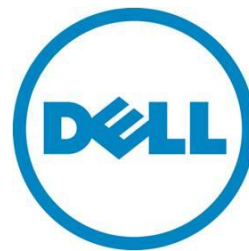# OMSA/OMSS to iDRAC7 SNMP-Gets Migration Guide

This Dell technical white paper presents an in-depth comparison of the newly added server/storage inventory modeling using the iDRAC SNMP interface with the corresponding OMSA/OMSS SNMP model.

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Executive summary

Traditionally, the one-to-many consoles that monitoed several servers using SNMP required installing host-agents like OMSA/OMSS. Starting with the release of iDRAC7 firmware, consoles can gather server/storage inventory without the need to install host-agents. This paper contains a detailed comparison of the new tables/attributes added to the iDRAC7 MIB file with the existing ones in OMSA/OMSS MIB files. It annotates the key similarities and differences along with some hints on effective usage of the newly developed data model. Overall, the paper servers as a good collection for consoles already consuming data from OMSA/OMSS and intending to achieve the same using iDRAC7 or as a preliminary guide for consoles starting to integrate with iDRAC7 agent-free inventory/monitoring.

Terms and definitions

OM - OpenManage	This is a collection of Dell software tools/utilities to manage, monitor and deploy the Dell PowerEdge servers.
OMSA – OpenManage Server Administrator	A software agent (part of OpenManage product suite) that provides a comprehensive one-to-one systems management solution.
OMSS - OpenManage Server Administrator Storage Management	A software agent (part of OpenManage product suite) to manage the storage attached to the Dell PowerEdge server.
iDRAC – Integrated Dell Remote Access Controller	An embedded device capable of remote server management present in the Dell PowerEdge server.
SNMP	Simple Network Management Protocol.
SMI	Structure of Management Information.
MIB	Management Information Base.
OID	Object Identifier.

Introduction

The introduction of PowerEdge 12th generation servers brought the capability of agent-free inventory and monitoring from iDRAC7. With this solution, the inventory and monitoring of the server and storage attached to it is done without the need for installing agents like the OpenManage Server Administrator (OMSA) or Open Manage Storage services (OMSS) on the host.

During the first release of PowerEdge 12th generation servers (aligned with the OpenManage 7.0), the out-of-band inventory information was made available using the iDRAC7 interfaces, such as the iDRAC7 web interface, RACADM and so on. Until OpenManage 7.2 (aligned with iDRAC firmware version 1.30.30) consoles use of the SNMP protocol was limited to monitoring (trap generation). However, to retrieve the inventory using the SNMP interface, clients had to install host agents. In addition, only the SNMP v1 and v2c versions of the protocol were supported.

In the following OpenManage 7.2 release, these limitations no longer exist. Newer capabilities were developed into the iDRAC7 SNMP agent, which are effectively leveraged by the 1: N consoles or Management Stations (MS). These are briefly captured as follows:

SNMP GET and GETNEXT operations supported	There is an updated MIB file modeling the server/storage data. Clients can now query the iDRAC7 SNMP agent and build the inventory similar to the way done today by retrieving data from OMSA/OMSS agents.
SNMP v3 support	The iDRAC7 now supports SNMP v3, which is more secure.

In this document, the new iDRAC7 MIB is explained in great detail. However, the focus is to do a comparative study of the OMSA/OMSS SNMP MIB and the new iDRAC7 MIB files. Primarily, this helps existing console applications consuming SNMP data from OMSA/OMSS, to modify their tools/utilities. They can now start consuming out-of-band data from the iDRAC7 embedded management and avoid the installing an OS-agent for this purpose. In addition, it gives a good overview to new customers who would like to start consuming server/storage inventory data using iDRAC7 with SNMP.

The iDRAC7 MIB server/storage explained

In general, the iDRAC7 MIB for server and storage are modeled with corresponding OMSA/OMSS MIBs as the base reference. Some of the noteworthy aspects of the iDRAC7 MIB (part of OM 7.2 release) are:

- Unlike OMSA/OMSS, where there are two separate MIB files – one for server and one for storage, the iDRAC7 has a single MIB file that consolidates both the server and storage subsystems.

- The iDRAC7 MIB file is now published in two notations, both SMIv1 and SMIv2. Though, note that the two versions of the MIB file are functionally equivalent.

    i. iDRAC-SMIv1.mib   SMIv1 version of iDRAC7 MIB file

    ii. iDRAC-SMIv2.mib   SMIv2 version of iDRAC7 MIB file

- The table/group and attribute OIDs are identical to the corresponding ones in OMSA/OMSS to a large extent. However, some attributes of OMSA/OMSS that are not applicable to (or not supported on) iDRAC7 were deleted.

    Note: All of the remaining attributes (For example: any that were not deleted) have *not* been renumbered. This numbering makes sure of a seamless migration of the console scripts from OMSA/OMSS agent to iDRAC7 agent. (The attribute OID numbers are not strictly continuous in the tables in the iDRAC7 MIB.)

- As the suffix part of the entire OID is common w.r.t to OMSA/OMSS and iDRAC7, typically only a simple pattern replacement of an OMSA/OMSS OID is needed to generate the equivalent iDRAC7 OID.

- The group, table and attribute names are retained from OMSA/OMSS MIB with few exceptions (details in the following sections).

- Any new attributes in iDRAC7 tables, relative to OMSA/OMSS, are appended onto the end of the iDRAC7 tables to preserve backward compatibility with OMSA/OMSS.

- Some existing attributes have new expected values or value ranges in iDRAC7 relative to OMSA/OMSS.

OMSA to iDRAC7 SNMP Get migration

This section captures a comparative study of the iDRAC7 (firmware version 1.30.30 part of OpenManage 7.2 release) SNMP modeling of the server/system with the OMSA version 7.1.

In general, the groups, table structures and hierarchy have been retained in iDRAC7 as compared with the OMSA MIB (for example: 10892.mib file). The server/system base OID in OMSA, for example: 1.3.6.1.4.1.674.10892.1 now corresponds to 1.3.6.1.4.1.674.10892.5.4 in iDRAC7. So, typically replacing the "10892.1" in an OMSA OID with "10892.5.4" should result in the corresponding OID in iDRAC7.

The OMSA tables listed in Table 1 below are not available in iDRAC7.

Table 1.   Unavailable OMSA tables for iDRAC7

OMSA Table Name
systemManagementSoftwareGroup
uUIDTable
postLogTable
baseBoardTable
operatingSystemTable
operatingSystemMemoryTable
systemResourceMapTable
systemResourceOwnerTable
systemResourceIOPortTable
systemResourceMemoryTable
systemResourceInterruptTable
SystemResourceDMATableEntry
aCPowerSwitchTable
aCPowerCordTable
powerProfileTable
userSecurityTable
remoteFlashBIOSTable
pointingPortTable
keyboardPortTable
processorPortTable
memoryDevicePortTable
monitorPortTable
sCSIPortTable
parallelPortTable
serialPortTable
uSBPortTable
pointingDeviceTable
keyboardDeviceTable
cacheDeviceTable
memoryDeviceMappedAddressTable
genericDeviceTable
pCIDeviceConfigurationSpaceTable
managedSystemServicesDeviceTable

OMSA Table Name
sdCardUnitTable
sdCardDeviceTable
physicalMemoryArrayTable
physicalMemoryArrayMappedTable
physicalMemoryConfigTable
physicalMemoryLoggingTable
physicalMemoryCardTable
redundantMemoryUnitTable
biosSetUpControlTable
sCSIControlTable
parallelPortControlTable
serialPortControlTable
usbControlTable
ideControlTable
disketteControlTable
networkInterfaceControlTable
biosSettingTable
lRAGlobalSettingsTable
lRAActionTableTable
cooTable
cooServiceContractTable
cooCostEventLogTable
cooWarrantyTable
cooLeaseInformationTable
cooScheduleNumberTable
cooOptionsTable
cooMaintenanceTable
cooRepairTable
cooSupportInformationTable
cooTroubleTicketTable
clusterTable
bmcTable
bmcSerialInterfaceTable
bmcLANInterfaceTable

Here are a few other differences between the OMSA MIB tables and the iDRAC7 MIB tables:

- Fully Qualified Device Descriptors (FQDD): A new FQDD attribute is supported by some, though not all, server/system tables in the iDRAC7 MIB. Any new FQDD attributes have been appended onto the end of the iDRAC7 tables to preserve backward compatibility with OMSA.

- The following new attributes, relative to the OMSA MIB, are supported by iDRAC7 (in the systemStateTable):

  systemStateIDSDMCardUnitStatusCombined
  systemStateIDSDMCardUnitStatusList
  systemStateIDSDMCardDeviceStatusCombined
  systemStateIDSDMCardDeviceStatusList
  systemStateTemperatureStatisticsStateDetails

> systemStateTemperatureStatisticsStatusCombined
> systemStateTemperatureStatisticsStatusDetails

- The following two new attributes, relative to the OMSA MIB, are supported by iDRAC7 (under the chassisInformationGroup):

  > numEventLogEntries
  > numLCLogEntries

- The following one new table, relative to the OMSA MIB, is supported by iDRAC7 (under the chassisInformationGroup):

  > lcLogTable

Here are a few other notes about various iDRAC7 MIB attributes and tables:

- Due to the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application for certain devices, the number of instances (rows) and/or the ordering of instances (rows) in various tables, at run-time, can be different in iDRAC7, relative to OMSA. In other words, there is no guarantee that the number and ordering of the rows returned by iDRAC7 for any given table are the same as the number and ordering of rows returned by OMSA for the same table, in cases where data is queried from both iDRAC7 and OMSA running on the same system.

- Some tables are not present on modular (blade) systems. These tables include:

  > intrusionTable
  > powerUnitTable
  > powerSupplyTable
  > coolingUnitTable
  > coolingDeviceTable
  > systemSlotTable

- The new "numEventLogEntries" attribute and new "lcLogTable" can only be accessed using SNMPv3 queries. Access to both of them is blocked for SNMPv1 and SNMPv2c queries.

A detailed study of the server/system tables/attributes is presented in the OMSA-to-iDRAC7 comparison below.

Table 2.　mIBVersionGroup

OMSA			iDRAC7			Comments
Group	mIBVersionGroup		Group	mIBVersionGroup		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
mIBMajorVersionNumber	1.3.6.1.4.1.674.10892.1.1.1	DellUnsigned8BitRange	mIBMajorVersionNumber	1.3.6.1.4.1.674.10892.5.4.1.1	Unsigned8BitRange	iDRAC7 has its own versioning. So iDRAC7 major version will not (necessarily) match OMSA major version.
mIBMinorVersionNumber	1.3.6.1.4.1.674.10892.1.1.2	DellUnsigned8BitRange	mIBMinorVersionNumber	1.3.6.1.4.1.674.10892.5.4.1.2	Unsigned8BitRange	iDRAC7 has its own versioning. So iDRAC7 minor version will not (necessarily) match OMSA minor version.
mIBMaintenanceVersionNumber	1.3.6.1.4.1.674.10892.1.1.3	DellUnsigned8BitRange	mIBMaintenanceVersionNumber	1.3.6.1.4.1.674.10892.5.4.1.3	Unsigned8BitRange	iDRAC7 has its own versioning. So iDRAC7 main version will not (necessarily) match OMSA main version.

Table 3.   systemStateGroup/systemStateTable

OMSA			iDRAC7			Comments
Group	**systemStateGroup**		**Group**	**systemStateGroup**		
Table	**systemStateTable**		**Table**	**systemStateTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemStatechassisIndex	1.3.6.1.4.1.674.10892.1.200.10.1.1	DellObjectRange	systemStatechassisIndex	1.3.6.1.4.1.674.10892.5.4.200.10.1.1	ObjectRange	
systemStateGlobalSystemStatus	1.3.6.1.4.1.674.10892.1.200.10.1.2	DellStatus	systemStateGlobalSystemStatus	1.3.6.1.4.1.674.10892.5.4.200.10.1.2	ObjectStatusEnum	The underlying object topology and corresponding algorithm to calculate the worst case severity is different between OMSA and iDRAC7. Therefore, exact consistency in the values should not be expected.
systemStateChassisState	1.3.6.1.4.1.674.10892.1.200.10.1.3	DellStateSettings	systemStateChassisState	1.3.6.1.4.1.674.10892.5.4.200.10.1.3	StateSettingsFlags	
systemStateChassisStatus	1.3.6.1.4.1.674.10892.1.200.10.1.4	DellStatus	systemStateChassisStatus	1.3.6.1.4.1.674.10892.5.4.200.10.1.4	ObjectStatusEnum	The underlying object topology and corresponding algorithm to calculate the worst case severity is different between OMSA and iDRAC7. Therefore, exact consistency in the values should not be expected.
systemStatePowerUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.5	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.5	OCTET STRING (SIZE(1..128))	
systemStatePowerUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.10.1.6	DellStatusRedundancy	systemStatePowerUnitStatusRedundancy	1.3.6.1.4.1.674.10892.5.4.200.10.1.6	StatusRedundancyEnum	
systemStatePowerUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.7	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.7	OCTET STRING (SIZE(1..128))	
systemStatePowerSupplyStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.8	OCTET STRING (SIZE(1..128))	systemStatePowerSupplyStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.8	OCTET STRING (SIZE(1..128))	

OMSA			iDRAC7			Comments
Group	**systemStateGroup**		**Group**	**systemStateGroup**		
Table	**systemStateTable**		**Table**	**systemStateTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemStatePowerSupplyStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.9	DellStatus	systemStatePowerSupplyStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.9	ObjectStatusEnum	
systemStatePowerSupplyStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.10	OCTET STRING (SIZE(1..128))	systemStatePowerSupplyStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.10	OCTET STRING (SIZE(1..128))	
systemStateVoltageStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.11	OCTET STRING (SIZE(1..128))	systemStateVoltageStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.11	OCTET STRING (SIZE(1..128))	
systemStateVoltageStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.12	DellStatus	systemStateVoltageStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.12	ObjectStatusEnum	
systemStateVoltageStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.13	OCTET STRING (SIZE(1..128))	systemStateVoltageStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.13	OCTET STRING (SIZE(1..128))	
systemStateAmperageStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.14	OCTET STRING (SIZE(1..128))	systemStateAmperageStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.14	OCTET STRING (SIZE(1..128))	
systemStateAmperageStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.15	DellStatus	systemStateAmperageStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.15	ObjectStatusEnum	
systemStateAmperageStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.16	OCTET STRING (SIZE(1..128))	systemStateAmperageStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.16	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.17	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.17	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.10.1.18	DellStatusRedundancy	systemStateCoolingUnitStatusRedundancy	1.3.6.1.4.1.674.10892.5.4.200.10.1.18	StatusRedundancyEnum	
systemStateCoolingUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.19	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.19	OCTET STRING (SIZE(1..128))	
systemStateCoolingDeviceStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.20	OCTET STRING (SIZE(1..128))	systemStateCoolingDeviceStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.20	OCTET STRING (SIZE(1..128))	
systemStateCoolingDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.21	DellStatus	systemStateCoolingDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.21	ObjectStatusEnum	
systemStateCoolingDeviceStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.22	OCTET STRING (SIZE(1..128))	systemStateCoolingDeviceStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.22	OCTET STRING (SIZE(1..128))	
systemStateTemperat	1.3.6.1.4.1.674.10892.1.200.10.1.	OCTET STRING	systemStateTempera	1.3.6.1.4.1.674.10892.5.4.200.1	OCTET STRING	

OMSA			iDRAC7			Comments
Group	systemStateGroup		**Group**	systemStateGroup		
Table	systemStateTable		**Table**	systemStateTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
ureStateDetails	23	(SIZE(1..128))	tureStateDetails	0.1.23	(SIZE(1..128))	
systemStateTemperatureStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.24	DellStatus	systemStateTemperatureStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.24	ObjectStatusEnum	
systemStateTemperatureStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.25	OCTET STRING (SIZE(1..128))	systemStateTemperatureStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.25	OCTET STRING (SIZE(1..128))	
systemStateMemoryDeviceStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.26	OCTET STRING (SIZE(1..128))	systemStateMemoryDeviceStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.26	OCTET STRING (SIZE(1..128))	
systemStateMemoryDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.27	DellStatus	systemStateMemoryDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.27	ObjectStatusEnum	
systemStateMemoryDeviceStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.28	OCTET STRING (SIZE(1..128))	systemStateMemoryDeviceStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.28	OCTET STRING (SIZE(1..128))	
systemStateChassisIntrusionStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.29	OCTET STRING (SIZE(1..128))	systemStateChassisIntrusionStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.29	OCTET STRING (SIZE(1..128))	
systemStateChassisIntrusionStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.30	DellStatus	systemStateChassisIntrusionStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.30	ObjectStatusEnum	
systemStateChassisIntrusionStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.31	OCTET STRING (SIZE(1..128))	systemStateChassisIntrusionStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.31	OCTET STRING (SIZE(1..128))	
systemStateACPowerSwitchStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.32	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateACPowerSwitchStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.10.1.33	DellStatusRedundancy	Not Available in iDRAC7			
systemStateACPowerSwitchStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.34	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateACPowerCordStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.35	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	systemStateGroup		**Group**	systemStateGroup		
Table	systemStateTable		**Table**	systemStateTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemStateACPowerCordStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.36	DellStatus	Not Available in iDRAC7			
systemStateACPowerCordStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.37	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateRedundantMemoryUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.10.1.38	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateRedundantMemoryUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.10.1.39	DellStatusRedundancy	Not Available in iDRAC7			
systemStateRedundantMemoryUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.10.1.40	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateEventLogStatus	1.3.6.1.4.1.674.10892.1.200.10.1.41	DellStatus	Not Available in iDRAC7			
systemStatePowerUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.42	DellStatus	systemStatePowerUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.42	ObjectStatusEnum	
systemStatePowerUnitStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.43	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.43	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.44	DellStatus	systemStateCoolingUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.44	ObjectStatusEnum	
systemStateCoolingUnitStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.45	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.45	OCTET STRING (SIZE(1..128))	
systemStateACPowerSwitchStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.46	DellStatus	Not Available in iDRAC7			
systemStateACPowerSwitchStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.47	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateRedundantMemoryUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.48	DellStatus	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	systemStateGroup		**Group**	systemStateGroup		
Table	systemStateTable		**Table**	systemStateTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemStateRedundantMemoryUnitStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.49	OCTET STRING (SIZE(1..128))	Not Available in iDRAC7			
systemStateProcessorDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.50	DellStatus	systemStateProcessorDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.50	ObjectStatusEnum	
systemStateProcessorDeviceStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.51	OCTET STRING (SIZE(1..128))	systemStateProcessorDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.51	OCTET STRING (SIZE(1..128))	
systemStateBatteryStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.52	DellStatus	systemStateBatteryStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.52	ObjectStatusEnum	
systemStateBatteryStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.53	OCTET STRING (SIZE(1..128))	systemStateBatteryStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.53	OCTET STRING (SIZE(1..128))	
systemStateSDCardUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.54	DellStatus	systemStateSDCardUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.54	OCTET STRING (SIZE(1..128))	
systemStateSDCardUnitStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.55	OCTET STRING (SIZE(1..128))	systemStateSDCardUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.55	OCTET STRING (SIZE(1..128))	
systemStateSDCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.56	DellStatus	systemStateSDCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.56	ObjectStatusEnum	
systemStateSDCardDeviceStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.57	OCTET STRING (SIZE(1..128))	systemStateSDCardDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.57	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateIDSDMCardUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.58	ObjectStatusEnum	
Not Available in OMSA			systemStateIDSDMCardUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.59	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateIDSDMCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.60	ObjectStatusEnum	

OMSA			iDRAC7			Comments
Group	**systemStateGroup**		**Group**	**systemStateGroup**		
Table	**systemStateTable**		**Table**	**systemStateTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
Not Available in OMSA			systemStateIDSDMCardDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.61	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateTemperatureStatisticsStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.62	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateTemperatureStatisticsStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.63	ObjectStatusEnum	
Not Available in OMSA			systemStateTemperatureStatisticsStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.64	OCTET STRING (SIZE(1..128))	

Table 4.   chassisInformationGroup

OMSA			iDRAC7			Comments
Group	**chassisInformationGroup**		**Group**	**chassisInformationGroup**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
Not Available in OMSA			numEventLogEntries	1.3.6.1.4.1.674.10892.5.4.300.1.0	Unsigned32BitRange	
Not Available in OMSA			numLCLogEntries	1.3.6.1.4.1.674.10892.5.4.300.2.0	Unsigned32BitRange	

Table 5.   chassisInformationGroup/chassisInformationTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	chassisInformationTable		Table	chassisInformationTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
chassisIndexChassisInformation	1.3.6.1.4.1.674.10892.1.300.10.1.1	DellObjectRange	chassisIndexChassisInformation	1.3.6.1.4.1.674.10892.5.4.300.10.1.1	ObjectRange	
chassisStateCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.2	DellStateCapabilities	chassisStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.10.1.2	StateCapabilitiesFlags	
chassisStateSettings	1.3.6.1.4.1.674.10892.1.300.10.1.3	DellStateSettings	chassisStateSettings	1.3.6.1.4.1.674.10892.5.4.300.10.1.3	StateSettingsFlags	
chassisStatus	1.3.6.1.4.1.674.10892.1.300.10.1.4	DellStatus	chassisStatus	1.3.6.1.4.1.674.10892.5.4.300.10.1.4	ObjectStatusEnum	
chassisparentIndexReference	1.3.6.1.4.1.674.10892.1.300.10.1.5	DellObjectRange	chassisparentIndexReference	1.3.6.1.4.1.674.10892.5.4.300.10.1.5	ObjectRange	
chassisType	1.3.6.1.4.1.674.10892.1.300.10.1.6	DellChassisType	chassisType	1.3.6.1.4.1.674.10892.5.4.300.10.1.6	ChassisTypeEnum	
chassisName	1.3.6.1.4.1.674.10892.1.300.10.1.7	DellString	chassisName	1.3.6.1.4.1.674.10892.5.4.300.10.1.7	String64	
chassisManufacturerName	1.3.6.1.4.1.674.10892.1.300.10.1.8	DellString	chassisManufacturerName	1.3.6.1.4.1.674.10892.5.4.300.10.1.8	String64	
chassisModelName	1.3.6.1.4.1.674.10892.1.300.10.1.9	DellString	chassisModelTypeName	1.3.6.1.4.1.674.10892.5.4.300.10.1.9	String64	Attribute was renamed in iDRAC7 MIB.
chassisAssetTagName	1.3.6.1.4.1.674.10892.1.300.10.1.10	DisplayString (SIZE (0..10))	chassisAssetTagName	1.3.6.1.4.1.674.10892.5.4.300.10.1.10	DisplayString (SIZE (0..10))	If the AssetTag is not available in iDRAC7, OMSA shows the value as 'Unknown' and then iDRAC shows an empty string.
chassisServiceTagName	1.3.6.1.4.1.674.10892.1.300.10.1.11	DisplayString (SIZE (0..7))	chassisServiceTagName	1.3.6.1.4.1.674.10892.5.4.300.10.1.11	DisplayString (SIZE (0..7))	
chassisID	1.3.6.1.4.1.674.10892.1.300.10.1.12	DellUnsigned8BitRange	chassisID	1.3.6.1.4.1.674.10892.5.4.300.10.1.12	Unsigned8BitRange	
chassisIDExtension	1.3.6.1.4.1.674.10892.1.300.10.1.13	DellUnsigned16BitRange	chassisIDExtension	1.3.6.1.4.1.674.10892.5.4.300.10.1.13	Unsigned16BitRange	
chassisSystemClass	1.3.6.1.4.1.674.10892.1.300.10.1.14	DellChassisSystemClass	chassisSystemClass	1.3.6.1.4.1.674.10892.5.4.300.10.1.14	ChassisSystemClassEnum	
chassisSystemName	1.3.6.1.4.1.674.10892.1.300.10.1.15	DellString	chassisSystemName	1.3.6.1.4.1.674.10892.5.4.300.10.1.15	String64	

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		**Group**	chassisInformationGroup		
Table	chassisInformationTable		**Table**	chassisInformationTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
chassisSystemBootDateName	1.3.6.1.4.1.674.10892.1.300.10.1.16	DellDateName	Not Available in iDRAC7			
chassisSystemDateName	1.3.6.1.4.1.674.10892.1.300.10.1.17	DellDateName	Not Available in iDRAC7			
chassisSystemLocationName	1.3.6.1.4.1.674.10892.1.300.10.1.18	DellString	Not Available in iDRAC7			
chassisSystemPrimaryUserName	1.3.6.1.4.1.674.10892.1.300.10.1.19	DellString	Not Available in iDRAC7			
chassisSystemUserPhoneNumberName	1.3.6.1.4.1.674.10892.1.300.10.1.20	DellString	Not Available in iDRAC7			
chassisConnectionStatusUnique	1.3.6.1.4.1.674.10892.1.300.10.1.21	DellConnectionStatus	Not Available in iDRAC7			
chassisFanControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.22	DellFanControlCapabilities	Not Available in iDRAC7			
chassisFanControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.23	DellFanControlSettings	Not Available in iDRAC7			
chassisLEDControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.24	DellLEDControlCapabilities	chassisLEDControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.24	LEDControlCapabilitiesFlags	
chassisLEDControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.25	DellLEDControlSettings	chassisLEDControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.25	LEDControlSettingsFlags	
chassisHDFaultClearControlCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.26	DellHDFaultLEDControlCapabilities	Not Available in iDRAC7			
chassisHDFaultClearControlSettings	1.3.6.1.4.1.674.10892.1.300.10.1.27	DellHDFaultLEDControlSettings	Not Available in iDRAC7			
chassisIdentifyFlashControlCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.28	DellChassisIdentifyControlCapabilities	chassisIdentifyFlashControlCapabilities	1.3.6.1.4.1.674.10892.5.4.300.10.1.28	ChassisIdentifyControlCapabilitiesFlags	
chassisIdentifyFlashControlSettings	1.3.6.1.4.1.674.10892.1.300.10.1.29	DellChassisIdentifyControlSettings	chassisIdentifyFlashControlSettings	1.3.6.1.4.1.674.10892.5.4.300.10.1.29	ChassisIdentifyControlSettingsFlags	
chassisLockPresent	1.3.6.1.4.1.674.10892.1.300.10.1.30	DellBoolean	chassisLockPresent	1.3.6.1.4.1.674.10892.5.4.300.10.1.30	BooleanType	

