

iDRAC 7/8 RACADM

Support Matrix



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Introduction

This document provides a list of RACADM subcommands and database objects that are applicable for iDRAC 7/8 versions.

Topics:

- RACADM Subcommands
- RACADM Database Objects With get and set Commands
- RACADM Database Objects With getconfig and setconfig Commands

For detailed information about the subcommands and database objects, see the *RACADM Command Line Reference Guide* applicable for a particular iDRAC version available at dell.com/idracmanuals.

For information on the older versions of iDRAC7 and iDRAC8, see the *RACADM Support Matrix* document for the applicable versions available at dell.com/idracmanuals.

New In This Release

- Added iDRAC.NIC.VlanPort attribute to enable the VLAN switch.
- Added iDRACHardReset to reset iDRAC when unresponsive.
- Added iDRAC.Redfish.Enable attribute to enable or disable Redfish service.
- Added iDRAC.Redfisheventing.DeliveryRetryAttempts attribute to specify the number of retry attempts made for Redfish event delivery.
- Added iDRAC.Redfisheventing.DeliveryRetryIntervalInSeconds attribute to specify the retry interval of Redfish event delivery interval in seconds.
- Added iDRAC.Redfisheventing.IgnoreCertificateErrors attribute to enable or disable ignorance of certificate errors notification.
- Added BIOS.IntegratedDevices.GlobalSlotDriverDisable attribute to control the pre-boot driver on any slot.
- Added BIOS.Procsettings.Proc2Cores, BIOS.Procsettings.Proc3Cores, and BIOS.Procsettings.Proc4Cores attributes to control the number of enabled cores in each processor.
- Added BIOS.SysProfileSettings.WriteDataCrc attribute to detect the DDR4 data bus issues and to resolve it during the write operation.
- Added BIOS.SysSecurity.TpmFirmware attribute to display the firmware version of the Trusted Platform Module (TPM).
- Added BIOS.SysSecurity.TpmPpiBypassClear attribute to clear the Physical Presence Interface (PPI) and, the Advanced Configuration and Power Interface (ACPI). It also enables the operating system to bypass the PPI-related prompts.
- Added BIOS.SysSecurity.TpmPpiBypassProvision attribute to enable or disable the Physical Presence Interface (PPI), and the Advanced Configuration and Power Interface (ACPI). It also enables the operating system to by-pass the PPI-related prompts.
- Added support for enhanced and flexible backplane zoning or split modes.

Deprecated and New Subcommands

The following table provides the list of deprecated subcommands and equivalent new subcommands. However, these deprecated commands are still supported on iDRAC7/8 versions.

Deprecated Subcommands	New Subcommands
getconfig	get
config	set
getuseversion	getversion
raid	storage

RACADM Group Name	RACADM Object Name	iDRAC7 Version							iDRAC8 Version			
		1.40.40	1.50.50	1.55.55	1.66.65	2.10.10.10	2.20.20.20	2.30.30.30	2.00.00.00 / 2.05.05.05	2.10.10.10	2.20.20.20	2.30.30.30
iDRAC.vflashsd	iDRAC.vflashsd.AvailableSize	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.Enable	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.Health	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.Initialized	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.Licensed	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.Size	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.vflashsd.WriteProtect	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iDRAC.VirtualConsole	iDRAC.VirtualConsole.AccessPrivilege	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.AttachState	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.Enable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.EncryptEnable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.LocalVideo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.MaxSessions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.PluginType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualConsole.Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iDRAC.VirtualMedia	iDRAC.VirtualMedia.Attached	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualMedia.BootOnce	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VirtualMedia.FloppyEmulation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iDRAC.VNCServer	iDRAC.VNCServer.Enable	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VNCServer.LowerEncryptionBitLength	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VNCServer.Password	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VNCServer.Port	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.VNCServer.SSLEncryptionBitLength	No	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes
	iDRAC.VNCServer.Timeout	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iDRAC.WebServer	iDRAC.WebServer.Enable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.WebServer.HttpPort	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.WebServer.HttpsPort	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.Webserver.Httpsredirection	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.WebServer.LowerEncryptionBitLength	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	iDRAC.WebServer.MaxNumberOfSessions	No	No	No	No	No	No	Yes	No	No	No	Yes
	iDRAC.WebServer.SSLEncryptionBitLength	No	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes
	iDRAC.WebServer.Timeout	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIOS.BiosBootSettings	BIOS.BiosBootSettings.BootSeq	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.BiosBootSettings.BootMode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.BiosBootSettings.BootSeqRetry	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.BiosBootSettings.HddFailover	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes

RACADM Group Name	RACADM Object Name	iDRAC7 Version							iDRAC8 Version			
		1.40.40	1.50.50	1.55.55	1.66.65	2.10.10.10	2.20.20.20	2.30.30.30	2.00.00.00 /2.05.05.05	2.10.10.10	2.20.20.20	2.30.30.30
BIOS.SataSettings (Continued)	BIOS.SataSettings.SataPortA Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortBC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortBD riveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortBM odel	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortCC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortCD riveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortC Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortDC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortD DriveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortD DriveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortD Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortEC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortED riveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortE Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortFC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortFD riveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortFM odel	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortGC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortG DriveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortG Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortHC apacity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortH DriveType	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SataSettings.SataPortH Model	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIOS.SataSettings.SataPortI	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
BIOS.SataSettings.SataPortICa pacity	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
BIOS.SataSettings.SataPortIDr iverType	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	

RACADM Group Name	RACADM Object Name	iDRAC7 Version							iDRAC8 Version			
		1.40.40	1.50.50	1.55.55	1.66.65	2.10.10.10	2.20.20.20	2.30.30.30	2.00.00.00 /2.05.05.05	2.10.10.10	2.20.20.20	2.30.30.30
BIOS.SysSecurity (Continued)	BIOS.SysSecurity.TpmActivation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SysSecurity.TpmClear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SysSecurity.TpmFirmware	No	No	No	No	No	No	Yes	No	No	No	Yes
	BIOS.SysSecurity.TpmPpiBypassClear	No	No	No	No	No	No	Yes	No	No	No	Yes
	BIOS.SysSecurity.TpmPpiBypassProvision	No	No	No	No	No	No	Yes	No	No	No	Yes
	BIOS.SysSecurity.TpmSecurity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.SysSecurity.TPMStatus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIOS.UefiBootSettings	BIOS.UefiBootSettings.UefiBootSeq	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	BIOS.UefiBootSettings.UefiPxePVersion	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FC.FCDevice	FC.FCDevice.BusDeviceFunction	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCDevice.ChipMdl	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCDevice.EFIVersion	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCDevice.FamilyVersion	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCDevice.PCIDeviceID	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FC.FCTarget	FC.FCTarget.BootScanSelection	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCTarget.FirstFCTargetLUN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCTarget.SecondFCTargetLUN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCTarget.FirstFCTargetWWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.FCTarget.SecondFCTargetWWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FC.HBAConfig	FC.HBAConfig.FCTape	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.FabricLoginTimeout	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.FabricLoginRetryCount	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.FramePayloadSize	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.HardZone	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.HardZoneAddress	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.LinkDownTimeout	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.LoopResetDelay	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.PortDownRetryCount	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.PortDownTimeout	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.HBAConfig.PortLoginRetryCount	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FC.HBAConfig.PortLoginTimeout	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	

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FC.PortConfig	FC.PortConfig.DeviceName	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.FCDevice	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.FCTarget	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.HBAConfig	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.PortNumber	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.PortSpeed	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.VirtualWWN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.VirtualWWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	FC.PortConfig.WWN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FC.PortConfig.WWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
NIC.ConfigureFormn	NIC.ConfigureFormn.BusDeviceFunction	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.MacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.FIPMacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.IscsiMacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.iScsiOffloadMode	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.FCoEOffloadMode	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.NicMode	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.PCIDeviceID	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.WWN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.WWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.VirtWWN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.VirtWWPN	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.ConfigureFormn.VirtMacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
NIC.ConfigureFormn.VirtIscsiMacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
NIC.ConfigureFormn.VirtFIPMacAddr	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
NIC.DCBSSettings	NIC.DCBSSettings.CongestionNotification	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DCBSSettings.DCBExchangeProtocol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DCBSSettings.EnhancedTransmissionSelection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DCBSSettings.PriorityFlowControl	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NIC.DeviceLevelConfig	NIC.DeviceLevelConfig.EVBModesSupport	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DeviceLevelConfig.FlowControlSetting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DeviceLevelConfig.SRIOVSupport	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DeviceLevelConfig.NParEPP	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	NIC.DeviceLevelConfig.VirtualizationMode	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes

