shot: System will scrub persistent memory during POST on the entire persistent memory range once. Upon next boot, Fystem will go back to "Auto" persistent memory srcub mode. Enable: System will scrub persistent memory during POST on the entire persistent memory range on everyboot. Note: Scrubbing persistent memory on the entire persistent memory range could take more than 60 minutes during system POST depending on system memory population.

Legal Values	• Auto • OneShot • Enable
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryType (Read or Write)

Description	Select the type of the persistent memory capacity to create.
Legal Values	• PmAppDirect • PmAppDirectNotInterleaved
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryType0 (Read or Write)

Description	Persistent memory type
Legal Values	• AppDirect • AppDirectNotInterleaved
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryType1 (Read or Write)

Description	Persistent memory type
Legal Values	• AppDirect • AppDirectNotInterleaved
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryType2 (Read or Write)

Description	Persistent memory type
Legal Values	• AppDirect • AppDirectNotInterleaved
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemoryType3 (Read or Write)

Description	Persistent memory type
Legal Values	• AppDirect • AppDirectNotInterleaved
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PersistentMemPassphrase (Read or Write)

Description	The Persistent Memory Passphrase unlocks secured Persistent Memory DIMMs. All Persistent Memory DIMMs are affected if the passphrase is modified. WARNING: Entering and confirming a blank passphrase disables passphrase security in all Persistent Memory DIMMs.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID00 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID01 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID02 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID03 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID04 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID05 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID06 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID07 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID08 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID09 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID10 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID11 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID12 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID13 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID14 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID15 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID16 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID17 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID18 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID19 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID20 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID21 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID22 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmControllerRevisionID23 (Read or Write)

Description	Indicates the controller revision ID.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm00InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm01InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm02InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm03InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm04InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm05InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm06InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm07InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm08InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm09InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm10InfoRef (Read or Write)

Description	View Intel Persistent Memory details.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm11InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm12InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm13InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm14InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm15InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm16InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm17InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm18InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm19InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm20InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm21InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm22InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmDimm23InfoRef (Read or Write)

Description	View Intel Persistent Memory details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState00 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState01 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState02 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState03 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState04 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState05 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState06 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState07 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported. [DimmCapabilities==NVDIMM] [DimmCapabilities==AEP] [DimmCapabilities==PMEM]
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState08 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.PmLockState09 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState10 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState11 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState12 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState13 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState14 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState15 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState16 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState17 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState18 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState19 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState20 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen

- PmLockStateNotSupported
- PmLockStateExceeded

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState21 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState22 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled • PmLockStateUnlocked • PmLockStateLocked • PmLockStateFrozen • PmLockStateNotSupported • PmLockStateExceeded
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmLockState23 (Read or Write)

Description	The security state of this NVDIMM as unknown, disabled, unlocked, locked, frozen, max password, and not supported.
Legal Values	• PmLockStateUnknown • PmLockStateDisabled

- PmLockStateUnlocked
- PmLockStateLocked
- PmLockStateFrozen
- PmLockStateNotSupported
- PmLockStateExceeded

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmMemoryMode (Read or Write)

Description	Set the percentage of the total capacity to use in Memory Mode(0-100). Due to platform memory alignment requirements, the capacity will be aligned automatically.
Legal Values	• PmPercentNone • PmPercent0 • PmPercent5 • PmPercent10 • PmPercent15 • PmPercent20 • PmPercent25 • Percent30 • Percent35 • Percent40 • Percent45 • Percent50 • Percent55 • Percent60 • Percent65 • Percent70 • Percent75 • Percent80 • Percent85 • Percent90 • Percent95 • PmPercent100
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmPersistentPercentage (Read or Write)

Description	Reserve a percentage (0-100) of the requested AEP DIMM capacity that will be mapped into the system physical address space as Persistent Memory.
Legal Values	• PmPercentNone • PmPercent0

- Percent5
- Percent10
- Percent15
- Percent20
- Percent25
- Percent30
- Percent35
- Percent40
- Percent45
- Percent50
- Percent55
- Percent60
- Percent65
- Percent70
- Percent75
- Percent80
- Percent85
- Percent90
- Percent95
- PmPercent100

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion00InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion01InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion02InfoRef (Read or Write)

Description	View region details.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion03InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion04InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion05InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion06InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion07InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion08InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion09InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion10InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion11InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion12InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion13InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion14InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion15InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion16InfoRef (Read or Write)

Description	View region details.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion17InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion18InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion19InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion20InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion21InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion22InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmRegion23InfoRef (Read or Write)

Description	View region details.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmSecureEraseAll (Read or Write)

Description	Secure Erase Intel Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmSocket0 (Read or Write)

Description	NVDIMM pool creation for socket00 IntelPersistMemOperationTarget==Socket

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmSocket1 (Read or Write)

Description	NVDIMM region creation for socket01 IntelPersistMemOperationTarget==Socket
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmSocket2 (Read or Write)

Description	NVDIMM pool creation for socket02 IntelPersistMemOperationTarget==Socket
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PmSocket3 (Read or Write)

Description	NVDIMM pool creation for socket03 IntelPersistMemOperationTarget==Socket
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Pool00 (Read or Write)

Description	Indicates pool info for this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Pool01 (Read or Write)

Description	Indicates pool info for this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Pool02 (Read or Write)

Description	Indicates pool info for this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Pool03 (Read or Write)

Description	Indicates pool info for this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.Pool04 (Read or Write)

Description	Indicates pool info for this NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolCapacity0 (Read or Write)

Description	Pool Capacity
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolCapacity1 (Read or Write)

Description	Pool Capacity
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolCapacity2 (Read or Write)

Description	Pool Capacity
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolCapacity3 (Read or Write)

Description	Pool Capacity
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolID0 (Read or Write)

Description	Pool ID

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolID1 (Read or Write)

Description	Pool ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolID2 (Read or Write)

Description	Pool ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.PoolID3 (Read or Write)

Description	Pool ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.ProcEmbMemCacheSize (Read or Write)

Description	Displays cache size of the MCDRAM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.ProcEmbMemMode (Read or Write)

Description	Displays 2LM memory modes of the processor(s). When configured as Cache mode, all the MCDRAM memory is used as memory side cache (MSC). When configured as Flat mode, all the MCDRAM memory is directly mapped to system address space. When configured as Hybrid mode, part of MCDRAM memory is mapped to system address space and the rest is used as MSC.
Legal Values	• Memory • Cache • Hybrid
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.ProcEmbMemSystemSize (Read or Write)

Description	Displays flat size of the MCDRAM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.ProcEmbMemTotalSize (Read or Write)

Description	Displays total size of the MCDRAM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RawCapacity (Read or Write)

Description	Total NVDIMM raw size in the system.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RedundantMem (Read or Write)

Description	Enables or disables the redundant memory feature. This feature can be enabled only if a valid redundant memory configuration is detected. When Mirror Mode is enabled, the server maintains two identical copies of data in memory. This feature allows the system to continue running even during a catastrophic memory failure. NOTE: In Mirror Mode, only half of the memory size is reported to the OS. When Spare Mode is enabled, certain sets of DIMMs or a portion of these DIMMs called a Rank will be set aside as the spare memory. When a preset threshold of correctable errors has been reached on an active DIMM rank, the contents of that rank will be copied to the spare memory to prevent catastrophic memory failure. Note that in Spare Mode, the memory size reported to the OS does not include the spare portion. Default: Disabled For Spare Mode: Has a dependency on DIMM population where within a given channel, multi-rank DIMM or multi single rank DIMM needs to be populated. For Mirror Mode and Lockstep Mode: Has a dependency on DIMM population where corresponding channnels for each socket (Channel0 and Channel2, Channel1 and Channel 3) needs to be populated and populated identitally. Not on 13G+.
Legal Values	• Disabled • Spare • Mirror • IntraNodeMirror • DimmSpare • Dddc
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RedundantMemCfgValid (Read or Write)

Description	Indicates whether the Redundant Memory Configuration is valid. Not on 13G+.
Legal Values	• Invalid • Valid
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RedundantMemInUse (Read or Write)

Description	Indicates that the Redundant Memory Configuration feature is in use. Not on 13G+.
Legal Values	• NotInUse • InUse

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance0 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance1 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance2 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance3 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance4 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance5 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance6 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance7 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance8 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance9 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance10 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance11 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance12 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance13 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance14 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance15 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance16 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance17 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance18 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance19 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance20 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance21 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance22 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.RemainingRatedWriteEndurance23 (Read or Write)

Description	Indicates remaining storage lifetime percentage of NVDIMM
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus00 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus01 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus02 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus03 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus04 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus05 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus06 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus07 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus08 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus09 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus10 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.

Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus11 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus12 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus13 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus14 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus15 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus16 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus17 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus18 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus19 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus20 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus21 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.

Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus22 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SanitizeStatus23 (Read or Write)

Description	The sanitize status of this NVDIMM as unknown, not started, in progress, and completed.
Legal Values	• Unknown • NotStarted • InProgress • Completed
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase00 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase01 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase02 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase03 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase04 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase05 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase06 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase07 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase08 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase09 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase10 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase11 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase12 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase13 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase14 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase15 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase16 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase17 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase18 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase19 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase20 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase21 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase22 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SecureErase23 (Read or Write)

Description	Enable or Disable Secure Erase Persistent Memory.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber00 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber01 (Read or Write)

Description	The serial number of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber02 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber03 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber04 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber05 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber06 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber07 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber08 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber09 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber10 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber11 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber12 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber13 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber14 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber15 (Read or Write)

Description	The serial number of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber16 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber17 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber18 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber19 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber20 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber21 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber22 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SerialNumber23 (Read or Write)

Description	The serial number of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SnoopFilter (Read or Write)

Description	Enables or disables the snoop filter option. Not on 13G+.
Legal Values	• Enabled • Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SnoopMode (Read or Write)

Description	Allows tuning of memory performances under different memory bandwidths. The optimal Snoop Mode setting is highly dependent on workload type. Early Snoop is best used for latency sensitive workloads. This setting offers the best balance between workload effects. Home Snoop is best used for NUMA workloads that need maximum local and remote memory bandwidth. Cluster on Die is best used for highly NUMA optimized workloads. This setting offers the best case local memory latency, but worst case remote latency. Cluster On Die is only available when Node Interleaving is Disabled. Opportunistic Snoop Broadcast, available on select processor models, works well for workloads of mixed NUMA optimization. It offers a good balance of latency and bandwidth. * Gen >= 13G * Value: COD: Proc must support COD. * Value:COD: Node Interleaving must be disalbed (COD available in NUMA mode). * [MemPopulation] * If M830/FC830 with Haswell there is effectively no SnoopMode option. * If M830/FC830 with Broadwell SnoopMode is available with options HomeSnoop and ClusterOnDie (if available).
Legal Values	• HomeSnoop • EarlySnoop • ClusterOnDie • OpportunisticSnoopBroadcast
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SocketID0 (Read or Write)

Description	Socket ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SocketID1 (Read or Write)

Description	Socket ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SocketID2 (Read or Write)

Description	Socket ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SocketID3 (Read or Write)

Description	Socket ID
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz00 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz01 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz02 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz03 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz04 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz05 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz06 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz07 (Read or Write)

Description	The speed of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz08 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz09 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz10 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz11 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz12 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz13 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz14 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz15 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz16 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz17 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz18 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz19 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz20 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz21 (Read or Write)

Description	The speed of this NVDIMM.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz22 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SpeedMHz23 (Read or Write)

Description	The speed of this NVDIMM.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SysMemSize (Read or Write)

Description	Indicates the amount of main memory in the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SysMemSpeed (Read or Write)

Description	Indicates the clock frequency of the main memory.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SysMemType (Read or Write)

Description	Indicates the type of main memory installed in the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SysMemVolt (Read or Write)

Description	Indicates the current operating voltage of main memory.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.SystemMemoryModel (Read or Write)

Description	Displays the memory model of the processor(s) When configured as All2All, all the cores will be serviced by all CHAs (caching/home agent - Caching architecture). When configured as SNC-2, all the CHAs, EDCs, MCs and DRAM/memory are equally split and assigned to each cluster. When configured as SNC-4, only the EDCs and DRAM memory are equally split and assigned to 4 clusters When configured as Hemisphere, all the CHAs, EDCs, MCs are equally split and assigned to each cluster (system address space is interleaved instead of split). When configured as Quadrant, all the CHAs, EDCs, MCs are equally split and assigned to 4 clusters (system address space is interleaved instead of split).
Legal Values	• All2All • SNC-2 • SNC-4 • Hemisphere • Quadrant
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MemSettings.UnconfiguredCapacity (Read or Write)

Description	Total NVDIMM size that is unconfigured in the system.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.MemSettings.VideoMem (Read or Write)

Description	Indicates the total amount of video memory available to the embedded video controller.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings

To manage the miscellaneous objects settings, use the object in this group.

BIOS.MiscSettings.AssetTag (Read or Write)

Description	This field displays the Asset Tag and allows you to modify it. The Asset Tag is a string assigned to a system, usually by an administrator, for security or tracking purposes. The Asset Tag can be up to 63 printable US-ASCII characters.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.CapsuleFirmwareUpdate (Read or Write)

Description	This field enables or disables BIOS update using a UEFI capsule update package. NOTE: If this option is disabled, you will not be able to update the BIOS using services such as Windows Update. This setting has effect only when Boot Mode is set to 'UEFI'.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.DellWyseP25BIOSAccess (Read or Write)

Description	Controls remote user access to BIOS Setup via Dell Wyse P25/P45 Portal. When set to Disabled, pre-OS keyboard and mouse access is prevented, including to Diagnostics and Boot Options. It cannot be set back to Enabled from the P25/P45.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.ErrPrompt (Read or Write)

Description	This field determines whether the BIOS stops and displays a prompt when certain types of errors occur during POST. The BIOS will display the prompt when this setting is Enabled; otherwise, the BIOS will continue through POST and attempt to boot an operating system.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.ForceInt10 (Read or Write)

Description	In UEFI Boot Mode, this field determines whether the system BIOS will load the legacy video (INT 10h) option ROM from the video controller. Normally there would be no reason to do so. However, you might need to do this in order to install certain older operating systems. During installation of these older operating systems, you may be presented with a blank screen (no visible screen output). Setting this field to Enabled may fix this OS installation issue. This field has no effect when Boot Mode is set to BIOS. This field cannot be set to Enabled when Boot Mode is UEFI and Secure Boot is enabled.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.InSystemCharacterization (Read or Write)

Description	When enabled, In-System Characterization (ISC) executes during POST upon detecting relevant change(s) in system configuration to optimize system power and performance. ISC takes about 20 seconds to execute, and system reset is required for ISC results to be applied. The Enabled - No Reboot option executes ISC and continues without applying ISC results until the next time system reset occurs. The Enabled option executes ISC and forces an immediate system reset so that ISC results can be applied right away. It takes the system longer to be ready due to the forced system reset. When disabled, ISC will not execute. R530, R530XD, R430, T430, R330, T330, R230, and T130 do not support ISC.
Legal Values	• Enabled • FastBoot • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.MiscSettings (Read or Write)

Description	This field controls some miscellaneous system settings.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.NumLock (Read or Write)

Description	This field determines whether the system boots with Num Lock enabled or disabled. This does not apply to 84-key keyboards. When Num Lock is On, the rightmost keys on the keyboard function like those on a numeric calculator. With Num Lock Off, they function as cursor-control keys.
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.PowerCycleRequest (Read or Write)

Description	This feature allows you to mimic a one-time AC power cycle. You will rarely need to use this feature. You may be directed to use it by Dell support. This feature is usually set to None. When you change it to Virtual AC, the system will do its best to mimic a temporary removal of AC power from the system (the AC Power Recovery feature will not be triggered by this action). The effect of this action is that some of the hardware components of

the system that are always powered on when AC is present (even when the system appears to be off) will be reset. Using this feature is much more convenient than having to physically remove and reinsert the AC power cord, which would then trigger the AC Power Recovery feature when the cord was reinserted.

Legal Values	• None • FullPowerCycle
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.ReportKbdErr (Read or Write)

Description	This field sets whether keyboard-related error messages are reported at system startup.
Legal Values	• Report • NoReport
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.SysMgmtNVByte1 (Read or Write)

Description	System Management NVRAM Byte that can be used as a state flag.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.SysMgmtNVByte2 (Read or Write)

Description	System Management NVRAM Byte that can be used as a state flag.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.MiscSettings.SystemUefiShell (Read or Write)

Description	This field enables or disables the System UEFI Shell as a UEFI boot option choice.

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings

This group contains the attributes that provides details about `BIOS.NetworkSettings`.

BIOS.NetworkSettings.HttpDev1EnDis (Read or Write)

Description	When this setting is Enabled, the BIOS will create a UEFI boot option for the HTTP device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev1SettingsRef (Read or Write)

Description	View and/or modify this device's boot configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev2EnDis (Read or Write)

Description	When this setting is Enabled, the BIOS will create a UEFI boot option for the HTTP device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev2SettingsRef (Read or Write)

Description	View and/or modify this device's boot configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev3EnDis (Read or Write)

Description	When this setting is Enabled, the BIOS will create a UEFI boot option for the HTTP device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev3SettingsRef (Read or Write)

Description	View and/or modify this device's boot configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev4EnDis (Read or Write)

Description	When this setting is Enabled, the BIOS will create a UEFI boot option for the HTTP device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.HttpDev4SettingsRef (Read or Write)

Description	View and/or modify this device's boot configuration.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.IscsiDev1EnDis (Read or Write)

Description	This field controls the configuration for this iSCSI device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.IscsiInitiatorName (Read or Write)

Description	This field specifies the name of the iSCSI Initiator in IQN format.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.PxeDev1EnDis (Read or Write)

Description	PXE device Enable/Disable. When enabled, a UEFI boot option will be created for the PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.PxeDev2EnDis (Read or Write)

Description	PXE device Enable/Disable. When enabled, a UEFI boot option will be created for the PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.PxeDev3EnDis (Read or Write)

Description	PXE device Enable/Disable. When enabled, a UEFI boot option will be created for the PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NetworkSettings.PxeDev4EnDis (Read or Write)

Description	PXE device Enable/Disable. When enabled, a UEFI boot option will be created for the PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NVMeSettings

This group contains the attributes that provides details about `BIOS.NVMeSettings`.

BIOS.NvmeSettings.NvmeMode (Read or Write)

Description	If the system contains NVMe drives that you want to configure in a RAID array, you must set both this field and the Embedded SATA field on the SATA Settings menu to RAID Mode. You may also need to change the Boot Mode setting to UEFI. Otherwise, you should set this field to Non-RAID Mode.
Legal Values	• NonRaid • Raid
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NVMeSettings.NvmeSettings (Read or Write)

Description	NA
Legal Values	• NA
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.NVMeSettings.NvmeSettingsRef (Read or Write)

Description	This field sets the NVMe drive mode.
Legal Values	• NA
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot

You can manage the one time boot settings using the objects in this group.

BIOS.OneTimeBoot.OneTimeBiosBootSeq (Read or Write)

Description	This field determines the one-time boot device when the One-Time Boot Device List is set to BIOS Boot Sequence Device. If Boot Mode is set to UEFI, the system temporarily switches the Boot Mode to BIOS when attempting a one-time boot to the device.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeBoot (Read or Write)

Description	This field supports a one-time boot to a specified device.
Legal Values	Not Applicable
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NOTE: On a Dell 13th generation of PowerEdge server, to set the value from `OneTimeBootMode` to `OneTimeUefiBootSeq`, you must boot the server in UEFI mode.

BIOS.OneTimeBoot.OneTimeBootMode (Read or Write)

Description	This field enables the boot device list from which a boot device can be selected. After selecting the One-Time Boot Device List, the desired boot device must be selected from the corresponding Sequence Device field. The system will attempt to boot once to the selected device on next startup.
Legal Values	• Disabled • OneTimeBootSeq • OneTimeHddSeq • OneTimeUefiBootSeq • OneTimeCustomBootSeqStr • OneTimeCustomHddSeqStr • OneTimeCustomUefiBootSeqStr
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeBootModeSeq (Read or Write)

Description	Indicates the one time boot device sequence.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeBootSeqDev (Read or Write)

Description	This field determines the one-time boot device when the One-Time Boot Device List is set to BIOS Boot Sequence Device. If Boot Mode is set to UEFI, the system temporarily switches the Boot Mode to BIOS when attempting a one-time boot to the device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeCustomBootStr (Read or Write)

Description	This field determines the one-time boot device when the One-Time Boot Device List is set to one of the Custom String options. The system may temporarily switch to the correct boot mode based on the One-Time Boot Device List setting.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeHddSeq (Read or Write)

Description	This field determines the one-time boot hard disk when the One-Time Boot Device List is set to BIOS Hard-Disk Drive Sequence Device. If Boot Mode is set to UEFI, the system temporarily switches the Boot Mode to BIOS when attempting a one-time boot to the device.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeHddSeqDev (Read or Write)

Description	This field determines the one-time boot hard disk when the One-Time Boot Device List is set to BIOS Hard-Disk Drive Sequence Device. If Boot Mode is set to UEFI, the system temporarily switches the Boot Mode to BIOS when attempting a one-time boot to the device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeUefiBootPath (Read or Write)

Description	Allows a one-time UEFI boot to the provided UEFI device path.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeUefiBootSeq (Read or Write)

Description	This field determines the one-time boot device when the One-Time Boot Device List is set to UEFI Boot Sequence Device. If Boot Mode is set to BIOS, the system temporarily switches the Boot Mode to UEFI when attempting a one-time boot to the device.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.OneTimeBoot.OneTimeUefiBootSeqDev (Read or Write)

Description	This field determines the one-time boot device when the One-Time Boot Device List is set to UEFI Boot Sequence Device. If Boot Mode is set to BIOS, the system temporarily switches the Boot Mode to UEFI when attempting a one-time boot to the device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PowerMgmtSettings

This group contains the attributes that provides details about `BIOS.PowerMgmtSettings`.

BIOS.PowerMgmtSettings.PowerMgmt (Read or Write)

Description	NA
Legal Values	• OsCtrl • ActivePwrCtrl • Custom • MaxPerf
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PowerMgmtSettings.PowerMgmtSettings (Read or Write)

Description	This field controls the power management settings.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings

To configure the processor settings, use the objects in this group.

BIOS.ProcSettings.CcxAsNumaDomain (Read or Write)

Description	This field specifies that each CCX within the processor will be declared as a NUMA Domain.
Legal Values	• Enabled • Disabled • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ControlledTurbo (Read or Write)

Description	Helps to control the turbo engagement feature. It is active when System Profile is set to Performance, or when System Profile is set to Custom, CPU Power Management is set to Maximum Performance, and Turbo Boost enabled. No dependency, however this setting is only valid when the CPU Power Management is set to Maximum Performance.If the CPU Power Management is not set to Maximum Performance, the customer can still change it but it will have no effect.
Legal Values	• Enabled • Disabled • ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • ControlledTurboLimitMinus3 • Custom
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ControlledTurboExtended (Read or Write)

Description	Enables control ofÂ the turbo limit engagement. Effective only when the Dell Controlled Turbo feature is enabled.
Legal Values	• ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ControlledTurboMinusBin (Read or Write)

Description	Enter a value from 0 to 12 bins. The value entered decreases the Dell AVX Scaling Technology frequency when the Dell Controlled Turbo feature is enabled.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.CpuInterconnectBusSpeed (Read or Write)

Description	This setting governs the frequency of the communication links among the CPUs in the system. Note that standard and basic bin processors support lower link frequencies than the advanced parts do. Maximum Data Rate indicates that the BIOS will run the communication links at the maximum frequency supported by the processors. You can also select specific frequencies that the processors support, which can vary. For best performance, you should choose the Maximum Data setting. Any reduction in the communication link frequency will affect the performance of non-local memory accesses and cache coherency traffic. In addition, it can slow access to non-local I/O devices from a particular CPU. However, if power saving considerations outweigh performance, you may want to reduce the frequency of the CPU communication links. If you do this, you should localize memory and I/O accesses to the nearest NUMA node to minimize the impact to system performance. Only available if 2 or more CPUs are present. On 14G only MaxDataRate, 10GTps, and 9GTps
Legal Values	• MaxDataRate • 10GTps • 9GTps
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.CpuMinSevAsid (Read or Write)

Description	This option determines the number of Secure Encrypted Virtualization ES and non-ES available Address Space IDs. It is a numeric box where the number is the dividing line between non-ES and ES ASIDs. ES - Encrypted State - the register save state area is also encrypted along with the entire guest memory area A value of 1 means there are only non-ES ASIDs available A value of 16 means there are only ES ASIDs available. A value in-between, like 8 means the ASIDs are split into 7 ES and 8 non-ES ASIDs. SEV-ES ASID count Setup option allows setting from 1-16/ 1-254/ 1-510 depending on the CPU capabilities.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.DataReuse (Read or Write)

Description	When set to Enabled, allows the processor to retain frequently used lines in all levels of cache at the expense of some control signals between the processor and cache.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.DculpPrefetcher (Read or Write)

Description	Enables or disables Data Cache Unit (DCU) IP Prefetcher. This setting can affect performance, depending on the application running on the server. Recommended for High Performance Computing applications. Not on Value systems.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.DcuStreamerPrefetcher (Read or Write)

Description	Enables or disables Data Cache Unit (DCU) Streamer Prefetcher. This setting can affect performance, depending on the application running on the server. Recommended for High Performance Computing applications. Not on Value systems.
Legal Values	• Enabled

- Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.DmaVirtualization (Read or Write)

Description	When enabled, additional hardware capabilities for DMA Remapping and Virtualization are available.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.DynamicCoreAllocation (Read or Write)

Description	Logical Processor Idling (LPI) is a collaborative interface between platform and Operating System that helps to improve the energy efficiency of a system. This feature is required in those cases where customer has a need to go for power budgeting. It uses Operating Systems core parking algorithm and parks some of the logical processors in the system which in turn lets the corresponding processor cores transition into a lower power idle state. If LPI is getting used instead of throttling, better performances can be achieved when power budgeting is used. Setting to Disabled limits the OS capability to put the logical processors in idling state. Note: This feature is not supported if CPU Power Management is set to Maximum Performance.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.FastGoConfig (Read or Write)

Description	Selects CR QoS Configuration Profiles
Legal Values	• 0 • 1 • 2 • 3 • 4 • 5 • 6
Default Value	6
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	

BIOS.ProcSettings.IommuSupport (Read or Write)

Description	Enable or Disable IOMMU support. Required to create IVRS ACPI Table
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.IrqThrottle (Read or Write)

Description	Enables throttling of local requests that target a remote address.
Legal Values	• 0 • 1 • 2 • 3 • 4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.L1Prefetcher (Read or Write)

Description	Enables or disables the L1 Prefetcher. This setting can affect performance, depending on the application running on the server. Recommended for High Performance Computing applications.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.L1StreamHwPrefetcher (Read or Write)

Description	When set to Enabled, the processor provides advanced performance tuning by controlling the L1 Stream HW prefetcher setting. Use the recommended setting, and this option will allow for optimizing overall workloads.
Legal Values	• Enabled

- Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.L2Prefetcher (Read or Write)

Description	Enables or disables the L2 Prefetcher. This setting can affect performance, depending on the application runningon the server. Recommended for High Performance Computing applications.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.L2RfoPrefetch (Read or Write)

Description	Enable or disable the L2 RFO(Read For Ownership) prefetch. The RFO is the process of reading a cache line from the memory into the cache before it can be written to.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.L2StreamHwPrefetcher (Read or Write)

Description	When set to Enabled, the processor provides advanced performance tuning by controlling the hardware prefetcher setting. Use the recommended setting, and this option will allow for optimizing overall workloads.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.LogicalProc (Read or Write)

Description	Each processor core supports up to two logical processors. When set to Enabled, the BIOS reports all logical processors. When set to Disabled, the BIOS only reports one logical processor per core. Generally, higher processor count results in increased performance for most multi-threaded workloads and the recommendation is to keep this enabled. However, there are some floating point/scientific workloads, including HPC workloads, where disabling this feature may result in higher performance. Processor must support HyperThreading.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.MadtCoreEnumeration (Read or Write)

Description	This field determines how BIOS enumerates processor cores in the ACPI MADT table. When set to Round Robin, Processor cores are enumerated in a Round Robin order to evenly distribute interrupt controllers for the OS across all Sockets and Dies. When set to Linear, Processor cores are enumerated across all Dies within a Socket before enumerating additional Sockets for a linear distribition of interrupt conotrollers for the OS. Only visible on systems with AMD processors.
Legal Values	• RoundRobin • Linear
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.NumaDistanceEnum (Read or Write)

Description	This field determines how BIOS enumerate NUMA nodes distance in ACPI SLIT tables. When set to physical, NUMA node distance will enumerated by physical architecture. When set to logical, the level of NUMA node distance will simplified by logical distance for better OS capability.
Legal Values	• Physical • Logical
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.NumaNodesPerSocket (Read or Write)

Description	This field specifies the number of NUMA nodes per socket. The Zero option is for 2 socket configurations.

Legal Values	• 0 • 1 • 2 • 4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.PerfMonitorDevices (Read or Write)

Description	When set to Enabled, Performance Monitor Devices are visible to the OS. **NOTE: The Performance Monitor Devices field is set to `Disabled` by default.**
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1Brand (Read or Write)

Description	This field displays the brand text provided by the processor manufacturer.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1ControlledTurbo (Read or Write)

Description	Helps control the turbo engagement for processor 1. This option is active when System Profile is set to Performance, or when System Profile is set to Custom, CPU Power Management is set to Maximum Performance, and Turbo Boost enabled. A DPAT Pro license is needed to enable this feature. No dependency, however this setting is only valid when the CPU Power Management is set to Maximum Performance.If the CPU Power Management is not set to Maximum Performance, the customer can still change it but it will have no effect. A DPAT Pro license is needed to expose this field. **NOTE: You can enable this option only when System Profile is set to Performance.**
Legal Values	• Disabled • ControlledTurboLimit • ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • ControlledTurboLimitMinus3

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1ControlledTurboMinusBin (Read or Write)

Description	For processor 1, when the Dell Controlled Turbo feature is enabled and set to Custom, the value entered decreases the Dell AVX Scaling Technology frequency.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1Cores (Read or Write)

Description	Controls the number of enabled cores in the processor. Under certain circumstances, you may see limited performance improvements to Intel Turbo Boost Technology and benefit from potentially larger shared caches if you reduce the number of enabled cores. Most computing environments tend to benefit more from larger number of processing cores, so you must carefully weigh the disabling of cores to gain nominal performance enhancements. This setting requires the DPAT Pro license to be visible. It can be edited only if the Number of Cores per Processor is set to Custom.
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1Id (Read or Write)

Description	Displays the processor's family, model, and stepping values.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1L2Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1L3Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1MaxMemoryCapacity (Read or Write)

Description	Displays the maximum amount of system memory supported by this processor. Available only when "max memory capacity" data is provided by the processor.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1Microcode (Read or Write)

Description	Indicates the microcode update signature.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc1NumCores (Read or Write)

Description	Displays the number of cores in the processor package.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2Brand (Read or Write)

Description	Displays the brand text provided by the processor manufacturer.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2ControlledTurbo (Read or Write)

Description	Helps control the turbo engagement for processor 2. This option is active when System Profile is set to Performance, or when System Profile is set to Custom, CPU Power Management is set to Maximum Performance, and Turbo Boost enabled. A DPAT Pro license is needed to enable this feature. No dependency, however this setting is only valid when the CPU Power Management is set to Maximum Performance.If the CPU Power Management is not set to Maximum Performance, the customer can still change it but it will have no effect. A DPAT Pro license is needed to expose this field. **NOTE: You can enable this option only when System Profile is set to Performance.**
Legal Values	• Disabled • ControlledTurboLimit • ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • ControlledTurboLimitMinus3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2ControlledTurboMinusBin (Read or Write)

Description	For processor 2, when the Dell Controlled Turbo feature is enabled and set to Custom, the value entered decreases the Dell AVX Scaling Technology frequency.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2Cores (Read or Write)

Description	Controls the number of enabled cores in the processor. Under certain circumstances, you may see limited performance improvements to Intel Turbo Boost Technology and benefit from potentially larger shared caches if you reduce the number of enabled cores. Most computing environments tend to benefit more from larger number of processing cores, so you must carefully weigh the disabling of cores to gain nominal performance enhancements. This setting requires the DPAT Pro license to be visible. It can be edited only if the Number of Cores per Processor is set to Custom.
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2Id (Read or Write)

Description	Displays the processor's family, model, and stepping values.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2L2Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2L3Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2MaxMemoryCapacity (Read or Write)

Description	Displays the maximum amount of system memory supported by this processor. Available only when "max memory capacity" data is provided by the processor.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2Microcode (Read or Write)

Description	Indicates the microcode update signature.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc2NumCores (Read or Write)

Description	Displays the number of cores in the processor package.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3Brand (Read or Write)

Description	Displays the brand text provided by the processor manufacturer.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3ControlledTurbo (Read or Write)

Description	Helps control the turbo engagement for processor 3. This option is active when System Profile is set to Performance, or when System Profile is set to Custom, CPU Power Management is set to Maximum Performance, and Turbo Boost enabled. A DPAT Pro license is needed to enable this feature. No dependency, however this setting is only valid when the CPU Power Management is set to Maximum Performance.If the CPU Power Management is not set to Maximum Performance, the customer can still change it but it will have no effect. A DPAT Pro license is needed to expose this field. **NOTE: You can enable this option only when System Profile is set to Performance.**
Legal Values	• Disabled • ControlledTurboLimit • ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • ControlledTurboLimitMinus3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3ControlledTurboMinusBin (Read or Write)

Description	For processor 3, when the Dell Controlled Turbo feature is enabled and set to Custom, the value entered decreases the Dell AVX Scaling Technology frequency.
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3Cores (Read or Write)

Description	Controls the number of enabled cores in the processor. Under certain circumstances, you may see limited performance improvements to Intel Turbo Boost Technology and benefit from potentially larger shared caches if you reduce the number of enabled cores. Most computing environments tend to benefit more from larger number of processing cores, so you must carefully weigh the disabling of cores to gain nominal performance enhancements. This setting requires the DPAT Pro license to be visible. It can be edited only if the Number of Cores per Processor is set to Custom.
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3Id (Read or Write)

Description	Displays the processor's family, model, and stepping values.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3L2Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3L3Cache (Read or Write)

Description	Displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3MaxMemoryCapacity (Read or Write)

Description	Displays the maximum amount of system memory supported by this processor. Available only when "max memory capacity" data is provided by the processor.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3Microcode (Read or Write)

Description	Indicates the microcode update signature.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc3NumCores (Read or Write)

Description	Displays the number of cores in the processor package.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4Brand (Read or Write)

Description	Displays the brand text provided by the processor manufacturer.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4ControlledTurbo (Read or Write)

Description	Helps to control the turbo engagement for processor 4. This option is active when System Profile is set to Performance, or when System Profile is set to Custom, CPU Power Management is set to Maximum Performance, and Turbo Boost enabled. A DPAT Pro license is needed to enable this feature. No dependency, however this setting is only valid when the CPU Power Management is set to Maximum Performance.If the CPU Power Management is not set to Maximum Performance, the customer can still change it but it will have no effect. A DPAT Pro license is needed to expose this field. **NOTE: You can enable this option only when System Profile is set to Performance.**
Legal Values	• Disabled • ControlledTurboLimit • ControlledTurboLimitMinus1 • ControlledTurboLimitMinus2 • ControlledTurboLimitMinus3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4ControlledTurboMinusBin (Read or Write)

Description	For processor 4, when the Dell Controlled Turbo feature is enabled and set to Custom, the value entered decreases the Dell AVX Scaling Technology frequency.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4Cores (Read or Write)

Description	Controls the number of enabled cores in the processor. Under certain circumstances, you may see limited performance improvements to Intel Turbo Boost Technology and benefit from potentially larger shared caches if you reduce the number of enabled cores. Most computing environments tend to benefit more from larger number of processing cores, so you must carefully weigh the disabling of cores to gain nominal performance enhancements. This setting requires the DPAT Pro license to be visible. It can be edited only if the Number of Cores per Processor is set to Custom.
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4Id (Read or Write)

Description	Displays the processor's family, model, and stepping values.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4L2Cache (Read or Write)

Description	This field displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4L3Cache (Read or Write)

Description	This field displays the amount of memory in the corresponding processor cache.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4MaxMemoryCapacity (Read or Write)

Description	Displays the maximum amount of system memory supported by this processor. Available only when "max memory capacity" data is provided by the processor.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4Microcode (Read or Write)

Description	Indicates the microcode update signature.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc4NumCores (Read or Write)

Description	This field displays the number of cores in the processor package.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.Proc64bit (Read or Write)

Description	Indicates whether or not the installed processor(s) support 64-bit extensions.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcAdjCacheLine (Read or Write)

Description	When set to Enabled, the system is optimized for applications that require high utilization of sequential memory access. Disable this option for applications that require high utilization of random memory access.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcAts (Read or Write)

Description	Defines the Address Translation Cache (ATC) behavior for devices to cache DMA translations. This field provides an interface to a chipset's Address Translation and Protection Table to translate DMA addresses to host addresses. Can only be edited if Virtualization is set to Enabled. Supported on 13G, except value systems. Not supported on 14G.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcBusSpeed (Read or Write)

Description	Displays the bus speed of the processor(s).
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcConfigTdp (Read or Write)

Description	Allows the reconfiguration of the processor Thermal Design Power (TDP) levels based on the power and thermal delivery capabilities of the system. TDP refers to the maximum amount of power the cooling system is required to dissipate. NOTE: This option is only available on certain SKUs of the processors, and the number of alternative levels varies as well. Value systems only support Nominaml (effectively not configurable).
Legal Values	• Nominal • Level1 • Level2 • Maximum • Minimum
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcCores (Read or Write)

Description	Controls the number of cores presented to the Operating System (OS) from each populated processor socket. In general, it is uncommon to artificially reduce the core count for a given system, but under some circumstances, limited performance improvements to Intel Turbo Boost Technology and potentially larger shared caches may benefit some customers. Most computing environments tend to benefit more from larger numbers of processing cores, so you must carefully weigh disabling cores to gain nominal performance enhancements.
Legal Values	• Single • All • Dual • Quad • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28 • 32 • Custom
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcCoreSpeed (Read or Write)

Description	Displays the rated clock speed of the processor(s).
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcCoresPerDie (Read or Write)

Description	Controls the number of enabled cores in the processor. Under certain circumstances, you may see limited performance improvements to Boost Technology and benefit from potentially larger shared caches if you reduce the number of enabled cores. Most computing environments tend to benefit more from larger number of processing cores, so you must carefully weigh the disabling of cores to gain nominal performance enhancements.
Legal Values	• Auto • Two1Plus1 • Two2Plus0 • Three3Plus0 • Four2Plus2 • Four4Plus0 • Six3Plus3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcDramPrefetcher (Read or Write)

Description	When set to Enabled, turns on the DRAM prefetch unit in the Northbridge. When set to Disabled, prevents DRAM references from triggering DRAM prefetch requests. Default: Enabled
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.PROCESSOR_CCD (Read or Write)

Description	Displays the number of CCD's per processor. This property is the container of CCX.
Legal Values	• All • 2 • 3 • 4

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Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.PROCESSOR_CCD_CCX (Read or Write)

Description	Displays the number of cores per CCD. All the cores in the same CCX share L3 cache.
Legal Values	• ALL, TWO(1+1) • FOUR(2+2) • SIX(3+3)
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcExecuteDisable (Read or Write)

Description	A security feature designed to prevent certain types of buffer overflow attacks by enforcing specific areas of memory that applications can execute code. In general, it is best pratice to leave this option set to Enabled for the security benefits, as no real performance advantage has been detected by disabling this feature in BIOS.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcHtAssist (Read or Write)

Description	When enabled, it provides filtering of broadcast probes to improve HyperTransport I/O Link bandwidth and performance on multi-node systems. When set to Enabled, the probe filter is enabled if two or more processors are installed and all processors support the probe filter. If only one processor is installed, both nodes must have memory (at least 1067 MHz) attached. The default is Disabled for single-processor systems and Enabled for multi-processor systems.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcHwPrefetcher (Read or Write)

Description	When set to Enabled, the processor is able to prefetch extra cache lines for every memory request. This setting can affect performance, depending on the application running on the server and memory bandwidth utilization.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcHyperTransport (Read or Write)

Description	Specifies the supported HyperTransport I/O Link Specification. If the system board and all installed processors support HT 3, this field is settable to HT 3 or HT 1, else this field will become Read-Only and set to HT 1.
Legal Values	• HT1 • HT3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcSettings (Read or Write)

Description	Enables you toÂ control the processor(s) settings.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcSoftwarePrefetcher (Read or Write)

Description	When set to Enabled, the hardware prefetcher considers software prefetches when detecting strides for prefetch requests. When set to Disabled, prevents the hardware prefetcher from considering software prefetches when detecting strides for prefetch requests. Default: Enabled
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.ProcSettings.ProcSwPrefetcher (Read or Write)

Description	When set to Enabled, the processor is able to prefetch extra cache lines for every memory request. This setting can affect performance, depending on the application running on the server and memory bandwidth utilization.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcVirtualization (Read or Write)

Description	When set to Enabled, the BIOS will enable processor Virtualization features and provide the virtualization support to the Operating System (OS) through the DMAR table. In general, only virtualized environments such as VMware(r) ESX(tm), Microsoft Hyper-V(r), Red Hat(r) KVM, and other virtualized operating systems will take advantage of these features. Disabling this feature is not known to significantly alter the performance or power characteristics of the system, so leaving this option Enabled is advised for most cases.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.ProcX2Apic (Read or Write)

Description	Enable or Disable x2APIC mode. Compared to the traditional xAPIC architecture, x2APIC extends processor addressability and enhances interrupt delivery performance. BIOS will force x2APIC to be enabled if there are 256 or more processor threads **NOTE: To enable `BIOS.ProcSettings.ProcX2Apic`, you must enable `BIOS.ProcSettings.ProcVirtualization`.**
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.QpiBandwidthPriority (Read or Write)

Description	Determines the number and priority of requests on the QuickPath Interconnect (QPI) bus. The QPI connects the processor sockets. The Compute setting favors computational traffic while the I/O setting is optimized for IO intensive workloads.
Legal Values	• InputOutput • Compute
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.QpiSpeed (Read or Write)

Description	The Intel QuickPath Interconnect (QPI) Speed option in the Processor section governs the frequency of the QPI links between the populated processors. The user should be aware that standard and basic bin Intel processors of this architecture support slower QPI link speeds than the advanced parts provide. Maximum Data Rate indicates that the BIOS will run the QPI links at the maximum frequency supported by the processor. Specific frequencies supported by the processor, which can vary, can also be selected. For best performance, the QPI link speed should be left at the maximized setting, for any reduction in QPI speed will affect the performance of non-local memory accesses and cache coherency traffic. In addition, access to non-local I/O devices from a particular core can be slowed by the reduction of QPI link speed. However, in some cases it may be advisable to reduce QPI speed where power considerations outweigh the performance cost. For users considering reducing the QPI link speeds, memory and I/O accesses should be localized to the nearest NUMA node to minimize the performance impact. Only available if 2 or more CPUs are present.
Legal Values	• MaxDataRate • 9GTps • 8GTps • 7GTps • 6GTps
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.RtidSetting (Read or Write)

Description	Manipulates Requestor Transaction IDs, which are QuickPath Interconnect (QPI) resources. Generally should be left at Disabled, as no workloads have been identified as benefitting from the manipulation of this feature. NOTE: Enabling this option almost always results in negative impacts to overall system performance. Supported on 13G, except value systems. Not supported on 14G.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.ProcSettings.SubNumaCluster (Read or Write)

Description	Sub NUMA Clustering (SNC) is a feature for breaking up the LLC into disjoint clusters based on address range, with each cluster bound to a subset of the memory controllers in the system. It improves average latency to the LLC.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.ProcSettings.UpiPrefetch (Read or Write)

Description	UPI Prefetch is a mechanism too get the memory read started early on DDR bus, the UPI Rx path will spawn a MemSpecRd to iMC directly.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev1Settings

This group contains the attributes that provides details about `BIOS.PxeDev1Settings`.

BIOS.PxeDev1Settings.PxeDev1Interface (Read or Write)

Description	NIC Interface used for this PXE device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev1Settings.PxeDev1Protocol (Read or Write)

Description	This field controls the PXE protocol used for this PXE device.
Legal Values	• IPv4 • IPv6

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev1Settings.PxeDev1VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev1Settings.PxeDev1VlanId (Read or Write)

Description	VLAN ID for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev1Settings.PxeDev1VlanPriority (Read or Write)

Description	VLAN priority for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev2Settings

This group contains the attributes that provides details about `BIOS.PxeDev2SettingsBIOS.PowerManagement`.

BIOS.PxeDev2Settings.PxeDev2Interface (Read or Write)

Description	NIC Interface used for this PXE device.
Legal Values	• *Dynamic*

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev2Settings.PxeDev2Protocol (Read or Write)

Description	This field controls the PXE protocol used for this PXE device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev2Settings.PxeDev2VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev2Settings.PxeDev2VlanId (Read or Write)

Description	VLAN ID for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev2Settings.PxeDev2VlanPriority (Read or Write)

Description	VLAN priority for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev3Settings

This group contains the attributes that provides details about `BIOS.PxeDev3Settings`.

BIOS.PxeDev3Settings.PxeDev3Interface (Read or Write)

Description	NIC Interface used for this PXE device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev3Settings.PxeDev3Protocol (Read or Write)

Description	This field controls the PXE protocol used for this PXE device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev3Settings.PxeDev3VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev3Settings.PxeDev3VlanId (Read or Write)

Description	VLAN ID for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev3Settings.PxeDev3VlanPriority (Read or Write)

Description	VLAN priority for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev4Settings

This group contains the attributes that provides details about `BIOS.PxeDev4Settings`.

BIOS.PxeDev4Settings.PxeDev4Interface (Read or Write)

Description	NIC Interface used for this PXE device.
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev4Settings.PxeDev4Protocol (Read or Write)

Description	This field controls the PXE protocol used for this PXE device.
Legal Values	• IPv4 • IPv6
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev4Settings.PxeDev4VlanEnDis (Read or Write)

Description	VLAN Enable/Disable for this PXE device.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev4Settings.PxeDev4VlanId (Read or Write)

Description	VLAN ID for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.PxeDev4Settings.PxeDev4VlanPriority (Read or Write)

Description	VLAN priority for this PXE device.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.RedundantOsControl

This group contains the attributes that provides details about `BIOS.RedundantOsControl`.

BIOS.RedundantOsControl.RedundantOsBoot (Read or Write)

Description	When set to Enabled, the BIOS will boot to the device specified by Redundant OS Location.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.RedundantOsControl.RedundantOsLocation (Read or Write)

Description	Specifies the backup device for the Redundant OS Control feature. When Redundant OS Boot is set to Enabled, the BIOS will boot to this device. Note: 1) SD Card Port, Internal USB Port, M.2 cards - If a device is set as the Redundant OS Location, then the corresponding device setting will be set based on Redundant OS state and not be available to be changed in Integrated Devices. 2) Embedded SATA - must be set to anything other than Off for SATA ports to show up as optional backup devices
Legal Values	• *Dynamic*
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.RedundantOsControl.RedundantOsState (Read or Write)

Description	When set to Hidden, the device specified by Redundant OS Location will be hidden. It will not be visible in the Operating System or the BIOS boot sequence.
Legal Values	• Visible • Hidden
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings

Use the objects in this group to configure the BIOS SATA settings.

BIOS.SataSettings.EmbSata (Read or Write)

Description	Configures the embedded SATA to be set to Off, AHCI, or RAID Mode. RAID option is suppressed if platform does not support SWRAID.
Legal Values	• Off • AtaMode • RaidMode • AhciMode
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.EmbSataShadow (Read or Write)

Description	For internal use. No dependency, AND should NOT be used by any teams except BIOS.
Legal Values	• AtaMode • AhciMode • RaidMode • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.eSataPort1 (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. NA
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.eSataPort1Capacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. NA
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.eSataPort1DriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. NA
Legal Values	• N/A
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.eSataPort1Model (Read or Write)

Description	Indicates the drive model of the selected device. NA
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortA (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 1 onboard SATA port. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortACapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 1 onboard SATA port.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortADriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 1 onboard SATA port.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortAModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 1 onboard SATA port.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortB (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 2 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortBCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 2 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortBDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 2 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortBModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 2 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortC (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 3 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortCCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 3 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortCDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 3 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortCModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 3 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortD (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 4 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortDCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 4 onboard SATA ports.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortDDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 4 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortDModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 4 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortE (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 5 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortECapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 5 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortEDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 5 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortEModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 5 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortF (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 6 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortFCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 6 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortFDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 6 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortFModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 6 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortG (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 7 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off

- Auto

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortGCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortGDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortGModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortH (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only.

This attribute is shown if platform supports at least 8 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.

Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortHCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 8 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortHDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 8 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortHModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 8 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortI (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 9 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortICapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 9 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortIDriveType (Read or Write)

Description	This field indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 9 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortIModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 9 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortJ (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 10 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortJCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 10 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortJDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 10 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortJModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 10 onboard SATA ports.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortK (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 7 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortKCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortKDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortKModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortL (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 7 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortLCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortLDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortLModel (Read or Write)

Description	Indicates the drive model of the selected device. Indicates the drive model of the selected device.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortM (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 7 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortMCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortMDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortMModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortN (Read or Write)

Description	Sets the drive type of the selected device. When the Embedded SATA setting is ATA Mode, set this field to Auto to enable BIOS support for the device. Select Off to turn off BIOS support for the device. When the Embedded SATA setting is AHCI Mode or RAID Mode, BIOS always enables support for the device and this field is read-only. This attribute is shown if platform supports at least 7 onboard SATA ports. This attribute is grayed out if Sata Mode is NOT ATA.
Legal Values	• Off • Auto
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortNCapacity (Read or Write)

Description	Indicates the total capacity of a hard-disk drive. This field is undefined for removable-media devices such as optical drives. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortNDriveType (Read or Write)

Description	Indicates type of device attached to this SATA port. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataPortNModel (Read or Write)

Description	Indicates the drive model of the selected device. This attribute is supressed if Sata Mode is RAID or the platform supports less than 7 onboard SATA ports.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SataSettings (Read or Write)

Description	Controls embedded SATA settings. None
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.SecurityFreezeLock (Read or Write)

Description	When set to Enabled, the Security Freeze Lock command is sent to the Embedded SATA drives during POST. This option is only applicable to ATA, AHCI mode, and is not applicable to RAID mode. This has the value of Disabled (read-only) if Sata Mode is Raid or Off.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SataSettings.WriteCache (Read or Write)

Description	Sends Enable or Disable Write Cache command to the Embedded SATA drives during POST. This option is only applicable to ATA, AHCI mode, and is not applicable to RAID mode. This has the value of Disabled (read-only) if Sata Mode is Raid or Off.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings

To manage the serial port settings, use the objects in the group.

BIOS.SerialCommSettings.ConTermType (Read or Write)

Description	This field sets your remote console's terminal type. The <Ctrl><Alt><Del> key sequence is mapped to <ESC><R><ESC><r><ESC><R> on the Terminal. The <Ctrl><H>, <Ctrl><I>, <Ctrl><J>, <Ctrl><M> key sequences are mapped to <ESC><Ctrl><H>, <ESC><Ctrl><I>, <ESC><Ctrl><J>, <ESC><Ctrl><M> on the Terminal. <Alt><x> key sequences are mapped to <ESC><X><X> on the Terminal, where x is any letter key, and X is the upper case of that key.
Legal Values	• Vt100Vt220 • Ansi
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.ExtSerialConnector (Read or Write)

Description	Use this field to associate the External Serial Connector to Serial Device 1, Serial Device 2, or the Remote Access Device. Note: Only Serial Device 2 can be used for Serial Over LAN. Configuring the External Serial Connector to Serial Device 1 allows independent use of Serial Device 1 while Serial Device 2 can be used for Serial Over LAN. Please see the User's Guide for the various operating modes available. Not supported on blades.
Legal Values	• Serial1 • Serial2 • RemoteAccDevice
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.FailSafeBaud (Read or Write)

Description	If the BIOS fails to determine the baud rate automatically, then it will use the baud rate specified by this field.
Legal Values	• 115200 • 57600 • 19200 • 9600
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.RedirAfterBoot (Read or Write)

Description	Determines whether console redirection is enabled when the operating system is loaded.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.SerialComm (Read or Write)

Description	This field controls the Serial Communication options. Monolithics:Auto, Off, On without CR, On with CR via COM1, On with CR via COM2. Blades: Off, On without CR, On with CR.
Legal Values	• Off • OnConRedirAuto • OnNoConRedir • OnConRedirCom1 • OnConRedirCom2 • OnConRedir
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.SerialCommSettings (Read or Write)

Description	This field controls the Serial Communication options.
Legal Values	• N/A

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SerialCommSettings.SerialPortAddress (Read or Write)

Description	This field sets port address for the Serial Devices. (COM1=0x3F8, COM2=0x2F8) Note: Only Serial Device 2 can be used for Serial Over LAN (SOL). To get Console Redirection via SOL, configure the same port address for Console Redirection and Serial Device. Blades: Com1, Com2 Monolithics: Serial1Com1Serial2Com2, Serial1Com2Serial2Com1
Legal Values	• Serial1Com1Serial2Com2 • Serial1Com2Serial2Com1 • Com1 • Com2
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation

This group contains the attributes that provides details about `BIOS.SlotBifurcation`.

BIOS.SlotBifurcation.DellAutoDiscovery (Read or Write)

Description	Allow BIOS to dynamically scan for PCIe devices rather than relying strictly on system slot definitions. The Platform Default setting will strictly follow the system slot definitions when configuring each PCIe slot. The Auto Discovery setting will analyze the installed PCIe cards and determine the correct configuration for each slot. This may include bifurcation of the slot for multiple devices. Manual Control allows the user to override bifurcation settings for each slot. CAUTION: Improper configuration of PCIe slots can prevent the system from functioning properly!
Legal Values	• PlatformDefault • AutoDiscovery • ManualControl
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot1Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When

set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot2Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot3Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4

- x16
- x8
- x4x4x8
- x8x4x4

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot4Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot5Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot6Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot7Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot8Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When

set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot9Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4
- x16
- x8
- x4x4x8
- x8x4x4

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotBifurcation.Slot10Bif (Read or Write)

Description Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.

Legal Values

- Allx16
- Allx8
- Allx4
- x4

- x16
- x8
- x4x4x8
- x8x4x4

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot11Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot12Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.SlotBifurcation.Slot13Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.Slot14Bif (Read or Write)

Description	Controls the bifurcation of PCIe cards installed in the specified slot. When set to default, the slot will operate at the default bifurcation for that slot. When set to x4 All Bifurcation, the slot will bifurcate to either two or four x4 links depending on the slot capability. When set to x8 All Bifurcation the slot will bifurcate to two x8 links. When set to x16 All Bifurcation the slot will bifurcate to x16 links. When set to x4 x4 x8 Bifurcation the slot will bifurcate to two 4 links plus a x8 link When set to x8 x4 x4 Bifurcation the slot will bifurcate x8 link plus two x4 links NOTE: Only bifurcation options that the slot can support will be shown.
Legal Values	• Allx16 • Allx8 • Allx4 • x4 • x16 • x8 • x4x4x8 • x8x4x4
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotBifurcation.SlotBifurcation (Read or Write)

Description	Controls the bifurcation of the specified slot. Only slots that are present on the system will be available for control.
Legal Values	None

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement

To manage the slot disablement settings, use the objects in this group.

BIOS.SlotDisablement.Slot1 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot2 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot3 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot4 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot5 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot

driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values

- Enabled
- Disabled
- BootDriverDisabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotDisablement.Slot6 (Read or Write)

Description Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values

- Enabled
- Disabled
- BootDriverDisabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotDisablement.Slot7 (Read or Write)

Description Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values

- Enabled
- Disabled
- BootDriverDisabled

Default Value Not Applicable

Write Privilege Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot8 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs). **NOTE: If multiple cards from the same manufacturer are managed using the same boot driver, select `BootDriverDisabled` option for all the cards from the same manufacturer so that the Option ROM is not run.**
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot9 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs). **NOTE: If multiple cards from the same manufacturer are managed using the same boot driver, select `BootDriverDisabled` option for all the cards from the same manufacturer so that the Option ROM is not run.**
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot10 (Read or Write)

Description Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result, the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values
- Enabled
- Disabled
- BootDriverDisabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotDisablement.Slot11 (Read or Write)

Description Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result,the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values
- Enabled
- Disabled
- BootDriverDisabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SlotDisablement.Slot12 (Read or Write)

Description Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result,the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot

driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).

Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.Slot13 (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Slot disablement must be used only when the installed peripheral card is preventing booting into the operating system or causing delays or lockups in system startup. When set to Disabled, both the Option ROM and UEFI driver are disabled, the card is not enumerated on the PCI bus, and will not be available to the operating system. When set to Boot Driver Disabled, the Option ROM and UEFI driver from that slot will not run during POST. As a result,the system will not boot from the card, and its pre-boot services will not be available. However, the card is available to the operating system. Note: This option is not available if the slot contains a Dell PowerEdge RAID card (PERC). This option is not available if the slot contains the primary video display adapter. Note: Some PCIe device manufacturers implement a master boot driver that can initialize and manage all the similar devices in the system. In this case, to make sure that the Option ROM and UEFI driver do not run, you must select Boot Driver Disabled for all the cards from the same manufacturer (including its integrated device versions such as NDCs).
Legal Values	• Enabled • Disabled • BootDriverDisabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SlotDisablement.SlotDisablement (Read or Write)

Description	Controls the configuration of PCIe cards installed in the specified slot. Only slots that are present on the system will be available for control.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation

To view information about system configuration, use the objects in this group.

BIOS.SysInformation.SysInformation (Read or Write)

Description	This field displays information which uniquely identifies this system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SysMfrContactInfo (Read or Write)

Description	Indicates the contact information of the Original Equipment Manufacturer (OEM).
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemBiosVersion (Read or Write)

Description	Indicates the current version of the BIOS firmware.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemCpld2Version (Read or Write)

Description	Indicates the current firmware version of CPLD.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemCpldVersion (Read or Write)

Description	Indicates the current firmware version of CPLD.

Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemManufacturer (Read or Write)

Description	Indicates the name of the Original Equipment Manufacturer (OEM).
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemMeVersion (Read or Write)

Description	Indicates the current version of the Management Engine (ME) firmware.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemModelName (Read or Write)

Description	Indicates the product name of the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.SystemServiceTag (Read or Write)

Description	Indicates the Service Tag of a system, a unique identifier assigned by the Original Equipment Manufacturer (OEM).
Legal Values	• N/A
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysInformation.UefiComplianceVersion (Read or Write)

Description	Indicates the UEFI compliance level of the system firmware.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings

To manage the system profile settings, use the objects in this group.

BIOS.SysProfileSettings.ApbDis (Read or Write)

Description	When enabled, a specific hard-fused Data Fabric (SoC) P-state is forced for optimizing workloads sensitive to latency or throughput. When disabled, P-states will be automatically managed by the Application Power Management, allowing the processor to provide maximum performance while remaining within a specified power-delivery and thermal envelope.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.DlwmForcedWidth (Read or Write)

Description	Indicates the forced width of the link width between sockets.
Legal Values	• x2 • x8 • x16
Default Value	x8
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.DynamicLinkWidthManagement (Read or Write)

Description	Dynamic link width management (DLWM) reduces the XGMI link width between sockets from x16 to x8 when no traffic is detected on the link. This feature is optimized to trade power between core and high I/O memory bandwidth workloads. Unforced value enables DLWM to manage the link width.
Legal Values	• Forced • Unforced
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.CollaborativeCpuPerfCtrl (Read or Write)

Description	Allows for collaboration between the operating system and the hardware to dynamically control processor frequency for optimal power efficiency. This feature works only when CPU Power Management is set to System DBPM (DAPC), or Hardware P States. Otherwise, changing this setting does not impact system power or performance. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Disabled for all the other System Profiles.. This setting is only valid if the CPU Power Management is set to DAPC, or HWPM.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.CpuInterconnectBusLinkPower (Read or Write)

Description	When enabled, CPU interconnect bus link power management is enabled
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.DeterminismSlider (Read or Write)

Description	It controls whether BIOS will enable determinism to control performance. Performance - BIOS will enable 100% deterministic performance control. Power - BIOS will not enable deterministic performance control. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Performance Determinism if the System Profile is set to Performance Per Watt (OS) and Performance.
Legal Values	• PerfDeterminism • PowerDeterminism
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.EfficiencyOptimizedMode (Read or Write)

Description	Efficiency Optimized Mode maximizes Performance-per-Watt by opportunistically reducing frequency/power.This field enables/disables Efficiency Optimized Mode.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.EnergyEfficientTurbo (Read or Write)

Description	Energy Efficient Turbo (EET) is a mode of operation where a processor's core frequency is adjusted within the turbo range based on workload. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Enabled if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), orPerformance Per Watt (HWPM). Is set to Disabled if the System Profile is set to Performance, or Dense.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.EnergyPerformanceBias (Read or Write)

Description	The CPU uses the setting to manipulate the internal behavior of the processor and determine whether targeting higher performance or better power savings. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Balanced Performance if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Dense. Is set to Performance if the System Profile is set to Performance. Only applicable on Intel-based platforms.
Legal Values	• MaxPower • BalancedPerformance • BalancedEfficiency • LowPower
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.MemFrequency (Read or Write)

Description	Governs the BIOS memory frequency. The variables that govern maximum memory frequency include the maximum rated frequency of the DIMMs, the DIMMs per channel population, the processor choice, and this BIOS option. Additional power savings can be achieved by reducing the memory frequency, at the expense of reduced performance. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Maximum Performance for all the other System Profiles..
Legal Values	• MaxPerf • 2666MHz • 2600MHz • 2400MHz • 2133MHz • 1866MHz • 1600MHz • 1333MHz • 1067MHz • 800MHz • MaxReliability
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.MemPatrolScrub (Read or Write)

Description	Patrol Scrubbing searches the memory for errors and repairs correctable errors to prevent the accumulation of memory errors. When set to Disabled, no patrol scrubbing will occur. When set to Standard Mode, the entire memory array will be scrubbed once in a 24 hour period. When set to Extended Mode, the entire memory array will be scrubbed more frequently to further increase system reliability. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Standard if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Performance. Is set to Extended if the System Profile is set to Dense.

Legal Values

- Standard
- Extended
- Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.MemPwrMgmt (Read or Write)

Description When set to Enabled, the memory can operate in Power Management Mode. Read-only unless System Profile is set to Custom.

Not supported on 13G+.

Legal Values

- Enabled
- Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.MemRefreshRate (Read or Write)

Description The memory controller will periodically refresh the data in memory. The frequency at which memory is normally refreshed is referred to as 1X refresh rate. When memory modules are operating at a higher than normal temperature or to further increase system reliability, the refresh rate can be set to 2X, but may have a negative impact on memory subsystem performance under some circumstances. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to 1X if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Performance. Is set to 2X if the System Profile is set to Dense.

Legal Values

- 1x
- 2x

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.MemVolt (Read or Write)

Description Sets the DIMM voltage selection. When set to Auto the system will automatically set the system voltage to the optimal setting based upon the DIMM capability and the installed DIMM population. Also enables setting the

system DIMM voltage to a higher (1.5V) setting if the DIMMs support multiple voltages and have been Auto set to a lower voltage. Read-only unless System Profile is set to Custom.

Legal Values
- AutoVolt
- Volt135V
- Volt15V

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.MonitorMwait (Read or Write)

Description Specifies whether Monitor/Mwait instructions are enabled. Monitor/Mwait is only active when C-states is set to Disabled in custom Mode. If the C-States are enabled, and the customer sets Monitor/Mwait to Disabled, Monitor/MWait is changed to Enabled in the next boot. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Enabled for all the other System Profiles.. If the C-States are enabled, and the customer sets this field to Disabled, MonitorMWait is changed to Enabled in the next boot.

Legal Values
- Enabled
- Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.PcieAspmL1 (Read or Write)

Description When enabled, PCIe Advanced State Power Management (ASPM) can reduce overall system power a bit while slightly reducing system performance. NOTE: Some devices may not perform properly (they may hang or cause the system to hang) when ASPM is enabled; for this reason L1 will only be enabled for validated qualified cards.

Legal Values
- Enabled
- Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.PowerSaver (Read or Write)

Description When set to Enabled, maximizes power savings, at the expense of performance. Read-only unless System Profile is set to Custom.

Legal Values
- Enabled
- Disabled

Default Value Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.Proc1TurboCoreNum (Read or Write)

Description	Controls the number of Turbo Boost enabled cores for processor 1. By reducing the number of cores enabled with Turbo Boost, the maximum turbo frequency on the cores with Turbo Boost may be higher. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to All for all the other System Profiles..
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.Proc2TurboCoreNum (Read or Write)

Description	Controls the number of Turbo Boost enabled cores for processor 2. By reducing the number of cores enabled with Turbo Boost, the maximum turbo frequency on the cores with Turbo Boost may be higher. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to All for all the other System Profiles..
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10

- 12
- 14
- 16
- 18
- 20
- 22
- 24
- 26
- 28

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.Proc3TurboCoreNum (Read or Write)

Description	Controls the number of Turbo Boost enabled cores for processor 3. By reducing the number of cores enabled with Turbo Boost, the maximum turbo frequency on the cores with Turbo Boost may be higher. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to All for all the other System Profiles..
Legal Values	• All • 1 • 2 • 4 • 6 • 8 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24 • 26 • 28
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.Proc4TurboCoreNum (Read or Write)

Description

Controls the number of Turbo Boost enabled cores for processor 4. By reducing the number of cores enabled with Turbo Boost, the maximum turbo frequency on the cores with Turbo Boost may be higher. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to All for all the other System Profiles..

Legal Values

- All
- 1
- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 18
- 20
- 22
- 24
- 26
- 28

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.ProcC1E (Read or Write)

Description

When set to Enabled, the processor is allowed to switch to minimum performance state when idle. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Enabled if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Dense. Is set to Disabled if the System Profile is set to Performance.

Legal Values

- Enabled
- Disabled

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.ProcCStates (Read or Write)

Description

C States allow the processor to enter lower power states when idle. When set to Enabled (OS controlled) or when set to Autonomous (if Hardware controlled is supported), the processor can operate in all available Power

States to save power, but may increase memory latency and frequency jitter. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Enabled if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Dense. Is set to Disabled if the System Profile is set to Performance.

Legal Values

- Disabled
- Enabled
- Autonomous

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.ProcPwrPerf (Read or Write)

Description

Allows selection of CPU power management methodology. System DBPM (Demand-based Power Management) utilizes a BIOS-controlled dynamic frequency manipulation scheme to save power across a variety of utilization levels as part of the Dell Advanced Power Control (DAPC) capability. The power saving features of this option typically are greatest at mid-to-lower processor utilization levels. Maximum Performance is typically selected for performance-centric workloads where it is acceptable to consume additional power to achieve the highest possible performance for the computing environment. This mode drives processor frequency to the maximum across all cores (although idled cores can still be frequency reduced by C-state enforcement through BIOS or OS mechanisms if enabled). This mode also offers the lowest latency of the CPU Power Management Mode options, so is always preferred for latency-sensitive environments. OS DBPM is another performance-per-watt option that relies on the operating system to dynamically control individual core frequency. Both Windows and Linux can take advantage of this mode to reduce frequency of idled or underutilized cores in order to save power. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom.

Legal Values

- MaxPerf
- MinPwr
- SysDbpm
- OsDbpm
- HwpDbpm

Default Value Not Applicable

Write Privilege Server Control

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

BIOS.SysProfileSettings.ProcTurboMode (Read or Write)

Description

Governs the Intel Turbo Boost Technology. This feature allows the processor cores to be automatically clocked up in frequency beyond the advertised processor speed. The amount of increased frequency (or 'turbo upside') one can expect from a Xeon processor depends on the processor model, thermal limitations of the operating environment, and in some cases power consumption. In general terms, the fewer cores being exercised with work the higher the potential turbo upside. The potential drawbacks for Turbo Boost are mainly centered on increased power consumption and possible frequency jitter than can affect a small minority of latency-sensitive environments. Read-only unless System Profile is set to Custom.

Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Enabled if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Performance. Is set to Disabled if the System Profile is set to Dense.

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.SysProfile (Read or Write)

Description	Allows optimizing the system for a specific profile, which presets multiple sub-options, or customizing the individual sub-options. When set to a mode other than Custom, BIOS will set each option accordingly. When set to Custom, you can change setting of each sub-option. Performance Per Watt (DAPC) represents an excellent mix of performance balanced with power consumption reduction. Dell Active Power Control (or DAPC) relies on a BIOS-centric power control mechanism which offers excellent power efficiency advantages with minimal performance impact in most environments, and is the CPU Power Management choice for this overall System Profile. Performance-per-watt (OS), otherwise known as 'OS Control', is similar to the DAPC profile for all sub-options except for the CPU Power Management. The power management scheme used for this profile is called 'OS DBPM', which allows the Operating System to manipulate processor frequencies for higher power efficiency. However, the effectiveness of this profile for reducing overall system power consumption is based on how well the Operating System is able to effectively control hardware resources, so the impacts are mixed across all supported Operating Systems Performance profile provides potentially increased performance by maximizing processor frequency and disabling certain power saving features such as C-states. Although not optimal for all environments, this is an excellent starting point for performance optimization baseline comparisons. Dense Configuration enhances reliability features and reduces power consumption at the cost of considerable performance. This profile is targeted for operating environments where enhanced reliability is desired and temperatures may exceed the thresholds encountered in less densely-packed data centers. When set to Dense Configuration mode, Memory Performance is set one speed lower than the Maximum Frequency to improve reliability. Under Custom mode when C states are enabled, Monitor/Mwait must also be enabled. Value-class systems do not support DAPC option.
Legal Values	• PerfPerWattOptimizedOs • PerfPerWattOptimizedDapc • PerfOptimized • Custom • DenseCfgOptimized • PerfOptimizedHwp • PerfWorkStationOptimized
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.SysProfileSettings (Read or Write)

Description	Indicates the fields by using which you can control the System Profile settings.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.SysProfileSettings.UncoreFrequency (Read or Write)

Description	Selects the Processor Uncore Frequency. Dynamic mode allows processor to optimize power resources across the cores and uncore during runtime. The optimization of the uncore frequency to either save power or optimize performance is influenced by the setting of the Energy Efficiency Policy. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Dynamic if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), or Dense. Is set to Maximum if the System Profile is set to Performance. Only applicable on Intel-based platforms.
Legal Values	• DynamicUFS • MaxUFS
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.WorkloadProfile (Read or Write)

Description	Allows optimization of performance based on the workload type. The WorkloadProfile setting is not a 'state'. Setting a workload profile is a one-time action that in turns modifies various BIOS settings to be optimized for the requested workload type. This field is not displayed in the Hii GUI. It can only updated using external tools such as RACADM.
Legal Values	• NotAvailable • HpcProfile • LowLatencyOptimizedProfile • VtOptimizedProfile • VtPerWattOptimizedProfile • DbOptimizedProfile • DbPerWattOptimizedProfile • SdsOptimizedProfile • SdsPerWattOptimizedProfile
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysProfileSettings.WriteDataCrc (Read or Write)

Description	When set to Enabled, DDR4 data bus faults are detected and corrected during 'write' operations. Two additional cycles are required for CRC bit generation which results in performance impact. Read-only unless System Profile is set to Custom. Has a dependency on the System Profile. Can only be set if the System Profile is set to Custom. Is set to Disabled if the System Profile is set to Performance Per Watt (DAPC), Performance Per Watt (OS), Performance Per Watt (HWPM), Performance, or Dense. This feature is available on Broadwell processors only.

Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity

To manage the system security properties of the BIOS, use the objects in this group.

NOTE: After modifying the IntelTxt attribute value, the pending flag is enabled for the dependent attributes such as TpmActivation, TpmClear, and TpmSecurity.

BIOS.SysSecurity.AcPwrRcvry (Read or Write)

Description	Specifies how the system reacts after AC power has been restored to the system. It is especially useful when systems are turned off with a power strip. When set to Off, the system stays off after AC power is restored. When set to On, the system turns on after AC power is restored. When set to Last, the system turns on if the system was on at the moment when AC power was lost. The system will remain off if the system was turned off when AC power was lost. In case of an ungraceful shutdown, the system always turns on.
Legal Values	• On • Off • Last
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.AcPwrRcvryDelay (Read or Write)

Description	Allows staggering of power up after AC power is restored to the system. When set to Immediate, there is no delay for power-up. When set to Random, the system creates a random delay for power-up. When set to User Defined, the system delays power-up by that amount. The system supported user defined power-up delay is defined by the User Defined Delay field. Not supported on blades.
Legal Values	• Immediate • User • Random
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.AcPwrRcvryUserDelay (Read or Write)

Description	Controls the duration for which the power-on process is delayed after the AC power supply is restored. The value is only effective if AC Power Recovery Delay is set to User Defined. The valid range is between 60s and 240s. Not supported on blades.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.AesNi (Read or Write)

Description	Indicates the status of the Intel Processor AES-NI feature. AES-NI improves the speed of applications by performing encryption and decryption using the Advanced Encryption Standard Instruction Set.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.AuthorizeDeviceFirmware (Read or Write)

Description	When set to Enabled, this field adds the SHA-256 hash of each third-party device firmware to the Secure Boot Authorized Signature Database. After the hashes are added, the field automatically reverts to Disabled. Note: This field is read-only unless Secure Boot is Enabled and Secure Boot Policy is Custom. This field is available only in secure system management consoles.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.BiosUpdateControl (Read or Write)

Description	When set to Unlocked, all BIOS update will be allowed. When set to Limited, local BIOS updates from DOS or UEFI shell based flash utilities, or from Lifecycle Controller User Interface are prohibited. Limited is recommended for environments that do not require local BIOS updates. These environments include Remote Enablement Update or executing Update Package from the OS.
Legal Values	• Unlocked • Limited

- Locked

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.BootmanagerPassword (Read or Write)

Description	Bootmanager password option is available only when Setup Password is enabled. If set to Always, setup password must be entered for accessing Boot Manager. If set to Never, setup password need not be entered for accessing Boot Manager, One-shot UEFI Boot Menu.
Legal Values	• Always • Never
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.InBandManageabilityInterface (Read or Write)

Description	When set to Disabled, this setting will hide the Management Engine's (ME) HECI devices and the system's IPMI devices from the operating system. This prevents the operating system from changing the ME power capping settings, and blocks access too all in-band management tools. All management must be managed via out-of-band. Note: BIOS update requires HECI devices to be operational and DUP updates require IPMI interface to be operational. This setting needs to be set to Enabled to avoid update errors. Note: ePSA requires the IPMI interface to be functional for certain features. Disabling this setting will also cause ePSA to not be fuly functional.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.IntelSgx (Read or Write)

Description	Allows enabling or disabling of the Intel Software Guard Extension (SGX) Technology. When set to Off, BIOS disables the SGX technology. When set to On, BIOS enables the SGX technology. When set to Software, allows application to enable the SGX technology.
Legal Values	• Off • On • Software
Default Value	Not Applicable
Write Privilege	Server Control

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.IntelTxt (Read or Write)

Description	Allows enabling or disabling of the Intel Trusted Execution Technology (TXT). To enable Intel TXT, Virtualization Technology must be enabled, TPM Security must be set to On with Pre-boot Measurements, and TPM Status must be Enabled, Activated. When using TPM2, the hash algorithm must be set to SHA256. **NOTE: When the IntelTxt value is set to 'on', then the following values are set: TpmActivation=NoChange (Pending Value=NoChange), TpmClear=No (Pending Value=No), TpmSecurity=OnPbm (Pending Value=OnPbm).**
Legal Values	• On • Off
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.NewSysPassword (Read or Write)

Description	NA
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.NmiButton (Read or Write)

Description	Allows enabling or disabling of the NMI button on the front panel. Not supported on blades.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.OldSysPassword (Read or Write)

Description	NA
Legal Values	• N/A

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.PasswordStatus (Read or Write)

Description	When set to Unlocked the system password can be changed without entering the setup password. This allows an administrator to maintain a setup password to protect against unauthorized BIOS Setup changes, while a user can freely change the system password. When set to Locked, the setup password must be entered to change the system password. To prevent the system password from being modified without providing the setup password, set this option to Locked and enable the setup password.
Legal Values	• Locked • Unlocked
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.PwrButton (Read or Write)

Description	Allows enabling or disabling of the power button on the front panel.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SecureBoot (Read or Write)

Description

Allows enabling of Secure Boot, where the BIOS authenticates each component that is executed during the boot process using the certificates in the Secure Boot Policy. The following components are validated in the boot process: - UEFI drivers that are loaded from PCIe cards - UEFI drivers and executables from mass storage devices - Operating system boot loaders Note: Secure Boot is not available unless the Boot Mode (in the Boot Settings menu) is set to UEFI. Note: Secure Boot is not available unless the Load Legacy Video Option ROM setting (in the Miscellaneous Settings menu) is disabled. Note: You should create a setup password if you enable Secure Boot.

When the value of SecureBootMode is DeployedMode AND the value of SecureBoot is Enabled, BIOS will append a ProgReadOnlyLocal modifier to SecureBoot, SecureBootPolicy, and SecureBootMode. This means that inband system management tools will not allow users to change these attributes when these conditions are true.

NOTE: **`BiosBootSettings.Bootmode` must be set to `UEFI` and `MiscSettings.ForceInt10` must be `Disabled` to operate this property.**

NOTE: **This attribute cannot be disabled by using the Local RACADM.**

Legal Values

- Enabled
- Disabled

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SecureBootMode (Read or Write)

Description

This field configures how the BIOS uses the Secure Boot Policy Objects (PK, KEK, db, dbx). In Setup Mode and Audit Mode, PK is not present, and BIOS does not authenticate programmatic updates to the policy objects. In User Mode and Deployed Mode, PK is present, and BIOS performs signature verification on programmatic attempts to update policy objects. Deployed Mode is the most secure mode. Use Setup, Audit, or User Mode when provisioning the system, then use Deployed Mode for normal operation. Available mode transitions depend on the current mode and PK presence. Refer to Figure 77 in the UEFI 2.6 specification for more information on transitions between the four modes. In Audit Mode, the BIOS performs signature verification on pre-boot images and logs results in the Image Execution Information Table, but executes the images whether they pass or fail verification. Audit Mode is useful for programmatically determining a working set of policy objects.

When the value of SecureBootMode is DeployedMode AND the value of SecureBoot is Enabled, BIOS will append a ProgReadOnlyLocal modifier to SecureBoot, SecureBootPolicy, and SecureBootMode. This means that inband system management tools will not allow users to change these attributes when these conditions are true. This attribute is always read-write in BIOS Setup and in out-of-band system management tools.

Legal Values

- SetupMode
- UserMode
- AuditMode
- DeployedMode

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SecureBootPolicy (Read or Write)

Description

Allows selecting the Secure Boot Policy. When set to Standard, the BIOS uses the key and certificates from the system manufacturer to authenticate pre-boot images. When set to Custom, the BIOS uses the user-customized key and certificates. Note: If Custom mode is selected, the Secure Boot Custom Policy Settings menu is displayed. Note: Changing the default security certificates may cause the system to fail booting from certain boot options.

When the value of SecureBootMode is DeployedMode AND the value of SecureBoot is Enabled, BIOS will append a ProgReadOnlyLocal modifier to SecureBoot, SecureBootPolicy, and SecureBootMode. This means that inband system management tools will not allow users to change these attributes when these conditions are true.

Legal Values

- Standard
- Custom

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SetupPassword (Read or Write)

Description	The setup password is the password that must be entered to change any BIOS settings. However, the system password can be changed without entering the correct setup password if Password Status is set to Unlocked. The password is read-only if the password jumper (PWRD_EN) is not installed in the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SHA256SetupPassword (Read or Write)

Description	SHA256 hash of the setup password.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SHA256SetupPasswordSalt (Read or Write)

Description	Salt for hash of the setup password.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SHA256SystemPassword (Read or Write)

Description	SHA256 hash of the system password.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SHA256SystemPasswordSalt (Read or Write)

Description	Salt for hash of the system password.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SignedFirmwareUpdate (Read or Write)

Description	When set to Enabled, this option supports the signed BIOS update feature. Warning! Once enabled, this option cannot be disabled. Note: When change the item from disabled to enabled, there will pup-up a Warning message: WARNING: This option enables the signed BIOS update feature. Once enabled, the BIOS will no longer support rollbacks to an unsigned image.
Legal Values	• Enabled • Disabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SysPassword (Read or Write)

Description	The system password is the password that must be entered to allow the system to boot to an operating system. The password is read-only if the password jumper (PWRD_EN) is not installed in the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.SysSecurity (Read or Write)

Description	Controls the security features of the system.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TcmActivation (Read or Write)

Description	Indicates the operational state of the Trusted Cryptography Module (TCM). When set to Activate, the TCM will be enabled and activated. When set to Deactivate, the TCM will be disabled and deactivated. When set to No Change, the operational state of the TCM remains unaltered. This field is read-only when TCM Security is set to Off.
Legal Values	• NoChange • Activate • Deactivate
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TcmClear (Read or Write)

Description	WARNING: Clearing the Trusted Cryptography Module (TCM) will clear all keys in the TCM. This could affect booting to the Operating System (OS). When set to Yes, all the contents of the TCM will be cleared. This field is Read-Only when TCM Security is set to Off.
Legal Values	• Yes • No
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TcmSecurity (Read or Write)

Description	Controls the reporting of the Trusted Cryptography Module (TCM) in the system. When set to Off, presence of the TCM is not reported to the Operating System (OS). When set to On, presence of the TCM is reported to the OS.
Legal Values	• Off • On
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.Tpm2Hierarchy (Read or Write)

Description	Allows enabling, disabling, or clearing the storage and endorsement hierarchies. When set to Enabled, the storage and endorsement hierarchies can be used. When set to Disabled, the storage and endorsement hierarchies cannot be used. When set to Clear, the storage and endorsement hierarchies are cleared of any values, and then reset to Enabled. Requires TPM2 hardware to be installed and TPM Security set to On.

Legal Values	• Enabled • Disabled • Clear
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmActivation (Read or Write)

Description	This field allows changing the operational state of the Trusted Platform Module (TPM). When set to Activate, the TPM will be enabled and activated. When set to Deactivate, the TPM will be disabled and deactivated. When set to No Change, the operational state of the TPM remains unaltered. This field is Read-Only when TPM Security is set to Off.
Legal Values	• NoChange • Activate • Deactivate
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmClear (Read or Write)

Description	WARNING: Clearing the Trusted Platform Module (TPM) will cause loss of all keys in the TPM. This could affect booting to the Operating System (OS). When set to Yes, all the contents of the TPM will be cleared. This field is read-only when TPM Security is set to Off.
Legal Values	• Yes • No
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmCommand (Read or Write)

Description	Controls the Trusted Platform Module (TPM). When set to None, no command is sent to the TPM. When set to Activate, the TPM will be enabled and activated. When set to Deactivate, the TPM will be disabled and deactivated. When set to Clear, all the contents of the TPM will be cleared. WARNING: Clearing the TPM will result in losing all keys in the TPM. This could affect booting to the OS. This field is read-only when TPM Security is set to Off. The action requires an additional reboot before it can take effect.
Legal Values	• None • Activate • Deactivate • Clear
Default Value	Not Applicable

Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmFirmware (Read or Write)

Description	Indicates the firmware version of the Trusted Platform Module (TPM).
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmInfo (Read or Write)

Description	Indicates the type of Trusted Platform Module, if present.
Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmSecurity (Read or Write)

Description	Controls the reporting of the Trusted Platform Module (TPM) in the system. When set to Off, presence of the TPM is not reported to the Operating System (OS). When set to On with Pre-boot Measurements, BIOS will store Trusted Computing Group (TCG) compliant measurements to the TPM during POST. When set to On without Pre-boot Measurements, BIOS will bypass most pre-boot measurements. When set to On, presence of the TPM is reported to the OS and available for use. TPM 1.2 hardware - Off, OnPbm, OnNoPbm TPM 2.0 hardware - Off, On
Legal Values	• Off • OnPbm • OnNoPbm • On
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.TpmStatus (Read or Write)

Description	Displays the current status of the Trusted Platform Module (TPM), and is applicable only for TPM 1.2. If the TPM is not present or TPM Security is set to Off, the value is set to Unknown.
Legal Values	• N/A

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.SysSecurity.UefiVariableAccess (Read or Write)

Description	Provides varying degrees of securing UEFI variables. When set to Standard, UEFI variables are accessible and can be modified in the Operating System (OS) per the UEFI specification. When set to Controlled, select UEFI variables are protected and cannot be modified in an OS environment. New UEFI boot entries are forced to be at the end of the current boot order.
Legal Values	• Standard • Controlled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.TpmAdvancedSettings

This group contains the attributes that provides details about `BIOS.TpmAdvancedSettings`.

BIOS.TpmAdvancedSettings.Tpm2Algorithm (Read or Write)

Description	Allows the user to change the cryptographic algorithms used in the Trusted Platform Module (TPM). The available options are dependent on the TPM firmware. To enable TPM2 Algorithm Selection, Intel(R) TXT technology must be disabled. To enable TPM2 Algorithm Selection, Intel(R) TXT technology must be disabled.
Legal Values	• SHA1 • SHA256 • SHA384 • SHA512 • SM3
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.TpmAdvancedSettings.TpmPpiBypassClear (Read or Write)

Description	When set to Enabled, allows the Operating System to bypass Physical Presence Interface (PPI) prompts when issuing PPI Advanced Configuration and Power Interface (ACPI) clear operations.

Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.TpmAdvancedSettings.TpmPpiBypassProvision (Read or Write)

Description	When set to Enabled, allows the Operating System to bypass Physical Presence Interface (PPI) prompts when issuing PPI Advanced Configuration and Power Interface (ACPI) provisioning operations.
Legal Values	• Disabled • Enabled
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSeqEnDis

This group contains the attributes that provides details about `BIOS.UefiBootSeqEnDis`.

BIOS.UefiBootSeqEnDis.UefiBootSeqEnDis (Read or Write)

Description	This field allows a boot option to be enabled or disabled. When disabled, the device will be skipped in the boot sequence when booting to the OS.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings

This group contains the attributes that provides details about `BIOS.UefiBootSettings`.

BIOS.UefiBootSettings.UefiBootSeq (Read or Write)

Description	This field controls the UEFI boot order. The first option in the list will be attempted first, and if unsuccessful, the second option will be attempted and so on. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.

Legal Values	None
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis1 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis2 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis3 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis4 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis5 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis6 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis7 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis8 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis9 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis10 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis11 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis12 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis13 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis14 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis15 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis16 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis17 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis18 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis19 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSeqEnDis20 (Read or Write)

Description	This field enables or disables this boot option in the UEFI Boot Sequence. The system will attempt to launch enabled boot options only; it will not launch disabled boot options. This field applies only when Boot Mode is 'UEFI'; it has no effect when Boot Mode is 'BIOS'.
Legal Values	• true • false
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiBootSettings (Read or Write)

Description	This field controls system boot settings when Boot Mode is set to 'UEFI'. This field has no effect when Boot Mode is set to 'BIOS'.
Legal Values	• N/A
Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

BIOS.UefiBootSettings.UefiPxeIpVersion (Read or Write)

Description	This field enables you to select IPv4 PXE booting (default) or IPv6 PXE booting when in 'UEFI' Boot Mode. This field is disabled in 'BIOS' Boot Mode. Changing this field will cause the PXE options in the UEFI Boot Sequence to be replaced on the next reboot.
Legal Values	• IPv4 • IPv6

Default Value	Not Applicable
Write Privilege	Server Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

3

FC Attributes

This section provides details about the FC attribute groups and objects.

Topics:

- FC.FCDevice
- FC.FCTarget
- FC.HBAConfig
- FC.NVMeTarget
- FC.PortConfig
- FC.Top

FC.FCDevice

The following section provides information about the objects in the `FC.FCDevice` group.

FC.FCDevice.BusDeviceFunction (Read Only)

Description	Indicates the enumerated PCI Bus, Device, and Function value as a single string.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCDevice.ChipMdl (Read Only)

Description	Indicates the PCI configuration space information.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCDevice.EFIVersion (Read Only)

Description	Indicates the version of the EFI device driver.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	Not Applicable

FC.FCDevice.FamilyVersion (Read Only)

Description	Indicates the firmwareâ€™s family version.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCDevice.PCIDeviceID (Read Only)

Description	Indicates the device ID present in the PCI configuration space.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCTarget

The following section provides information about the objects in the `FC.FCTarget` group.

FC.FCTarget.BootScanSelection (Read or Write)

Description	Specifies the adapter initiator behavior for booting the system from specified Fibre Channel boot target(s) or fabric discovered target(s)
Legal Values	• Disabled • SpecifiedLUN • FirstLUN • FirstLUN0 • FirstNOTLUN0 • FabricDiscovered
Default Value	Disabled
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCTarget.FirstFCTargetLUN (Read or Write)

Description	Specifies the LUN (Logical Unit Number) of the first Fibre Channel boot target
Legal Values	None
Default Value	None

Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCTarget.FirstFCTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the first Fibre Channel boot target
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCTarget.SecondFCTargetLUN (Read or Write)

Description	Specifies the LUN (Logical Unit Number) of the second Fibre Channel boot target
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.FCTarget.SecondFCTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the second Fibre Channel boot target
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig

The following section provides information about the objects in the `FC.HBAConfig` group.

FC.HBAConfig.FabricLoginRetryCount (Read or Write)

Description	Specifies the number of times the initiator will attempt to login to devices on the Storage Area Network
Legal Values	None
Default Value	3
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	Not Applicable

FC.HBAConfig.FabricLoginTimeout (Read or Write)

Description	Specifies the time in milliseconds that the initiator waits before it tries to login to the Fibre Channel Storage Area Network Fabric again
Legal Values	None
Default Value	3000
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.FCTape (Read or Write)

Description	Specifies the state of Fibre Channel Tape support
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.FramePayloadSize (Read or Write)

Description	Specifies the maximum Fibre Channel frame payload size in bytes
Legal Values	• Auto • 512 • 1024 • 2048 • 2112
Default Value	Auto
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.HardZone (Read or Write)

Description	Specifies the state of Fibre Channel hard zoning
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	Not Applicable

FC.HBAConfig.HardZoneAddress (Read or Write)

Description	Specifies the Hard Zone address to be used if Fibre Channel hard zoning is enabled
Legal Values	None
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.LinkDownTimeout (Read or Write)

Description	Specifies the number of milliseconds the Fibre Channel uplink port can be offline before the system is notified that the SAN fabric connectivity is lost and the uplink port is marked as being down
Legal Values	None
Default Value	3000
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.LoopResetDelay (Read or Write)

Description	Specifies the Fibre Channel Arbitrated Loop Reset Delay for the port. After resetting the loop, the adapter firmware refrains from initiating any loop activity for the number of seconds specified in this setting
Legal Values	None
Default Value	5
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.PortDownRetryCount (Read or Write)

Description	Specifies the number of times the Fibre Channel uplink port will try reconnecting to a target port before the port is marked as being down
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.PortDownTimeout (Read or Write)

Description	Specifies the timeout in milliseconds that the Fibre Channel uplink port will wait before trying to reconnect to a target device port before the port is marked as down
Legal Values	None
Default Value	3000
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.PortLoginRetryCount (Read or Write)

Description	Specifies the number of times the adapter firmware initiator will try logging into a target device port
Legal Values	None
Default Value	3
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.HBAConfig.PortLoginTimeout (Read or Write)

Description	Specifies the timeout in milliseconds that the initiator uses when attempting to login to the target device port
Legal Values	None
Default Value	3000
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget

The following section provides information about the objects in the `FC.NVMeTarget` group.

FC.NVMeTarget.EighthNVMeTargetNQN (Read or Write)

Description	PCI Device ID as presented by the device in PCI configuration space
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.EighthNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the eighth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.EighthNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the eighth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.EighthNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the eighth NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.EighthNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the eighth NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.EighthNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the eighth NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTargetNQN (Read or Write)

Description	Specifies the fifth target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the fifth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the fifth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the fifth NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the fifth NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FifthNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the fifth NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTargetNQN (Read or Write)

Description	Specifies the first target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the first NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the first NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the first NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the first NVME target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FirstNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the first NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTargetNQN (Read or Write)

Description	Specifies the fourth target's NVMe Qualified Name
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the fourth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the fourth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the fourth NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the fourth NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	Not Applicable

FC.NVMeTarget.FourthNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the fourth NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetCntlrID (Read or Write)

Description	Specifies the Controller ID of the second NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetConn (Read or Write)

Description	Setting to enable whether connection to the second NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetNQN (Read or Write)

Description	Specifies the second target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetNSID (Read or Write)

Description	Specifies the Namespace ID of the second NVMe boot target to access
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the second NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SecondNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the second NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTargetNQN (Read or Write)

Description	Specifies the seventh target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the seventh NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the seventh NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the seventh NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the seventh NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SeventhNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the seventh NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTargetNQN (Read or Write)

Description	Specifies the sixth target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the sixth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the sixth NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the sixth NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the sixth NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.SixthNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the sixth NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTargetNQN (Read or Write)

Description	Specifies the third target's NVMe Qualified Name
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTargetWWNN (Read or Write)

Description	Specifies the World Wide Node Name of the third NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTargetWWPN (Read or Write)

Description	Specifies the World Wide Port Name of the third NVMe boot target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTgtCntlrID (Read or Write)

Description	Specifies the Controller ID of the third NVMe boot target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTgtConn (Read or Write)

Description	Setting to enable whether connection to the third NVMe Target is attempted
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.NVMeTarget.ThirdNVMeTgtNSID (Read or Write)

Description	Specifies the Namespace ID of the third NVMe boot target to access.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig

The following section provides information about the objects in the `FC.PortConfig` group.

FC.PortConfig.DeviceName (Read Only)

Description	EFI device driver version information. Vendor defined string value
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.FCDevice (Read Only)

Description	View device and firmware version information
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.FCTarget (Read Only)

Description	Enable connection and configure boot and communication parameters for the Fibre Channel boot target(s)
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.HBAConfig (Read Only)

Description	Configure advanced settings for adapter and port
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.PortNumber (Read Only)

Description	The Fibre Channel Host Bus Adapter port number as labeled externally on the adapter.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.PortSpeed (Read or Write)

Description	Specifies the data rate of the Fibre Channel Host Bus Adapter port. Value can be Automatic or specified in Gbps.
Legal Values	• Auto • 1G • 2G • 4G • 8G • 16G • 32G
Default Value	Auto
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.VirtualWWN (Read or Write)

Description	Virtual Fibre Channel World Wide Node Name is used instead of the permanent World Wide Node Name when its value is different
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.VirtualWWPN (Read or Write)

Description	Virtual Fibre Channel World Wide Port Name of the port is used instead of the permanent World Wide Port Name when its value is different
Legal Values	None
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.WWN (Read Only)

Description	Permanent Fibre Channel World Wide Node Name assigned during manufacturing.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.PortConfig.WWPN (Read Only)

Description	Permanent Fibre Channel World Wide Port Name assigned to the port during manufacturing
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.Top

The following section provides information about the objects in the `FC.Top` group.

FC.Top.PortConfig (Read Only)

Description	View and configure Fibre Channel Host Bus Adapter information and settings for the adapter and port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

FC.Top.VndrFormSet (Read Only)

Description	View and configure vendor form set title.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Not Applicable

4

iDRAC Attributes

This section provides details about the iDRAC attribute groups and objects.

Topics:

- iDRAC.ActiveDirectory
- iDRAC.ADGroup
- iDRAC.ASRConfig
- iDRAC.Autodiscovery
- iDRAC.AutoOSLockGroup
- iDRAC.CurrentIPV4
- iDRAC.CurrentIPV6
- iDRAC.CurrentNIC
- iDRAC.DefaultCredentialMitigationConfigGroup
- iDRAC.EmailAlert
- iDRAC.GroupManager
- iDRAC.GUISecurityPolicyMessage
- iDRAC.Info
- iDRAC.IntegratedDatacenter
- iDRac.IOIDOpt
- iDRAC.IPBlocking
- iDRAC.IPMILan
- iDRAC.IPMISerial
- iDRAC.IPMISOL
- iDRAC.IPv4
- iDRAC.IPV4Static
- iDRAC.IPV6
- iDRAC.IPv6Static
- iDRAC.IPv6URL
- iDRAC.KMS
- iDRAC.LDAP
- iDRAC.LDAPRoleGroup
- iDRAC.LocalSecurity
- iDRAC.Lockdown
- iDRAC.Logging
- iDRAC.NIC
- iDRAC.NICStatic
- iDRAC.NTPConfigGroup
- iDRAC.OS-BMC
- iDRAC.PCIeVDM
- iDRAC.Platformcapability
- iDRAC.RACADM
- iDRAC.Redfish
- iDRAC.RedfishEventing
- iDRAC.RemoteHosts
- iDRAC.RFS
- iDRAC.SCEP
- iDRAC.SecureDefaultPassword
- iDRAC.Security
- iDRAC.SecurityCertificate
- iDRAC.SEKM

- iDRAC.SEKMCert
- iDRAC.Serial
- iDRAC.SerialCapture
- iDRAC.SerialRedirection
- iDRAC.ServerBoot
- iDRAC.ServiceModule
- iDRAC.Smartcard
- iDRAC.SNMP
- iDRAC.SNMPAlert
- iDRAC.SNMPTRAPIPv4
- iDRAC.SNMPTRAPIPv6
- iDRAC.SSH
- iDRAC.SSHCrypto
- iDRAC.SupportAssist
- iDRAC.SwitchConnectionView
- iDRAC.SysInfo
- iDRAC.Syslog
- iDRAC.Telemetry
- iDRAC.TelemetryAggregationMetrics
- iDRAC.TelemetryCPUMemMetrics
- iDRAC.TelemetryCPURegisters
- iDRAC.TelemetryCPUSensor
- iDRAC.TelemetryCUPS
- iDRAC.TelemetryFanSensor
- iDRAC.TelemetryFCSensor
- iDRAC.TelemetryFPGASensor
- iDRAC.TelemetryGPUMetrics
- iDRAC.TelemetryGPUStatistics
- iDRAC.TelemetryMemorySensor
- iDRAC.TelemetryNICSensor
- iDRAC.TelemetryNICStatistics
- iDRAC.TelemetryNVMeSMARTData
- iDRAC.TelemetryPowerMetrics
- iDRAC.TelemetryPowerStatistics
- iDRAC.TelemetryPSUMetrics
- iDRAC.TelemetrySensor
- iDRAC.TelemetrySerialLog
- iDRAC.TelemetryStorageDiskSMARTData
- iDRAC.TelemetryStorageSensor
- iDRAC.TelemetryThermalMetrics
- iDRAC.TelemetryThermalSensor
- iDRAC.Telnet
- iDRAC.Time
- iDRAC.Update
- iDRAC.USB
- iDRAC.Userdomain
- iDRAC.Users
- iDRAC.vFlashPartition
- iDRAC.vFlashSD
- iDRAC.VirtualConsole
- iDRAC.VirtualMedia
- iDRC.VNCServer
- iDRAC.WebServer

iDRAC.ActiveDirectory

This group contains the attributes that provides details about ActiveDirectory.

iDRAC.ActiveDirectory.AuthTimeout (Read or Write)

Description	Specifies the number of seconds to wait for Active Directory authentication requests to complete before timing out.
Legal Values	• Integral values from 15 to 300
Default Value	120
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.CertValidationEnable (Read or Write)

Description	Enables or disables Active Directory certificate validation as a part of the Active Directory configuration process.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.DCLookupByUserDomain (Read or Write)

Description	Chooses the way the user domain is looked up for Active Directory.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	Cannot be Disabled unless DC Lookup Domain Name is set

iDRAC.ActiveDirectory.DCLookupDomainName (Read or Write)

Description	This is the configured search domain to use when DCLookupByUserDomain is disabled
Legal Values	• String of up to 254 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.DCLookupEnable (Read or Write)

Description	Configures iDRAC to use pre-configured domain controllers or to use DNS to find the domain controller.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.DomainController1 (Read or Write)

Description	Specifies the LDAP server from which you want the iDRAC to obtain user names
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.DomainController2 (Read or Write)

Description	Specifies the LDAP server from which you want the iDRAC to obtain user names
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.DomainController3 (Read or Write)

Description	Specifies the LDAP server from which you want the iDRAC to obtain user names
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.Enable (Read or Write)

Description	Enables or disables Active Directory user authentication on iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.GCLookupEnable (Read or Write)

Description	Determines how the global catalog server is looked up.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.GCRootDomain (Read or Write)

Description	The name of the Active Directory root domain used for DNS look up, to locate Global Catalog servers.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.GlobalCatalog1 (Read or Write)

Description	Specifies the Global Catalog server from which you want the iDRAC to obtain user names.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.GlobalCatalog2 (Read or Write)

Description	Specifies the Global Catalog server from which you want the iDRAC to obtain user names.

Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.GlobalCatalog3 (Read or Write)

Description	Specifies the Global Catalog server from which you want the iDRAC to obtain user names.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.RacDomain (Read or Write)

Description	Active Directory Domain in which iDRAC resides.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.RacName (Read or Write)

Description	Name of iDRAC as recorded in the Active Directory forest.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ActiveDirectory.Schema (Read or Write)

Description	Determines the schema type to use with Active Directory.
Legal Values	• Extended Schema-1 • Standard Schema-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise

Dependancy	None

iDRAC.ActiveDirectory.SSOEnable (Read or Write)

Description	Enables or disables Active Directory single sign-on authentication on iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	Cannot be Enabled unless SmartCard Logon Enable is Disabled

iDRAC.ADGroup

This group contains the attributes that provides details about ADGroup.

iDRAC.ADGroup.Domain (Read or Write)

Description	Active Directory Domain in which the Role Group resides.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ADGroup.Name (Read or Write)

Description	Name of the Role Group as recorded in the Active Directory forest.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ADGroup.Privilege (Read or Write)

Description	Role-based authority privileges for a Role Group
Legal Values	• Integral values from 0 to 511
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.ASRConfig

This group contains the attributes that provides details about ASR configuration.

iDRAC.ASRConfig.Enable (Read or Write)

Description	Status of ASR Config
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Autodiscovery

This group contains the attributes that provides details about `iDRAC.Autodiscovery`.

iDRAC.Autodiscovery.EnableIPChangeAnnounce (Read or Write)

Description	Enable Auto Discovery to allow 1:many consoles to discover iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Autodiscovery.EnableIPChangeAnnounceFromDHCP (Read or Write)

Description	Enable iDRAC to obtain list of consoles through DHCP.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Autodiscovery.EnableIPChangeAnnounceFrommDNS (Read or Write)

Description	Enable iDRAC to obtain list of consoles through mDNS
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Autodiscovery.EnableIPChangeAnnounceFromUnicastDNS (Read or Write)

Description	Enable iDRAC to obtain list of consoles through unicast DNS.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Autodiscovery.UnsolicitedIPChangeAnnounceRate (Read or Write)

Description	Rate of periodic refresh of IP address to consoles
Legal Values	• Disabled-0 • 1 hour-1 • 6 hours-2 • 12 hours-3 • 1 day-4 • 3 days-5 • 1 week-6 • 2 weeks-7 • 4 weeks-8 • 6 weeks-9
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.AutoOSLockGroup

This group contains the attributes that provides details about Auto OS lock group.

NOTE: TheiDRAC.AutoOSLock command is deprecated and replaced with iDRAC.AutoOSLockGroup command.

iDRAC.AutoOSLockGroup.AutoOSLockState (Read or Write)

Description	Enable Auto OS Lock State
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPV4

This group contains the attributes that provides details about `iDRAC.CurrentIPV4`.

iDRAC.CurrentIPv4.Address (Read Only)

Description	The current IPv4 address assigned to the iDRAC
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.DHCPEnable (Read Only)

Description	Specifies if DHCP is used to assign the iDRAC IPv4 address
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.DNS1 (Read Only)

Description	IPv4 address for DNS server 1

Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.DNS2 (Read Only)

Description	IPv4 address for DNS Server 2
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.DNSFromDHCP (Read Only)

Description	Specifies if the DNS server IPv4 addresses should be assigned from the DHCP server on the network.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.DupAddrDetected (Read Only)

Description	The current IPv4 address assigned to the iDRAC
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.Enable (Read Only)

Description	Enables or Disables the iDRAC IPv4 stack
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.Gateway (Read Only)

Description	The gateway for the iDRAC IPv4 address
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv4.Netmask (Read Only)

Description	The subnet mask used for the iDRAC IPv4 address
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPV6

This group contains the attributes that provides details about current IPv6 settings.

iDRAC.CurrentIPv6.Address1 (Read Only)

Description	iDRAC IPv6 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address2 (Read Only)

Description	iDRAC IPv6 second address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.CurrentIPv6.Address3 (Read Only)

Description	iDRAC IPv6 third address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address4 (Read Only)

Description	iDRAC IPv6 fourth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address5 (Read Only)

Description	iDRAC IPv6 fifth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address6 (Read Only)

Description	iDRAC IPv6 sixth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address7 (Read Only)

Description	iDRAC IPv6 seventh address

Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address8 (Read Only)

Description	iDRAC IPv6 eighth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address9 (Read Only)

Description	iDRAC IPv6 ninth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address10 (Read Only)

Description	iDRAC IPv6 tenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address11 (Read Only)

Description	iDRAC IPv6 eleventh address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.CurrentIPv6.Address12 (Read Only)

Description	iDRAC IPv6 twelfth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address13 (Read Only)

Description	iDRAC IPv6 thirteenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address14 (Read Only)

Description	iDRAC IPv6 fourteenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Address15 (Read Only)

Description	iDRAC IPv6 fifteenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.AutoConfig (Read Only)

Description	Enables or Disables the iDRAC IPv6 auto configuration option

Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.DHCPv6Address (Read Only)

Description	Specifies the iDRAC DHCPv6 Address.
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.DNS1 (Read Only)

Description	IPv6 DNS Server 1 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.DNS2 (Read Only)

Description	IPv6 DNS Server 2 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.DNSFromDHCP6 (Read Only)

Description	Specifies if the DNS Server addresses are obtained from DHCP or not
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.DUID (Read Only)

Description	DHCP Unique Identifier
Legal Values	• String of up to 144 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Enable (Read Only)

Description	Enables or Disables iDRAC IPv6 stack
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.Gateway (Read Only)

Description	iDRAC IPv6 Gateway
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.IPV6NumOfExtAddress (Read Only)

Description	Total number of extended IP
Legal Values	• Integral values from 0 to 255
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.LinkLocalAddress (Read Only)

Description	iDRAC IPv6 Link Local Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentIPv6.PrefixLength (Read Only)

Description	Prefix length for the iDRAC IPv6 Address
Legal Values	• Integral values from 1 to 128
Default Value	64
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC

This group contains the attributes that provide details about current NIC.

iDRAC.CurrentNIC.ActiveNIC (Read Only)

Description	Currently Active iDRAC network interface
Legal Values	• None-0 • Dedicated-1 • LOM1-2 • LOM2-3 • LOM3-4 • LOM4-5 • LOM5-6 • LOM6-7 • LOM7-8 • LOM8-9 • LOM9-10 • LOM10-11 • LOM11-12 • LOM12-13 • LOM13-14 • LOM14-15 • LOM15-16 • LOM16-17
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.CurrentNIC.ActiveSharedLOM (Read Only)

Description	Currently Active iDRAC shared network interface
Legal Values	• None-0 • LOM1-1 • LOM2-2 • LOM3-3 • LOM4-4 • LOM5-5 • LOM6-6 • LOM7-7 • LOM8-8 • LOM9-9 • LOM10-10 • LOM11-11 • LOM12-12 • LOM13-13 • LOM14-14 • LOM15-15 • LOM16-16
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.AutoDetect (Read Only)

Description	Enable or disable auto detection feature of iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Autoneg (Read Only)

Description	Enables autonegotiation of physical link speed and duplex
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.DedicatedNICScanTime (Read Only)

Description	Shared to Dedicated Failover Timeout
Legal Values	• Integral values from 5 to 255
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.DNSDomainFromDHCP (Read Only)

Description	Specifies that the iDRAC DNS Domain Name should be assigned from the network DHCP server.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.DNSDomainName (Read Only)

Description	The DNS Domain Name
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.DNSRacName (Read Only)

Description	The iDRAC name, which is iDRAC-<SVCTAG> by default
Legal Values	• String of up to 63 ASCII characters.
Default Value	idrac-SVCTAG
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.DNSRegister (Read Only)

Description	Registers the iDRAC name with the DNS server.

Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Duplex (Read Only)

Description	Specifies the duplex setting for the iDRAC NIC
Legal Values	• Half-0 • full-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Enable (Read Only)

Description	Enables or Disables the iDRAC network interface controller.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Failover (Read Only)

Description	Specifies the NIC Failover LOM
Legal Values	• None-0 • LOM1-1 • LOM2-2 • LOM3-3 • LOM4-4 • ALL-5
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.LinkStatus (Read Only)

Description	iDRAC Link Status.
Legal Values	• No-0 • Yes-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.MACAddress (Read Only)

Description	The MAC Address of the iDRAC
Legal Values	• String of up to 17 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.MACAddress2 (Read Only)

Description	The MAC Address 2 of the iDRAC
Legal Values	• String of up to 17 ASCII characters.
Default Value	00:00:00:00:00:02
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.MgmtIfaceName (Read Only)

Description	The name of the Management Network Interface
Legal Values	• String of up to 11 ASCII characters.
Default Value	bond0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.MTU (Read Only)

Description	The size in bytes of the maximum transmission unit used by the iDRAC NIC
Legal Values	• Integral values from 576 to 1500

Default Value	1500
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.NumberOfLOM (Read Only)

Description	Number of shared LOM available for iDRAC network interface
Legal Values	• Integral values from 0 to 16
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Selection (Read Only)

Description	Specifies the current mode of operation for the iDRAC network interface controller
Legal Values	• Dedicated-1 • LOM1-2 • LOM2-3 • LOM3-4 • LOM4-5
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.SharedNICScanTime (Read Only)

Description	Dedicated to Shared Failover Timeout
Legal Values	• Integral values from 5 to 255
Default Value	30
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.Speed (Read Only)

Description	Specifies the speed for the iDRAC NIC
Legal Values	• 10-0 • 100-1 • 1000-2

- 2500-3
- 10000-4
- 20000-5
- 25000-6
- 40000-7
- 50000-8
- 100000-9

Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.VLanEnable (Read Only)

Description	Enables or Disables the VLAN capabilities of the iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.VLanID (Read Only)

Description	Specifies the VLAN ID for the network VLAN configuration
Legal Values	• Integral values from 1 to 4094
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.VLanPriority (Read Only)

Description	Specifies the VLAN priority for the network VLAN configuration
Legal Values	• Integral values from 0 to 7
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.CurrentNIC.VLanSetting (Read Only)

Description	Auto VLAN Setting

Legal Values	• Both Enable-0 • Disabled on Dedicated-1 • Disabled on share-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.DefaultCredentialMitigationConfigGroup

NOTE: The iDRAC.Tuning group is deprecated and replaced with iDRAC.DefaultCredentialMitigationConfigGroup group.

This group contains the attributes that provide details about iDRAC Default Credential Mitigation Configuration Group.

iDRAC.DefaultCredentialMitigationConfigGroup.DefaultCredentialMitigation (Read or Write)

Description	Enable Default Credential Mitigation **NOTE: Attribute naming might not be same across all interfaces. Use the key string to find and compare correct attribute name in WSMAN SCP.**
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	None

iDRAC.EmailAlert

This group contains the attributes that provide details about email alerts.

iDRAC.EmailAlert.Address (Read or Write)

Description	Specifies the destination email address for email alerts
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.EmailAlert.CustomMsg (Read or Write)

Description	Specifies the custom message that forms the subject of the alert

Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.EmailAlert.Enable (Read or Write)

Description	Enables or Disables the destination to receive alerts
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.GroupManager

This group contains the attributes that provides details about GroupManager.

iDRAC.GroupManager.GroupName (Read Only)

Description	GroupName is the user specified name of the iDRAC Group Manager local group.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.GroupManager.GroupUUID (Read Only)

NOTE: The iDRAC.GroupManager.GroupUID attribute is deprecated and replaced with iDRAC.GroupManager.GroupUUID attribute.

Description	GroupUUID is a universally unique identifier that is automatically generated when the iDRAC Group Manager local group is created. This is used to track a group and remains constant for the life of the group.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.GroupManager.Status (Read or Write)

NOTE: The iDRAC.GroupManager.Globalstate command is deprecated and replaced with iDRAC.GroupManager.Status command.

Description	Enables or disables Group Management. iDRAC Group Manager feature offers simplified basic management of iDRACs on the same local network using the iDRAC GUI. When enabled a link local IPv6 address is used to discover and communicate with other iDRACs.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.GUISecurityPolicyMessage

This group contains the attributes that provides details about GUI security policy message.

iDRAC.GUI.SecurityPolicyMessage (Read or Write)

Description	Security Policy Message Displayed on the GUI login screen
Legal Values	• String of up to 1024 ASCII characters.
Default Value	By accessing this computer, you confirm that such access complies with your organization's security policy.
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info

This group contains the attributes that provides details about iDRAC info.

iDRAC.Info.Build (Read Only)

Description	String containing the current product build version
Legal Values	• String of up to 16 ASCII characters.
Default Value	25
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.CPLDVersion (Read Only)

Description	Specifies the CPLD firmware version of the server.

Legal Values	• String of up to 6 ASCII characters.
Default Value	0.0.0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.Description (Read Only)

Description	Text description of the iDRAC
Legal Values	• String of up to 512 ASCII characters.
Default Value	This system component provides a complete set of remote management functions for Dell PowerEdge Server.
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.HWRev (Read Only)

Description	Specifies the iDRAC hardware revision.
Legal Values	• String of up to 256 ASCII characters.
Default Value	.0.1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.IPMIVersion (Read Only)

Description	Current IPMI Version supported on iDRAC
Legal Values	• String of up to 20 ASCII characters.
Default Value	2.0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.Name (Read Only)

Description	User assigned name identifying this controller
Legal Values	• String of up to 15 ASCII characters.
Default Value	iDRAC
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.Info.Product (Read Only)

Description	String identifying the Product
Legal Values	• String of up to 71 ASCII characters.
Default Value	Integrated Dell Remote Access Controller
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.RollbackBuild (Read Only)

Description	Specifies the iDRAC rollback build number.
Legal Values	• String of up to 256 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.RollbackVersion (Read Only)

Description	Specifies the iDRAC rollback version.
Legal Values	• String of up to 256 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.ServerGen (Read Only)

Description	String containing the current server generation
Legal Values	• 12G-1 • 13G-2 • 14G-3 • 15G-4
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.Type (Read Only)

Description	Identifies the remote access controller type as iDRAC
Legal Values	• 12G/13G/14G/15G-0 • Other-1 • Unknown-2 • 12G Monolithic-16 • 12G Modular-17 • 13G Monolithic-32 • 13G Modular-33 • 12G DCS-21 • 13G DCS-34 • 14G Monolithic-48 • 14G Modular-49 • 14G DCS-50 • 15G Monolithic-64 • 15G Modular-65 • 15G DCS-66
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Info.Version (Read Only)

Description	String containing the current product firmware version
Legal Values	• String of up to 63 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IntegratedDatacenter

This group contains the attributes that provides details about Integrated datacenter.

iDRAC.IntegratedDatacenter.DiscoveryEnable (Read or Write)

Description	Enable Autodiscovery
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRac.IOIDOpt

This group contains the attributes that provides details about iDRAC IOIDOpt.

iDRAC.IOIDOpt.InitiatorPersistencePolicy (Read or Write)

Description	Initiator Persistence Policy
Legal Values	• None-0 • WarmReset-1 • ColdReset-2 • WarmReset, ColdReset-3 • ACPowerLoss-4 • WarmReset, ACPowerLoss-5 • ColdReset, ACPowerLoss-6 • WarmReset, ColdReset, ACPowerLoss-7
Default Value	7
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IOIDOpt.IOIDOptEnable (Read or Write)

Description	Enable IO Identity Optimization
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IOIDOpt.StorageTargetPersistencePolicy (Read or Write)

Description	Storage Target Persistence Policy
Legal Values	• None-0 • WarmReset-1 • ColdReset-2 • WarmReset, ColdReset-3 • ACPowerLoss-4 • WarmReset, ACPowerLoss-5 • ColdReset, ACPowerLoss-6 • WarmReset, ColdReset, ACPowerLoss-7
Default Value	7

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IOIDOpt.VirtualAddressPersistencePolicyAuxPwrd (Read or Write)

Description	Virtual Address Persistence Policy Auxiliary Powered
Legal Values	• None-0 • WarmReset-1 • ColdReset-2 • WarmReset, ColdReset-3 • ACPowerLoss-4 • WarmReset, ACPowerLoss-5 • ColdReset, ACPowerLoss-6 • WarmReset, ColdReset, ACPowerLoss-7
Default Value	3
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IOIDOpt.VirtualAddressPersistencePolicyNonAuxPwrd (Read or Write)

Description	Virtual Address Persistence Policy Non Auxiliary Powered
Legal Values	• None-0 • WarmReset-1 • ColdReset-2 • WarmReset, ColdReset-3 • ACPowerLoss-4 • WarmReset, ACPowerLoss-5 • ColdReset, ACPowerLoss-6 • WarmReset, ColdReset, ACPowerLoss-7
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPBlocking

This group contains the attributes that provides details about IP Blocking.

iDRAC.IPBlocking.BlockEnable (Read or Write)

Description	Enables or disables the IPv4 address blocking feature of iDRAC.

Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.FailCount (Read or Write)

Description	Specifies the maximum number of login failures to occur within the window before login attempts from the IP address are rejected.
Legal Values	• Integral values from 2 to 16
Default Value	3
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.FailWindow (Read or Write)

Description	Defines the time span in seconds that the failed attempts are counted.
Legal Values	• Integral values from 10 to 65535
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.PenaltyTime (Read or Write)

Description	Defines the time span in seconds that session requests from an IP address with excessive failures are rejected.
Legal Values	• Integral values from 2 to 65535
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeAddr (Read or Write)

Description	Specifies the IPv4 address of IPv4 Address Range 1 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.1.1
Write Privilege	Configure iDRAC

License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeAddr2 (Read or Write)

Description	Specifies the IPv4 address of IPv4 Address Range 2 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.1.1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeAddr3 (Read or Write)

Description	Specifies the IPv4 address of IPv4 Address Range 3 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.1.1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeAddr4 (Read or Write)

Description	Specifies the IPv4 address of IPv4 Address Range 4 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.1.1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeAddr5 (Read or Write)

Description	Specifies the IPv4 address of IPv4 Address Range 5 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.1.1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeEnable (Read or Write)

Description	Enables or disables IPv4 Address Range 1 of the IP blocking feature of iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeEnable2 (Read or Write)

Description	Enables or disables IPv4 Address Range 2 of the IP blocking feature of iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeEnable3 (Read or Write)

Description	Enables or disables IPv4 Address Range 3 of the IP blocking feature of iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeEnable4 (Read or Write)

Description	Enables or disables IPv4 Address Range 4 of the IP blocking feature of iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeEnable5 (Read or Write)

Description	Enables or disables IPv4 Address Range 5 of the IP blocking feature of iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeMask (Read or Write)

Description	Specifies the IPv4 subnet mask of IPv4 Address Range 1 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeMask2 (Read or Write)

Description	Specifies the IPv4 subnet mask of IPv4 Address Range 2 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeMask3 (Read or Write)

Description	Specifies the IPv4 subnet mask of IPv4 Address Range 3 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeMask4 (Read or Write)

Description	Specifies the IPv4 subnet mask of IPv4 Address Range 4 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.

Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPBlocking.RangeMask5 (Read or Write)

Description	Specifies the IPv4 subnet mask of IPv4 Address Range 5 of the IP blocking feature of iDRAC.
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.IPMILan

This group contains the attributes that provides details about iDRAC IPMI Lan.

iDRAC.IPMILan.AlertEnable (Read or Write)

Description	Enables or Disables global email alerting
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMILan.CommunityName (Read or Write)

Description	Specifies the SNMP community name for traps
Legal Values	• String of up to 18 ASCII characters.
Default Value	public
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMILan.Enable (Read or Write)

Description	Enables or Disables the IPMI over LAN interface
Legal Values	• Disabled-0 • Enabled-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMILan.EncryptionKey (Read or Write)

Description	Specifies the IPMI Encryption key
Legal Values	• String of up to 40 ASCII characters.
Default Value	0000000000000000000000000000000000000000
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMILan.PrivLimit (Read or Write)

Description	Specifies the maximum privilege level for IPMI over LAN access
Legal Values	• User-2 • Operator-3 • Administrator-4
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial

This group contains the attributes that provides details about iDRAC IPMI Serial.

iDRAC.IPMISerial.BaudRate (Read or Write)

Description	Specifies the baud rate for serial connection over IPMI
Legal Values	• 9600-9600 • 19200-19200 • 57600-57600 • 115200-115200
Default Value	57600
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.ChanPrivLimit (Read or Write)

Description	Specifies the maximum privilege limit allowed on the IPMI serial channel
Legal Values	• User-2 • Operator-3 • Administrator-4
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.ConnectionMode (Read or Write)

Description	Determines the IPMI defined mode of the serial port
Legal Values	• Terminal-0 • Basic-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.DeleteControl (Read or Write)

Description	Enables or Disables delete control on the IPMI serial interface
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.EchoControl (Read or Write)

Description	Enables or Disables echo control on the IPMI serial interface
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.FlowControl (Read or Write)

Description	Specifies the Flow Control setting for IPMI serial port
Legal Values	• None-0 • RTS/CTS-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.HandshakeControl (Read or Write)

Description	Enables or Disables the IPMI terminal mode handshake control
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.InputNewLineSeq (Read or Write)

Description	Specifies the input new line sequence for the IPMI serial interface
Legal Values	• Enter-1 • Null-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.LineEdit (Read or Write)

Description	Enables or Disables line editing on the IPMI serial interface
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISerial.NewLineSeq (Read or Write)

Description	Specifies the new line sequence for the IPMI serial interface
Legal Values	• None-0 • CR-LF-1 • NULL-2 • CR-3 • LF-CR-4 • LF-5
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISOL

This group contains the attributes that provides details about iDRAC IPMI SOL.

iDRAC.IPMISOL.AccumulateInterval (Read or Write)

Description	Specifies the typical amount of time that iDRAC waits before transmitting a partial SOL character data packet
Legal Values	• Integral values from 1 to 255
Default Value	10
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISOL.BaudRate (Read or Write)

Description	Specifies the Baud rate for serial communication over LAN
Legal Values	• 9600-9600 • 19200-19200 • 57600-57600 • 115200-115200
Default Value	115200
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISOL.Enable (Read or Write)

Description	Enables or disables Serial Over LAN (SOL)
Legal Values	• Disabled-0 • Enabled-1

Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISOL.MinPrivilege (Read or Write)

Description	Specifies the minimum privilege level required for serial access
Legal Values	• User-2 • Operator-3 • Administrator-4
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPMISOL.SendThreshold (Read or Write)

Description	Specifies the SOL threshold limit value and the maximum number of bytes to buffer before sending an SOL data packet
Legal Values	• Integral values from 1 to 255
Default Value	255
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4

This group contains the attributes that provides details about iDRAC IPv4 settings.

iDRAC.IPv4.DHCPEnable (Read or Write)

Description	Specifies if DHCP is used to assign the iDRAC IPv4 address
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.DNS1 (Read or Write)

Description	IPv4 address for DNS server 1

Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.DNS2 (Read or Write)

Description	IPv4 address for DNS Server 2
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.DNSFromDHCP (Read or Write)

Description	Specifies if the DNS server IPv4 addresses should be assigned from the DHCP server on the network.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.Enable (Read or Write)

Description	Enables or Disables the iDRAC IPv4 stack
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.Netmask (Read or Write)

Description	The subnet mask used for the iDRAC IPv4 address
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4.Gateway (Read or Write)

Description	The gateway for the iDRAC IPv4 address
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.0.1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPV4Static

This group contains the attributes that provides details about `iDRAC.IPV4Static`.

iDRAC.IPv4Static.DNS1 (Read or Write)

Description	Statically configurable DNS Server 1
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4Static.DNS2 (Read or Write)

Description	Statically configurable DNS Server 2
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4Static.DNSFromDHCP (Read or Write)

Description	Specifies if the DNS server IPv4 addresses should be assigned from the DHCP server on the network.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.IPv4Static.Netmask (Read or Write)

Description	iDRAC static IPv4 subnet mask(can be configured even when DHCP is enabled)
Legal Values	• String of up to 16 ASCII characters.
Default Value	255.255.255.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4Static.Address (Read or Write)

Description	iDRAC static IPv4 address (can be configured even when DHCP is enabled)
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.0.120
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv4Static.Gateway (Read or Write)

Description	iDRAC static IPv4 gateway (can be configured even when DHCP is enabled)
Legal Values	• String of up to 16 ASCII characters.
Default Value	192.168.0.1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPV6

This group contains the attributes that provides details about iDRAC IPv6 settings

iDRAC.IPv6.Address1 (Read or Write)

Description	iDRAC IPv6 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address2 (Read Only)

Description	iDRAC IPv6 second address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address3 (Read Only)

Description	iDRAC IPv6 third address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address4 (Read Only)

Description	iDRAC IPv6 fourth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address5 (Read Only)

Description	iDRAC IPv6 fifth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address6 (Read Only)

Description	iDRAC IPv6 sixth address
Legal Values	• String of up to 63 ASCII characters.

Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address7 (Read Only)

Description	iDRAC IPv6 seventh address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address8 (Read Only)

Description	iDRAC IPv6 eighth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address9 (Read Only)

Description	iDRAC IPv6 ninth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address10 (Read Only)

Description	iDRAC IPv6 tenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address11 (Read Only)

Description	iDRAC IPv6 eleventh address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address12 (Read Only)

Description	iDRAC IPv6 twelfth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address13 (Read Only)

Description	iDRAC IPv6 thirteenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address14 (Read Only)

Description	iDRAC IPv6 fourteenth address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.Address15 (Read Only)

Description	iDRAC IPv6 fifteenth address
Legal Values	• String of up to 63 ASCII characters.

Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.AddressState (Read Only)

Description	IPV6 Address State
Legal Values	• Active-0 • Disabled-1 • Pending-2 • Failed-3 • Deprecated-4 • Invalid-5
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6.AutoConfig (Read or Write)

Description	Enables or Disables the iDRAC IPv6 auto configuration option
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.DNS1 (Read or Write)

Description	IPv6 DNS Server 1 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.DNS2 (Read or Write)

Description	IPv6 DNS Server 2 Address
Legal Values	• String of up to 63 ASCII characters.

Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.DNSFromDHCP6 (Read or Write)

Description	Specifies if the DNS Server addresses are obtained from DHCP or not
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.DUID (Read Only)

Description	DHCP Unique Identifier
Legal Values	• String of up to 144 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6.Enable (Read or Write)

Description	Enables or Disables iDRAC IPv6 stack
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6.Gateway (Read or Write)

Description	iDRAC IPv6 Gateway
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependancy	None

iDRAC.IPv6.LinkLocalAddress (Read Only)

Description	iDRAC IPv6 Link Local Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6.PrefixLength (Read or Write)

Description	Prefix length for the iDRAC IPv6 Address
Legal Values	• Integral values from 1 to 128
Default Value	64
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.IPv6Static

This group contains the attributes that provides details about iDRAC IPv6 Static.

iDRAC.IPv6Static.Address1 (Read or Write)

Description	iDRAC static IPv6 address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6Static.DNS1 (Read or Write)

Description	Statically configurable DNS Server 1
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6Static.DNS2 (Read or Write)

Description	Statically configurable DNS Server 1
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6Static.DNSFromDHCP6 (Read or Write)

Description	Specifies if the DNS server IPv6 addresses should be assigned from the DHCP server on the network.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6Static.Gateway (Read or Write)

Description	iDRAC static IPv6 gateway
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6Static.PrefixLength (Read or Write)

Description	Prefix length for the iDRAC IPv6 Address
Legal Values	• Integral values from 1 to 128
Default Value	64
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.IPv6URL

This group contains the attributes that provides details about iDRAC IPv6 URL.

iDRAC.IPv6URL.URL (Read Only)

Description	Provides the IPv6 URL for the iDRAC.
Legal Values	• String of up to 80 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.KMS

The objects in this group help to set username and password for the Key Management Server (KMS) connection.

NOTE: Run the `racadm sekm enable` command after changing any iDRAC KMS attributes. This action validates if the changes are valid and iDRAC can communicate with the KMS.

iDRAC.KMS.iDRACPassword (Read or Write)

Description	Specifies the password for the iDRAC account on the Key Management server.
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.iDRACUserName (Read or Write)

Description	Specifies the User Id on the Key Management server for this iDRAC.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.KMIPPortNumber (Read or Write)

Description	Specifies the KMIP Port Number for the Primary and Redundant Key Management Server.
Legal Values	• Integral values from 0 to 65535
Default Value	5696
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.PrimaryServerAddress (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the Primary Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantKMIPPortNumber (Read or Write)

Description	Specifies the KMIP Port Number for the Redundant Server.
Legal Values	• Integral values from 0 to 65535
Default Value	5696
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress1 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the first Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress2 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the second Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress3 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the third Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress4 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the fourth Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress5 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the fifth Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress6 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the sixth Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress7 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the seventh Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.RedundantServerAddress8 (Read or Write)

Description	Specifies the FQDN, IPv4 address or IPv6 address of the eighth Redundant Key Management Server.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.KMS.Timeout (Read or Write)

Description	Specifies the SSL connection timeout value in seconds.
Legal Values	• Integral values from 0 to 300
Default Value	10
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.LDAP

This group contains the attributes that provides details about iDRAC LDAP.

iDRAC.LDAP.BaseDN (Read or Write)

Description	The Domain Name of the branch of the directory where all searches should start from.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.BindDN (Read or Write)

Description	The distinguished name of a user used to bind to the server when searching for the login user's DN.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.BindPassword (Read or Write)

Description	A bind password to use in conjunction with the bindDN.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.CertValidationEnable (Read or Write)

Description	Controls certificate validation during SSL handshake.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.Enable (Read or Write)

Description	Turns LDAP service on or off.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.GroupAttribute (Read or Write)

Description	Specifies which LDAP attribute is used to check for group membership.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.GroupAttributeIsDN (Read or Write)

Description	Specifies whether the user domain name should be used from the LDAP server or from what was provided by user at login

Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.Port (Read or Write)

Description	Port of LDAP over SSL.
Legal Values	• Integral values from 1 to 65535
Default Value	636
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.SearchFilter (Read or Write)

Description	A valid LDAP search filter to be used if the user attribute cannot uniquely identify the login user within the chosen baseDN.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.Server (Read or Write)

Description	Configures the address of the LDAP Server
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAP.UserAttribute (Read or Write)

Description	Specifies the user attribute to search for.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAPRoleGroup

This group contains the attributes that provides details about iDRAC LDAP Role Grouping.

iDRAC.LDAPRoleGroup.DN (Read or Write)

Description	This is the Domain Name of the group.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LDAPRoleGroup.Privilege (Read or Write)

Description	A bit-mask defining the privileges associated with this particular group.
Legal Values	• Integral values from 0 to 511
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.LocalSecurity

This group contains the attributes that provides details about iDRAC local security.

iDRAC.LocalSecurity.LocalConfig (Read or Write)

NOTE: The iDRAC.LocalSecurity.LocalConfigDisabled attribute is deprecated and replaced with iDRAC.LocalSecurity.LocalConfig attribute.

Description	Enable local security
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.LocalSecurity.PrebootConfig (Read or Write)

Description	Enables or disables the ability of the local user to configure iDRAC from the BIOS POST option-ROM.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Lockdown

This group contains the attributes that provides details about iDRAC lockdown.

iDRAC.Lockdown.SystemLockdown (Read or Write)

Description

Specifies if the System Lockdown is enabled or disabled

NOTE: This attribute is the replacement of iDRAC.Lockdown.SystemLockdownMode attribute, which is deprecated from iDRAC version 3.15.15.15.

NOTE: The following commands or configuration items are exceptions when the system is in lockdown mode.

- **Power operations (System power on, power off, reset)**

```
racadm serveraction graceshutdown
```

```
racadm serveraction powerdown
```

```
racadm serveraction powerup
```

```
racadm serveraction powercycle
```

```
racadm serveraction hardreset
```

- **Setting power budget, power profiles**
- **Identify operations to blink an LED (racadm settled)**
- **Run diagnostics**
- **Coredump delete**

Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.Logging

This group contains the attributes that provides details about iDRAC logging.

iDRAC.Logging.SELBufferType (Read or Write)

Description	Configurable attribute to modify the SEL behavior to make it linear instead of default circular.
Legal Values	• Circular-0 • Linear-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Logging.SELOEMEventFilterEnable (Read or Write)

Description	Enable SEL OEM Event Filter
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC

This group contains the attributes that provides details about iDRAC NIC.

iDRAC.NIC.AutoConfig (Read or Write)

Description	Enable Auto Configuration
Legal Values	• Disabled-0 **NOTE: iDRAC does not perform DHCP configuration.** • Enable Once-1 **NOTE: iDRAC performs DHCP configuration once.** • Enable Once After Reset-2 **NOTE: Configures after iDRAC reset.**
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.AutoConfigIPV6 (Read or Write)

Description	IPV6 Enable Auto Configuration
Legal Values	• Disabled-0

- Enable Once-1
- Enable Once After Reset-2

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.AutoDetect (Read or Write)

Description	Enable or disable auto detection feature of iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.Autoneg (Read or Write)

Description	Enables autonegotiation of physical link speed and duplex
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.DedicatedNICScanTime (Read or Write)

Description	Wait time for the iDRAC to switch from dedicated mode to shared mode.
Legal Values	• Integral values from 5 to 255
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.DiscoveryLLDP (Read or Write)

Description	Enables LLDP over active NIC Interface.
Legal Values	• Disabled-0 • Dedicated-1

- SharedLOM-2
- Enabled-3

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.DNSDomainFromDHCP (Read or Write)

Description	Specifies that the iDRAC DNS Domain Name should be assigned from the network DHCP server.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.DNSDomainName (Read or Write)

Description	The DNS Domain Name
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.DNSDomainNameFromDHCP (Read or Write)

Description	Specifies that the iDRAC DNS Domain Name should be assigned from the network DHCP server.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.DNSRacName (Read or Write)

Description	The iDRAC name, which is iDRAC-<SVCTAG> by default
Legal Values	• String of up to 63 ASCII characters.
Default Value	idrac-SVCTAG

Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.DNSRegister (Read or Write)

Description	Registers the iDRAC name with the DNS server.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.DNSRegisterInterval (Read or Write)

Description	Specifies the DNS registration refresh interval. Valid values are 0 or 60 to 7776000.
Legal Values	• Integral values from 60 to 7776000
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.Duplex (Read or Write)

Description	Specifies the duplex setting for the iDRAC NIC
Legal Values	• Half-0 • Full-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.Enable (Read or Write)

Description	Enables or Disables the iDRAC network interface controller.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.NIC.Failover (Read or Write)

Description	Specifies the NIC Failover LOM.
Legal Values	• None-0 • LOM1-1 • LOM2-2 • LOM3-3 • LOM4-4 • All-5
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.MACAddress (Read Only)

Description	The MAC Address of the iDRAC
Legal Values	• String of up to 17 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.MTU (Read or Write)

Description	The size in bytes of the maximum transmission unit used by the iDRAC NIC
Legal Values	• Integral values from 576 to 1500
Default Value	1500
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.PowerOnOCPSlot1InS5 (Read or Write)

Description	Enable Embedded Networking OCP slot 1 power in host off / S5 state for Wake On LAN
Legal Values	• Off-0 • On-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.NIC.SharedNICScanTime (Read or Write)

Description	Wait time for the iDRAC to switch from shared mode to dedicated mode.
Legal Values	• Integral values from 5 to 255
Default Value	30
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.NIC.Speed (Read or Write)

Description	Specifies the speed for the iDRAC NIC
Legal Values	• 10-0 • 100-1 • 1000-2 • 2500-3 • 10000-4 • 20000-5 • 25000-6 • 40000-7 • 50000-8 • 100000-9
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.SwitchConnection (Read Only)

Description	Specifies the Chassis ID extracted from LLDP packet
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.SwitchPortConnection (Read Only)

Description	Specifies the Port ID extracted from LLDP packet.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.TopologyLldp (Read or Write)

Description	Enable/Disable LLDP topology information
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.VLanEnable (Read or Write)

Description	Enables or Disables the VLAN capabilities of the iDRAC **NOTE: This object is applicable only to iDRAC on Racks and Towers.**
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.VLanID (Read or Write)

Description	Specifies the VLAN ID for the network VLAN configuration **NOTE: This object is applicable only to iDRAC on Racks and Towers.**
Legal Values	• Integral values from 1 to 4094
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.VLanPort (Read or Write)

Description	VLAN Port
Legal Values	• Both-0 • Dedicated port only-1 • LOM ports only-2

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NIC.VLanPriority (Read or Write)

Description	Specifies the VLAN priority for the network VLAN configuration **NOTE: This object is applicable only to iDRAC on Racks and Towers.**
Legal Values	• Integral values from 0 to 7
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NICStatic

This group contains the attributes that provides details about iDRAC NIC static.

NOTE: The following objects are not valid for modular systems:

- **Auto negotiation**
- **Auto dedicated NIC**
- **Network speed**
- **Duplex**
- **Dedicated NIC scan time**
- **Shared NIC scan time**

iDRAC.NICStatic.DNSDomainFromDHCP (Read or Write)

Description	Specifies that the iDRAC DNS Domain Name should be assigned from the network DHCP server.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.NICStatic.DNSDomainName (Read or Write)

Description	The DNS Domain Name
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.NTPConfigGroup

This group contains the attributes that provides details about iDRAC NTP Config group.

iDRAC.NTPConfigGroup.NTP1 (Read or Write)

Description	Name of NTP Server 1
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.NTPConfigGroup.NTP2 (Read or Write)

Description	Name of NTP Server 2
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.NTPConfigGroup.NTP3 (Read or Write)

Description	Name of NTP Server 3
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.NTPConfigGroup.NTPEnable (Read or Write)

Description	Enable Network Time Protocol
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise

Dependancy	None

iDRAC.NTPConfigGroup.NTPMaxDist (Read or Write)

Description	NTP Maximum Distance
Legal Values	• Integral values from 1 to 128
Default Value	16
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.OS-BMC

This group contains the attributes that provides details about iDRAC OS BMC.

NOTE: In Autocomplete mode, the group OS-BMC is autocompleted as OS_BMC.

NOTE: The iDRAC.IMC group is deprecated and replaced with iDRAC.OS-BMC group.

iDRAC.OS-BMC.AdminState (Read or Write)

Description	Manages the administrative state of the IMC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.OsIpAddress (Read or Write)

Description	OS-BMC Passthrough Host IP Address. Enter a valid IPv4 address.
Legal Values	• String of up to 16 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.PTCapability (Read Only)

Description	OS-BMC Pass Through Capability
Legal Values	• Not Capable-0 • Capable-1

- Unavailable-2

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.PTMode (Read or Write)

Description	Specifies the OS-BMC Passthrough mode. **NOTE: From iDRAC 4.00.00.00, lom-p2p is not supported when NIC Selection is set to Dedicated.** **NOTE: To enable the pass-through, make sure that `iDRAC.OS-BMC.AdminState` is enabled.**
Legal Values	• lom-p2p-0 • usb-p2p-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	OS-BMC.PTCompatibility must be set to Capable.

iDRAC.OS-BMC.UsbNicIpAddress (Read or Write)

Description	Specifies the USB NIC IP Address. Enter a valid IPv4 address.
Legal Values	• String of up to 16 ASCII characters.
Default Value	169.254.1.1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.UsbNicIpv4AddressSupport (Read or Write)

Description	Specifies whether the USB NIC IP Address can support IPv4 or NOT. Select Enabled to allow IPv4 address.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.UsbNicIpV6Address (Read Only)

Description	USB NIC IPv6 Address
Legal Values	• String of up to 63 ASCII characters.
Default Value	::
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.OS-BMC.UsbNicULA (Read or Write)

Description	Specifies the USB-NIC IPv6 unique local address. Address cannot be in the ranges fde1:53ba:e9a0:de12::/64, fde1:53ba:e9a0:de13::/64, fde1:53ba:e9a0:de14::/64, fde1:53ba:e9a0:de15::/64 and fde1:53ba:e9a0:de16::/64.
Legal Values	• String of up to 63 ASCII characters.
Default Value	fde1:53ba:e9a0:de11::1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PCIeVDM

This group contains the attributes that provides details about iDRAC PCIeVDM capability.

iDRAC.PCIeVDM.Enable (Read or Write)

Description	Enable/Disable the PCIe VDM capability.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Platformcapability

This group contains the attributes that provides details about iDRAC Platform capability.

iDRAC.PlatformCapability.BackupRestoreCapable (Read Only)

Description	Indicates if Backup and Restore is supported
Legal Values	• Disabled-0 • Enabled-1

Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.CUPSCapable (Read Only)

Description	Indicates hardware is CUPS capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.FrontPanelCapable (Read Only)

Description	Indicates hardware is front panel capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.FrontPanelUSBCapable (Read Only)

Description	Indicates hardware is Front Panel USB capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.FrontPortUSBConfiguration (Read Only)

Description	When BIOS is configured as "All Ports Off (Dynamic)" the above capability attribute will be set to true, otherwise false.

Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.LCDCapable (Read Only)

Description	Indicates platform is LCD capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.LiveScanCapable (Read Only)

Description	Indicates if live scan is supported
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.NicVLANCapable (Read Only)

Description	Indicates Platform support for VLAN in Dedicated and/or Shared
Legal Values	• None-0 • Dedicated-1 • SharedLOM-2 • Both-3
Default Value	3
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.PMBUSCapablePSU (Read Only)

Description	Indicates PMBUS PSU Capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.PowerBudgetCapable (Read Only)

Description	Indicates hardware is Power Budgetcapable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.PowerMonitoringCapable (Read Only)

Description	Indicates hardware is Power Monitoring capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.SerialDB9PCapable (Read Only)

Description	Indicates if hardware is Serial DB9 Capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.PlatformCapability.ServerAllocationCapable (Read Only)

Description	Indicates whether the server allocation field in hardware inventory is used or not.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.UserPowerCapBoundCapable (Read or Write)

Description	Indicates User Power Cap boundary Capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.UserPowerCapCapable (Read or Write)

Description	Indicates User Power cap Capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.vFlashCapable (Read Only)

Description	Indicates hardware is vFlash capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.PlatformCapability.WiFiCapable (Read Only)

Description	Indicates hardware is WiFi capable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.RACADM

This group contains the attributes that provides details about iDRAC RACADM.

iDRAC.Racadm.Enable (Read or Write)

Description	Enables or disables the Remote Racadm interface.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Racadm.MaxSessions (Read Only)

Description	Specifies the maximum number of active Remote Racadm sessions allowed.
Legal Values	• Integral values from 0 to 8
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Racadm.Timeout (Read or Write)

Description	Defines the idle timeout in seconds of the Remote Racadm interface.
Legal Values	• Integral values from 10 to 1920
Default Value	60

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Redfish

This group contains the attributes that provides details about iDRAC Redfish.

iDRAC.Redfish.Enable (Read or Write)

Description	Redfish Enable
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.RedfishEventing

This group contains the attributes that provides details about iDRAC Redfish Eventing.

iDRAC.RedfishEventing.DeliveryRetryAttempts (Read or Write)

Description	This is the number of attempts an event posting is retried before the subscription is terminated.
Legal Values	• Integral values from 0 to 5
Default Value	3
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.RedfishEventing.DeliveryRetryIntervalInSeconds (Read or Write)

Description	This represents the number of seconds between retry attempts for sending any given Event.
Legal Values	• Integral values from 5 to 60
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.RedfishEventing.IgnoreCertificateErrors (Read or Write)

Description	To ignore any SSL certificate warnings that may arise during SSL handshake with Event Listener.
Legal Values	• No-0 • Yes-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.RemoteHosts

This group contains the attributes that provides details about iDRAC remote hosts.

iDRAC.RemoteHosts.ConnectionEncryption (Read or Write)

Description	Specifies how encryption on the connection to the SMTP server will be configured.
Legal Values	• None-0 • SSL/TLS-1 • STARTTLS-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.MessageSubjectPrefix (Read or Write)

Description	Specifies a custom message subject prefix for email alert messages.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.SenderEmail (Read or Write)

Description	Specifies the address of emails sent by iDRAC
Legal Values	• String of up to 254 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.SMTPAuthentication (Read or Write)

Description	Enable SMTP Authentication
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.SMTPPassword (Read or Write)

Description	SMTP Password
Legal Values	• String of up to 50 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.SMTPPort (Read or Write)

Description	Specifies the SMTP Port
Legal Values	• Integral values from 1 to 65535
Default Value	25
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RemoteHosts.SMTPServerIPAddress (Read or Write)

Description	Address of the network SMTP server
Legal Values	• String of up to 254 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise

Dependancy	None

iDRAC.RemoteHosts.SMTPUserName (Read or Write)

Description	SMTP User Name
Legal Values	• String of up to 50 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.RFS

This group contains the attributes that provides details about iDRAC RFS

NOTE: To perform the complete workflow for RFS and set attributes, refer to *remoteimage*.

iDRAC.RFS.AttachMode (Read or Write)

Description	RFS Media attach mode
Legal Values	• Auto Attach-0 • Attach-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.Enable (Read or Write)

Description	RFS Enable State
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.IgnoreCertWarning (Read or Write)

Description	Ignore certificate warning message
Legal Values	• No-0 • Yes-1
Default Value	1

Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.Image (Read or Write)

Description	RFS Image path
Legal Values	• String of up to 511 ASCII characters.
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.MediaAttachState (Read Only)

Description	RFS Media attach state
Legal Values	• Detached-0 • Attached-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.Password (Read or Write)

Description	Specifies the remote file share password.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.Status (Read or Write)

Description	RFS connection status
Legal Values	• Done-0 • Pending-1 • Error-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise

Dependancy	None

iDRAC.RFS.User (Read or Write)

Description	Specifies the remote file share user.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.RFS.WriteProtected (Read Only)

Description	RFS Write Protection
Legal Values	• Read Only-0 • Read Write-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SCEP

This group contains the attributes that provides details about iDRAC SCEP capability.

iDRAC.SCEP.CA-URL (Read or Write)

Description	Specifies the URL of the Certificate Authority.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.SCEP.ChallengePassword (Read or Write)

Description	Specifies the challenge password for the Certificate Authority.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.SCEP.Enable (Read or Write)

Description	Enables or disables Simple Certificate Enrollment.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	SCEP CA-URL must be configured before SCEP can be enabled.

iDRAC.SCEP.EnrollmentStatus (Read Only)

Description	Provides the enrollment status.
Legal Values	• None-0 • Enrolling-1 • Enrolled-2 • Error-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.SecureDefaultPassword

This group contains the attributes that provides details about iDRAC secure default password.

iDRAC.SecureDefaultPassword.ForceChangePassword (Read or Write)

Description	Force change of password if default password is still in effect.
Legal Values	• False-0 • True-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security

This group contains the attributes that provides details about iDRAC security.

iDRAC.Security.CsrCommonName (Read or Write)

Description	Specifies the CSR Common Name (CN) being certified (usually the web server's Fully Qualified Domain Name (FQDN).
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrCountryCode (Read or Write)

Description	Specifies the CSR Country Code (CC).
Legal Values	• String of up to 2 ASCII characters.
Default Value	US
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrEmailAddr (Read or Write)

Description	Specifies the CSR email address.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrKeySize (Read or Write)

Description	Specifies the SSL asymmetric key size for the CSRs.
Legal Values	• 2048-2048 • 4096-4096
Default Value	2048
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrLocalityName (Read or Write)

Description	Specifies the CSR Locality (L).

Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrOrganizationName (Read or Write)

Description	Specifies the CSR Organization Name (O)
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrOrganizationUnit (Read or Write)

Description	Specifies the CSR Organization Unit (OU)
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrStateName (Read or Write)

Description	Specifies the CSR State Name (S).
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.CsrSubjectAltName (Read or Write)

Description	Specifies the CSR Subject Alternative Name
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.Security.FIPSMode (Read or Write)

Description	Enables or Disables the FIPS mode compliance. Enabling FIPS mode resets iDRAC configuration to factory defaults.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

NOTE: Setting FIPSMode to 0 - Disabled, will not have any effect.

NOTE: To disable FIPSmode, reset the iDRAC to factory default setting (racadm racresetcfg).

NOTE: If FIPS is enabled, you cannot perform any actions associated with the vFlash SD card, such as configuring the vFlash SD card, exporting or backing up server profile to the vFlash, or importing server profile using vFlash.

iDRAC.Security.MinimumPasswordScore (Read or Write)

Description	Specifies that the password must have this minimum strength score.
Legal Values	• No Protection-0 • Weak Protection-1 • Moderate Protection-2 • Strong Protection-3
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.PasswordMinimumLength (Read or Write)

Description	Specifies that the password must be a minimum of the specified characters.
Legal Values	• String of up to 20 characters
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.PasswordRequireNumbers (Read or Write)

Description	Enables or disables the requirement of at least one numeric character in the password.

Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.PasswordRequireRegex (Read or Write)

Description	Specifies that the password must pass the given regular expression.
Legal Values	• String of up to 100 characters
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.PasswordRequireSymbols (Read or Write)

Description	Enables or disables the requirement of at least one symbol in the password.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Security.PasswordRequireUpperCase (Read or Write)

Description	Enabled or disabled the requirement of at least one upper case letter in the password.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate

This group contains the attributes that provides details about iDRAC security certificate.

iDRAC.SecurityCertificate.CertData (Read or Write)

Description	Imports certificate data via Server Configuration Profile (SCP) only.
Legal Values	• String of size up to 2 KB.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.CertificateInstance (Read Only)

Description	Represents the instance of that type of certificate.
Legal Values	• Integral values from to
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.CertificateType (Read Only)

Description	Specifies the type of certificate.
Legal Values	• WEBSERVER_SSL-1 • LDAP_CA-2 • CUSTOM_SIGNING_CERT-3 • CLIENT_TRUST_CERT-4 • FACTORY_IDENTITY_CERT-5 • SEKM_SSL_CERT-6 • KMS_SERVER_CA-7 • RSYSLOG_SERVER_CA-8 • BIOS_HTTPS_BOOT_CERT-9 • SMARTCARD_USER-10 • SMARTCARD_CA-11 • RSA_CA-12 • SCEP_CA-13
Default Value	6
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.CertValidFrom (Read Only)

Description	Specifies the earliest time and date on which the certificate is valid.

Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.CertValidTo (Read Only)

Description	Specifies the time and date past which the certificate is no longer valid.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.CertType (Read or Write)

Description	Specifies the certificate type for CertData used in SCP Import. Possible values are SEKM_SSL_CERT and KMS_SERVER_CA.
Legal Values	• SEKM_SSL_CERT • KMS_SERVER_CA
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerCommonName (Read Only)

Description	Specifies the common name of the entity that verified the information and signed the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerCountryCode (Read Only)

Description	Specifies the country code of the entity that verified the information and signed the certificate.

Legal Values	• String of up to 2 ASCII characters.
Default Value	US
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerLocality (Read Only)

Description	Specifies the locality of the entity that verified the information and signed the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerOrganization (Read Only)

Description	Specifies the organization of the entity that verified the information and signed the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerOrganizationalUnit (Read Only)

Description	Specifies the organizational unit of the entity that verified the information and signed the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IssuerState (Read Only)

Description	Specifies the state name of the entity that verified the information and signed the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SerialNumber (Read Only)

Description	Specifies a unique number to identify the certificate.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectCommonName (Read Only)

Description	Specifies the common name of the entity a certificate belongs to.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectCountryCode (Read Only)

Description	Specifies the country code of the entity a certificate belongs to.
Legal Values	• String of up to 2 ASCII characters.
Default Value	US
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectLocality (Read Only)

Description	Specifies the locality of the entity a certificate belongs to.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectOrganization (Read Only)

Description	Specifies the organization of the entity a certificate belongs to.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectOrganizationalUnit (Read Only)

Description	Specifies the organizational unit of the entity a certificate belongs to.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.SubjectState (Read Only)

Description	Specifies the state of the entity a certificate belongs to.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SecurityCertificate.IsGroupInstanceValid (Read Only)

Description	Specifies if this group instance is valid or not.
Legal Values	• Integral values from 0 to 1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SEKM

The objects in this group help to enable, disable, or request the key for the devices.

iDRAC.SEKM.IPAddressInCertificate (Read or Write)

Description	Indicates if use of iDRAC IP address in SEKM SSL Certificate is enabled or disabled.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKM.KeyAlgorithm (Read or Write)

Description	Indicates the key algorithm to be used by iDRAC when requesting the Key Management Server to generate a key.
Legal Values	• AES-256-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKM.Rekey (Read or Write)

Description	Allows SCP to enable iDRAC rekey operation.
Legal Values	• False-0 • True-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	
Dependancy	None

iDRAC.SEKM.SEKMStatus (Read Only)

Description	Indicates if SEKM is enabled or disabled on iDRAC.
Legal Values	• Disabled-0 • Enabled-1 • Failed-2 • Unverified Changes Exist-3
Default Value	0
Write Privilege	Configure iDRAC

License Required	
Dependancy	None

iDRAC.SEKM.SupportStatus (Read Only)

Description	Indicates the status of the SEKM setup on iDRAC.
Legal Values	• Unknown-0 • NotInstalled-1 • Installed-2 • NoLicense-3 • LicenseOnly-4
Default Value	0
Write Privilege	Configure iDRAC
License Required	Not applicable
Dependancy	None

iDRAC.SEKMCert

The objects in this group help to generate SEKM SSL Certificate.

NOTE: If you have a signed SSL SEKM cert that is already uploaded, and if you change iDRAC SEKM cert attributes, you have to:

- **Regenerate CSR**
- **Get it signed on the key management server**
- **Reupload to iDRAC**

iDRAC.SEKMCert.CertificateStatus (Read Only)

Description	Specifies the SEKM CSR Certificate Status.
Legal Values	• NOT_PENDING-0 • REQUEST_IN_PROGRESS-1 • PENDING-2 • FAILED-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.CommonName (Read or Write)

Description	Specifies the SEKM CSR Common Name (CN) - must be a UserId as given in the certificate if the Key Management Server is setup to use CN for user id.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.CountryCode (Read or Write)

Description	Specifies the SEKM CSR Country Code (CC).
Legal Values	• String of up to 2 ASCII characters.
Default Value	US
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.EmailAddress (Read or Write)

Description	Specifies the SEKM CSR Email Address.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.LocalityName (Read or Write)

Description	Specifies the SEKM CSR Locality Name (L).
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.OrganizationName (Read or Write)

Description	Specifies the SEKM CSR Organization Name (O).
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.OrganizationUnit (Read or Write)

Description	Specifies the SEKM CSR Organization Unit (OU) - must be a Userld as given in the certificate if the Key Management Server is setup to use OU for user id.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.StateName (Read or Write)

Description	Specifies the SEKM CSR State Name (S).
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.SubjectAltName (Read or Write)

Description	Specifies the SEKM CSR Subject Alternate Name.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.SEKMCert.Userld (Read or Write)

Description	Specifies the SEKM CSR Userld. This is the user name that represents iDRAC on the Key Management Server. Specify this if the user name in client certificate is set to UID.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	SEKM and iDRAC Enterprise
Dependancy	None

iDRAC.Serial

This group contains the attributes that provides details about iDRAC Serial.

iDRAC.Serial.BaudRate (Read or Write)

Description	Sets the Baud rate on the iDRAC serial port
Legal Values	• 9600-9600 • 19200-19200 • 57600-57600 • 115200-115200
Default Value	57600
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Serial.Command (Read or Write)

Description	Specifies a serial command that is executed after the user logs into the serial console interface
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Serial.Enable (Read or Write)

Description	Enables or Disables the iDRAC serial console interface
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Serial.HistorySize (Read or Write)

Description	Specifies the maximum size of the serial history buffer
Legal Values	• Integral values from 0 to 8192
Default Value	8192
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Serial.IdleTimeout (Read or Write)

Description	The maximum number of seconds to wait before an idle serial console session is disconnected. The special value 0 disables the timeout.
Legal Values	• Integral values from 60 to 1920
Default Value	300
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Serial.NoAuth (Read or Write)

Description	Enables or Disables iDRAC serial console login authentication
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SerialCapture

This group contains the attributes that provides details about iDRAC serial capture.

iDRAC.SerialCapture.Enable (Read or Write)

Description	Enables or disables serial data capture operation.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.SerialCapture.SerialDataSize (Read Only)

Description	Specifies the size of the serial data captured.
Legal Values	• Integral values from 0 to 524288
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.SerialRedirection

This group contains the attributes that provides details about iDRAC Serial Redirection.

NOTE: This is supported only for rack and tower systems.

iDRAC.SerialRedirection.Enable (Read or Write)

Description	Enables or Disables the console for COM2 port redirection
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SerialRedirection.QuitKey (Read or Write)

Description	This key or key combination terminates the Virtual Console when using the console COM2 command. The valid quitkey should start with ^ and has to end with any of the following characters: 'a-zA-Z[]^_' (i.e. letter or one of 5 special characters).
Legal Values	• String of up to 2 ASCII characters. **NOTE: For local or remote RACADM, use "^\\\\"**
Default Value	^
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServerBoot

This group contains the attributes that provides details about iDRAC server boot.

iDRAC.ServerBoot.BootOnce (Read or Write)

Description	Enable Boot Once
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServerBoot.FirstBootDevice (Read or Write)

Description	Specify the First Boot Device.
Legal Values	• String of up to 64 ASCII characters.
Default Value	Normal
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule

This group contains the attributes that provides details about iDRAC Service module.

iDRAC.ServiceModule.ChipsetSATASupported (Read or Write)

Description	Monitors SMART attributes of devices behind chipset SATA controller and audits appropriately in Lifecycle Log.
Legal Values	• Disabled-0 • Enabled-1 • NA-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.HostSNMPAlert (Read or Write)

Description	Host SNMP Alert
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.HostSNMPGet (Read or Write)

Description	Host SNMP Get
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.iDRACHardReset (Read or Write)

Description	ServiceModule Attribute for iDRAC reset
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	iDRAC.ServiceModule.ServiceModuleEnable should be Enabled

iDRAC.ServiceModule.iDRACSSOLauncher (Read or Write)

Description	iDRAC SSO login via Host OS
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.LCLReplication (Read or Write)

Description	Enable Lifecycle Log Replication
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	With OMSA presence automatically set to 'Disabled'.

iDRAC.ServiceModule.OMSAPresence (Read Only)

Description	Indicates if OMSA is present on the host or not.
Legal Values	• Not Present-0 • Present-1 • NA-2
Default Value	2
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.OSInfo (Read or Write)

Description	Enable Sharing OS Information via service module
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Provide OS information via iDRAC Service Module

iDRAC.ServiceModule.ServiceModuleEnable (Read or Write)

Description	Enable Service Module
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.ServiceModuleState (Read Only)

Description	Specifies the state of the service module on the system
Legal Values	• Not Running-0 • Running-1 • Not running (TLS error)-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.ServiceModuleVersion (Read Only)

Description	Provides the installed version of iDRAC Service Module (iSM).
Legal Values	• String of up to 256 ASCII characters.
Default Value	NA
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.SSEventCorrelation (Read or Write)

Description	Maps the Storage Spaces events on host OS onto Lifecycle Log.
Legal Values	• Disabled-0 • Enabled-1 • NA-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.ServiceModule.WatchdogRecoveryAction (Read or Write)

Description	Specifies the recovery action on watchdog alert
Legal Values	• None-0 • Reboot-1 • Poweroff-2 • Powercycle-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	The value cannot be set if WatchdogState is 'Disabled'.

iDRAC.ServiceModule.WatchdogResetTime (Read or Write)

Description	Specifies the System reset time on watchdog alert
Legal Values	• Integral values from 60 to 720
Default Value	480
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	The value cannot be set if WatchdogState is 'Disabled'.

iDRAC.ServiceModule.WatchdogState (Read or Write)

Description	Enable watchdog timer via service module
Legal Values	• Disabled-0 • Enabled-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	The value will be disabled if OMSA is detected or OS Watchdog is enabled.

iDRAC.ServiceModule.WMIInfo (Read or Write)

Description	Populate WMI information via ServiceModule
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Smartcard

This group contains the attributes that provides details about iDRAC Smartcard.

iDRAC.SmartCard.SmartCardCRLEnable (Read or Write)

Description	Enables or disables the Certificate Revocation List (CRL).
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SmartCard.SmartCardLogonEnable (Read or Write)

Description	Enables, disables, or enables with Remote RACADM support for access to iDRAC using a smart card
Legal Values	• Disabled-0 • Enabled-1 • Enabled With Racadm-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SNMP

This group contains the attributes that provides details about iDRAC SNMP.

iDRAC.SNMP.AgentCommunity (Read or Write)

Description	Specifies the SNMP community name to be used for SNMP Agents
Legal Values	• String of up to 31 ASCII characters.
Default Value	public
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMP.AgentEnable (Read or Write)

Description	Enables or Disables the SNMP Agent on the iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMP.AlertPort (Read or Write)

Description	Specifies the SNMP Alert Port
Legal Values	• Integral values from 1 to 65535
Default Value	162
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMP.DiscoveryPort (Read or Write)

Description	Specifies the SNMP Discovery Port
Legal Values	• Integral values from 1 to 65535
Default Value	161
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	The port number to be set can not be the same as any other service's port number.

iDRAC.SNMP.EngineID (Read Only)

Description	Specifies SNMP V3 Engine ID to be used to receive the SNMP v3 Trap
Legal Values	• String of up to 60 ASCII characters.

Default Value	0x800002A204010203040506070809
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMP.SNMPProtocol (Read or Write)

Description	SNMP Protocol
Legal Values	• All-0 • SNMPv3-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMP.TrapFormat (Read or Write)

Description	SNMP Trap Format
Legal Values	• SNMPv1-0 • SNMPv2-1 • SNMPv3-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPAlert

NOTE: The iDRAC.SNMP.Alert group is deprecated and replaced with iDRAC.SNMPAlert group.

This group contains the attributes that provides details about iDRAC SNMP Alert.

iDRAC.SNMPAlert.Destination (Read or Write)

Description	Specifies the IPv4, IPv6, FQDN address, or hostname of the target destination to receive alerts. Must be valid IPv4, IPv6, FQDN address, or hostname.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPAlert.SNMPv3UserID (Read Only)

Description	Indicates the index of the iDRAC user that this SNMP alert destination has been configured to use when sending SNMP v3 traps.
Legal Values	• Integral values from 0 to 16
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPAlert.SNMPv3Username (Read or Write)

Description	Specifies the name of the iDRAC user that this SNMP alert destination is configured to use when sending SNMP v3 traps.
Legal Values	• String of up to 16 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	Value to be set must be an existing iDRAC user name, and that iDRAC user must be enabled with SNMPv3 support also enabled for that user.

iDRAC.SNMPAlert.State (Read or Write)

Description	Enable SNMP Alert State
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPTRAPIPv4

This group contains the attributes that provides details about iDRAC SNMP TRAP IPv4.

iDRAC.SNMPTrapIPv4.DestinationNum (Read Only)

Description	Identifier number for the trap destination.
Legal Values	• Integral values from 1 to 4
Default Value	1
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.SNMPTrapIPv4.DestIPv4Addr (Read or Write)

Description	See SNMPAlert.1-4.Destination
Legal Values	• String of up to 15 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.SNMPTrapIPv4.State (Read or Write)

Description	See SNMPAlert.1-4.Enable
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.SNMPTRAPIPv6

This group contains the attributes that provides details about iDRAC SNMP TRAP IPv6.

iDRAC.SNMPTrapIPv6.DestinationNum (Read Only)

Description	Identifier number for the trap destination.
Legal Values	• Integral values from 1 to 4
Default Value	1
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPTrapIPv6.DestIPv6Addr (Read or Write)

Description	See SNMPAlert.5-8.Destination
Legal Values	• String of up to 39 ASCII characters.
Default Value	::
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SNMPTrapIPv6.State (Read or Write)

Description	See SNMPAlert.5-8.Enable
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SSH

This group contains the attributes that provides details about iDRAC SSH.

iDRAC.SSH.Banner (Read or Write)

Description	NA
Legal Values	• String of up to 2048 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SSH.Enable (Read or Write)

Description	Enables or Disables SSH
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SSH.MaxSessions (Read Only)

Description	Maximum number of SSH sessions allowed
Legal Values	• Integral values from 1 to 4
Default Value	4
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SSH.Port (Read or Write)

Description	Specifies the port number for the iDRAC SSH interface
Legal Values	• Integral values from 1 to 65535
Default Value	22
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	The port number to be set can not be the same as any other service's port number.

iDRAC.SSH.Timeout (Read or Write)

Description	Defines the secure shell idle timeout. The special value 0 disables the timeout.
Legal Values	• Integral values from 60 to 10800
Default Value	1800
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.SSHCrypto

This group contains the attributes that provides details about iDRAC SSH crypto.

iDRAC.SSHCrypto.Ciphers (Read or Write)

Description	Specifies the SSH ciphers.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	chacha20-poly1305@openssh.com,aes128-ctr,aes192-ctr,aes256-ctr,aes128-gcm@openssh.com,aes256-gcm@openssh.com
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SSHCrypto.HostKeyAlgorithms (Read or Write)

Description	Specifies the SSH host key algorithms.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	ssh-rsa,rsa-sha2-512,rsa-sha2-256,ecdsa-sha2-nistp256,ssh-ed25519
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SSHCrypto.KexAlgorithms (Read or Write)

Description	Specifies the SSH key exchange algorithms.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	curve25519-sha256,curve25519-sha256@libssh.org,ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-nistp521,diffie-hellman-group-exchange-sha256,diffie-hellman-group16-sha512,diffie-hellman-group18-sha512,diffie-hellman-group14-sha256
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SSHCrypto.MACs (Read or Write)

Description	Specifies the SSH MACs.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	umac-128-etm@openssh.com,hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-sha1-etm@openssh.com,umac-128@openssh.com,hmac-sha2-256,hmac-sha2-512,hmac-sha1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist

This group contains the attributes that provides details about iDRAC SupportAssist.

iDRAC.SupportAssist.DefaultIPAddress (Read or Write)

Description	Default IP address for saving SupportAssist collections to network share.
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultPassword (Read or Write)

Description	Default password for saving SupportAssist collections to network share.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultProtocol (Read or Write)

Description	Default protocol (NFS/CIFS Only) for saving SupportAssist collections.
Legal Values	• NFS-1 • CIFS-2 • HTTP-3 • HTTPS-4 • TFTP-5 • FTP-6
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultProtocolPort (Read or Write)

Description	Default Protocol Port value
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultShareName (Read or Write)

Description	Default share name for saving SupportAssist collections to network share.
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultUserName (Read or Write)

Description	Default user name for saving SupportAssist collections to network share.
Legal Values	• String of up to 320 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.DefaultWorkgroupName (Read or Write)

Description	Default workgroup name for saving SupportAssist collections to network share.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.EmailOptIn (Read or Write)

Description	Option to receive E-mails from Dell on case creation and collection upload.
Legal Values	• No-0 • Yes-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Registration ID needs to be obtained before Email option configuration

iDRAC.SupportAssist.EventBasedAutoCollection (Read or Write)

Description	Indicates whether SupportAssist event based auto collection features is enabled on this system.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Can be enabled only when SupportAssistEnableState is configured to 1-Enabled

iDRAC.SupportAssist.FilterAutoCollections (Read or Write)

Description	Indicates whether auto collections need to be filtered for identification information.
Legal Values	• No-0 • Yes-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.SupportAssist.HostOSProxyAddress (Read or Write)

Description	Host OS proxy address
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	HostOSProxyConfigured should be Yes-1

iDRAC.SupportAssist.HostOSProxyConfigured (Read or Write)

Description	Indicates whether Host OS uses proxy configuration to connect to Internet.
Legal Values	• No-0 • Yes-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.HostOSProxyPassword (Read or Write)

Description	Host OS proxy password
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	HostOSProxyConfigured should be Yes-1

iDRAC.SupportAssist.HostOSProxyPort (Read or Write)

Description	Host OS proxy port
Legal Values	• Integral values from 1 to 65535
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	HostOSProxyConfigured should be Yes-1

iDRAC.SupportAssist.HostOSProxyUserName (Read or Write)

Description	Host OS proxy username
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	HostOSProxyConfigured should be Yes-1

iDRAC.SupportAssist.iDRACFirstPowerUpDateTime (Read Only)

Description	iDRAC's First Power Up Date / Time
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.NativeOSLogsCollectionSupported (Read Only)

Description	Indicates whether Host OS supports native OS logs collection.
Legal Values	• None-0 • FullReport-1 • FilteredReport-2 • Both-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.PreferredLanguage (Read or Write)

Description	Preferred Language for E-mail communication from Dell
Legal Values	• English-0 • German-1 • French-2

- Japanese-3
- Spanish-4
- Simplified Chinese-5

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Registration ID needs to be obtained before changing language settings.

iDRAC.SupportAssist.ProSupportPlusRecommendationsReport (Read or Write)

Description	Indicates whether this server will be included for recommendations in ProSupport Plus Recommendations Report
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	ScheduleBasedAutoCollection is Enabled and set to Weekly or Monthly Schedule

iDRAC.SupportAssist.RegistrationID (Read Only)

Description	Specifies the SupportAssist Registration ID if the system was registered with Dell.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.RequestTechnicianForPartsDispatch (Read or Write)

Description	Indicates whether onsite technician is required to replace the part that is being dispatched for the alert that is being monitored.
Legal Values	• No-0 • Yes-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SupportAssist.SupportAssistEnableState (Read or Write)

Description	Indicates whether SupportAssist auto collection features are enabled on this system.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Registration ID needs to be obtained before SupportAssistEnabledState can be toggled.

iDRAC.SwitchConnectionView

This group contains the attributes that provides details about iDRAC Switch connection view.

iDRAC.SwitchConnectionView.Enable (Read or Write)

Description	This Attribute is for Enabling/Disabling the Switch Connection View.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo

This group contains the attributes that provides details about iDRAC Sysinfo.

iDRAC.SysInfo.AcSysRecovery (Read or Write)

Description	Specifies what State the System will be after AC Recovery
Legal Values	• String of up to 18 ASCII characters.
Default Value	003c003c0058020000
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.BIOSStatus (Read or Write)

Description	Provides BIOS status.
Legal Values	• String of up to 8 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.BladeSlotInfo (Read Only)

Description	Provides blade slot information.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.CMCInfo (Read Only)

Description	Provides CMC information.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.CMCIPv6Info (Read Only)

Description	Provides CMC IPv6 information.
Legal Values	• String of up to 160 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.CMCIPv6Url (Read Only)

Description	Provides the CMC IPv6 URL.
Legal Values	• String of up to 160 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.CMCUrl (Read Only)

Description	Provides the CMC URL.
Legal Values	• String of up to 160 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.FWVersion (Read or Write)

Description	String displays the current System BIOS Version Number
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.GUID (Read or Write)

Description	Specifies the system GUID.
Legal Values	• String of up to 34 ASCII characters.
Default Value	00000000000000000000000000000000
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.LocalConsoleLockOut (Read or Write)

Description	Specifies the local console lockout state.
Legal Values	• Integral values from 0 to 65535
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.POSTCode (Read Only)

Description	Specifies the POST code for the system.
Legal Values	• Integral values from 0 to 65535

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.RebrandInfo (Read or Write)

Description	Provides rebrand information.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.SystemId (Read Only)

Description	Provides the system ID.
Legal Values	• String of up to 4 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.SystemModel (Read Only)

Description	Provides the system model.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.SysInfo.SystemRev (Read or Write)

Description	Provides the system revision.
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Syslog

This group contains the attributes that provides details about iDRAC Syslog.

iDRAC.SysLog.Port (Read or Write)

Description	Remote syslog port number
Legal Values	• Integral values from 1 to 65535
Default Value	514
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.PowerLogEnable (Read or Write)

Description	Enable Power Logs
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.PowerLogInterval (Read or Write)

Description	Set Power Log Interval
Legal Values	• Integral values from 1 to 1440
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.Server1 (Read or Write)

Description	Name of remote syslog server
Legal Values	• String of up to 63 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.Server2 (Read or Write)

Description	Name of remote syslog server
Legal Values	• String of up to 63 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.Server3 (Read or Write)

Description	Name of remote syslog server
Legal Values	• String of up to 63 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.SysLog.SysLogEnable (Read or Write)

Description	Enables or disables remote syslog
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.Telemetry

This group contains the attributes that provides details about iDRAC telemetry.

iDRAC.Telemetry.EnableTelemetry (Read or Write)

Description	Indicates if Telemetry is enabled or disabled on iDRAC.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.RSyslogServer1 (Read or Write)

Description	Displays the Rsyslog server IPv4/IPv6 address or FQDN.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.RSyslogServer1Port (Read or Write)

Description	Displays the RSyslog server port.
Legal Values	• Integral values from 0 to 65535
Default Value	514
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.RSyslogServer2 (Read or Write)

Description	Displays the Rsyslog server IPv4/IPv6 address or FQDN.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.RSyslogServer2Port (Read or Write)

Description	Displays the RSyslog server port.
Legal Values	• Integral values from 0 to 65535
Default Value	514
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.TelemetrySubscription1 (Read Only)

Description	Displays the JSON string describing the current Telemetry subscription by a Redfish client or Rsyslog server.
Legal Values	• String of up to 256 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telemetry.TelemetrySubscription2 (Read Only)

Description	Displays the JSON string describing the current Telemetry subscription by a Redfish client or Rsyslog server.
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryAggregationMetrics

This group contains the attributes that provides details about iDRAC telemetry aggregation metrics.

iDRAC.TelemetryAggregationMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryAggregationMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryAggregationMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 0 to 0
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryAggregationMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryAggregationMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUMemMetrics

This group contains the attributes that provides details about iDRAC telemetry CPU memory metrics.

iDRAC.TelemetryCPUMemMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600

Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUMemMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUMemMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 5 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUMemMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUMemMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPURegisters

This group contains the attributes that provides details about iDRAC telemetry CPU registers.

iDRAC.TelemetryCPURegisters.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPURegisters.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPURegisters.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.

Legal Values	• Integral values from 0 to 0
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPURegisters.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	IERRCriticalTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPURegisters.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUSensor

This group contains the attributes that provides details about iDRAC telemetry CPU sensor.

iDRAC.TelemetryCPUSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	CPUCriticalTrigger, CPUWarnTrigger, TMPCpuCriticalTrigger, TMPCpuWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCPUSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCUPS

This group contains the attributes that provides details about iDRAC telemetry CUPS.

iDRAC.TelemetryCUPS.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCUPS.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCUPS.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 5 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCUPS.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	TMPCpuCriticalTrigger, TMPCpuWarnTrigger
Write Privilege	Configure iDRAC

License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryCUPS.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFanSensor

This group contains the attributes that provides details about iDRAC telemetry fan sensor.

iDRAC.TelemetryFanSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFanSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFanSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFanSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	FANCriticalTrigger, FANWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFanSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFCSensor

This group contains the attributes that provides details about iDRAC telemetry FC sensor.

iDRAC.TelemetryFCSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600

Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFCSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFCSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFCSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFCSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFPGASensor

This group contains the attributes that provides details about iDRAC telemetry FPGA sensor.

iDRAC.TelemetryFPGASensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFPGASensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFPGASensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFPGASensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryFPGASensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUMetrics

This group contains the attributes that provides details about iDRAC telemetry GPU metrics.

iDRAC.TelemetryGPUMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0

- Enabled-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 5 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUStatistics

This group contains the attributes that provides details about iDRAC telemetry GPU statistics.

iDRAC.TelemetryGPUStatistics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUStatistics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUStatistics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 600 to 3600
Default Value	600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryGPUStatistics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter

Dependancy	None

iDRAC.TelemetryGPUStatistics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryMemorySensor

This group contains the attributes that provides details about iDRAC telemetry GPU memory sensor.

iDRAC.TelemetryMemorySensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryMemorySensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryMemorySensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryMemorySensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	MEMCriticalTrigger, MEMWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryMemorySensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICSensor

This group contains the attributes that provides details about iDRAC telemetry NIC sensor.

iDRAC.TelemetryNICSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600

Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICStatistics

This group contains the attributes that provides details about iDRAC telemetry NIC statistics.

iDRAC.TelemetryNICStatistics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICStatistics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICStatistics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.

Legal Values	• Integral values from 60 to 300
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICStatistics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNICStatistics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNVMeSMARTData

This group contains the attributes that provides details about iDRAC telemetry NVMe SMART data.

iDRAC.TelemetryNVMeSMARTData.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 3600
Default Value	3600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNVMeSMARTData.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNVMeSMARTData.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 3600 to 3600
Default Value	3600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNVMeSMARTData.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	NVMeCriticalTrigger, NVMeWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryNVMeSMARTData.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerMetrics

This group contains the attributes that provides details about iDRAC telemetry power metrics.

iDRAC.TelemetryPowerMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 5 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerStatistics

This group contains the attributes that provides details about iDRAC telemetry power statistics.

iDRAC.TelemetryPowerStatistics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerStatistics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0

- Enabled-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerStatistics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerStatistics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPowerStatistics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPSUMetrics

This group contains the attributes that provides details about iDRAC telemetry PSU metrics.

iDRAC.TelemetryPSUMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPSUMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPSUMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryPSUMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	VLTCriticalTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter

Dependancy	None

iDRAC.TelemetryPSUMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySensor

This group contains the attributes that provides details about iDRAC telemetry sensor.

iDRAC.TelemetrySensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60

Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySerialLog

This group contains the attributes that provides details about iDRAC telemetry serial logs.

iDRAC.TelemetrySerialLog.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySerialLog.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.

Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySerialLog.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 20 to 40
Default Value	40
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySerialLog.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetrySerialLog.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageDiskSMARTData

This group contains the attributes that provides details about iDRAC telemetry storage disk SMART data.

iDRAC.TelemetryStorageDiskSMARTData.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 3600
Default Value	3600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageDiskSMARTData.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageDiskSMARTData.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 3600 to 3600
Default Value	3600
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageDiskSMARTData.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	PDRCriticalTrigger, PDRWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter

Dependancy	None

iDRAC.TelemetryStorageDiskSMARTData.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageSensor

This group contains the attributes that provides details about iDRAC telemetry storage sensor.

iDRAC.TelemetryStorageSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryStorageSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalMetrics

This group contains the attributes that provides details about iDRAC telemetry thermal metrics.

iDRAC.TelemetryThermalMetrics.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600

Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalMetrics.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalMetrics.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.
Legal Values	• Integral values from 5 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalMetrics.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	TMPDiskCriticalTrigger, TMPDiskWarnTrigger, TMPCriticalTrigger, TMPWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalMetrics.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalSensor

This group contains the attributes that provides details about iDRAC telemetry thermal sensor.

iDRAC.TelemetryThermalSensor.DevicePollFrequency (Read Only)

Description	Displays the frequency at which the devices are polled.
Legal Values	• Integral values from 0 to 600
Default Value	5
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalSensor.EnableTelemetry (Read or Write)

Description	Enables or disables the Telemetry Report.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalSensor.ReportInterval (Read or Write)

Description	Allows to configure the interval in seconds at which the reports are generated. Configuring the value 0 will stop the interval-based report generation.

Legal Values	• Integral values from 60 to 600
Default Value	60
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalSensor.ReportTriggers (Read or Write)

Description	Allows to configure the predefined triggers for report generation.
Legal Values	• String of up to 512 ASCII characters.
Default Value	TMPCriticalTrigger, TMPWarnTrigger
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.TelemetryThermalSensor.RsyslogTarget (Read or Write)

Description	Enables or disables the transmission of this report to the configured Rsyslog server.
Legal Values	• FALSE-0 • TRUE-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

iDRAC.Telnet

This group contains the attributes that provides details about iDRAC telnet.

iDRAC.Telnet.Enable (Read or Write)

Description	Enables or Disables Telnet
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.Telnet.MaxSessions (Read Only)

Description	Maximum numbers of telnet sessions allowed
Legal Values	• Integral values from 1 to 2
Default Value	2
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.Telnet.Port (Read or Write)

Description	Specifies the port number for the iDRAC Telnet interface
Legal Values	• Integral values from 1 to 65535
Default Value	23
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	The port number to be set can not be the same as any other service's port number.

iDRAC.Telnet.Timeout (Read or Write)

Description	Defines the Telnet idle timeout. The special value 0 disables the timeout.
Legal Values	• Integral values from 60 to 10800
Default Value	1800
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.Time

This group contains the attributes that provides details about iDRAC time.

iDRAC.Time.DayLightOffset (Read or Write)

Description	Specifies the daylight savings offset (in minutes) to use for the iDRAC Time.
Legal Values	• Integral values from 0 to 60
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Time.Timezone (Read or Write)

Description	Time Zone String
Legal Values	• String of up to 32 ASCII characters. **NOTE: Time zone value is case sensitive.**
Default Value	CST6CDT
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Time.TimeZoneOffset (Read or Write)

Description	Specifies the time zone offset (in minutes) from Greenwich Mean Time (GMT)/Coordinated Universal Time (UTC) to use for the iDRAC Time
Legal Values	• Integral values from -43200 to 46800
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Update

This group contains the attributes that provides details about iDRAC update.

NOTE: `fwUpdateIPAddr` attribute is applicable for Monolithic & FX2/FX2s only.

iDRAC.Update.FwUpdateIPAddr (Read or Write)

Description	Specifies the TFTP server address to be used for iDRAC firmware update operations
Legal Values	• String of up to 254 ASCII characters.
Default Value	0.0.0.0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Update.FwUpdatePath (Read or Write)

Description	Specifies TFTP path where iDRAC firmware image resides on TFTP server
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

iDRAC.Update.FwUpdateTFTPEnable (Read or Write)

Description	Enables or Disables iDRAC firmware updates from a TFTP server
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.USB

This group contains the attributes that provides details about iDRAC USB.

iDRAC.USB.ConfigurationXML (Read or Write)

Description	Specifies whether configuration can be performed using USB management port.
Legal Values	• Disabled-0 • Enabled while server has default credential settings only-1 • Enabled-2 • Enabled only for compressed configuration files-3
Default Value	1
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.USB.ManagementPortMode (Read Only)

Description	Provides how USB Management Port is used. **NOTE: The behaviour and legal values of this attribute differs over generations of servers.**
Legal Values	• iDRAC Direct Only-0
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.USB.PortStatus (Read or Write)

Description	Enables or disables the iDRAC front USB port.
Legal Values	• Disabled-0

- Enabled-1

Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.USB.ZipPassword (Read or Write)

Description	Specifies password that is used to unlock zip file containing Server Configuration Profile on USB drive.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

iDRAC.Userdomain

This group contains the attributes that provides details about iDRAC userdomain.

iDRAC.UserDomain.Name (Read or Write)

Description	Specifies the Active Directory user domain name. Must be fully qualified domain name or IP address of the domain controller.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.Users

This group contains the attributes that provides details about iDRAC users.

iDRAC.Users.AuthenticationProtocol (Read or Write)

Description	The Authentication Protocol for SNMP v3
Legal Values	• None-0 • MD5-1 • SHA-2
Default Value	2
Write Privilege	Configure User
License Required	iDRAC Basic

Dependancy	Need valid username and password to set the attribute. The value could not be set to none if privacy protocol is not none.

iDRAC.Users.EmailAddress (Read or Write)

Description	Specifies the email address to use for Simple 2FA for the user.
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to setting a value.

iDRAC.Users.Enable (Read or Write)

Description	Enables or Disables an individual user
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to enabling user

iDRAC.Users.IPMIKey (Read or Write)

Description	IPMI key is used for IPMI authentication
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Need valid username to set the attribute.

iDRAC.Users.IpmiLanPrivilege (Read or Write)

Description	Specifies the maximum privilege on the IPMI LAN channel
Legal Values	• User-2 • Operator-3 • Administrator-4 • No Access-15
Default Value	15
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to sets

iDRAC.Users.MD5v3Key (Read or Write)

Description	Specifies the MD5 hash of the SNMPv3 key
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Cannot be set without User Name being set first

iDRAC.Users.Password (Read or Write)

Description	iDRAC User Password
Legal Values	• String of up to 40 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Cannot be set without User Name being set first

iDRAC.Users.PrivacyProtocol (Read or Write)

NOTE: The `iDRAC.Users.SNMPv3PrivacyType` attribute is deprecated and replaced with `iDRAC.Users.PrivacyProtocol` attribute.

Description	The Privacy Protocol for SNMP v3
Legal Values	• None-0 • DES-1 • AES-2
Default Value	2
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Need valid username and password to set the attribute. The value could not be set to AES or DES if authentication protocol is none.

iDRAC.Users.Privilege (Read or Write)

Description	Specifies the role-based authority privileges allowed for the user. Below list shows the decimal values for each individual privilege. To create a custom privilege, add up the privilege decimal values and set the attribute to the value. Login - 1, Configure - 2, Configure Users - 4, Logs - 8, System Control - 16, Access Virtual Console - 32, Access Virtual Media - 64, System Operations - 128, Debug - 256
Legal Values	• Integral values from 0 to 511
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to sets

iDRAC.Users.ProtocolEnable (Read or Write)

NOTE: The `iDRAC.Users.SNMPv3AuthenticationType` attribute is deprecated and replaced with `iDRAC.Users.ProtocolEnable` attribute.

Description	Enable SNMP v3 Protocol
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	None

iDRAC.Users.SHA1v3Key (Read or Write)

Description	Specifies the SHA1 hash of the SNMPv3 key
Legal Values	• String of up to 40 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Cannot be set without User Name being set first

iDRAC.Users.SHA256Password (Read or Write)

Description	Specifies the SHA256 hash of the password
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Cannot be set without User Name being set first

iDRAC.Users.SHA256PasswordSalt (Read or Write)

Description	Specifies the Salt String appended to the password prior to hash
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both User Name and SHA256 User password must be configured prior to sets

iDRAC.Users.Simple2FA (Read or Write)

Description	Enables or disables Simple 2 Factor Authentication for the user.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Enterprise or iDRAC Datacenter
Dependancy	Both UserName and Password must be configured prior to setting to Enabled.

iDRAC.Users.SolEnable (Read or Write)

Description	Enables or Disables SOL for the user
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to enabling user

iDRAC.Users.UseEmail (Read or Write)

Description	Enables or disables the use of email to communicate the 2FA code to destination defined in EmailAddress for the user.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure User
License Required	iDRAC Enterprise or iDRAC Datacenter
Dependancy	Both UserName and Password must be configured prior to setting to Enabled.

iDRAC.Users.UserName (Read or Write)

Description	iDRAC User Name **NOTE: If there is a space character in the user name, enter the user name in quotes ("user name").**
Legal Values	• String of up to 16 ASCII characters.
Default Value	None
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	No duplicate User Names are allowed

iDRAC.Users.IpmiSerialPrivilege (Read or Write)

Description	Specifies the maximum IPMI Serial privilege
Legal Values	• User-2 • Operator-3 • Administrator-4 • No Access-15
Default Value	15
Write Privilege	Configure User
License Required	iDRAC Basic
Dependancy	Both UserName and Password must be configured prior to sets

iDRAC.vFlashPartition

This group contains the attributes that provides details about iDRAC vFlash partition.

iDRAC.vFlashPartition.AccessType (Read or Write)

Description	vFlash Partition Access Type
Legal Values	• Read Write-0 • Read Only-1
Default Value	1
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created. AttachState should be Detached.

iDRAC.vFlashPartition.AttachState (Read or Write)

Description	vFlash Partition Attach State
Legal Values	• Detached-0 • Attached-1
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created.

iDRAC.vFlashPartition.EmulationType (Read or Write)

Description	vFlash Partition Emulation Type
Legal Values	• CD-DVD-0 • HDD-1 • Floppy-2
Default Value	0

Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created. AttachState should be Detached.

iDRAC.vFlashPartition.FormatType (Read Only)

Description	vFlash Partition Format Type
Legal Values	• RAW-0 • EXT2-1 • EXT3-2 • FAT16-3 • FAT32-4
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created.

iDRAC.vFlashPartition.IsGroupInstanceValid (Read or Write)

Description	vFlash Partition Valid Group
Legal Values	• Invalid-0 • Valid-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.vFlashPartition.Size (Read Only)

Description	vFlash Partition Size
Legal Values	• String of up to 17 ASCII characters.
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created.

iDRAC.vFlashPartition.VolumeLabel (Read Only)

Description	vFlash Partition Volume Label
Legal Values	• String of up to 65 ASCII characters.

Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlash SD card has to be enabled. Partition at the specified index has to be created.

iDRAC.vFlashSD

This group contains the attributes that provides details about iDRAC vFlash SD.

iDRAC.vFlashSD.AvailableSize (Read Only)

Description	vFlash SD Available Size
Legal Values	• String of up to 17 ASCII characters.
Default Value	None
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.vFlashSD.Bitmap (Read or Write)

Description	Bitmap
Legal Values	• String of up to 64 ASCII characters.
Default Value	0x0000000000000000
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.vFlashSD.Enable (Read or Write)

Description	Enable vFlash SD
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.vFlashSD.Health (Read Only)

Description	vFlash SD Health
Legal Values	• OK-0 • Critical-1

- Warning-2
- Unknown-3

Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.vFlashSD.Initialized (Read Only)

Description	Specifies if vFlash SD is initialized
Legal Values	• Not Initialized-0 • Initialized-1
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.vFlashSD.Licensed (Read Only)

Description	Specifies if the vFlash SD is licensed
Legal Values	• Not Licensed-0 • Licensed-1
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.vFlashSD.Presence (Read or Write)

Description	vFlash SD card presence
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

iDRAC.vFlashSD.Signature (Read or Write)

Description	Signature
Legal Values	• String of up to 64 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.vFlashSD.Size (Read Only)

Description	vFlash SD Size
Legal Values	• String of up to 17 ASCII characters.
Default Value	None
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.vFlashSD.WriteProtect (Read Only)

Description	Enable vFlash SD Write Protect
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Virtual Media
License Required	iDRAC Enterprise
Dependancy	vFlashSD has to be enabled

iDRAC.VirtualConsole

This group contains the attributes that provides details about iDRAC virtual console.

iDRAC.VirtualConsole.AccessPrivilege (Read or Write)

Description	Specifies the default action upon session sharing request timeout
Legal Values	• Full Access-0 • Read Only Access-1 • Deny Access-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.ActiveSessions (Read Only)

Description	Specifies current active number of Virtual Console sessions.

Legal Values	• Integral values from 0 to 6
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.AttachState (Read or Write)

Description	Specifies the attach state for the Virtual Console.
Legal Values	• Detached-0 • Attached-1 • Auto-attach-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.Enable (Read or Write)

Description	Enables or disables the Virtual Console.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.EncryptEnable (Read or Write)

Description	Encrypts the video in a Virtual Console session.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.LocalDisable (Read or Write)

Description	Enables/disables the video signal on the local video port of the server.
Legal Values	• Disabled-0 • Enabled-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.LocalVideo (Read or Write)

Description	Enables or disables the local server video.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.MaxSessions (Read or Write)

Description	Specifies maximum number of Virtual Console sessions.
Legal Values	• Integral values from 1 to 6
Default Value	6
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.PluginType (Read or Write)

Description	Specifies the plugin type to use when running Virtual Console from a browser.
Legal Values	• ActiveX-0 • Java-1 • HTML5-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.Port (Read or Write)

Description	Specifies the virtual KVM port.
Legal Values	• Integral values from 10 to 65535
Default Value	5900
Write Privilege	Configure iDRAC

License Required	iDRAC Express or iDRAC Enterprise
Dependancy	The port number to be set can not be the same as any other service's port number.

iDRAC.VirtualConsole.Timeout (Read or Write)

Description	Specifies the idle timeout in seconds for the Virtual Console.
Legal Values	• Integral values from 60 to 10800
Default Value	1800
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.TimeoutEnable (Read or Write)

Description	Specifies if timeout is enabled for the Virtual Console
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualConsole.WebRedirect (Read or Write)

Description	Redirect virtual console and virtual media traffic through the iDRAC web server port.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia

This group contains the attributes that provides details about iDRAC virtual media.

iDRAC.VirtualMedia.ActiveSessions (Read Only)

Description	Provides the number of Virtual Media sessions that are currently active.
Legal Values	• Integral values from 0 to 1
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.Attached (Read or Write)

Description	Used to attach virtual devices to the system via the USB bus
Legal Values	• Detached-0 • Attached-1 • AutoAttach-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.BootOnce (Read or Write)

Description	Enables or Disables the virtual media boot once feature of the iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.Enable (Read or Write)

Description	Enables or disables the Virtual Media.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.EncryptEnable (Read or Write)

Description	Encrypts the video in a Virtual Media session
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise

Dependancy	None

iDRAC.VirtualMedia.FloppyEmulation (Read or Write)

Description	When Disabled, the virtual floppy disk is recognized as a removable disk by Windows OS
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.KeyEnable (Read or Write)

Description	Enables or Disables the virtual media key feature of the iDRAC
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRAC.VirtualMedia.MaxSessions (Read Only)

Description	Provides the maximum number of the Virtual Media sessions allowed.
Legal Values	• Integral values from 0 to 1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

iDRC.VNCServer

This group contains the attributes that provides details about iDRAC VNC server.

iDRAC.VNCServer.ActiveSessions (Read Only)

Description	VNC Server Current Active VNC Sessions
Legal Values	• Integral values from 0 to 2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise

Dependancy	None

iDRAC.VNCServer.Enable (Read or Write)

Description	Enable VNC Server
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.LowerEncryptionBitLength (Read or Write)

Description	Enable VNC Lower Encryption Bit Length
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.MaxSessions (Read or Write)

Description	VNC Server Maximum Session Allowed
Legal Values	• Integral values from 1 to 2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.Password (Read or Write)

Description	VNC Server Password
Legal Values	• String of up to 8 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.Port (Read or Write)

Description	VNC Server Port
Legal Values	• Integral values from 1024 to 65535
Default Value	5901
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.SSLEncryptionBitLength (Read or Write)

Description	VNC SSL Encryption Bit Length
Legal Values	• Disabled-0 • Auto Negotiate-1 • 128-Bit or higher-2 • 168-Bit or higher-3 • 256-Bit or higher-4
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.VNCServer.Timeout (Read or Write)

Description	VNC Server Timeout
Legal Values	• Integral values from 60 to 10800
Default Value	300
Write Privilege	Configure iDRAC
License Required	iDRAC Enterprise
Dependancy	None

iDRAC.WebServer

This group contains the attributes that provides details about iDRAC web server

iDRAC.WebServer.CustomCipherString (Read or Write)

Description	Specifies the custom cipher string to filter the available in-use TLS cipher suite (e.g. DEFAULT:CAMELLIA). **NOTE: These strings are case sensitive**
Legal Values	• String of up to 512 ASCII characters.
Default Value	None

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.Enable (Read or Write)

Description	Enables or Disables iDRAC WebServer
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.HttpPort (Read or Write)

Description	Specifies the port number for HTTP communication with the iDRAC
Legal Values	• Integral values from 1 to 65535
Default Value	80
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.HttpsPort (Read or Write)

Description	Specifies the port number for HTTPS communication with the iDRAC
Legal Values	• Integral values from 1 to 65535
Default Value	443
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.HttpsRedirection (Read or Write)

Description	Enable HTTPS redirection
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.LowerEncryptionBitLength (Read or Write)

Description	Lower Encryption Bit Length
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.MaxNumberOfSessions (Read Only)

Description	Max session allowed
Legal Values	• Integral values from 1 to 8
Default Value	8
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.SSLEncryptionBitLength (Read or Write)

Description	Specifies the SSL encryption bit length. **NOTE: If SSL encryption is set to 256-bit or higher, the cryptography settings for your virtual machine environment (JVM, IcedTea) may require installing the Unlimited Strength java Cryptography Extension Policy Files to permit usage of the iDRAC plugins such as vConsole with level of encryption. For information about installing the policy files, see documentation for Java.**
Legal Values	• Auto-Negotiate-0 • 128-Bit or higher-1 • 168-Bit or higher-2 • 256-Bit or higher-3
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.Timeout (Read or Write)

Description	Specifies the web server idle timeout.
Legal Values	• Integral values from 60 to 10800

Default Value	1800
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.TitleBarOption (Read or Write)

Description	Specifies what to display in the title bar.
Legal Values	• Auto-1 • DNS RAC Name-2 • IP Address-3 • Service Tag-4 • System Host Name-5 • Custom-6
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.TitleBarOptionCustom (Read or Write)

Description	Specifies the custom title when the title bar option is Custom.
Legal Values	• String of up to 30 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

iDRAC.WebServer.TLSProtocol (Read or Write)

Description	Specifies the TLS protocol version support.
Legal Values	• TLS 1.0 and Higher-0 • TLS 1.1 and Higher-1 • TLS 1.2 Only-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

5

Lifecycle Controller Attributes

This section provides details about the Lifecycle Controller attribute groups and objects.

Topics:

- LifecycleController.LCAttributes
- LifecycleController.OSD

LifecycleController.LCAttributes

This group contains the Lifecycle controller LC attributes details.

NOTE: A job successfully configured using the autoupdate or autobackup feature settings can be deleted only if the job is currently not running or downloading.

LifecycleController.LCAttributes.AutoBackup (Read or Write)

Description	Enables or disables the automatic backup scheduler.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.AutoDiscovery (Read Only)

Description	Indicates if Auto Discovery feature is turned off or on.
Legal Values	• Off-0 • On-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.AutoUpdate (Read or Write)

Description	Enables or disables the automatic update scheduler.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.BIOSRTDRequested (Read or Write)

Description	Allows to reset all the BIOS attributes to the default state. After this property is enabled, restart the server to view the default values of BIOS.
Legal Values	• False-0 • True-1 • OEMIDDefaults-2
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.CollectSystemInventoryOnRestart (Read or Write)

Description	Enables or disables collection of system inventory on host reboot.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.DiscoveryFactoryDefaults (Read Only)

Description	Off- Do not reset to factory defaults when performing auto discovery. On-Reset to defaults when performing auto discovery.
Legal Values	• Off-0

- On-1

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.IgnoreCertWarning (Read or Write)

Description	Ignore Certificate warning default when not provided.
Legal Values	• Off-0 • On-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.IPAddress (Read or Write)

Description	IP Address of the network share
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.IPChangeNotifyPS (Read or Write)

Description	On- Notify provisioning server of an IP change. Off- Do not notify provisioning server of an IP change.
Legal Values	• Off-0 • On-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.Licensed (Read Only)

Description	Indicates if the Part Replacement feature is licensed or not
Legal Values	• No-0 • Yes-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.LifecycleControllerState (Read or Write)

Description	Enables or disables Lifecycle Controller.
Legal Values	• Disabled-0 • Enabled-1 • Recovery-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.PartConfigurationUpdate (Read or Write)

Description	Apply hardware configuration to the replaced part on part replacement.
Legal Values	• Disabled-0 • Apply Always-1 • Apply only if Firmware Match-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.PartFirmwareUpdate (Read or Write)

Description	Apply firmware changes to the replaced part on part replacement.
Legal Values	• Disable-0 • Allow version upgrade only-1 • Match firmware of replaced part-2

Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.ProvisioningServer (Read or Write)

Description	Provisioning server address and port.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

LifecycleController.LCAttributes.StorageHealthRollupStatus (Read Only)

Description	Specifies the storage health rollup status.
Legal Values	• Integral values from 1 to 4
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.SystemID (Read Only)

Description	Dell System ID
Legal Values	• String of up to 4 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.UserProxyPassword (Read or Write)

Description	Proxy Password default if not provided
Legal Values	• String of up to 64 ASCII characters.
Default Value	None

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.UserProxyPort (Read or Write)

Description	Proxy Port default if not provided. Proxy Port is limited to values in the range of 0 - 65535.
Legal Values	• String of up to 5 ASCII characters.
Default Value	80
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.UserProxyServer (Read or Write)

Description	Proxy Server default if not provided.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.UserProxyType (Read or Write)

Description	Proxy Type default if not provided
Legal Values	• HTTP-0 • SOCKS-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.UserProxyUserName (Read or Write)

Description	Proxy User name default if not provided.

Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

LifecycleController.LCAttributes.VirtualAddressManagementApplication (Read or Write)

Description	The console name of the Virtual Address Management Application,VirtualAddressManagement attribute is set to CurrentValue equals "Console".
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependancy	None

LifecycleController.OSD

This group contains the Lifecycle controller OSD attributes details.

LifecycleController.OSD.AnswerFileName (Read Only)

Description	Specifies the Name of the Answer File present on the share to be used for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.ExposeDuration (Read Only)

Description	Specifies the Duration to attach the drivers and OS media to host server. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 6 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaHashType (Read Only)

Description	Specifies the type of hash algorithm used to compute the checksum of the ISO. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaHashValue (Read Only)

Description	Specifies the checksum value in string format of the ISO computed using the OS Media Hash Type algorithm. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 6 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaName (Read Only)

Description	Specifies the Name of the OS media present on the share to be used for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaShareDomainName (Read Only)

Description	Specifies the Domain Name of the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaShareIP (Read Only)

Description	Specifies the IP Address of the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaShareName (Read Only)

Description	Specifies the Share Name of the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaSharePassword (Read Only)

Description	Specifies the Password for the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaShareType (Read Only)

Description	Specifies the Type of the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 6 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSMediaShareUsername (Read Only)

Description	Specifies the Username for the share that contains OS media for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.OSName (Read Only)

Description	Specifies the name of the Operating System for which drivers need to be attached. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

LifecycleController.OSD.SupportedOSList (Read Only)

Description	Lists all the supported Operating Systems for OS Deployment. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	None

6

NIC Attributes

This section provides details about the NIC attribute groups and objects.

Topics:

- NIC.ConfigureFormn
- NIC.DCBSettings
- NIC.DeviceLevelConfig
- NIC.FCOECapabilities
- NIC.FCOEConfiguration
- NIC.FCOEGenParams
- NIC.FrmimgMenu
- NIC.GlobalBandwidthAllocation
- NIC.iSCSIConfig
- NIC.IscsiFirstTgtParams
- NIC.IscsiGenParams
- NIC.IscsiInitiatorParams
- NIC.IscsiSecondaryDeviceParams
- NIC.IscsiSecondTgtParams
- NIC.NICConfig
- NIC.NICPartitioningConfig
- NIC.PortLevelConfig
- NIC.VndrConfigGroup

NIC.ConfigureFormn

The following section provides information about the objects in the `NIC.ConfigureFormn` group.

NOTE: Autocomplete will not work if you replace n with the index in this object. You have to type NIC.ConfigureFormn and press tab to view the list of attributes.

NIC.ConfigureFormn.BusDeviceFunction (Read Only)

Description	The value of this attribute depends on the state of the NParEP Mode setting. If NParEP Mode is Disabled, the value is the BIOS assigned PCIe Bus:Device:Function identifier. If NParEP Mode is Enabled, the value is the BIOS assigned PCIe Bus:Function identifier. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.FCoEOffloadMode (Read or Write)

Description	Enable/Disable the FCoE personality on the partition. Replace n with the number of the partition.
Legal Values	• Enabled

- Disabled

Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.FIPMacAddr (Read Only)

Description	Permanent FIP-MAC address for FCoE assigned during manufacturing. Specified on a per partition basis. Replace n with the number of the partition. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.InstanceNumber (Read Only)

Description	Numeric instance of the partition (e.g. 1st, 2nd, etc.) on the port it belongs to. This identifier is unique for each partition on the port. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.IscsiFIPMacAddr (Read Only)

Description	Permanent combination MAC address for iSCSI offload and FIP for FCoE assigned during manufacturing. Specified on a per partition basis. Replace n with the number of the partition. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.IscsiMacAddr (Read Only)

Description	Permanent MAC address for iSCSI offload assigned during manufacturing. Specified on a per partition basis. Replace n with the number of the partition. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None

Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.iScsiOffloadMode (Read or Write)

Description	Enable/Disable the iSCSI offload personality on the partition. Replace n with the number of the partition.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.L2FIPMacAddr (Read Only)

Description	Permanent combination Ethernet and FIP-MAC address for FCoE assigned during manufacturing. Specified on a per partition basis. Replace n with the number of the partition. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.L2IscsiFIPMacAddr (Read Only)

Description	The Permanent combination Ethernet, iSCSI Offload and FIP for FCoE MAC address of the partition assigned during manufacturing. Replace n with the number of the partition. The current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.L2IscsiMacAddr (Read Only)

Description	The Permanent combination Ethernet and iSCSI Offload MAC address of the partition assigned during manufacturing. Replace n with the number of the partition. The current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.MacAddr (Read Only)

Description	The Permanent MAC address of the partition assigned during manufacturing. Replace n with the number of the partition. The current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.NicMode (Read or Write)

Description	Enable/Disable the NIC personality on the partition. Replace n with the number of the partition. Note: This personality type should be specified as the partition 1 default if RDMA is not supported or has dependencies on other device modes or settings. The default setting should be disabled for other partitions on the port.
Legal Values	• Enabled • Disabled
Default Value	Varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.NodeGuid (Read Only)

Description	The permanent partition Node GUID assigned to the partition (PF) during manufacturing used when more than one PF is assigned to the port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.NumberVFAdvertised (Read or Write)

Description	This value is the number of PCI Virtual Functions Advertised by the partition in PCI config space when operating in the NPar+SR-IOV virtualization mode. The value of this attribute may be the same across partitions or be settable on an individual partition basis depending on implementation. Note: This attribute is only defined for the browser and does NOT have any x-UEFI mapping. VF allocation is set via the VFDistribution attribute in x-UEFI. There will

be an instance of this attribute for each partition. Replace n in the AttributeName with the number of the partition.

Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.NumberVFSupported (Read Only)

Description	The number of Virtual Functions supported per partition. There will be an instance of this attribute for each partition. Replace n in the AttributeName with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.PCIDeviceID (Read Only)

Description	PCI Device ID of the partition. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.PortGuid (Read Only)

Description	The permanent Port GUID assigned to the partition (PF) during manufacturing used when more than one PF is assigned to the port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.PortNumber (Read Only)

Description	Port that the partition belongs to. Replace n with the number of the partition.
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.SVID (Read or Write)

Description	When Switch Dependent Partitioning (SDP) is enabled,each partition will be assigned a pre-set Switch VLAN Identifier (SVID).The partitions are available for mapping to uplink ports at server I/O Module (IOM) as part of partition zoning. All packets sent from the switch to the NIC must be S-tagged when in SDP mode is enabled. Non-tagged packets will be dropped. When SDP is disabled SVID will be greyed out or disabled. There will be an instance of this attribute for each partition.Replace n with the number of the partition.The default value shall be number of the partitioning starting from 1001.
Legal Values	None
Default Value	1,001,100,210,031,000
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtFIPMacAddr (Read or Write)

Description	Programmatically assignable FIP-MAC address for FCoE. Virtual addresses written will also generate corresponding VWWNN and VWWPN addresses as defined in Y741D. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtIscsiFIPMacAddr (Read or Write)

Description	Programmatically assignable combination iSCSI Offload and FIP-MAC address for FCoE. Virtual addresses written will also generate corresponding VWWNN and VWWPN addresses as defined in Y741D. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtIscsiMacAddr (Read or Write)

Description	Programmatically assignable MAC address for iSCSI offload. Programmatic write for support of I/O Identity feature. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtL2FIPMacAddr (Read or Write)

Description	Programmatically assignable combination FIP-MAC address for FCoE. Virtual addresses written will also generate corresponding VWWNN and VWWPN addresses as defined in Y741D. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtL2IscsiFIPMacAddr (Read or Write)

Description	Programmatically assignable combination Ethernet, iSCSI Offload and FIP-MAC address for FCoE. Virtual addresses written will also generate corresponding VWWNN and VWWPN addresses as defined in Y741D. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtL2IscsiMacAddr (Read or Write)

Description	Programmatically assignable combination MAC address for Ethernet and iSCSI offload. Programmatic write for support of I/O Identity feature. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it

has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.

Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtMacAddr (Read or Write)

Description	Programmatically assignable MAC address. Programmatic write for support of I/O Identity feature. Replace n with the number of the partition. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature and partition enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtNodeGuid (Read or Write)

Description	Programmatically assignable partition Node GUID address used when more than one PF is assigned to the port. Programmatic write for support of I/O Identity feature. The supported method of reverting to the permanent partition Node GUID address is by writing 0's to the virtual partition Node GUID. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's.
Legal Values	None
Default Value	0000:0000:0000:0000
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtPortGuid (Read or Write)

Description	Programmatically assignable partition Port GUID address used when more than one PF is assigned to the port. Programmatic write for support of I/O Identity feature. The supported method of reverting to the permanent partition GUID address is by writing 0's to the virtual partition GUID. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's.
Legal Values	None
Default Value	0000:0000:0000:0000
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtWWN (Read or Write)

Description	Programmatically assignable Fibre Channel World Wide Node Name identifier for FCoE. Virtual addresses written will also be modified by subsequent writes to the VirtFIP-MAC addesss as defined in Y741D. Replace n with the number of the partition. The supported method of clearing this virtual address is by writing 0's as the address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. .
Legal Values	None
Default Value	00:00:00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.VirtWWPN (Read or Write)

Description	Programmatically assignable Fibre Channel World Wide Port Name identifier for FCoE. Virtual addresses written will also be modified by subsequent writes to the VirtFIP-MAC addesss as defined in Y741D. Replace n with the number of the partition. The supported method of clearing this virtual address is by writing 0's as the address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's.
Legal Values	None
Default Value	00:00:00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.WWN (Read Only)

Description	Fibre Channel World Wide Node Name identifier for FCoE. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.ConfigureFormn.WWPN (Read Only)

Description	Fibre Channel World Wide Port Name identifier for FCoE assigned during manufacturing. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings

The following section provides information about the objects in the `NIC.DCBSettings` group.

NIC.DCBSettings.CongestionNotification (Read Only)

Description	Indicates whether Congestion Notification capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.EnhancedTransmissionSelection (Read Only)

Description	Indicates whether Enhanced Transmission Selection capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityFlowControl (Read Only)

Description	Indicates whether the Priority Flow Control capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup0BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 0. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup0ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 0.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup15BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 15. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup15ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 15.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup1BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 1. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup1ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 1.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup2BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 2. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup2ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 2.
Legal Values	• All other LAN • iSCSI

- FCoE
- RoCE
- None

Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup3BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 3. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup3ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 3.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup4BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 4. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.DCBSettings.PriorityGroup4ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 4.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup5BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 5. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup5ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 5.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup6BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 6. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup6ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 6.
Legal Values	• All other LAN • iSCSI • FCoE • RoCE • None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup7BandwidthAllocation (Read or Write)

Description	Indicates the percentage of total port bandwidth is assigned to Priority Group 7. The summation of bandwidth allocations from all Priority Groups must equal 100%. Note: NO X-UEFI Mapping
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroup7ProtocolAssignment (Read or Write)

Description	Indicates what protocol is assigned to Priority Group 7.
Legal Values	• All other LAN • iSCSI

- FCoE
- RoCE
- None

Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DCBSettings.PriorityGroupBandwidthAllocation (Read or Write)

Description	Defines the allocation of network port bandwidth by Priority Group. Bandwidth allocation values are provided in a colon-separated list for all Priority Groups without omission. Values in the list from left to right apply to PG0-7 and PG15 inclusively (e.g. PG0BW:PG1BW:PG2BW:PG3BW:PG4BW:PG5BW:PG6BW:PG7BW:PG15BW). The sum of all Priority Group allocations must equal 100.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig

The following section provides information about the objects in the `NIC.DeviceLevelConfig` group.

NOTE: To get the actual supported values for BIOS, NIC, and FC components, query the help with an index. If you query without an index, the generic help is displayed.

NIC.DeviceLevelConfig.NICPartitioningConfig (Read Only)

Description	The HII form for NIC Partitioning Configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.NParEP (Read or Write)

Description	Controls enablement of NParEP mode in which more than 8 PCI Physical Functions are exposed by the device. When disabled, the device must expose only a maximum of 8 PFs in the traditional PCI B:D:F addressing mode, regardless of any ARI capability being advertised for SR-IOV support. [Not to be implemented if not supported] Note: Not all PCI slots in all servers are capable of supporting virtualization features based on ARI and SR-IOV. The controller should check PCI config space settings to ensure that vitualization modes are available before allowing their selection by the user.
Legal Values	• Enabled

- Disabled

Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.NPCP (Read or Write)

Description	Allows the use of Network Partition Control Protocol to be enabled or disabled when a network adapter is operating in Switch Dependent Partitioning mode. Note: Preliminary attribute definition only, based on the information available at the time of publication. Subject to change.
Legal Values	• Enabled • Disabled
Default Value	Enabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.NumberPCIFunctionsSupported1 (Read Only)

Description	Defines the maximum number of PFs that can be enabled within the domain specified by VFAllocBasis.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.NumberVFSupported (Read Only)

Description	The total number of PCI Virtual Functions supported on this port (or device). Whether the number applies to the device as a whole, or to an individual port, is indicated by the value of the Virtual Function Allocation Basis.
Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.NumPorts (Read or Write)

Description	Configuration control for Controllers that have the ability to support different port counts per SFF (e.g., SFP-DD, QSFP) or backplane interface. Controllers on implementations that are fixed in their number of ports shall not

implement this attribute. This attribute is defined as device-level due to symmetry expectations, if symmetry is not a requirement, it should be implemented at the port level.

Legal Values
- 1
- 2
- 4
- 8

Default Value varies

Write Privilege None

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

NIC.DeviceLevelConfig.PartitionStateInterpretation (Read Only)

Description Describes how partitioning is implemented and how the PartitionState attribute is used in the controller. A value of Fixed signifies that partition states are locked and that the current values of PartitionState[n] will not change. A value of Variable signifies that PartitionState[n] may/will change values during the course of device operation as a result of user configuration. Implementations that support changes in PartitionState must implement this attribute. The Default value is implementation dependent.

Legal Values
- Fixed
- Variable

Default Value None

Write Privilege None

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

NIC.DeviceLevelConfig.RDMAApplicationProfile (Read or Write)

Description Indicates what RDMA configuration profiles are supported by the controller. [Vendor input requested if 1) additional profiles are thought to be needed, 2) if the appl profile can vary by port or partitionm and 3) if appl profiles are supported on a partition basis]. Note: RoCE 1 and RoCE 2 are vendor-specific profiles and should not be interpreted as a version of RoCE.

Legal Values
- Storage
- HPCC
- RoCE 1
- RoCE 2

Default Value None

Write Privilege None

License Required iDRAC Express or iDRAC Enterprise

Dependency Not applicable

NIC.DeviceLevelConfig.RDMAProtocolSupport (Read Only)

Description	Indicates what RDMA protocol support is enabled by the controller. Implement as ReadOnly and browser suppressed if the controller only supports one type of RDMA; R/W and not browser suppressed if multiple settings are supported and selectable. [Vendor to provide default setting information]
Legal Values	• iWARP • RoCE • iWARP + RoCE
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.RDMASupport (Read Only)

Description	Capability indicator for controllers supporting Remote Direct Memory Management (RDMA), the remote memory management capability that allows server to server data movement directly between application memory without any CPU involvement.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.SRIOVSupport (Read Only)

Description	Indicates whether SR-IOV capability is supported
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.TotalNumberLogicalPorts (Read or Write)

Description	Indicates total number of logical ports across all physical ports that are supported per device. Logical ports are distributed equally across physical ports
Legal Values	• 2 • 8

Default Value	2
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.VFAllocBasis (Read Only)

Description	Defines the domain in which Virtual Functions are allocated; either Port or Device. Note: A device which implements less than 1 PF per physical port must use Device level VF allocation.
Legal Values	• Port • Device
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.VFAllocMult (Read Only)

Description	Defines the multiple (e.g. x1, x4, x8, etc.) in which VFs must be allocated to a PF.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.DeviceLevelConfig.VirtualizationMode (Read or Write)

Description	The Virtualization Mode setting for the device. Note: Not all PCI slots in all servers are capable of supporting virtualization features based on ARI and SR-IOV. The implementation shall check the state of the ARI forwarding bit in the immediate upstream PCI port's config space settings (Device Control Register 2, bit 5) to ensure that it is set before before allowing the selection of SR-IOV and NParEP by the user, if not, those selections shall be disallowed.
Legal Values	• None • NPar • SR-IOV • NPar + SR-IOV
Default Value	NONE
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NOTE: For Emulex cards, the `VirtualizationMode` attribute is found under the `VndrConfigPage` group instead of the `DeviceLevelConfig` group.

NIC.FCOECapabilities

The following section provides information about the objects in the `NIC.FCOECapabilities` group.

NIC.FCOECapabilities.AddressingMode (Read Only)

Description	Addressing Mode utilized for FCoE transactions
Legal Values	• SPMA • FPMA
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxFrameSize (Read Only)

Description	The maximum frame size of each FCoE frame.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxIOsPerSession (Read Only)

Description	The maximum number of IOs supported per session.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxNPIVPerPort (Read Only)

Description	The maximum number of NPIV WWNs per port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxNumberExchanges (Read Only)

Description	The maximum number of exchanges supported.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxNumberLogins (Read Only)

Description	The maximum number of logins supported per port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxNumberOfFCTargets (Read Only)

Description	The maximum number of FC targets supported.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOECapabilities.MaxNumberOutStandingCommands (Read Only)

Description	The maximum number of outstanding commands supported across all sessions.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOEConfiguration

The following section provides information about the objects in the `NIC.FCOEConfiguration` group.

NIC.FCoEConfiguration.BootOrderFirstFCoETarget (Read or Write)

Description	Setting to specify whether and in what order a boot from the port's first defined target is attempted. The current implementation allows for four potential boot targets to be defined per FCoE boot-capable port. Each target carries a boot order attribute. From all of the targets defined in all the vendors FCoE boot ports in the system, the user may select a maximum of four targets to attempt to boot from, assigning a boot order value from one to four (first to last). Targets not selected must be given a value of 0. The settings of one to four must be unique in the system; there must be no duplication of the values one to four in either the same port or in different ports across the system. The driver will enforce this requirement (a target previously assigned a boot order value of x is set to 0 when a new target is assigned a value of x).
Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.BootOrderFourthFCoETarget (Read or Write)

Description	Setting to specify whether and in what order a boot from the ports fourth defined target is attempted.
Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.BootOrderSecondFCoETarget (Read or Write)

Description	Setting to specify whether and in what order a boot from the ports second defined target is attempted.
Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.BootOrderThirdFCoETarget (Read or Write)

Description	Setting to specify whether and in what order a boot from the port's third defined target is attempted.
Legal Values	• N/A

Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.ConnectFirstFCoETarget (Read or Write)

Description	Setting to enable whether first target connection is attempted.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.FCoEGenParams (Read Only)

Description	HII form for FCoE General Parameters configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.FCoEGenParamsRef (Read Only)

Description	Link to the FCoE General Parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.FirstFCoEBootTargetLUN (Read or Write)

Description	LUN of the first FCoE storage target that the FCoE initiator will boot the system from when the Connect attribute is enabled.
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.FirstFCoEFCFVLANID (Read or Write)

Description	Attribute for configuring the VLAN ID to be used to connect to the first FC storage target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.FirstFCoEWWPNTarget (Read or Write)

Description	World Wide Port Name of the first FCoE storage target. Note: At present, the Dell FCoE information model only defines one storage target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEConfiguration.MTUParams (Read or Write)

Description	Configure scoping of the MTU setting.
Legal Values	• Global • Per DCB Priority • Per VLAN
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCOEGenParams

The following section provides information about the objects in the `NIC.FCOEGenParams` group.

NIC.FCoEGenParams.FCoEBootScanSelection (Read or Write)

Description	Configuration of the port's behavior in booting the system from FC Target(s). Only behaviors supported by the option-ROM need to be implemented. In the following cases, no fabric discovery shall be attempted: Disabled - Initiator does not attempt to boot. Specified LUN - Initiator attempts to boot to the specified World Wide Port Name and LUN for 1st target, if that fails then a boot using the 2nd target parameters shall be attempted. In the following cases, fabric discovery shall be attempted and the resulting discovered targets will be put in a list sorted by the reported FC destination ID. This list will be checked in order until the selected LUN policy is met: First LUN - attempt boot from the first bootable LUN of the targets discovered by adapter. First LUN 0 - attempt boot from the first bootable LUN 0 of the targets discovered by adapter. First LUN Not LUN 0 - attempt boot from the first bootable LUN that is not LUN 0 of the targets discovered by adapter. Fabric Discovered LUN - attempt boot based on the LUN assignment provided by management infrastructure in the fabric.
Legal Values	• Disabled • First LUN • First LUN 0 • First LUN Not LUN 0 • Fabric Discovered LUN • Specified LUN
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEGenParams.FCoEFabricDiscoveryRetryCnt (Read or Write)

Description	Retry count for FCoE fabric discovery.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEGenParams.FCoEFirstHddTarget (Read or Write)

Description	Specifies whether the FCoE target is represented as the first HDD to the system.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEGenParams.FCoELnkUpDelayTime (Read or Write)

Description	Controls how long the FCoE initiator waits, in seconds, after an Ethernet link is established before sending any data over the network
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEGenParams.FCoELunBusyRetryCnt (Read or Write)

Description	Controls the number of connection retries the FCoE boot initiator will attempt if the FCoE target LUN is busy.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FCoEGenParams.FCoETgtBoot (Read or Write)

Description	Attribute for setting whether system boot to the FCoE target is attempted.
Legal Values	• Enabled • Disabled • One Time Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FrmimgMenu

The following section provides information about the objects in the `NIC.FrmimgMenu` group.

NIC.FrmwImgMenu.ControllerBIOSVersion (Read Only)

Description	Controller BIOS version information
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FrmwImgMenu.EFIVersion (Read Only)

Description	EFI device driver version information.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.FrmwImgMenu.FamilyVersion (Read Only)

Description	Firmware family version information. Same as what is returned in the PackageVersionName field by the Firmware Management Protocol GetPackageInfo() call.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.GlobalBandwidthAllocation

The following section provides information about the objects in the `NIC.GlobalBandwidthAllocation` group.

NIC.GlobalBandwidthAllocation.MaxBandwidth (Read or Write)

Description	The maximum percentage of port TX bandwidth allocated to the partition. Oversubscription is allowed. Specified on a per partition basis. Replace n with the number of the partition.
Legal Values	None
Default Value	100
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.GlobalBandwidthAllocation.MinBandwidth (Read or Write)

Description	The minimum percentage of port TX bandwidth allocated to the partition. Alternatively, this value represents a relative bandwidth weighting of partition traffic to other partitions. Specified on a per partition basis. Replace n with the number of the partition.

Legal Values	None
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig

The following section provides information about the objects in the `NIC.iSCSIConfig` group.

NIC.iSCSIConfig.IscsiFirstTgtParams (Read Only)

Description	HII form title for the first iSCSI target configuration parameters.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiFirstTgtParamsRef (Read Only)

Description	Link to the iSCSI First Target Parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiGenParams (Read Only)

Description	HII form title for the iSCSI General Parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiGenParamsRef (Read Only)

Description	Link to the iSCSI General Parameters configuration form.
Legal Values	None
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiInitiatorParams (Read Only)

Description	HII form title for the iSCSI initiator configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiInitiatorParamsRef (Read Only)

Description	Link to the iSCSI Initiator parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiSecondaryDeviceParams (Read Only)

Description	The HII form title for the secondary iSCSI Device parameters form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiSecondaryDeviceParamsRef (Read Only)

Description	The link to the iSCSI Secondary Device Parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiSecondTgtParams (Read Only)

Description	The HII form title for the second iSCSI target configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.iSCSIConfig.IscsiSecondTgtParamsRef (Read Only)

Description	The link to the iSCSI Second Target Parameters configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams

The following section provides information about the objects in the `NIC.IscsiFirstTgtParams` group.

NIC.IscsiFirstTgtParams.ConnectFirstTgt (Read or Write)

Description	Setting to enable whether connection to the first target is attempted.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtBootLun (Read or Write)

Description	Specifies the first iSCSI target boot LUN.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtChapId (Read or Write)

Description	First Target CHAP ID (up to 128 characters in length). If only a single value of CHAP ID supported then it is stored here.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtChapPwd (Read or Write)

Description	First Target CHAP Secret (0 or 12 to 16 characters in length). If only a single value of CHAP Secret is supported then it is stored here.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtIpAddress (Read or Write)

Description	First iSCSI target IP address. Will be either IPv4 or IPv6 format depending on the value of the FirstTgtIpVer attribute.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtIpVer (Read or Write)

Description	Setting displays and allows configuration of IP version used for first iSCSI target when iSCSIDualIPVersionSupport is available.
Legal Values	• IPv4 • IPv6
Default Value	IPv4
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtIscsiName (Read or Write)

Description	The iSCSI Qualified Name (IQN) of the first target.
Legal Values	None
Default Value	**NOTE: The legal value range may be smaller than the maximum size of 223, based on the vendor configuration of the NIC cards.** None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiFirstTgtParams.FirstTgtTcpPort (Read or Write)

Description	TCP Port number of the first iSCSI target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams

The following section provides information about the objects in the `NIC.IscsiGenParams` group.