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		**Group**	chassisInformationGroup		
Table	chassisInformationTable		**Table**	chassisInformationTable		
Attribute Name	OID	Data Type	**Attribute Name**	OID	Data Type	
chassishostControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.31	DellHostControlCapabilities	chassishostControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.31	HostControlCapabilitiesFlags	
chassishostControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.32	DellHostControlSettings	chassishostControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.32	HostControlSettingsFlags	
chassiswatchDogControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.33	DellWatchDogControlCapabilities	chassiswatchDogControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.33	WatchDogControlCapabilitiesFlags	
chassiswatchDogControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.34	DellWatchControlSettings	chassiswatchDogControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.34	WatchControlSettingsFlags	
chassiswatchDogControlExpiryTimeCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.35	DellWatchDogTimerCapabilities	chassiswatchDogControlExpiryTimeCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.35	WatchDogTimerCapabilitiesFlags	
chassiswatchDogControlExpiryTime	1.3.6.1.4.1.674.10892.1.300.10.1.36	DellUnsigned16BitRange	chassiswatchDogControlExpiryTime	1.3.6.1.4.1.674.10892.5.4.300.10.1.36	Unsigned16BitRange	
chassisallowSETCommandsfromSNMP	1.3.6.1.4.1.674.10892.1.300.10.1.37	DellBoolean	Not Available in iDRAC7			
chassisPowerButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.38	DellPowerButtonControlCapabilities	chassisPowerButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.38	PowerButtonControlCapabilitiesFlags	
chassisPowerButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.39	DellPowerButtonControlSettings	chassisPowerButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.39	PowerButtonControlSettingsFlags	
chassisResellerName	1.3.6.1.4.1.674.10892.1.300.10.1.40	DisplayString (SIZE (0..128))	Not Available in iDRAC7			
chassisResellerContactInformationName	1.3.6.1.4.1.674.10892.1.300.10.1.41	DisplayString (SIZE (0..128))	Not Available in iDRAC7			
chassisResellerProductName	1.3.6.1.4.1.674.10892.1.300.10.1.42	DisplayString (SIZE (0..128))	Not Available in iDRAC7			
chassisResellerSystemID	1.3.6.1.4.1.674.10892.1.300.10.1.43	DellUnsigned16BitRange	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	**chassisInformationGroup**		**Group**	**chassisInformationGroup**		
Table	**chassisInformationTable**		**Table**	**chassisInformationTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
chassisNMIButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.44	DellNMIButtonControlCapabilities	chassisNMIButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.44	NMIButtonControlCapabilitiesFlags	
chassisNMIButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.45	DellNMIButtonControlSettings	chassisNMIButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.45	NMIButtonControlSettingsFlags	
chassisSystemProperties	1.3.6.1.4.1.674.10892.1.300.10.1.46	DellSystemProperties	chassisSystemProperties	1.3.6.1.4.1.674.10892.5.4.300.10.1.46	SystemPropertiesFlags	
chassisSystemRevisionNumber	1.3.6.1.4.1.674.10892.1.300.10.1.47	DellUnsigned8BitRange	chassisSystemRevisionNumber	1.3.6.1.4.1.674.10892.5.4.300.10.1.47	Unsigned8BitRange	
chassisSystemRevisionName	1.3.6.1.4.1.674.10892.1.300.10.1.48	DellString	chassisSystemRevisionName	1.3.6.1.4.1.674.10892.5.4.300.10.1.48	String64	
chassisExpressServiceCodeName	1.3.6.1.4.1.674.10892.1.300.10.1.49	DellString	chassisExpressServiceCodeName	1.3.6.1.4.1.674.10892.5.4.300.10.1.49	String64	

Table 6.   chassisInformationGroup/eventLogTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	eventLogTable		Table	eventLogTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
eventLogchassisIndex	1.3.6.1.4.1.674.10892.1.300.40.1.1	DellObjectRange	eventLogchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.40.1.1	ObjectRange	
eventLogRecordIndex	1.3.6.1.4.1.674.10892.1.300.40.1.2	DellUnsigned32BitRange,	eventLogRecordIndex	1.3.6.1.4.1.674.10892.5.4.300.40.1.2	Unsigned32BitRange	
eventLogStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.40.1.3	DellStateCapabilitiesLogUnique,	eventLogStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.40.1.3	StateCapabilitiesLogUniqueFlags	
eventLogStateSettingsUnique	1.3.6.1.4.1.674.10892.1.300.40.1.4	DellStateSettingsLogUnique,	eventLogStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.40.1.4	StateSettingsLogUniqueFlags	
eventLogRecord	1.3.6.1.4.1.674.10892.1.300.40.1.5	DisplayString (SIZE (0..1024)),	eventLogRecord	1.3.6.1.4.1.674.10892.5.4.300.40.1.5	DisplayString (SIZE (0..1024)),	
eventLogFormat	1.3.6.1.4.1.674.10892.1.300.40.1.6	DellLogFormat,	eventLogFormat	1.3.6.1.4.1.674.10892.5.4.300.40.1.6	LogFormatType	
eventLogSeverityStatus	1.3.6.1.4.1.674.10892.1.300.40.1.7	DellStatus	eventLogSeverityStatus	1.3.6.1.4.1.674.10892.5.4.300.40.1.7	ObjectStatusEnum	
eventLogDateName	1.3.6.1.4.1.674.10892.1.300.40.1.8	DellDateName	eventLogDateName	1.3.6.1.4.1.674.10892.5.4.300.40.1.8	DateName	Differences may be seen between iDRAC7 and OMSA values because of time zone differences

Table 7.   chassisInformationGroup/systemBIOSTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	systemBIOSTable		Table	systemBIOSTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemBIOSchassisIndex	1.3.6.1.4.1.674.10892.1.300.50.1.1	DellObjectRange	systemBIOSchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.50.1.1	ObjectRange	
systemBIOSIndex	1.3.6.1.4.1.674.10892.1.300.50.1.2	DellObjectRange	systemBIOSIndex	1.3.6.1.4.1.674.10892.5.4.300.50.1.2	ObjectRange	
systemBIOSStateCapabilities	1.3.6.1.4.1.674.10892.1.300.50.1.3	DellStateCapabilities	systemBIOSStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.50.1.3	StateCapabilitiesFlags	
systemBIOSStateSettings	1.3.6.1.4.1.674.10892.1.300.50.1.4	DellStateSettings	systemBIOSStateSettings	1.3.6.1.4.1.674.10892.5.4.300.50.1.4	StateSettingsFlags	
systemBIOSStatus	1.3.6.1.4.1.674.10892.1.300.50.1.5	DellStatus	systemBIOSStatus	1.3.6.1.4.1.674.10892.5.4.300.50.1.5	ObjectStatusEnum	
systemBIOSSize	1.3.6.1.4.1.674.10892.1.300.50.1.6	DellUnsigned32BitRange	Not Available in iDRAC7			
systemBIOSReleaseDateName	1.3.6.1.4.1.674.10892.1.300.50.1.7	DellDateName	systemBIOSReleaseDateName	1.3.6.1.4.1.674.10892.5.4.300.50.1.7	DateName	For this attribute, the iDRAC date format is: Month/Day/Year.
systemBIOSVersionName	1.3.6.1.4.1.674.10892.1.300.50.1.8	DellString	systemBIOSVersionName	1.3.6.1.4.1.674.10892.5.4.300.50.1.8	String64	
systemBIOSStartingAddress	1.3.6.1.4.1.674.10892.1.300.50.1.9	DellUnsigned64BitRange	Not Available in iDRAC7			
systemBIOSEndingAddress	1.3.6.1.4.1.674.10892.1.300.50.1.10	DellUnsigned64BitRange	Not Available in iDRAC7			
systemBIOSManufacturerName	1.3.6.1.4.1.674.10892.1.300.50.1.11	DellString	systemBIOSManufacturerName	1.3.6.1.4.1.674.10892.5.4.300.50.1.11	String64	
systemBIOSCharacteristics	1.3.6.1.4.1.674.10892.1.300.50.1.12	DellUnsigned64BitRange	Not Available in iDRAC7			
systemBIOSCharacteristicsExt1	1.3.6.1.4.1.674.10892.1.300.50.1.13	DellUnsigned8BitRange	Not Available in iDRAC7			
systemBIOSCharacteristicsExt2	1.3.6.1.4.1.674.10892.1.300.50.1.14	DellUnsigned8BitRange	Not Available in iDRAC7			

Table 8.   chassisInformationGroup/firmwareTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		**Group**	chassisInformationGroup		
Table	firmwareTable		**Table**	firmwareTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
firmwarechassisIndex	1.3.6.1.4.1.674.10892.1.300.60.1.1	DellObjectRange	firmwarechassisIndex	1.3.6.1.4.1.674.10892.5.4.300.60.1.1	ObjectRange	
firmwareIndex	1.3.6.1.4.1.674.10892.1.300.60.1.2	DellObjectRange	firmwareIndex	1.3.6.1.4.1.674.10892.5.4.300.60.1.2	ObjectRange	
firmwareStateCapabilities	1.3.6.1.4.1.674.10892.1.300.60.1.3	DellStateCapabilities	firmwareStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.60.1.3	StateCapabilitiesFlags	
firmwareStateSettings	1.3.6.1.4.1.674.10892.1.300.60.1.4	DellStateSettings	firmwareStateSettings	1.3.6.1.4.1.674.10892.5.4.300.60.1.4	StateSettingsFlags	
firmwareStatus	1.3.6.1.4.1.674.10892.1.300.60.1.5	DellStatus	firmwareStatus	1.3.6.1.4.1.674.10892.5.4.300.60.1.5	ObjectStatusEnum	
firmwareSize	1.3.6.1.4.1.674.10892.1.300.60.1.6	DellUnsigned16BitRange	firmwareSize	1.3.6.1.4.1.674.10892.5.4.300.60.1.6	Unsigned16BitRange	
firmwareType	1.3.6.1.4.1.674.10892.1.300.60.1.7	DellFirmwareType	firmwareType	1.3.6.1.4.1.674.10892.5.4.300.60.1.7	FirmwareType	
firmwareTypeName	1.3.6.1.4.1.674.10892.1.300.60.1.8	DellString	firmwareTypeName	1.3.6.1.4.1.674.10892.5.4.300.60.1.8	String64	
firmwareUpdateCapabilities	1.3.6.1.4.1.674.10892.1.300.60.1.9	DellUnsigned16BitRange	firmwareUpdateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.60.1.9	Unsigned16BitRange	
firmwareDateName	1.3.6.1.4.1.674.10892.1.300.60.1.10	OCTET STRING (SIZE(8))	Not Available in iDRAC7			
firmwareVersionName	1.3.6.1.4.1.674.10892.1.300.60.1.11	DellString	firmwareVersionName	1.3.6.1.4.1.674.10892.5.4.300.60.1.11	String64	

Table 9. chassisInformationGroup/intrusionTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	intrusionTable		Table	intrusionTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
intrusionchassisIndex	1.3.6.1.4.1.674.10892.1.300.70.1.1	DellObjectRange	intrusionchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.70.1.1	ObjectRange	
intrusionIndex	1.3.6.1.4.1.674.10892.1.300.70.1.2	DellObjectRange	intrusionIndex	1.3.6.1.4.1.674.10892.5.4.300.70.1.2	ObjectRange	
intrusionStateCapabilities	1.3.6.1.4.1.674.10892.1.300.70.1.3	DellStateCapabilities	intrusionStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.70.1.3	StateCapabilitiesFlags	
intrusionStateSettings	1.3.6.1.4.1.674.10892.1.300.70.1.4	DellStateSettings	intrusionStateSettings	1.3.6.1.4.1.674.10892.5.4.300.70.1.4	StateSettingsFlags	
intrusionStatus	1.3.6.1.4.1.674.10892.1.300.70.1.5	DellStatus	intrusionStatus	1.3.6.1.4.1.674.10892.5.4.300.70.1.5	ObjectStatusEnum	
intrusionReading	1.3.6.1.4.1.674.10892.1.300.70.1.6	DellIntrusionReading	intrusionReading	1.3.6.1.4.1.674.10892.5.4.300.70.1.6	IntrusionReadingEnum	
intrusionType	1.3.6.1.4.1.674.10892.1.300.70.1.7	DellIntrusionType	intrusionType	1.3.6.1.4.1.674.10892.5.4.300.70.1.7	IntrusionTypeEnum	
intrusionLocationName	1.3.6.1.4.1.674.10892.1.300.70.1.8	DellString	intrusionLocationName	1.3.6.1.4.1.674.10892.5.4.300.70.1.8	String64	

Table 10. iDRAC7 chassisInformationGroup/icLogTable

OMSA			iDRAC7			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Not Available in OMSA			Table	lcLogTable		New table in iDRAC7.
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
			lcLogChassisIndex	1.3.6.1.4.1.674.10892.5.4.300.90.1.1	ObjectRange	
			lcLogRecordIndex	1.3.6.1.4.1.674.10892.5.4.300.90.1.2	Unsigned32BitRange	
			lcLogSequenceNumber	1.3.6.1.4.1.674.10892.5.4.300.90.1.3	Unsigned32BitRange	
			lcLogCategory	1.3.6.1.4.1.674.10892.5.4.300.90.1.4	LcLogCategoryEnum	
			lcLogSeverityStatus	1.3.6.1.4.1.674.10892.5.4.300.90.1.5	ObjectStatusEnum	
			lcLogDateName	1.3.6.1.4.1.674.10892.5.4.300.90.1.6	DateName	
			lcLogFQDD	1.3.6.1.4.1.674.10892.5.4.300.90.1.7	FQDDString	
			lcLogMessageID	1.3.6.1.4.1.674.10892.5.4.300.90.1.8	DisplayString (SIZE (0..8))	
			lcLogMessage	1.3.6.1.4.1.674.10892.5.4.300.90.1.9	DisplayString (SIZE (0..512))	
			lcLogDetailedDescription	1.3.6.1.4.1.674.10892.5.4.300.90.1.10	DisplayString (SIZE (0..2048))	
			lcLogRecommededAction	1.3.6.1.4.1.674.10892.5.4.300.90.1.11	DisplayString (SIZE (0..2048))	
			lcLogComment	1.3.6.1.4.1.674.10892.5.4.300.90.1.12	DisplayString (SIZE (0..128))	

Table 11.   powerGroup/powerUnit Table

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUnitTable		Table	powerUnitTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUnitchassisIndex	1.3.6.1.4.1.674.10892.1.600.10.1.1	DellObjectRange	powerUnitchassisIndex	1.3.6.1.4.1.674.10892.5.4.600.10.1.1	ObjectRange	
powerUnitIndex	1.3.6.1.4.1.674.10892.1.600.10.1.2	DellObjectRange	powerUnitIndex	1.3.6.1.4.1.674.10892.5.4.600.10.1.2	ObjectRange	
powerUnitStateCapabilities	1.3.6.1.4.1.674.10892.1.600.10.1.3	DellStateCapabilities	powerUnitStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.10.1.3	StateCapabilitiesFlags	
powerUnitStateSettings	1.3.6.1.4.1.674.10892.1.600.10.1.4	DellStateSettings	powerUnitStateSettings	1.3.6.1.4.1.674.10892.5.4.600.10.1.4	StateSettingsFlags	
powerUnitRedundancyStatus	1.3.6.1.4.1.674.10892.1.600.10.1.5	DellStatusRedundancy	powerUnitRedundancyStatus	1.3.6.1.4.1.674.10892.5.4.600.10.1.5	StatusRedundancyEnum	
powerSupplyCountForRedundancy	1.3.6.1.4.1.674.10892.1.600.10.1.6	DellObjectRange	powerSupplyCountForRedundancy	1.3.6.1.4.1.674.10892.5.4.600.10.1.6	ObjectRange	
powerUnitName	1.3.6.1.4.1.674.10892.1.600.10.1.7	DellStrin	powerUnitName	1.3.6.1.4.1.674.10892.5.4.600.10.1.7	String64	
powerUnitStatus	1.3.6.1.4.1.674.10892.1.600.10.1.8	DellStatus	powerUnitStatus	1.3.6.1.4.1.674.10892.5.4.600.10.1.8	ObjectStatusEnum	