NIC.IscsiGenParams.ChapAuthEnable (Read or Write)

Description	Setting to enable CHAP Authentication for iSCSI initiator.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.ChapMutualAuth (Read or Write)

Description	Setting to enable mutual CHAP authentication between the iSCSI initiator and target.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.DhcpVendId (Read or Write)

Description	Vendor ID as presented to DHCP service.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.FirstHddTarget (Read or Write)

Description	Enable/Disable the target appearing as the first hard disk drive (HDD) in the system when iSCSI booting.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.IpAutoConfig (Read or Write)

Description	Setting to enable acquisition of IPv6 TCP/IP parameters from DHCP.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.IpVer (Read or Write)

Description	Setting displays and allows configuration of the IP version used by iSCSI initiator and targets (Initiator only when a seperate target ipver is implemented). If only one IP version is supported, this attribute should be set to that version and be made Read Only.
Legal Values	• IPv4 • IPv6 • None
Default Value	IPv4
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.IscsiGenParams.IscsiTgtBoot (Read or Write)

Description	Boot to iSCSI target after connection.
Legal Values	• Enabled • Disabled • One Time Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.IscsiViaDHCP (Read or Write)

Description	Setting to enable acquisition of iSCSI target parameters from DHCP.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.IscsiVLanId (Read or Write)

Description	VLAN ID used for iSCSI boot.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.IscsiVLanMode (Read or Write)

Description	Enable/Disable Virtual LAN mode for iSCSI boot.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.LnkUpDelayTime (Read or Write)

Description	The time to wait for the link to establish before driver initialization.
Legal Values	None
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.LunBusyRetryCnt (Read or Write)

Description	Controls the retry count for target.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.TcpIpViaDHCP (Read or Write)

Description	Setting to enable acquisition of IPv4 TCP/IP parameters from DHCP
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.TcpTimestmp (Read or Write)

Description	Enable/Disable use of TCP timestamps in network packets
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiGenParams.WinHbaBootMode (Read or Write)

Description	Controls if adapter boots as an iSCSI Offload HBA or uses software initiator mode

Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams

The following section provides information about the objects in the **NIC.IscsiInitiatorParams** group.

NIC.IscsiInitiatorParams.IscsiInitiatorChapId (Read or Write)

Description	Initiator CHAP ID (up to 128 characters in length). If this can be set on a per target basis, then the first target value shall be stored here.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorChapPwd (Read or Write)

Description	iSCSI initiator CHAP secret (0 or 12 to 16 characters in length). If this can be set on a per target basis, then the value for the first target shall be stored here.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorGateway (Read or Write)

Description	iSCSI initiator default Gateway IP address. Will be in either IPv4 or IPv6 format depending on the value of the IpVer attribute.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpAddr (Read or Write)

Description	The iSCSI initiator IP address. Will be either in IPv4 or IPv6 format depending on value of the IpVer attribute.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv4Addr (Read or Write)

Description	The iSCSI initiator IP address in IPv4 format when iSCSIDualIPVersionSupport is available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv4Gateway (Read or Write)

Description	The iSCSI initiator default Gateway IP address in IPv4 format when iSCSIDualIPVersionSupport is available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv4PrimDns (Read or Write)

Description	iSCSI initiator Primary DNS IP Address in IPv4 format when iSCSIDualIPVersionSupport is Available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv4SecDns (Read or Write)

Description	iSCSI initiator Secondary DNS IP address in IPv4 format when iSCSIDualIPVersionSupport is Available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv6Addr (Read or Write)

Description	The iSCSI initiator IP address in IPv6 format when iSCSIDualIPVersionSupport is available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv6Gateway (Read or Write)

Description	The iSCSI initiator default Gateway IP address in IPv6 format when iSCSIDualIPVersionSupport is available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv6PrimDns (Read or Write)

Description	The iSCSI initiator Primary DNS IP Address in IPv6 format when iSCSIDualIPVersionSupport is Available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorIpv6SecDns (Read or Write)

Description	The iSCSI initiator Secondary DNS IP address in IPv6 format when iSCSIDualIPVersionSupport is Available.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorName (Read or Write)

Description	Setting to represent and set the iSCSI initiator iSCSI Qualified Name (IQN).
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorPrimDns (Read or Write)

Description	The iSCSI initiator Primary DNS IP Address. Will be in either IPv4 or IPv6 format depending on the value of the IpVer attribute.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorSecDns (Read or Write)

Description	The iSCSI initiator Secondary DNS IP address. Will be in either IPv4 or IPv6 format depending on the value of the IpVer attribute.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorSubnet (Read or Write)

Description	The iSCSI initiator Subnet Mask for an IPv4 initiator configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiInitiatorParams.IscsiInitiatorSubnetPrefix (Read or Write)

Description	The iSCSI initiator Subnet Mask Prefix for an IPv6 initiator configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondaryDeviceParams

The following section provides information about the objects in the `NIC.IscsiSecondaryDeviceParams` group.

NIC.IscsiSecondaryDeviceParams.SecondaryDeviceMacAddr (Read or Write)

Description	MAC address of the secondary iSCSI boot adapter.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondaryDeviceParams.UseIndTgtName (Read or Write)

Description	Use Independent Target Name when multipath I/O is enabled

Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondaryDeviceParams.UseIndTgtPortal (Read or Write)

Description	Setting to use independent target portal when multipath I/O is enabled
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams

To configure the `iSCSIsecond` storage, use the objects in this group.

NIC.IscsiSecondTgtParams.ConnectSecondTgt (Read or Write)

Description	Setting to enable whether connection to the second target is attempted.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtBootLun (Read or Write)

Description	Specifies the second iSCSI target boot LUN.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtChapId (Read or Write)

Description	Second Target CHAP ID (up to 128 characters in length). If only a single value of CHAP ID supported for all targets then it is stored here
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtChapPwd (Read or Write)

Description	Second Target CHAP Secret (0 or 12 to 16 characters in length). If only a single value of CHAP Secret is supported then it is stored here
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtIpAddress (Read or Write)

Description	Second iSCSI target IP address. Will be either IPv4 or IPv6 format depending on the value of the SecondTgtIpVer attribute
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtIpVer (Read or Write)

Description	Setting displays and allows configuration of IP version used for second iSCSI target when iSCSIDualIPVersionSupport is available
Legal Values	• IPv4 • IPv6

Default Value	IPv4
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtIscsiName (Read or Write)

Description	The iSCSI Qualified Name (IQN) of the second target
Legal Values	None **NOTE: The legal value range may be smaller than the maximum size of 223, based on the vendor configuration of the NIC cards.**
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.IscsiSecondTgtParams.SecondTgtTcpPort (Read or Write)

Description	TCP Port number of second iSCSI target
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig

To configure the `NICConfig` properties, use the objects in this group.

NIC.NICConfig.BannerMessageTimeout (Read or Write)

Description	Timeout in seconds for banner display during POST
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.BootRetryCnt (Read or Write)

Description	Configure the number of retries in case of boot failure.
Legal Values	• No Retry • 1 Retry • 2 Retries • 3 Retries • 4 Retries • 5 Retries • 6 Retries • Indefinite Retries
Default Value	NoRetry
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.BootStrapType (Read or Write)

Description	Configure the boot strap mechanism used to boot to the OS.
Legal Values	• Auto Detect • BBS • Int 18h • Int 19h
Default Value	AutoDetect
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.FWBootProtocol (Read or Write)

Description	Selection of the boot protocol for the CNA port when the boot process is local to the controller.
Legal Values	• Legacy PXE • UEFI iSCSI HBA • UEFI FCoE • None
Default Value	varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.HideSetupPrompt (Read or Write)

Description	Enable/Disable the option ROM setup prompt (banner) during POST.
Legal Values	• Enabled

- Disabled

Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.LegacyBootProto (Read or Write)

Description	Selection of the boot protocol for the port to use in legacy BIOS (non-UEFI) boot mode. The default value of the setting varies by implementation and is defined in ENG0012856.
Legal Values	• PXE • iSCSI • FCoE • None • iSCSI Primary • iSCSI Secondary • iPXE without failover • iSCSI without failover
Default Value	varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.LnkSpeed (Read or Write)

Description	Selector for link speed(s) to be advertised to link partner for boot operations. Implementations should only include supported link speeds. Existing implementations may remain unchanged, new implementations should not use those speeds listed as deprecated but use the new speeds that have been added that infer what modulation scheme is in use, NRZ or PAM4. New implementations should transition to allow multiple speeds to be selected instead of just one in a simple enumeration scheme. Note: the attribute type is changed from simple enum to checkbox to allow the user to select multiple link speeds to advertise if so desired.
Legal Values	• Auto Negotiated • 10 Mbps Half • 10 Mbps Full • 100 Mbps Half • 100 Mbps Full • 1 Gbps • 10 Gbps • 25 Gbps • 40 Gbps • 50 Gbps (2x25) • 50 Gbps (1x50) • 100 Gbps (4x25) • 100 Gbps (2x50) • 100 Gbps (1x100) • 200 Gbps (4x50) • 200 Gbps (2x100) • 200 Gbps (1x200)
Default Value	None

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.NumberVFAdvertised (Read or Write)

Description	This value is the number of PCI Virtual Functions Advertised by the port (function) in PCI config space when SR-IOV is enabled in non-NPar mode.
Legal Values	• N/A
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.PermitTotalPortShutdown (Read or Write)

Description	When implemented and enabled, any port down command from the host OS or driver will cause the network port to completely shut down and cease all operations including support of WoL and NC-SI Pass-through. Shutdown is defined as no electrical activity (e.g., PHY disabled) and no LED activity. It does not imply or require any physical or electrical isolation. Not intended for implementation or use on backplane designs.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.VLanId (Read or Write)

Description	Specifies the VLAN tag to be used with the selected boot protocol.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.VLanMode (Read or Write)

Description	Enable/Disable VLAN tagging on the selected boot protocol. Note: The vendor will have to customize help text to define what boot protocols can use VLAN tagging.
Legal Values	• Enabled • Disabled
Default Value	Disabled

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.WakeOnLan (Read or Write)

Description	Enable/Disable Wake On LAN feature
Legal Values	• Enabled • Disabled
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICConfig.WakeOnLanLnkSpeed (Read or Write)

Description	Selector for link speed(s) to be advertised to link partner for Vaux operations including Wake On LAN and shared LOM management features. Implementations should only include supported link speeds. Existing implementations may remain unchanged, new implementations should not use those speeds listed as deprecated but use the new speeds that have been added that infer what modulation scheme is in use, NRZ or PAM4. New implementations should transition to allow multiple speeds to be selected instead of just one in a simple enumeration scheme Note: the attribute type is changed from simple enum to checkbox to allow the user to select multiple link speeds to advertise if so desired.
Legal Values	• Auto Negotiated • 10 Mbps Half • 10 Mbps Full • 100 Mbps Half • 100 Mbps Full • 1 Gbps • 10 Gbps • 25 Gbps • 40 Gbps • 50 Gbps (2x25) • 50 Gbps (1x50) • 100 Gbps (4x25) • 100 Gbps (2x50) • 100 Gbps (1x100) • 200 Gbps (4x50) • 200 Gbps (2x100) • 200 Gbps (1x200)
Default Value	AutoNeg
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig

To configure the `NICPartitioning` properties, use the objects in this group.

NIC.NICPartitioningConfig.ConfigureFormn (Read Only)

Description	HII form title for Partition Configuration form. There shall be one form for each partition. Replace n with the number of the partition (e.g., ConfigureForm1, ConfigureForm2).
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.ConfigureFormRef (Read Only)

Description	Link for Partition Configuration form. Individual configuration forms are required for each partition. Replace n with the number of the partition.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.FlowControlSetting (Read or Write)

Description	Representation and configuration field for Ethernet Flow Control. Note: This setting only controls the port's Flow Control behavior when in NPar modes of operation, but not when PFC is enabled; The OS driver retains control of Flow Control when NPar is not enabled.
Legal Values	• Auto • TX:Send Pause on RX Overflow • RX:Throttle TX on Pause Received • TX / RX Flow Control • None
Default Value	Auto
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.GlobalBandwidthAllocation (Read Only)

Description	HII form title for Global Bandwidth Allocation across partitions. Note: These settings are intended for use in non-DCB environments and are subject to change via DCBX.
Legal Values	None
Default Value	None
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.GlobalBandwidthAllocationRef (Read Only)

Description	HII link for the Global Bandwidth Allocation form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.NicPartitioning (Read or Write)

Description	Representation and configuration of enablement of partitioning for the device. Note: This attribute is for current HII/UEFI drivers that implement the control ONLY. New HII implementations should only implement the Virtualization Mode attribute. Existing implementations should maintain support for legacy reasons.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.NumberPCIFunctionsEnabled (Read Only)

Description	The number of PCI Physical Functions currently enabled on this port.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.NumberPCIFunctionsSupported (Read Only)

Description	The number of PCI Physical Functions supported on this port. This value may change depending on the support and configuration of NParEP.

Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.PartitionState (Read Only)

Description	Representation of the current enablement state of the partition. There will be an instance of this attribute for each partition. Replace n with the number of the partition.
Legal Values	• Enabled • Disabled
Default Value	Enabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.NICPartitioningConfig.RDMANICModeOnPartition (Read or Write)

Description	Enable/Disable the NIC + RDMA personality on the partition. This setting is for when operating in NPar mode only. Replace n with the number of the partition. Note: This personality type may be specified as the partition default if RDMA traffic can be supported irrespective of any other device setting.
Legal Values	• Enabled • Disabled
Default Value	Varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.PortLevelConfig

The following section provides information about the objects in `NIC.PortLevelConfig` the group.

NIC.PortLevelConfig.VFDistribution (Read or Write)

Description	The value is a string of numbers, each seperated by a colon that defines the distribution of VFs to PFs within the domain specified by VFAllocBasis. Each number represents the number of PVI Virtual Functions to be advertised in PCI config space by each partition (PF). The numbers must sum to an amount less than or equal to the NumberVFSupported attribute value. A value appears in the colon separated list for each Physical Function that can potentially be present within the allocation domain, independent of its enablement state. Values in the list from left to right apply to function numbers in the domain from least to greatest. Note1: The regex can only perform basic validation of the string format. Note2: Implementers should replace the "*" in the regex with a bound expression that accurately describes the expected string in the context of a given solution (e.g. where NumberVFSupported is 4, the "*" will be replaced with "{3}"). The vendor must provide the appropriate default string for the implementation.

Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigGroup

The objects in this group manage the vendor configuration settings.

NIC.VndrConfigPage.BlnkLeds (Read or Write)

Description	Blink LEDs for a duration of up to 15 seconds. Only valid for adapters with link LEDs.
Legal Values	None
Default Value	15
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.BusDeviceFunction (Read Only)

Description	The value of this attribute depends on the state of the NParEP Mode setting. If NParEP Mode is Disabled, the value is the BIOS assigned PCIe Bus:Device:Function identifier. If NParEP Mode is Enabled, the value is the BIOS assigned PCIe Bus:Function identifier.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.ChipMdl (Read Only)

Description	This attribute consists of the concatenation of 2 different elements, a vendor-defined silicon marketing name and the silicon revision information as specified in PCI configuration space, separated by space. For example: R720 B0.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.DCBSettings (Read Only)

Description	HII form title for Data Center Bridging (DCB) Settings Form.
Legal Values	None

Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.DCBSettingsRef (Read Only)

Description	Configuration page form reference for Data Center Bridge (DCB) Settings Form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.DCBXSupport (Read Only)

Description	Indicates whether Data Center Bridging eXchange Protocol (DCBX) is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.DeviceLevelConfig (Read Only)

Description	HII form title for device configuration. Note: Modify the help text and form placement as appropriate to the controller architecture.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.DeviceLevelConfigurationRef (Read Only)

Description	Configuration form reference for the Device Level Configuration Form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.VndrConfigPage.DeviceName (Read Only)

Description	Official product name of the device.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.EEEControl (Read or Write)

Description	Enables or Disables the Energy Efficient Ethernet feature on the port if supported by the device. If the scope of the control is not port level, then consultation with Dell is required. The default value of this attribute is specified in the EHRD for the implementation and will not be the same for all adapters. Note: Do not implement if EEE is not supported by the implementation (i.e., the EnergyEfficientEthernet attribute setting).
Legal Values	• Maximum Power Savings • Disabled
Default Value	varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.EnergyEfficientEthernet (Read Only)

Description	Indicates whether Energy Efficient Ethernet capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoEBootSupport (Read Only)

Description	Indicates whether Fibre Channel over Ethernet Boot capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCOECapabilities (Read Only)

Description	HII form title for the FCoE Capabilities form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoECapabilitiesRef (Read Only)

Description	Configuration page form reference for the FCoE Capabilities Form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoEConfigRef (Read Only)

Description	Configuration form reference for port level FCoE configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoEConfiguration (Read Only)

Description	HII form title for the port level FCoE Configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoEOffloadMode (Read or Write)

Description	Enable/Disable the FCoE personality on the port. This setting is for when operating in non-NPar mode only.
Legal Values	• Enabled • Disabled
Default Value	Disabled

Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FCoEOffloadSupport (Read Only)

Description	Indicates whether FCoE is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FeatureLicensingSupport (Read Only)

Description	Indicates whether the Dell Feature Licensing capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FIPMacAddr (Read Only)

Description	Permanent FIP-MAC address for FCoE assigned during manufacturing. If supported, the current address value should be readable at all times, irrespective of feature enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FlexAddressing (Read Only)

Description	Indicates whether the Dell FlexAddressing feature is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.ForwardErrorCorrection (Read or Write)

Description	Type of FEC to use on the link. Shall not be implemented on adapters where it is not appropriate.
Legal Values	• Auto • Fire Code (Clause 74) • RS-FEC (Clause 91, 108, 134) • Disabled
Default Value	Auto
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FrmwImgMenu (Read Only)

Description	HII form title for Firmware Image Properties.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.FrmwImgMenuRef (Read Only)

Description	Configuration page form reference for the Firmware Image Properties Form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.InfiniBand (Read Only)

Description	Indicates whether InfiniBand functionality is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency	Not applicable

NIC.VndrConfigPage.iSCSIBootSupport (Read Only)

Description	Indicates whether iSCSI Boot is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.iSCSIConfig (Read Only)

Description	HII form title for port level iSCSI configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.iSCSIConfigRef (Read Only)

Description	Configuration form reference for port level iSCSI configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.iSCSIDualIPVersionSupport (Read Only)

Description	Indicates support for simultaneous IPv4 and IPv6 configurations of the iSCSI initiator and iSCSI primary and secondary targets.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.IscsiMacAddr (Read Only)

Description	Permanent MAC address for iSCSI offload assigned during manufacturing. If supported, the current address value should be readable at all times, irrespective of feature enablement.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.iScsiOffloadMode (Read or Write)

Description	Enable/Disable the iSCSI offload personality on the port. This setting is for when operating in non-NPar mode only.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.iSCSIOffloadSupport (Read Only)

Description	Indicates whether the iSCSI Offload capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.LinkStatus (Read Only)

Description	Physical link status of the network port as reported by the controller.
Legal Values	• Connected • Disconnected
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.MacAddr (Read Only)

Description	The Permanent MAC address assigned during manufacturing.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.MediaDetection (Read or Write)

Description	Optional attribute for those implementations that support the querying of the installed SFF device capabilities to assist in link configuration. How this information is used may differ between implementations. Should not be implemented on adapters where it is not used.
Legal Values	• Enabled • Disabled
Default Value	varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NetworkLinkType (Read or Write)

Description	Select the protocol type to be used on a port that supports multiple fabric types. NOTE: Implement ONLY if VPI Mode is supported
Legal Values	• Ethernet • InfiniBand
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NICConfig (Read Only)

Description	The HII form title for NIC configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NICConfigRef (Read Only)

Description	The Configuration form reference for port level NIC configuration.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NicMode (Read or Write)

Description	Enable/Disable the NIC personality on the port. This setting is for when operating in non-NPar mode only. Note: This personality type should be specified as the port default if RDMA is not supported or has dependencies on other device modes or settings.
Legal Values	• Enabled • Disabled
Default Value	Varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NICPartitioningConfigRef (Read Only)

Description	HII link for the NIC Partitioning Configuration form.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NicPartitioningSupport (Read Only)

Description	Indicates whether the NIC Partitioning capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NodeGUID (Read Only)

Description	The Permanent Node GUID assigned during manufacturing.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.NWManagementPassThrough (Read Only)

Description	Indicates whether the Network Management Pass Through capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.OmniPath (Read Only)

Description	Indicates whether Omni-Path functionality is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.OnChipThermalSensor (Read Only)

Description	Indicates whether an on-chip thermal sensor is available.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.OSBMCManagementPassThrough (Read Only)

Description	Indicates whether OS-BMC Management Pass Through capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.PCIDeviceID (Read Only)

Description	PCI Device ID reported by the controller when operating in non-NPar mode only. The value of the attribute is undefined for controllers operating in NPar mode that change their device IDs or support multiple PCI Device IDs at the partition level.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.PKey (Read or Write)

Description	PKey ID to be used by PXE boot in the InfiniBand environment
Legal Values	None
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.PortGUID (Read Only)

Description	The Permanent Port GUID assigned during manufacturing.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.PXEBootSupport (Read Only)

Description	Indicates whether the PXE Boot capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.RDMANICModeOnPort (Read or Write)

Description	Enable/Disable the NIC + RDMA personality on the port. This setting is for when operating in non-NPar mode only. Note: This personality type may be specified as the port default if RDMA traffic can be supported irrespective of any other device mode or setting.
Legal Values	• Enabled • Disabled
Default Value	Varies
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.RemotePHY (Read Only)

Description	Indicates whether RemotePHY capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.RXFlowControl (Read Only)

Description	Indicates whether Receive (RX) Flow control capability is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.SNAPI (Read Only)

Description	Indicates the adapter supports SNAPI functionality by either special interfacing to the PCI slot connector or via cabling to another PCI slot.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.SNAPIState (Read Only)

Description	Indicates whether SNAPI functionality is enabled. Note: Implement only if SNAPI support is set to Available
Legal Values	• Enabled • Disabled
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.SwitchDepPartitioningSupport (Read Only)

Description	Indicates whether Switch Dependent Partitioning capability is supported. Note: Preliminary attribute definition only, based on the information available at the publication, subject to change.
Legal Values	• Available • Unavailable
Default Value	N/A
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.TOESupport (Read Only)

Description	Indicates whether TCP/IP Offload Engine capability is supported
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.TXBandwidthControlMaximum (Read Only)

Description	Indicates whether Transmit(TX) Bandwidth Control Maximum capability is supported
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.TXBandwidthControlMinimum (Read Only)

Description	Indicates whether Transmit (TX) Bandwidth Control Minimum capability is supported
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.TXFlowControl (Read Only)

Description	Indicates whether Transmit (TX) Flow Control capability is supported
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtFIPMacAddr (Read or Write)

Description	Programmatically assignable FIP-MAC address for FCoE. Virtual addresses written will also generate corresponding VWWNN and VWWPN addresses as defined in Y741D. The supported method of reverting to the permanent FIP-MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None

License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtIscsiMacAddr (Read or Write)

Description	Programmatically assignable MAC address for iSCSI offload. Programmatic write for support of I/O Identity feature. The supported method of reverting to the permanent MAC address is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtMacAddr (Read or Write)

Description	Programmatically assignable MAC address. Programmatic write for support of I/O Identity feature. The supported method of reverting to the permanent MAC address is by writing 0's to the virtual MAC. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature enablement.
Legal Values	None
Default Value	00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtNodeGuid (Read or Write)

Description	Programmatically assignable Node GUID address used when only one PF is assigned to the port. Programmatic write for support of I/O Identity feature. The supported method of reverting to the permanent Node GUID address is by writing 0's to the virtual Node GUID. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's.
Legal Values	None
Default Value	0000:0000:0000:0000
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtPortGUID (Read or Write)

Description	Programmatically assignable Port GUID. Virtual addresses written will also generate corresponding GUID as defined in Y741D. The supported method of reverting to the permanent GUID is by writing 0's as the virtual address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. If supported, the current address value should be readable at all times, irrespective of feature enablement.

Legal Values	None
Default Value	0000:0000:0000:0000
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtWWN (Read or Write)

Description	Programmatically assignable Fibre Channel World Wide Node Name identifier for FCoE. Virtual addresses written will also be modified by subsequent writes to the VirtFIP-MAC addesss as defined in Y741D. The supported method of clearing this virtual address is by writing 0's as the address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's.
Legal Values	None
Default Value	00:00:00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VirtWWPN (Read or Write)

Description	Programmatically assignable Fibre Channel World Wide Port Name identifier for FCoE. Virtual addresses written will also be modified by subsequent writes to the VirtFIP-MAC addesss as defined in Y741D The supported method of clearing this virtual address is by writing 0's as the address. If the virtual address has not been set or if it has been cleared by the defined method, its value shall be returned as 0's. .
Legal Values	None
Default Value	00:00:00:00:00:00:00:00
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VndrConfigPage (Read Only)

Description	Main configuration page form reference for the Vendor Main Configuration Page Form
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VndrFormSet (Read Only)

Description	Title of HII form set for Vendor Form Set. The MAC address should be the current active MAC address on the port or first partition. In case a virtual address is assigned, it should be used. Otherwise, the permanent MAC address should be displayed.
Legal Values	None

Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.VPI (Read Only)

Description	Indicates whether Virtual Protocol Interconnect (VPI) functionality is supported.
Legal Values	• Available • Unavailable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.WakeOnLanLnkSpeedAdv (Read or Write)

Description	NA
Legal Values	None
Default Value	Legacy
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.WWN (Read Only)

Description	Fibre Channel World Wide Node Name identifier for FCoE
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Not applicable

NIC.VndrConfigPage.WWPN (Read Only)

Description	Fibre Channel World Wide Port Name identifier for FCoE
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise

Dependency Not applicable

7

Storage Attributes

This section provides details about the Storage attribute groups and objects.

Topics:

- Storage.Controller
- Storage.Enclosure
- Storage.PhysicalDisk
- Storage.VirtualDisk

Storage.Controller

The following sections provide information about the objects in this group Storage.Controller.

Storage.Controller.BackgroundInitializationRate (Read or Write)

Description	The Background Initialization (BGI) rate is the percentage of the system's resources dedicated to performing the background initialization of a virtual disk after it is created
Legal Values	None
Default Value	100
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.BatteryLearnMode (Read or Write)

Description	Battery Learn Mode controls a RAID Controller's Battery Learn Cycle.
Legal Values	• Automatic • Warn only • Disabled
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	A battery should be present on the controller.

Storage.Controller.CheckConsistencyMode (Read or Write)

Description	Check Consistency feature is used to verify the accuracy of the redundant (parity) information.

Legal Values	• Normal • StopOnError
Default Value	Normal
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.CheckConsistencyRate (Read or Write)

Description	The Check Consistency rate is the percentage of the system's resources dedicated to performing a check consistency on a redundant virtual disk.
Legal Values	None
Default Value	30
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.ControllerBootMode (Read or Write)

Description	This indicates the current BootMode setting of the Controller. **NOTE: Some values may not be supported, depending on the PERC controller you have installed and the firmware version.**
Legal Values	• User Mode • Continue Boot On Error • Headless Mode Continue On Error • Headless Safe Mode
Default Value	Continue Boot On Error
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.ControllerEncryptionMode (Read Only)

Description	This attribute represents encryption mode on the controller. It could be used to set the encryption mode to Local Key Management or Secure Enterprise Key Manager on the controller via Server Configuration Profile (SCP) feature only. **NOTE: Secure Enterprise Key Manager (SEKM) for PERC 10 is now supported.**
Legal Values	• None • Local Key Management • Secure Enterprise Key Manager
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	If set to 'Local Key Management' you must set KeyID and NewControllerKey. **NOTE: You need to enable SEKM on iDRAC before enabling SEKM on the PERC controller.**

Storage.Controller.ControllerRekey (Read or Write)

Description	This pseudo attribute represents whether a rekey operation needs to be performed on the RAID controller. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• True • False
Default Value	FALSE
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.CopybackMode (Read or Write)

Description	This attribute represents the mode of restoring configuration of a virtual disk when a failed physical disk is replaced in an array.
Legal Values	• On • On with SMART • Off
Default Value	On
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.CurrentControllerMode (Read Only)

Description	This indicates controllers current personaility mode , which could be RAID or Non-RAID. PERC9 supports RAID and HBA.Starting PERC 10, modes supported are RAID and Enhanced HBA
Legal Values	• RAID • HBA • Enhanced HBA **NOTE: HBA or Enhanced HBA support is dependent on the type of PERC controller.**
Default Value	RAID
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Controller needs to support.

Storage.Controller.EnhancedAutoImportForeignConfiguration (Read or Write)

Description	This indicates the current EnhancedAutoImportForeignConfig setting of the controller. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Disabled • Enabled
Default Value	None
Write Privilege	None
License Required	NA
Dependency	None

Storage.Controller.KeyID (Read or Write)

Description	This attribute represents the controller key identifier for Local Key Management controller encryption modes. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if EncryptionMode is 'Local Key Management' and NewControllerKey is set to any valid value.

Storage.Controller.NewControllerKey (Read or Write)

Description	This attribute represents the controller passphrase for Local Key Management encryption mode. This is used during a ReKey operation to specify the new controller key. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if EncryptionMode is 'Local Key Management' and KeyID is set to any valid value.

Storage.Controller.OldControllerKey (Read or Write)

Description	This attribute represents the controller passphrase for Local Key Management encryption mode. This is used during a ReKey operation to specify the old controller key. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if 'RAIDrekey' is set to True

Storage.Controller.PatrolReadMode (Read or Write)

Description	Patrol Read is a feature for identifying disk errors in order to avoid disk failures and data loss or corruption. The Patrol Read only runs on disks that are being used in a virtual disk or that are hot spares.
Legal Values	• Automatic • Manual • Disabled
Default Value	Automatic
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.PatrolReadRate (Read Only)

Description	The Patrol Read Rate is the percentage of the system's resources dedicated to perform Patrol Read.
Legal Values	None
Default Value	30
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.PatrolReadUnconfiguredArea (Read or Write)

Description	Patrol Read is Performed on area of physical disk not configured for use.
Legal Values	• Disabled • Enabled
Default Value	Enabled
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.PersistHotspare (Read or Write)

Description	To enable or disable a persistent hotspare.
Legal Values	• Enabled • Disabled
Default Value	Disabled
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.PossibleloadBalancedMode (Read or Write)

Description	This attribute represents the ability to automatically use both controller ports connected to the same enclosure to route I/O requests.
Legal Values	• Automatic • Disabled
Default Value	Automatic
Write Privilege	Serverl Control
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDForeignConfig (Read or Write)

Description	This pseudo attribute represents foreign configuration operation to be performed on the RAID controller. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Ignore • Import • Clear
Default Value	Ignore
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDMaxCapableSpeed (Read Only)

Description	This attribute represents the maximum link speed supported by the controller.
Legal Values	• 1_5_GBS • 3_GBS • 6_GBS • 12_GBS
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDmaxPDsInSpan (Read Only)

Description	This attribute represents the maximum number of Physical Disks in a single Span, as supported by the controller.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency	None

Storage.Controller.RAIDmaxSpansInVD (Read Only)

Description	This attribute represents the maximum number of spans in a Virtual Disk, as supported by the controller.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDmaxSupportedVD (Read Only)

Description	This attribute represents the maximum number of virtual disks supported by the controller.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RaidMode (Read Only)

Description	Indicates the meta data mode controller. **NOTE: This is applicable only for SW RAID controllers.**
Legal Values	• None • Linux • Windows • Mixed
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDprIterations (Read Only)

Description	Indicates the number of PR iterations completed.
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDResetConfig (Read or Write)

Description	This pseudo attribute represents whether a reset config operation needs to be performed on the RAID controller. Reset config operation deletes all the virtual disks that exist on the RAID controller. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• True • False
Default Value	FALSE
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDspinDownIdleTime (Read Only)

Description	Spindown idle time is the amount of time in seconds an unconfigured or hotspare can be idle before being spinned down by the controller.
Legal Values	None
Default Value	30
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDSupportedDiskProt (Read Only)

Description	This attribute provides a list of Disk Protocols supported by the controller.
Legal Values	• SAS • SATA
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RAIDSupportedInitTypes (Read Only)

Description	Indicates the types of encryption supported by the storage controller. This storage controller operation will lock the Self Encrypting drives(SEDs).
Legal Values	• None • Fast • Full
Default Value	None
Write Privilege	None
License Required	NA
Dependency	None

Storage.Controller.RAIDSupportedRAIDLevels (Read Only)

Description This attribute provides a list of RAID levels supported by the controller.

NOTE: Some RAID levels may not be supported depending on the type of storage controller installed.

Legal Values
- RAID-0
- RAID-1
- RAID-5
- RAID-10
- RAID-50
- RAID-60

Default Value None

Write Privilege None

License Required iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency None

Storage.Controller.RebuildRate (Read or Write)

Description The Rebuild Rate is the percentage of the system's resources dedicated to rebuilding a failed disk when a rebuild is necessary.

Legal Values None

Default Value 30

Write Privilege Server Configuration

License Required iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency None

Storage.Controller.ReconstructRate (Read or Write)

Description The Reconstruct Rate is the percentage of the system's resources dedicated to reconstructing a disk group after adding a physical disk or changing the RAID level of a virtual disk residing on the disk group

Legal Values None

Default Value 30

Write Privilege Server Configuration

License Required iDRAC Basic, iDRAC Express, or iDRAC Enterprise

Dependency None

Storage.Controller.RemoveControllerkey (Read or Write)

Description This pseudo attribute represents whether a rekey operation needs to be performed on the RAID controller. Configurable via Server Configuration Profile (SCP) feature only.

Legal Values
- True
- False

Default Value FALSE

Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Controller.RequestedControllerMode (Read or Write)

Description	This indicates controllers requested personaility mode and can be RAID or Non-RAID. PERC 9 supports RAID and HBA. Starting PERC 10, modes supported are RAID and Enhanced HBA. Supported with SET command and not SCP
Legal Values	• RAID • HBA • Enhanced HBA **NOTE: HBA or Enhanced HBA support is dependent on the type of PERC controller.**
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Controller needs to support.

Storage.Controller.SupportControllerBootMode (Read Only)

Description	Indicates if this controller supports setting of controller boot mode.
Legal Values	• Supported • Not Supported
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.SupportEnhancedAutoForeignImport (Read Only)

Description	Indicates if this controller supports enhanced auto import of foreign configurations.
Legal Values	• Supported • Not Supported
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.SupportRAID10UnevenSpans (Read Only)

Description	Indicates if this controller supports uneven spans for RAID 10.
Legal Values	• Supported • Not Supported
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Controller.T10PICapability (Read Only)

Description	Indicates if this controller supports T10 PI.
Legal Values	• Incapable • Capable
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.Enclosure

This group contains the attributes that provides details about Storage.Controller

NOTE: **`AssetName` and `AssetTag` are applicable only for external enclosures.**

NOTE: **If the enclosure is in Failed state, the information about the slots and their occupancy is not displayed.**

Storage.Enclosure.AssetTag (Read Only)

Description	Displays the Asset Tag information for the enclosure.
Legal Values	• String of up to 10 characters
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Enclosure.AssetName (Read Only)

Description	Displays the Asset Name for the enclosure.
Legal Values	String of up to 32 characters
Default Value	None

Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Enclosure.BackplaneCurrentMode (Read Only)

Description	Displays the current backplane zone setting.
Legal Values	• Not Applicable • UnifiedMode • SplitMode • SplitMode-4:20 • SplitMode-8:16 • SplitMode-16:8 • SplitMode-20:4 • SplitMode-6:6:6:6
Default Value	UnifiedMode **NOTE: If the backplane does not support zoning, the default value is Not Applicable.**
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Backplane needs to support it.

Storage.Enclosure.BackplaneRequestedMode (Read or Write)

Description	Configures the backplane mode
Legal Values	• Not Applicable • UnifiedMode • SplitMode • SplitMode-4:20 • SplitMode-8:16 • SplitMode-16:8 • SplitMode-20:4 • SplitMode-6:6:6:6
Default Value	None **NOTE: If the backplane does not support zoning, the default value is Not Applicable.**
Write Privilege	Server Control
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Backplane needs to support it.

Storage.Enclosure.BackplaneType (Read Only)

Description	Indicates the type of disk bay slots supported by the backplane.
Legal Values	• Shared • Non-Shared • Not Applicable

Default Value	Non-Shared
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Backplane must be universal to support this attribute.

Storage.Enclosure.RAIDEffectiveSASAddress (Read Only)

Description	This attribute represents the effective SAS Address of an enclosure.
Legal Values	• String of up to 16 characters
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Enclosure.RAIDMultipath (Read Only)

Description	Indicates whether the storage controller has multiple paths to reach the enclosure.
Legal Values	• False-0 • True-1
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	Depends on the controller support

Storage.Enclosure.SupportedSplitModes (Read Only)

Description	Lists the supported split modes on the backplane.
Legal Values	• Not Applicable • UnifiedMode • SplitMode • SplitMode-4:20 • SplitMode-8:16 • SplitMode-16:8 • SplitMode-20:4 • SplitMode-6:6:6:6
Default Value	Not Applicable
Write Privilege	N/A
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk

This group contains the attributes that provides details about Storage.PhysicalDisk

NOTE: These attributes are applicable only for SAS/SATA drives and not for PCIeSSD.