Table 12.   powerGroup/powerSupplyTable

OMSA			iDRAC7			Comments
Group	powerGroup		**Group**	powerGroup		
Table	powerSupplyTable		**Table**	powerSupplyTable		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
powerSupplychassisIndex	1.3.6.1.4.1.674.10892.1.600.12.1.1	DellObjectRange	powerSupplychassisIndex	1.3.6.1.4.1.674.10892.5.4.600.12.1.1	ObjectRange	
powerSupplyIndex	1.3.6.1.4.1.674.10892.1.600.12.1.2	DellObjectRange	powerSupplyIndex	1.3.6.1.4.1.674.10892.5.4.600.12.1.2	ObjectRange	
powerSupplyStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.600.12.1.3	DellPowerSupplyStateCapabilitiesUnique	powerSupplyStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.600.12.1.3	PowerSupplyStateCapabilitiesUniqueFlags	
powerSupplyStateSettingsUnique	1.3.6.1.4.1.674.10892.1.600.12.1.4	DellPowerSupplyStateSettingsUnique	powerSupplyStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.600.12.1.4	PowerSupplyStateSettingsUniqueFlags	
powerSupplyStatus	1.3.6.1.4.1.674.10892.1.600.12.1.5	DellStatus	powerSupplyStatus	1.3.6.1.4.1.674.10892.5.4.600.12.1.5	ObjectStatusEnum	
powerSupplyOutputWatts	1.3.6.1.4.1.674.10892.1.600.12.1.6	DellSigned32BitRange	powerSupplyOutputWatts	1.3.6.1.4.1.674.10892.5.4.600.12.1.6	Signed32BitRange	
powerSupplyType	1.3.6.1.4.1.674.10892.1.600.12.1.7	DellPowerSupplyType	powerSupplyType	1.3.6.1.4.1.674.10892.5.4.600.12.1.7	PowerSupplyTypeEnum	
powerSupplyLocationName	1.3.6.1.4.1.674.10892.1.600.12.1.8	DellString	powerSupplyLocationName	1.3.6.1.4.1.674.10892.5.4.600.12.1.8	String64	
powerSupplyInputVoltage	1.3.6.1.4.1.674.10892.1.600.12.1.9	DellSigned32BitRange	powerSupplyInputVoltage	1.3.6.1.4.1.674.10892.5.4.600.12.1.9	Signed32BitRange	
powerSupplypowerUnitIndexReference	1.3.6.1.4.1.674.10892.1.600.12.1.10	DellObjectRange	powerSupplypowerUnitIndexReference	1.3.6.1.4.1.674.10892.5.4.600.12.1.10	ObjectRange	
powerSupplySensorState	1.3.6.1.4.1.674.10892.1.600.12.1.11	DellPowerSupplySensorState	powerSupplySensorState	1.3.6.1.4.1.674.10892.5.4.600.12.1.11	PowerSupplySensorStateFlags	
powerSupplyConfi	1.3.6.1.4.1.674.10892.1.600.12.1	DellPowerSup	powerSupplyConfigu	1.3.6.1.4.1.674.10892.5.4.6	PowerSupplyConfigura	

OMSA			iDRAC7			Comments
Group	**powerGroup**		**Group**	**powerGroup**		
Table	**powerSupplyTable**		**Table**	**powerSupplyTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
gurationErrorType	.12	plyConfigurationErrorType	rationErrorType	00.12.1.12	tionErrorTypeEnum	
powerSupplyPowerMonitorCapable	1.3.6.1.4.1.674.10892.1.600.12.1.13	DellBoolean	powerSupplyPowerMonitorCapable	1.3.6.1.4.1.674.10892.5.4.600.12.1.13	BooleanType	
powerSupplyRatedInputWattage	1.3.6.1.4.1.674.10892.1.600.12.1.14	DellSigned32BitRange	powerSupplyRatedInputWattage	1.3.6.1.4.1.674.10892.5.4.600.12.1.14	Signed32BitRange	
Not Available in OMSA			powerSupplyFQDD	1.3.6.1.4.1.674.10892.5.4.600.12.1.15	FQDDString	

Table 13.   powerGroup/voltageProbeTable

OMSA			iDRAC7			Comments
Group	**powerGroup**		**Group**	**powerGroup**		
Table	**voltageProbeTable**		**Table**	**voltageProbeTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
voltageProbechassisIndex	1.3.6.1.4.1.674.10892.1.600.20.1.1	DellObjectRange	voltageProbechassisIndex	1.3.6.1.4.1.674.10892.5.4.600.20.1.1	ObjectRange	
voltageProbeIndex	1.3.6.1.4.1.674.10892.1.600.20.1.2	DellObjectRange	voltageProbeIndex	1.3.6.1.4.1.674.10892.5.4.600.20.1.2	ObjectRange	
voltageProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.600.20.1.3	DellStateCapabilities	voltageProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.20.1.3	StateCapabilitiesFlags	
voltageProbeStateSettings	1.3.6.1.4.1.674.10892.1.600.20.1.4	DellStateSettings	voltageProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.600.20.1.4	StateSettingsFlags	
voltageProbeStatus	1.3.6.1.4.1.674.10892.1.600.20.1.5	DellStatusProbe	voltageProbeStatus	1.3.6.1.4.1.674.10892.5.4.600.20.1.5	StatusProbeEnum	

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	voltageProbeTable		Table	voltageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
voltageProbeReading	1.3.6.1.4.1.674.10892.1.600.20.1.6	DellSigned32BitRange	voltageProbeReading	1.3.6.1.4.1.674.10892.5.4.600.20.1.6	Signed32BitRange	(Data is: AC input volts) Differences may be seen between iDRAC7 & OMSA because in OMSA, data is cached, while in iDRAC7, it is not cached
voltageProbeType	1.3.6.1.4.1.674.10892.1.600.20.1.7	DellVoltageType	voltageProbeType	1.3.6.1.4.1.674.10892.5.4.600.20.1.7	VoltageTypeEnum	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
voltageProbeLocationName	1.3.6.1.4.1.674.10892.1.600.20.1.8	DellString	voltageProbeLocationName	1.3.6.1.4.1.674.10892.5.4.600.20.1.8	String64	
voltageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.9	DellSigned32BitRange	voltageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.9	Signed32BitRange	
voltageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.10	DellSigned32BitRange	voltageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.10	Signed32BitRange	
voltageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.11	DellSigned32BitRange	voltageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.11	Signed32BitRange	
voltageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.12	DellSigned32BitRange	voltageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.12	Signed32BitRange	
voltageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.13	DellSigned32BitRange	voltageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.13	Signed32BitRange	
voltageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.14	DellSigned32BitRange	voltageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.14	Signed32BitRange	

OMSA			iDRAC7			Comments
Group	**powerGroup**		**Group**	**powerGroup**		
Table	**voltageProbeTable**		**Table**	**voltageProbeTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
voltageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.600.20.1.15	DellProbeCapabilities	voltageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.600.20.1.15	ProbeCapabilitiesFlags	
voltageProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.600.20.1.16	DellVoltageDiscreteReading	voltageProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.600.20.1.16	VoltageDiscreteReadingEnum	

Table 14.   powerGroup/amperageProbeTable

OMSA			iDRAC7			Comments
Group	**powerGroup**		**Group**	**powerGroup**		
Table	**amperageProbeTable**		**Table**	**amperageProbeTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
amperageProbechassisIndex	1.3.6.1.4.1.674.10892.1.600.30.1.1	DellObjectRange	amperageProbechassisIndex	1.3.6.1.4.1.674.10892.5.4.600.30.1.1	ObjectRange	
amperageProbeIndex	1.3.6.1.4.1.674.10892.1.600.30.1.2	DellObjectRange	amperageProbeIndex	1.3.6.1.4.1.674.10892.5.4.600.30.1.2	ObjectRange	
amperageProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.600.30.1.3	DellStateCapabilities	amperageProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.30.1.3	StateCapabilitiesFlags	
amperageProbeStateSettings	1.3.6.1.4.1.674.10892.1.600.30.1.4	DellStateSettings	amperageProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.600.30.1.4	StateSettingsFlags	
amperageProbeStatus	1.3.6.1.4.1.674.10892.1.600.30.1.5	DellStatusProbe	amperageProbeStatus	1.3.6.1.4.1.674.10892.5.4.600.30.1.5	StatusProbeEnum	
amperageProbeReading	1.3.6.1.4.1.674.10892.1.600.30.1.6	DellSigned32BitRange	amperageProbeReading	1.3.6.1.4.1.674.10892.5.4.600.30.1.6	Signed32BitRange	
amperageProbeType	1.3.6.1.4.1.674.10892.1.600.30.1.7	DellAmperageProbeType	amperageProbeType	1.3.6.1.4.1.674.10892.5.4.600.30.1.7	AmperageProbeTypeEnum	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	amperageProbeTable		Table	amperageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
						the iDRAC7 firmware and the OMSA application
amperageProbeLocationName	1.3.6.1.4.1.674.10892.1.600.30.1.8	DellString	amperageProbeLocationName	1.3.6.1.4.1.674.10892.5.4.600.30.1.8	String64	
amperageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.9	DellSigned32BitRange	amperageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.9	Signed32BitRange	
amperageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.10	DellSigned32BitRange	amperageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.10	Signed32BitRange	
amperageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.11	DellSigned32BitRange	amperageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.11	Signed32BitRange	
amperageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.12	DellSigned32BitRange	amperageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.12	Signed32BitRange	
amperageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.13	DellSigned32BitRange	amperageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.13	Signed32BitRange	
amperageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.14	DellSigned32BitRange	amperageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.600.30.1.14	Signed32BitRange	
amperageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.600.30.1.15	DellProbeCapabilities	amperageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.600.30.1.15	ProbeCapabilitiesFlags	
amperageProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.600.30.1.16	DellAmperageDiscreteReading	amperageProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.600.30.1.16	AmperageDiscreteReadingEnum	

Table 15.   OMSA powerGroup batteryTable and iDRAC7 powerGroup systemBatteryTable

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	batteryTable		Table	systemBatteryTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
batteryChassisIndex	1.3.6.1.4.1.674.10892.1.600.50.1.1	DellObjectRange	systemBatteryChassisIndex	1.3.6.1.4.1.674.10892.5.4.600.50.1.1	ObjectRange	
batteryIndex	1.3.6.1.4.1.674.10892.1.600.50.1.2	DellObjectRange	systemBatteryIndex	1.3.6.1.4.1.674.10892.5.4.600.50.1.2	ObjectRange	
batteryStateCapabilities	1.3.6.1.4.1.674.10892.1.600.50.1.3	DellStateCapabilities	systemBatteryStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.50.1.3	StateCapabilitiesFlags	
batteryStateSettings	1.3.6.1.4.1.674.10892.1.600.50.1.4	DellStateSettings	systemBatteryStateSettings	1.3.6.1.4.1.674.10892.5.4.600.50.1.4	StateSettingsFlags	
batteryStatus	1.3.6.1.4.1.674.10892.1.600.50.1.5	DellStatus	systemBatteryStatus	1.3.6.1.4.1.674.10892.5.4.600.50.1.5	ObjectStatusEnum	
batteryReading	1.3.6.1.4.1.674.10892.1.600.50.1.6	DellBatteryReading	systemBatteryReading	1.3.6.1.4.1.674.10892.5.4.600.50.1.6	SystemBatteryReadingFlags	
batteryLocationName	1.3.6.1.4.1.674.10892.1.600.50.1.7	DellString	systemBatteryLocationName	1.3.6.1.4.1.674.10892.5.4.600.50.1.7	String64	

Table 16.   powerGroup/powerUsageTable

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUsageChassisIndex	1.3.6.1.4.1.674.10892.1.600.60.1.1	DellObjectRange	powerUsageChassisIndex	1.3.6.1.4.1.674.10892.5.4.600.60.1.1	ObjectRange	
powerUsageIndex	1.3.6.1.4.1.674.10892.1.600.60.1.2	DellObjectRange	powerUsageIndex	1.3.6.1.4.1.674.10892.5.4.600.60.1.2	ObjectRange	
powerUsageState	1.3.6.1.4.1.674.10892.1.600.60.1	DellStateCapa	powerUsageStateCa	1.3.6.1.4.1.674.10892.5.4.6	StateCapabilitiesFlags	

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
Capabilities	.3	bilities	pabilities	00.60.1.3		
powerUsageStateSettings	1.3.6.1.4.1.674.10892.1.600.60.1.4	DellStateSettings	powerUsageStateSettings	1.3.6.1.4.1.674.10892.5.4.600.60.1.4	StateSettingsFlags	
powerUsageStatus	1.3.6.1.4.1.674.10892.1.600.60.1.5	DellStatus	powerUsageStatus	1.3.6.1.4.1.674.10892.5.4.600.60.1.5	ObjectStatusEnum	
powerUsageEntityName	1.3.6.1.4.1.674.10892.1.600.60.1.6	DellString	powerUsageEntityName	1.3.6.1.4.1.674.10892.5.4.600.60.1.6	String64	
powerUsageCumulativeWattage	1.3.6.1.4.1.674.10892.1.600.60.1.7	DellUnsigned32BitRange	powerUsageCumulativeWattage	1.3.6.1.4.1.674.10892.5.4.600.60.1.7	Unsigned32BitRange	Differences may be seen between iDRAC7 and OMSA values because in OMSA the data is cached, while in iDRAC7 it is not cached
powerUsageCumulativeWattageStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.8	DellDateName,	powerUsageCumulativeWattageStartDateName	1.3.6.1.4.1.674.10892.5.4.600.60.1.8	DateName	Difference may be seen between iDRAC7 and OMSA values because of time zone differences
powerUsagePeakWatts	1.3.6.1.4.1.674.10892.1.600.60.1.9	DellUnsigned32BitRange,	powerUsagePeakWatts	1.3.6.1.4.1.674.10892.5.4.600.60.1.9	Unsigned32BitRange	
powerUsagePeakWattsStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.10	DellDateName,	powerUsagePeakWattsStartDateName	1.3.6.1.4.1.674.10892.5.4.600.60.1.10	DateName	Difference may be seen between iDRAC7 and OMSA values because of time zone differences
powerUsagePeakWattsReadingDateName	1.3.6.1.4.1.674.10892.1.600.60.1.11	DellDateName,	powerUsagePeakWattsReadingDateName	1.3.6.1.4.1.674.10892.5.4.600.60.1.11	DateName	Difference may be seen between iDRAC7 and OMSA values because of time zone differences
powerUsagePeakAmps	1.3.6.1.4.1.674.10892.1.600.60.1.12	DellUnsigned32BitRange,	powerUsagePeakAmps	1.3.6.1.4.1.674.10892.5.4.600.60.1.12	Unsigned32BitRange	
powerUsagePeakAmpsStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.13	DellDateName,	powerUsagePeakAmpsStartDateName	1.3.6.1.4.1.674.10892.5.4.600.60.1.13	DateName	Difference may be seen between iDRAC7 and OMSA values

OMSA			iDRAC7			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
						because of time zone differences
powerUsagePeakAmpsReadingDateName	1.3.6.1.4.1.674.10892.1.600.60.1.14	DellDateName,	powerUsagePeakAmpsReadingDateName	1.3.6.1.4.1.674.10892.5.4.600.60.1.14	DateName	Difference may be seen between iDRAC7 and OMSA values because of time zone differences
powerUsageIdlePower	1.3.6.1.4.1.674.10892.1.600.60.1.15	DellUnsigned32BitRange,	powerUsageIdlePower	1.3.6.1.4.1.674.10892.5.4.600.60.1.15	Unsigned32BitRange	
powerUsageMaxPotentialPower	1.3.6.1.4.1.674.10892.1.600.60.1.16	DellUnsigned32BitRange,	powerUsageMaxPotentialPower	1.3.6.1.4.1.674.10892.5.4.600.60.1.16	Unsigned32BitRange	
powerUsagePowerCapCapabilities	1.3.6.1.4.1.674.10892.1.600.60.1.17	DellPowerCapCapabilities,	powerUsagePowerCapCapabilities	1.3.6.1.4.1.674.10892.5.4.600.60.1.17	PowerCapCapabilitiesFlags	
powerUsagePowerCapSetting	1.3.6.1.4.1.674.10892.1.600.60.1.18	DellPowerCapSetting,	powerUsagePowerCapSetting	1.3.6.1.4.1.674.10892.5.4.600.60.1.18	PowerCapSettingEnum	
powerUsagePowerCapValue	1.3.6.1.4.1.674.10892.1.600.60.1.19	DellUnsigned32BitRange,	powerUsagePowerCapValue	1.3.6.1.4.1.674.10892.5.4.600.60.1.19	Unsigned32BitRange	
powerUsageInstantaneousHeadroom	1.3.6.1.4.1.674.10892.1.600.60.1.20	DellUnsigned32BitRange,	powerUsageInstantaneousHeadroom	1.3.6.1.4.1.674.10892.5.4.600.60.1.20	Unsigned32BitRange	Differences may be seen between iDRAC7 and OMSA because in OMSA, data is cached, while in iDRAC7, it is not cached
powerUsagePeakHeadroom	1.3.6.1.4.1.674.10892.1.600.60.1.21	DellUnsigned32BitRange	powerUsagePeakHeadroom	1.3.6.1.4.1.674.10892.5.4.600.60.1.21	Unsigned32BitRange	