Storage.PhysicalDisk.BlockSizeInBytes (Read Only)

Description	This property indicates the logical block size of the physical drive that this virtual disk belongs to.
Legal Values	• 512 • 4096
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.BusProtocol (Read Only)

Description	Indicates the technology that the physical disk or NVMe PCIe SSD is using to communicate to the controller.
Legal Values	• None • SAS • SATA
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.MaxCapableSpeed (Read Only)

Description	This property represents the data transfer speed that the disk is capable of.
Legal Values	• Unknown • 1.5Gbps • 3Gbps • 6Gbps • 12Gbps
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.MediaType (Read Only)

Description	Indicates the media Type of the physical disk like HDD or SSD.
Legal Values	• Solid State Drive • Hard Disk Drive
Default Value	None
Write Privilege	None

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.NegotiatedSpeed (Read Only)

Description	Negotiated Speed shows the speed of data transfer that the disk negotiated while spinning up and upon initial communication with the controller. This speed is dependent on the speed of the disk, the capable speed of the controller, the current speed of the controller on that connector, and the speed of the EMM (Enclosure Management Module) on the enclosure.
Legal Values	• 1_5_GBS • 3_GBS • 6_GBS • 12_GBS
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.RAIDNominalMediumRotationRate (Read Only)

Description	This attribute represents the nominal medium rotation speed of a physical disk.
Legal Values	None
Default Value	0
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.PCIeSSDsecureErase (Read or Write)

Description	This operation performs cryptographic erase on the PCIe SSD device, configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• True • False
Default Value	False
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.Physical Disk.RAIDHotSpareStatus (Read Only)

Description	On RAID controllers, a hot spare is a backup for a disk that fails. The attribute indicates whether a physical disk is Hot Spare and/or the type of hot spare. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• No • Dedicated • Global
Default Value	No
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.RAIDPDState (Read and Write)

Description	Physical Disk State shows the state of Physical disk that is part of a Virtual Disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Unknown • Ready • Online • Foreign • Blocked • Failed • Non-RAID • Missing
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.RaidType (Read Only)

Description	Indicates the metadata type on the disk.
Legal Values	• None • Software RAID • Windows Software RAID • Hardware RAID
Default Value	N/A
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.SoftwareRAIDMode (Read or Write)

Description	Indicates the metadata type on the disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Windows

- Linux

Default Value	Windows
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.SystemEraseCapability (Read Only)

Description	Indicates the erase capability of the disk.
Legal Values	• CryptographicErasePD • OverwritePD • Not Supported
Default Value	Not Supported
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.PhysicalDisk.T10PIcapability (Read Only)

Description	This indicates physical disks' T10PI capabilities.
Legal Values	• Not Capable • Capable
Default Value	None
Write Privilege	None
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk

This group contains the attributes that provides details about Storage.VirtualDisk

Storage.VirtualDisk.BlockSizeInBytes (Read Only)

Description	This property indicates the logical block size of the physical drive that this virtual disk belongs to.
Legal Values	• 512 • 4096
Default Value	Not Applicable
Write Privilege	Not Applicable
License Required	iDRAC Express or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.BootVD (Read or Write)

Description	This attribute indicates if the virtual disk is a boot VD. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• True • False
Default Value	False
Write Privilege	Not Applicable
License Required	None
Dependency	Depends on the controller support

Storage.VirtualDisk.CachecadeState (Read Only)

Description	This attribute represents the cachecade state of the virtual disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Cachecade Virtual Disk • Not a Cachecade Virtual Disk
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.DedicatedSpare (Read or Write)

Description	This pseudo attribute represents the dedicated spare to be assigned to a virtual disk. It could be set to physical disk FQDD to be assigned as a dedicated spare to the virtual disk. If a Spare is intended to be assigned when RAIDaction is set as CreateAuto, this attribute value should be set to AutoSelect. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• AutoSelect
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.DiskCachePolicy (Read or Write)

Description	Set the physical disk caching policy of all members of a Virtual Disk by enabling the Disk Cache Policy. When this feature is enabled, the physical disk writes data to the physical disk cache before writing it to the physical disk. Because it is faster to write data to the cache than to a disk, enabling this feature can improve system performance.
Legal Values	• Default • Enabled • Disabled
Default Value	Default
Write Privilege	Server Configuration

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.InitializationOperation (Read or Write)

Description	This pseudo attribute represents initialization configuration operation to be performed on the virtual disk via Server Configuration Profile (SCP) feature only.
Legal Values	• None • Fast
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Update' or 'Create'

Storage.VirtualDisk.LockStatus (Read Only)

Description	This attribute represents security status of the virtual disk. It is used to secure a virtual disk configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Unlocked • Locked
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if controller encryption is configured

Storage.VirtualDisk.Name (Read Only)

Description	Diplays the name associated with a Virtual Disk.
Legal Values	String of up to 15 characters
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.PhysicalDiskID (Read or Write)

Description	This pseudo attribute is used for specifying physical disk FQDD for creating a virtual disk, configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.RAIDAction (Read or Write)

Description	This pseudo attribute represents RAID action to be performed on the virtual disk. It is used to specify Delete, Create , CreateAuto or Update virtual disk operations. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• Create • CreateAuto • Delete • Update
Default Value	Update
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.RAIDLevel (Read Only)

Description	This indicates the type of RAID level on the virtual disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	• RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10 • RAID 50 • RAID 60
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.ReadPolicy (Read or Write)

Description	The read policies indicate whether or not the controller should read sequential sectors of the virtual disk when seeking data. **NOTE: Storage.VirtualDisk.ReadPolicy attribute is read-only for few PERCs—for example, H330.**
Legal Values	• NoReadAhead • ReadAhead • AdaptiveReadAhead **NOTE: Previous generations of PERC controllers support read policy settings of No Read Ahead, Read Ahead, and Adaptive Read Ahead. With PERC 8 and PERC 9, the Read Ahead and Adaptive Read Ahead settings are functionally equivalent at the controller level. For backward compatibility purposes, some systems management interfaces and PERC 8 and 9 controllers still allow setting the read policy to Adaptive Read Ahead. While it is possible to set Read Ahead or Adaptive Read Ahead on PERC 8 or PERC 9, there is no functional difference.**
Default Value	ReadAhead
Write Privilege	Server Configuration

License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

Storage.VirtualDisk.Size (Read Only)

Description	This indicates the size in bytes of the virtual disk. When creating a virtual disk, size of 0 indicates using full size of the physical disks for the specified RAIDTypes. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.SpanDepth (Read Only)

Description	This indicates number of spans in the virtual disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.SpanLength (Read Only)

Description	This indicates the number of physical disks per span on a virtual disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.StripeSize (Read Only)

Description	This indicates the stripe size of the virtual disk. Configurable via Server Configuration Profile (SCP) feature only.
Legal Values	None
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Applicable only if RAIDaction is 'Create'

Storage.VirtualDisk.T10PIStatus (Read or Write)

Description	This indicates virtual disks T10PIStatus. **NOTE: Can be disabled only if the current value for this object is enabled.**
Legal Values	• Enabled • Disabled
Default Value	None
Write Privilege	None
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	Controller needs to support.

Storage.VirtualDisk.WritePolicy (Read or Write)

Description	The write policies specify whether the controller sends a write-request completion signal as soon as the data is in the cache or after it has been written to disk. **NOTE: Storage.VirtualDisk.WritePolicy attribute is read-only for few PERCs—for example, H330.**
Legal Values	• WriteThrough • WriteBack • WriteBackForce
Default Value	WriteBack
Write Privilege	Server Configuration
License Required	iDRAC Basic, iDRAC Express, or iDRAC Enterprise
Dependency	None

8

System Attributes

This section provides details about the System attribute groups and objects.

Topics:

- System.AcquisitionInfo
- System.Backplane
- System.ChassisInfo
- System.CustomAsset
- System.DepreciationInfo
- System.Diagnostics
- System.ExtWarrantyInfo
- System.IdleServerDetection
- System.LCD
- System.LeaseInfo
- System.MaintenanceInfo
- System.OutsourceInfo
- System.OwnerInfo
- System.PCIeSlotLFM
- System.PowerHistorical
- System.QuickSync
- System.SCP
- System.SC-BMC
- System.ServerInfo
- System.ServerOS
- System.ServerPwr
- System.ServerPwrMon
- System.ServerTopology
- System.ServiceContract
- System.Storage
- System.SupportInfo
- System.SystemInfo
- System.ThermalConfig
- System.ThermalHistorical
- System.ThermalSettings
- System.USBFront
- System.WarrantyInfo

System.AcquisitionInfo

This group contains the attributes that provides details about `System.AcquisitionInfo`.

System.AcquisitionInfo.CostCenter (Read or Write)

Description	Identifying information for the accounting unit within the purchasing company that authorized the purchase.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.Expensed (Read or Write)

Description	Determines whether the cost of the system was subtracted from the budget of a particular person or department in the purchasing company.
Legal Values	• Yes-0 • No-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.InstallDate (Read or Write)

Description	Date the system was put into service by the purchasing company.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.PONumber (Read or Write)

Description	Number of the purchase order that authorized buying the system.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.PurchaseCost (Read or Write)

Description	Value expressed in currency unit that was paid for the system, for example, 25000.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.PurchaseDate (Read or Write)

Description	Date the transaction for acquiring the system was completed.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.Vendor (Read Only)

Description	Company who sold the system to the purchaser.
Legal Values	• String of up to 64 ASCII characters.
Default Value	Dell
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.WayBill (Read or Write)

Description	Identifying information for the waybill or delivery slip, such as a waybill number.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.AcquisitionInfo.WhoSigned (Read or Write)

Description	Person who accepted delivery of the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.Backplane

This group contains the attributes that provides details about System backplane.

System.Backplane.BackplaneBusMode (Read Only)

Description	Enclosure serial interface type, either SGPIO or I2C
Legal Values	• Unknown-0 • I2C-1 • SGPIO-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.Backplane.BackplaneSplitMode (Read or Write)

Description	Enclosure split mode setting
Legal Values	• Integral values from 0 to 255
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo

This group contains the attributes that provides details about sytem chassis info.

System.ChassisInfo.ChassisBoardPartNumber (Read Only)

Description	Specifies the chassis part number
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.ChassisBoardSerialNumber (Read Only)

Description	Specifies the chassis serial number
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.ChassisModel (Read Only)

Description	Specifies the chassis model.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependency	None

System.ChassisInfo.ChassisName (Read Only)

Description	Specifies the chassis name
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.ChassisServiceTag (Read Only)

Description	Specifies the chassis part number
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.ChassisType (Read Only)

Description	Specifies the chassis type
Legal Values	• Not Available—0 • M1000e—9 • VRTX—10 • FX2 PSB—11 • FX2 FOB—12 • MX7000—16
Default Value	Not Available
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

System.ChassisInfo.ConnectionState (Read Only)

Description	Specifies the chassis connection state.
Legal Values	• Unknown—0 • Disconnected/Offline—1 • Connected/Ready—2
Default Value	Unknown
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.FirmwareVersion (Read Only)

Description	Specifies the chassis firmware version.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ChassisInfo.IPV6Address (Read Only)

Description	Specifies the chassis IPV6 address.
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.CustomAsset

This group contains the attributes that provides details about System.CustomAsset.

System.CustomAsset.Label (Read or Write)

Description	Custom Asset label.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

System.CustomAsset.Value (Read or Write)

Description	Custom Asset value
Legal Values	• String of up to 255 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.DepreciationInfo

This group contains the attributes that provides details about System.DepreciationInfo.

System.DepreciationInfo.Duration (Read or Write)

Description	Displays the duration for which the depreciation value is being calculated.
Legal Values	• String of up to 64 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.DepreciationInfo.DurationUnit (Read or Write)

Description	Indicates the duration in months or years.
Legal Values	• Months-0 • Years-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.DepreciationInfo.Method (Read or Write)

Description	Displays the steps and assumptions used to compute the system's depreciation.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.DepreciationInfo.Percentage (Read or Write)

Description	Indicates the portion of 100 that an asset is devalued or depreciated. If the duration of depreciation is 5 years, and the method is straight line, then the percentage is 20 percent.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.Diagnostics

This group contains the attributes that provides details about system diagnostics.

System.Diagnostics.OSAppCollectionTime (Read Only)

Description	Displays the last OS and Application Data collection time in GMT/UTC
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.ExtWarrantyInfo

This group contains the attributes that provides details about System.ExtWarrantyInfo

System.ExtWarrantyInfo.Cost (Read or Write)

Description	Displays the total cost of the warranty service on a system.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ExtWarrantyInfo.EndDate (Read or Write)

Description	Displays the date that extended warranty service ends.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

System.ExtWarrantyInfo.Provider (Read or Write)

Description	Displays the name of the business that is providing warranty service to the system owner.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ExtWarrantyInfo.StartDate (Read or Write)

Description	Displays the date that extended warranty service begins. This date usually follows the standard warranty service.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.IdleServerDetection

This group contains the attributes that provide details about System Idle Server Detection.

NOTE: These attributes are only available for supported CUPS capable Intel processors.

System.IdleServerDetection.IdleServerScanInterval (Read or Write)

Description	Scan interval time in hours for which server utilization to be monitored.
Legal Values	• Integral values from 1 to 9000
Default Value	240
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

System.IdleServerDetection.IdleServerStatus (Read Only)

Description	Idle server status: Idle or Utilized
Legal Values	• Utilized-0 • Idle-1

Default Value	0
Write Privilege	Not Applicable
License Required	iDRAC Datacenter
Dependancy	None

System.IdleServerDetection.IdleServerThreshold (Read or Write)

Description	Idle server detection threshold in %
Legal Values	• Integral values from 0 to 50
Default Value	20
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

System.IdleServerDetection.ServerUtilizationPercentile (Read or Write)

Description	Server utilization percentile indicates how many % of samples are above utilization threshold
Legal Values	• Integral values from 80 to 100
Default Value	80
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

System.LCD

NOTE: The System.LCD `get` and `set` commands work on iDRAC on Blade Server, even if the LCD is not present on the server.

NOTE: You can change the LCD group attributes for monolithic servers even if the LCD is not present on servers.

This group contains the attributes that provide details about System.LCD.

System.LCD.ChassisIdentifyDuration (Read or Write)

Description	Enable/Disable chassis Identify. A value of -1 = force on indefinitely; 0 = 0ff; > 0 number of seconds chassis identify is on
Legal Values	• Integral values from -1 to 2592000
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.Configuration (Read or Write)

Description	Current LCD configuration. If this is set to User Defined, the User defined string will be displayed on the LCD.
Legal Values	• User Defined-0 • Model Name-1 • None-2 • iDRAC IPv4 Address-4 • iDRAC MAC Address-8 • OS System Name-16 • Service Tag-32 • IPv6 Address-64 • Ambient Temperature-128 • Airflow-129 • System Watts-256 • Asset Tag-512 • Post-1024 • ADStat-2048 • ADTime-2049 • ADComp-2050 • ADErr-2051
Default Value	32
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LCD.CurrentDisplay (Read Only)

Description	The string currently displayed on the LCD
Legal Values	• String of up to 256 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LCD.ErrorDisplayMode (Read or Write)

Description	LCD error message format selection SEL or simple where simple format include the message ID.
Legal Values	• SEL-1 • simple-2
Default Value	1
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.FrontPanelLocking (Read or Write)

Description	Sets LCD button interface to Full-Access;View-Only; or No access (Locked)
Legal Values	• Full-Access-0 • View-Only-1 • Locked-2
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.HideErrs (Read or Write)

Description	Hide or unhide errors displayed on LCD screen.
Legal Values	• hide-0 • unhide-1
Default Value	1
Write Privilege	
License Required	iDRAC Basic
Dependancy	None

System.LCD.LicenseMsgEnable (Read or Write)

Description	Enable/disable display of no license available for certain licensable features.
Legal Values	• No-License-Msg-0 • Display-Licens-Msg-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.NMIResetOverride (Read or Write)

Description	Enable/disables iDRAC reset capability via the Chassis ID button
Legal Values	• DIsabled-0 • IDButtonResets-1 • IDButtonDoesNotReset-2
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.NumberErrsHidden (Read Only)

Description	The number of hidden LCD active errors
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.NumberErrsVisible (Read Only)

Description	The number of visible LCD active errors
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.LCD.QualifierTemp (Read or Write)

Description	Specifies Ambient Temperature Qualifier
Legal Values	• C-0 • F-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LCD.QualifierWatt (Read or Write)

Description	Specifies System Watt Qualifier
Legal Values	• Watts-0 • BTU/hr-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LCD.UserDefinedString (Read or Write)

Description	User defined custom string for display on LCD

Legal Values	• String of up to 62 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.LCD.Configuration has to be set to 'User Defined' mode

System.LCD.vConsoleIndication (Read or Write)

Description	Virtual Console Indication
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo

This group contains the attributes that provides details about System.LeaseInfo.

System.LeaseInfo.Buyout (Read or Write)

Description	Indicates the amount of money you would have to pay to own a system you are leasing.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo.EndDate (Read or Write)

Description	Displays the agreed upon day, month, and year that the lease is no longer in force.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo.FairValue (Read or Write)

Description	Refers to an arrangement that allows a customer to purchase systems at the end of the lease for its then current fair market value.

Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo.Lessor (Read or Write)

Description	Displays the name of the business entity that is leasing the system to the user.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo.MultiSched (Read or Write)

Description	Indicates whether the cost of leasing the system is computed by more than one rate schedule.
Legal Values	• Yes-0 • No-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.LeaseInfo.RateFactor (Read or Write)

Description	Displays the factor used to calculate the lease payment.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.MaintenanceInfo

This group contains the attributes that provides details about System.MaintenanceInfo.

System.MaintenanceInfo.EndDate (Read or Write)

Description	The date that maintenance ends.

Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.MaintenanceInfo.Provider (Read or Write)

Description	The business entity that provides maintenance on a system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.MaintenanceInfo.Restrictions (Read or Write)

Description	Any exclusions that apply to the maintenance agreement for the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.MaintenanceInfo.StartDate (Read or Write)

Description	The date that maintenance begins.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OutsourceInfo

This group contains the attributes that provides details about System.OutsourceInfo.

System.OutsourceInfo.ProbComp (Read or Write)

Description	Component of the system that requires corrective action such as repair or replacement.
Legal Values	• String of up to 64 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OutsourceInfo.ProviderFee (Read or Write)

Description	Defines any additional fee invoiced by the outsource service provider.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OutsourceInfo.ServiceFee (Read or Write)

Description	Amount of money paid for either the service contract or for corrective action on a specific problem component.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OutsourceInfo.SignedFor (Read or Write)

Description	Person who authorized the repair of the component.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OutsourceInfo.SLALevel (Read or Write)

Description	Service Level Agreement (SLA) between the service provider and the system owner spells out when service is available (for example, how many hours and days per week) and what components are excluded. Levels of service to which the system owner is entitled.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

System.OwnerInfo

This group contains the attributes that provides details about System.OwnerInfo.

System.OwnerInfo.InsComp (Read or Write)

Description	The company that insures the system against theft or other loss.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OwnerInfo.OwnerName (Read or Write)

Description	The individual or business entity that holds legal title to the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.OwnerInfo.Type (Read or Write)

Description	Whether the system is owned or leased.
Legal Values	• Owned-0 • Leased-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM

This group contains the attributes that provides details about System PCIeSlot LFM.

System.PCIeSlotLFM.3rdPartyCard (Read Only)

Description	3rd Party PCIe Card may benefit from additional settings
Legal Values	• No-0

- Yes-1
- N/A-2

Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM.CardType (Read Only)

Description	Type of PCIe card installed
Legal Values	• String of up to 512 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM.CustomLFM (Read or Write)

Description	Minimum airflow to be delivered the installed PCIe card
Legal Values	• Integral values from 0 to 5000
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	CustomLFM is read/write when LFMMode is set to custom

System.PCIeSlotLFM.LFMMode (Read or Write)

Description	Cooling Response Mode
Legal Values	• Automatic-0 • Disabled-1 • Custom-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	LFMMode is read/write when 3rdPartyCard is set to Yes

System.PCIeSlotLFM.MaxLFM (Read Only)

Description	Estimated airflow delivered to the slot at full fan speed
Legal Values	• Integral values from 0 to 65536
Default Value	0

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM.PCIeInletTemperature (Read Only)

Description	Indicates the current PCIe Inlet Temperature for the PCIe Slot.
Legal Values	• Integral values from 0 to 127
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM.SlotState (Read Only)

Description	PCIe slot physically exists
Legal Values	• Not-Defined-0 • Defined-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PCIeSlotLFM.TargetLFM (Read Only)

Description	Minimum airflow provisioned for the installed PCIe card
Legal Values	• String of up to 512 ASCII characters.
Default Value	-
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.PowerHistorical

This group contains the attributes that provide details about System.PowerHistorical.

System.PowerHistorical.IntervalInSeconds (Read or Write)

Description	Time interval between two power reading in the graph.
Legal Values	• Integral values from 0 to 0

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.QuickSync

This group contains the attributes that provides details about System quicksync.

System.QuickSync.Access (Read or Write)

Description	Sets QuickSync access permission
Legal Values	• Disabled-0 • Read-only-1 • Read-write-2
Default Value	2
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.QuickSync.Presence has to be Absent or Present

System.QuickSync.InactivityTimeout (Read or Write)

Description	Quick Sync Inactivity Timeout value specified in seconds with max value of 3600 seconds
Legal Values	• Integral values from 120 to 3600
Default Value	120
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	Cannot be set unless InactivityTimerEnable is Enabled

System.QuickSync.InactivityTimerEnable (Read or Write)

Description	Enables or disables the QuickSync inactivity timer
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.QuickSync.Presence has to be Absent or Present

System.QuickSync.Presence (Read Only)

Description	Indicates the presence or absence of the QuickSync hardware

Legal Values	• Not Supported-0 • Absent-1 • Present-2
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.QuickSync.Presence has to be Absent or Present

System.QuickSync.ReadAuthentication (Read or Write)

Description	Enables or disables QuickSync read authentication to the server
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.QuickSync.Presence has to be Absent or Present

System.QuickSync.WifiEnable (Read or Write)

Description	Enables or disables QuickSync WiFi access
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	System.QuickSync.Presence has to be Absent or Present

System.SCP

This group contains System attributes that can only be configured using Server Configuration Profile (SCP)

System.SCP.RepositoryUpdate (Read Only)

Description	Repository update
Legal Values	• String of up to 1024 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SC-BMC

This group contains the attributes that provide details about System.SC-BMC.

NOTE: The System.Chassis group is deprecated and replaced with System.SC-BMC group.

System.SC-BMC.PowerMonitoring (Read or Write)

Description	Power monitoring
Legal Values	• Integral values from 0 to 1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerInfo

This group contains the attributes that provides details about system server info.

System.ServerInfo.NodeID (Read Only)

Description	Specifies the system node ID.
Legal Values	• String of up to 124 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerInfo.RChassisServiceTag (Read Only)

Description	Provides the system chassis-related service tag.
Legal Values	• String of up to 10 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerInfo.ServerType (Read Only)

Description	The type of physical form factor of the Server
Legal Values	• Rack-0 • Blade-1 • Tower-2

- Sled-3

Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerInfo.ServiceTag (Read Only)

Description	Specifies the system service tag.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerOS

This group contains the attributes that provides details about system server OS.

System.ServerOS.HostName (Read or Write)

Description	Server Host Name
Legal Values	• String of up to 253 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerOS.OEMOSVersion (Read Only)

Description	Server OEM OS Version
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.ServerOS.OSName (Read or Write)

Description	Server Operating System
Legal Values	• String of up to 254 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerOS.OSVersion (Read Only)

Description	Server OS Version
Legal Values	• String of up to 254 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerOS.ProductKey (Read Only)

Description	Windows OS Product Key associated with the server
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerOS.ServerPoweredOnTime (Read Only)

Description	Indicates the time since the Host OS has been powered on (seconds).
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwr

This group contains the attributes that provides details about system server power.

NOTE: For Dell PowerEdge FM120x4 server with more than one iDRAC, the power is received and shared from CMC. Hence, the information about power and temperature for individual iDRACs are not displayed.

System.ServerPwr.ActivePolicyName (Read Only)

Description	The active power cap policy name
Legal Values	• String of up to 128 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.ActivePowerCapVal (Read Only)

Description	Set the Active Power Cap value
Legal Values	• Integral values from 0 to 32767
Default Value	32767
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PowerCapMaxThres (Read Only)

Description	Maximum threshold for Power Cap
Legal Values	• Integral values from 0 to 32767
Default Value	32767
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PowerCapMinThres (Read Only)

Description	Minimum threshold for Power Cap
Legal Values	• Integral values from 0 to 32767
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PowerCapSetting (Read or Write)

Description	Enables or Disables setting the power cap value
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PowerCapValue (Read or Write)

Description	Indicates maximum power consumption limit in Watts
Legal Values	• Integral values from 0 to 32767
Default Value	32767
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PSPFCEnabled (Read or Write)

Description	Enable the Power Supply Power Factor Correction
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PSRapidOn (Read or Write)

Description	Enable the Power Supply Rapid On. Rapid On is exactly same as Hotspare as listed in idrac GUI.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.PSRedPolicy (Read or Write)

Description	Specify the Power Supply redundancy policy
Legal Values	• Not Redundant-0 • A/B Grid Redundant-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwr.RapidOnPrimaryPSU (Read or Write)

Description	The Rapid On Primary PSU
Legal Values	• PSU1-1 • PSU2-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Express or iDRAC Enterprise
Dependancy	None

System.ServerPwrMon

This group contains the attributes that provide details about system server power monitor.

System.ServerPwrMon.AccumulativePower (Read Only)

Description	Total power in energy consumed by server from start time.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.CumulativePowerStartTime (Read Only)

Description	Start of time period from which cumulative power is calculated.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.CumulativePowerStartTimeStr (Read Only)

Description	The start time when cumulative power is recorded.
Legal Values	• String of up to 128 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic

Dependancy	None

System.ServerPwrMon.MinPowerTime (Read Only)

Description	The time when minimum power is recorded.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.MinPowerTimeStr (Read Only)

Description	The time when minimum power is recorded.
Legal Values	• String of up to 128 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.MinPowerWatts (Read Only)

Description	Minimum Power Historical
Legal Values	• Integral values from 0 to 65553
Default Value	65553
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakCurrentTime (Read Only)

Description	Time at which the server observed the maximum current from start time.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakCurrentTimeStr (Read Only)

Description	The time when peak current is recorded.

Legal Values	• String of up to 128 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakPowerStartTime (Read Only)

Description	Start of time period for which peak power is recorded.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakPowerStartTimeStr (Read Only)

Description	The start time when peak power is recorded.
Legal Values	• String of up to 128 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakPowerTime (Read Only)

Description	Time at which the server consumed the maximum power from start time.
Legal Values	• Integral values from 0 to 2147483647
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakPowerTimeStr (Read Only)

Description	The time when peak power is recorded.
Legal Values	• String of up to 128 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PeakPowerWatts (Read Only)

Description	Maximum power consumed by server from the start time.
Legal Values	• Integral values from 0 to 32767
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerPwrMon.PowerConfigReset (Read or Write)

Description	Resets the power statistics starting time. (Write only).
Legal Values	• None-0 • ClrCumulaPowerAndTime-1 • ClrPeaKValueAndTIme-2 • ClrAll-3 • ClrPeakAndCumulaValue-4
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology

NOTE: The System.Location group is deprecated and replaced with System.ServerTopology group.

This group contains the attributes that provides details about System server topology.

System.ServerTopology.AisleName (Read or Write)

Description	The aisle the system is located in.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.BladeSlotNumInChassis (Read Only)

Description	Displays the slot number within the chassis.
Legal Values	• String of up to 2 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.DataCenterName (Read or Write)

Description	The data center the system is located in.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.RackName (Read or Write)

Description	Name of the rack on which the system is located.
Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.RackSlot (Read or Write)

Description	Slot in the rack where the system is located.
Legal Values	• Integral values from 1 to 255
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.RoomName (Read or Write)

Description	Room Name

Legal Values	• String of up to 128 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServerTopology.SizeOfManagedSystemInU (Read Only)

Description	Measure of thickness of the system in U
Legal Values	• Integral values from 1 to 255
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServiceContract

This group contains the attributes that provides details about System.ServiceContract.

System.ServiceContract.Renewed (Read or Write)

Description	Whether the service contract was renewed or not (Yes or No).
Legal Values	• Yes-0 • No-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServiceContract.Type (Read or Write)

Description	Type refers to the name or feature of the system covered by the service contract. For example, Installation Service, Maintenance Service, Return Service, Gold Service, Premier Service.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ServiceContract.Vendor (Read or Write)

Description	The business entity contracting to service the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.Storage

This group contains the attributes that provides details about system storage.

System.Storage.AvailableSpareAlertThreshold (Read or Write)

Description	Displays the system level user configured threshold value for available spare value of the SSD devices connected to system.
Legal Values	• Integral values from 1 to 99
Default Value	10
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.Storage.RemainingRatedWriteEnduranceAlertThreshold (Read or Write)

Description	Displays the system level user configured threshold value for write endurance value of the SSD devices connected to system.
Legal Values	• Integral values from 1 to 99
Default Value	10
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SupportInfo

This group contains the attributes that provides details about System.SupportInfo.

System.SupportInfo.AutoFix (Read or Write)

Description	Method used to fix the problem

Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SupportInfo.HelpDesk (Read or Write)

Description	Name of the help desk that provides technical support for your system; information provided by the help desk.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SupportInfo.Outsourced (Read or Write)

Description	Indicates whether you have contracted with an outside business entity to provide technical support for your system.
Legal Values	• Yes-0 • No-1
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SupportInfo.Type (Read or Write)

Description	Indicates whether a support request is for a problem with your system's network connectivity or with a particular system component.
Legal Values	• Network-0 • Storage-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SystemInfo

This group contains the attributes that provides details about System.SystemInfo.

System.SystemInfo.BootTime (Read Only)

Description	Time of the last system boot.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SystemInfo.PrimaryTelephone (Read or Write)

Description	Telephone number for the person responsible for managing the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SystemInfo.PrimaryUser (Read or Write)

Description	Text that provides the name for the person responsible for managing the system.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SystemInfo.SysLocation (Read or Write)

Description	Alphanumeric text that specifies where the system is, such as building and room.
Legal Values	• String of up to 64 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.SystemInfo.SysTime (Read Only)

Description	Current time configured on the system clock.
Legal Values	• String of up to 64 ASCII characters.

Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalConfig

This group contains the attributes that provide details about System.ThermalConfig.

System.ThermalConfig.ASHRAEEnvironmentalClass (Read Only)

Description	Defines the supported ASHRAE Environmental Class for the system
Legal Values	• N/A-0 • A2-1 • A3-2 • A4-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalConfig.CriticalEventGenerationInterval (Read or Write)

Description	Indicates time interval in days for critical events to be generated
Legal Values	• Integral values from 0 to 365
Default Value	30
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalConfig.EventGenerationInterval (Read or Write)

Description	Indicates time interval in days for warning events to be generated
Legal Values	• Integral values from 0 to 365
Default Value	30
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalConfig.FreshAirCompliantConfiguration (Read Only)

Description	Indicates if the system is a Fresh Air compliant configuration
Legal Values	• Not Applicable-0 • Yes-1 • No-2
Default Value	1
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalConfig.MaxCFM (Read Only)

Description	
Legal Values	• Integral values from 0 to 1000
Default Value	0
Write Privilege	Not Applicable
License Required	iDRAC Basic
Dependancy	Not shown if system.embedded.1#thermalsettings.1#systemCFMsupport is not supported.

System.ThermalConfig.ValidFanConfiguration (Read Only)

Description	Valid Fan Configuration
Legal Values	• No-0 • Yes-1 • NotApplicable-2
Default Value	2
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	None

System.ThermalHistorical

This group contains the attributes that provide details about System.ThermalHistorical.

System.ThermalHistorical.IntervalInSeconds (Read or Write)

Description	Specifies the time resolution
Legal Values	• Integral values from 0 to 0
Default Value	0

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings

This group contains the attributes that provide details about system thermal settings.

NOTE: You may encounter an error when running an operation with attributes requiring iDRAC Datacenter license, on a system without this required license.

System.ThermalSettings.AirExhaustTemp (Read or Write)

Description	Specifies the Average Air Exhaust Temperature **NOTE: This attribute is platform dependent.**
Legal Values	• 40-0 • 45-1 • 50-2 • 55-3 • 60-4 • 65-5 • 70-255
Default Value	255
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	Feature must be supported to set the value.

System.ThermalSettings.AirExhaustTempSupport (Read Only)

Description	Specifies if the Average Air Exhaust Temperature is supported
Legal Values	• Not Supported-0 • Supported-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Datacenter
Dependancy	None

System.ThermalSettings.AirTemperatureRiseLimit (Read or Write)

Description	Defines the Air Temperature Rise Limit
Legal Values	• 15-0

- 20-1
- 25-2
- 30-3
- 35-4
- 40-5
- 45-6
- NO LIMIT-255

Default Value	255
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	Feature must be supported to set the value.

System.ThermalSettings.AirTemperatureRiseLimitSupport (Read Only)

Description	Defines if the Air Temperature Rise Limit configuration is supported
Legal Values	• Not Supported-0 • Supported-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

System.ThermalSettings.CurrentSystemProfileValue (Read Only)

Description	Displays current system profile value
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.FanSpeedHighOffsetVal (Read Only)

Description	Specifies the Fan Speed High Offset Value **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC

License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.FanSpeedLowOffsetVal (Read Only)

Description	Specifies the Fan Speed Low Offset Value **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.FanSpeedMaxOffsetVal (Read Only)

Description	Specifies the Fan Speed Max Offset Value
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.FanSpeedMediumOffsetVal (Read Only)

Description	Specifies the Fan Speed Medium Offset Value **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 65535
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.FanSpeedOffset (Read or Write)

Description	Specifies the Fan Speed Offset **NOTE: This attribute is platform dependent.**

Legal Values	• Low-0 • High-1 • Medium-2 • Max-3 • Off-255
Default Value	255
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.MaximumPCIeInletTemperatureLimit (Read or Write)

Description	Defines the Maximum PCIe Inlet Temperature Limit.
Legal Values	• 55-0 • 45-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	Feature must be supported to set the value.

System.ThermalSettings.MaximumPCIeInletTemperatureLimitSupport (Read Only)

Description	Defines if the Maximum PCIe Inlet Temperature Limit configuration is supported.
Legal Values	• Not Supported-0 • Supported-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	None

System.ThermalSettings.MFSMaximumLimit (Read Only)

Description	Specifies the MFS Maximum Limit **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 100
Default Value	100
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.MFSMinimumLimit (Read Only)

Description	Specifies the MFS Minimum Limit **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 100
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.MinimumFanSpeed (Read or Write)

Description	Minimum Fan Speed **NOTE: This attribute is platform dependent.**
Legal Values	• Integral values from 0 to 255
Default Value	255
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.PCIeSlotLFMSupport (Read Only)

Description	Specifies if the PCIe LFM feature is supported
Legal Values	• Not Supported-0 • Supported-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Datacenter
Dependancy	None

System.ThermalSettings.ReportConfigError (Read or Write)

Description	Specifies if unsupported configuration errors should be reported.
Legal Values	• Disabled-0 • Enabled-1
Default Value	1

Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.SetAirTemperatureRiseLimit (Read or Write)

Description	Defines if the Air Temperature Rise Limit configuration is enabled/disabled.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	Feature must be supported to set the value.

System.ThermalSettings.SetMaximumExhaustTemperatureLimit (Read or Write)

Description	Defines if the Exhaust Temperature Limit configuration is disabled or enabled.
Legal Values	• Disabled-0 • Enabled-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Datacenter
Dependancy	Feature must be supported to set the value.

System.ThermalSettings.SystemCFMSupport (Read Only)

Description	Specifies if the System CFM is supported
Legal Values	• Not Supported-0 • Supported-1
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Datacenter
Dependancy	None

System.ThermalSettings.SystemExhaustTemperature (Read Only)

Description	Indicates the current system exhaust temperature.

Legal Values	• Integral values from 0 to 127
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.SystemInletTemperature (Read Only)

Description	Indicates the current system inlet (ambient) temperature.
Legal Values	• Integral values from 0 to 127
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.SystemInletTemperatureSupportLimitPerConfiguration (Read Only)

Description	Indicates the system inlet temperature limit supported for system configuration.
Legal Values	• Integral values from 0 to 127
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.TargetExhaustTemperatureLimit (Read Only)

Description	Indicates the current effective target exhaust temperature limit.
Legal Values	• Integral values from 0 to 127
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.ThermalSettings.ThermalProfile (Read or Write)

Description	Specifies the Thermal Profile

NOTE: **Restart the system to activate the power and thermal settings.**

Legal Values	• Default Thermal Profile Settings-0 • Maximum Performance-1 • Minimum Power-2 • Sound Cap-3
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.USBFront

This group contains the attributes that provides details about system USB front.

System.USBFront.Enable (Read or Write)

Description	Enables or disables the host front USB port. NOTE: **This setting can be overwritten by BIOS Menu setting.**
Legal Values	• Enabled-2 • Disabled-1 • Not Applicable-0
Default Value	0
Write Privilege	Server Configuration
License Required	iDRAC Basic
Dependancy	System.USBFront.Enable can only be set to Enable/Disable if iDRAC.PlatformCapability.FrontPortUSBConfiguration is Enabled. System. USBFront.Enable can only be set to NotApplicable if iDRAC.PlatformCapability.FrontPortUSBConfiguration is Disabled.

System.WarrantyInfo

This group contains the attributes that provides details about System.WarrantyInfo.

System.WarrantyInfo.Cost (Read or Write)

Description	The total cost of the warranty service on a system.
Legal Values	• String of up to 32 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.WarrantyInfo.Duration (Read or Write)

Description	The number of days or months that the warranty is to be in force.
Legal Values	• String of up to 64 ASCII characters.
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.WarrantyInfo.EndDate (Read or Write)

Description	The date that extended warranty service ends.
Legal Values	• String of up to 32 ASCII characters.
Default Value	None
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None

System.WarrantyInfo.UnitType (Read or Write)

Description	Indicates whether the length of the warranty is measured in days or months.
Legal Values	• Days-0 • Months-1
Default Value	0
Write Privilege	Configure iDRAC
License Required	iDRAC Basic
Dependancy	None