Table 17.   thermalGroup/coolingUnitTable

OMSA			iDRAC7			Comments
Group	**thermalGroup**		**Group**	**thermalGroup**		
Table	**coolingUnitTable**		**Table**	**coolingUnitTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
coolingUnitchassisIndex	1.3.6.1.4.1.674.10892.1.700.10.1.1	DellObjectRange	coolingUnitchassisIndex	1.3.6.1.4.1.674.10892.5.4.700.10.1.1	ObjectRange	
coolingUnitIndex	1.3.6.1.4.1.674.10892.1.700.10.1.2	DellObjectRange	coolingUnitIndex	1.3.6.1.4.1.674.10892.5.4.700.10.1.2	ObjectRange	
coolingUnitStateCapabilties	1.3.6.1.4.1.674.10892.1.700.10.1.3	DellStateCapabilities	coolingUnitStateCapabilties	1.3.6.1.4.1.674.10892.5.4.700.10.1.3	StateCapabilitiesFlags	
coolingUnitStateSettings	1.3.6.1.4.1.674.10892.1.700.10.1.4	DellStateSettings	coolingUnitStateSettings	1.3.6.1.4.1.674.10892.5.4.700.10.1.4	StateSettingsFlags	
coolingUnitRedundancyStatus	1.3.6.1.4.1.674.10892.1.700.10.1.5	DellStatusRedundancy	coolingUnitRedundancyStatus	1.3.6.1.4.1.674.10892.5.4.700.10.1.5	StatusRedundancyEnum	
coolingDeviceCountForRedundancy	1.3.6.1.4.1.674.10892.1.700.10.1.6	DellObjectRange	coolingDeviceCountForRedundancy	1.3.6.1.4.1.674.10892.5.4.700.10.1.6	ObjectRange	
coolingUnitName	1.3.6.1.4.1.674.10892.1.700.10.1.7	DellString	coolingUnitName	1.3.6.1.4.1.674.10892.5.4.700.10.1.7	String64	
coolingUnitStatus	1.3.6.1.4.1.674.10892.1.700.10.1.8	DellStatus	coolingUnitStatus	1.3.6.1.4.1.674.10892.5.4.700.10.1.8	ObjectStatusEnum	

Table 18.   thermalGroup coolingDeviceTable

OMSA			iDRAC7			Comments
Group	thermalGroup		Group	thermalGroup		
Table	coolingDeviceTable		Table	coolingDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
coolingDevicechassisIndex	1.3.6.1.4.1.674.10892.1.700.12.1.1	DellObjectRange	coolingDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.700.12.1.1	ObjectRange	
coolingDeviceIndex	1.3.6.1.4.1.674.10892.1.700.12.1.2	DellObjectRange	coolingDeviceIndex	1.3.6.1.4.1.674.10892.5.4.700.12.1.2	ObjectRange	
coolingDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.700.12.1.3	DellStateCapabilities	coolingDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.700.12.1.3	StateCapabilitiesFlags	
coolingDeviceStateSettings	1.3.6.1.4.1.674.10892.1.700.12.1.4	DellStateSettings	coolingDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.700.12.1.4	StateSettingsFlags	
coolingDeviceStatus	1.3.6.1.4.1.674.10892.1.700.12.1.5	DellStatusProbe	coolingDeviceStatus	1.3.6.1.4.1.674.10892.5.4.700.12.1.5	StatusProbeEnum	
coolingDeviceReading	1.3.6.1.4.1.674.10892.1.700.12.1.6	DellSigned32BitRange	coolingDeviceReading	1.3.6.1.4.1.674.10892.5.4.700.12.1.6	Signed32BitRange	This is fan speed in RPM. Values may not match exactly with OMSA, but they are relatively the same in iDRAC7.
coolingDeviceType	1.3.6.1.4.1.674.10892.1.700.12.1.7	DellCoolingDeviceType	coolingDeviceType	1.3.6.1.4.1.674.10892.5.4.700.12.1.7	CoolingDeviceTypeEnum	
coolingDeviceLocationName	1.3.6.1.4.1.674.10892.1.700.12.1.8	DellString	coolingDeviceLocationName	1.3.6.1.4.1.674.10892.5.4.700.12.1.8	String64	
coolingDeviceUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.9	DellSigned32BitRange	coolingDeviceUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.9	Signed32BitRange	
coolingDeviceUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.10	DellSigned32BitRange	coolingDeviceUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.10	Signed32BitRange	
coolingDeviceUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.11	DellSigned32BitRange	coolingDeviceUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.11	Signed32BitRange	

OMSA			iDRAC7			Comments
Group	thermalGroup		Group	thermalGroup		
Table	coolingDeviceTable		Table	coolingDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
coolingDeviceLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.12	DellSigned32BitRange	coolingDeviceLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.12	Signed32BitRange	
coolingDeviceLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.13	DellSigned32BitRange	coolingDeviceLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.13	Signed32BitRange	
coolingDeviceLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.12.1.14	DellSigned32BitRange	coolingDeviceLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.14	Signed32BitRange	
coolingDevicecoolingUnitIndexReference	1.3.6.1.4.1.674.10892.1.700.12.1.15	DellObjectRange	coolingDevicecoolingUnitIndexReference	1.3.6.1.4.1.674.10892.5.4.700.12.1.15	ObjectRange	
coolingDeviceSubType	1.3.6.1.4.1.674.10892.1.700.12.1.16	DellCoolingDeviceSubType	coolingDeviceSubType	1.3.6.1.4.1.674.10892.5.4.700.12.1.16	CoolingDeviceSubTypeEnum	
coolingDeviceProbeCapabilities	1.3.6.1.4.1.674.10892.1.700.12.1.17	DellProbeCapabilities	coolingDeviceProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.700.12.1.17	ProbeCapabilitiesFlags	
coolingDeviceDiscreteReading	1.3.6.1.4.1.674.10892.1.700.12.1.18	DellCoolingDeviceDiscreteReading	coolingDeviceDiscreteReading	1.3.6.1.4.1.674.10892.5.4.700.12.1.18	CoolingDeviceDiscreteReadingEnum	
Not Available in OMSA			coolingDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.700.12.1.19	FQDDString	

Table 19.   thermalGroup/temperatureProbeTable

OMSA			iDRAC7			Comments
Group	thermalGroup		Group	thermalGroup		
Table	temperatureProbeTable		Table	temperatureProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
temperatureProbecchassisIndex	1.3.6.1.4.1.674.10892.1.700.20.1.1	DellObjectRange	temperatureProbecchassisIndex	1.3.6.1.4.1.674.10892.5.4.700.20.1.1	ObjectRange	
temperatureProbeIndex	1.3.6.1.4.1.674.10892.1.700.20.1.2	DellObjectRange	temperatureProbeIndex	1.3.6.1.4.1.674.10892.5.4.700.20.1.2	ObjectRange	
temperatureProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.700.20.1.3	DellStateCapabilities	temperatureProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.700.20.1.3	StateCapabilitiesFlags	
temperatureProbeStateSettings	1.3.6.1.4.1.674.10892.1.700.20.1.4	DellStateSettings	temperatureProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.700.20.1.4	StateSettingsFlags	
temperatureProbeStatus	1.3.6.1.4.1.674.10892.1.700.20.1.5	DellStatusProbe	temperatureProbeStatus	1.3.6.1.4.1.674.10892.5.4.700.20.1.5	StatusProbeEnum	
temperatureProbeReading	1.3.6.1.4.1.674.10892.1.700.20.1.6	DellSigned32BitRange	temperatureProbeReading	1.3.6.1.4.1.674.10892.5.4.700.20.1.6	Signed32BitRange	Differences may be seen between iDRAC7 and OMSA because temperature might change slightly every time the value is fetched.
temperatureProbeType	1.3.6.1.4.1.674.10892.1.700.20.1.7	DellTemperatureProbeType	temperatureProbeType	1.3.6.1.4.1.674.10892.5.4.700.20.1.7	TemperatureProbeTypeEnum	
temperatureProbeLocationName	1.3.6.1.4.1.674.10892.1.700.20.1.8	DellString	temperatureProbeLocationName	1.3.6.1.4.1.674.10892.5.4.700.20.1.8	String64	
temperatureProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.9	DellSigned32BitRange	temperatureProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.9	Signed32BitRange	
temperatureProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.10	DellSigned32BitRange	temperatureProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.10	Signed32BitRange	

OMSA			iDRAC7			Comments
Group	**thermalGroup**		**Group**	**thermalGroup**		
Table	**temperatureProbeTable**		**Table**	**temperatureProbeTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
temperatureProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.11	DellSigned32BitRange	temperatureProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.11	Signed32BitRange	
temperatureProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.12	DellSigned32BitRange	temperatureProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.12	Signed32BitRange	
temperatureProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.13	DellSigned32BitRange	temperatureProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.13	Signed32BitRange	
temperatureProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.14	DellSigned32BitRange	temperatureProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.14	Signed32BitRange	
temperatureProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.700.20.1.15	DellProbeCapabilities	temperatureProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.700.20.1.15	ProbeCapabilitiesFlags	
temperatureProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.700.20.1.16	DellTemperatureDiscreteReading	temperatureProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.700.20.1.16	TemperatureDiscreteReadingEnum	

Table 20.   deviceGroup/processorDeviceTable

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**processorDeviceTable**		**Table**	**processorDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
processorDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.30.1.1	DellObjectRange	processorDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.30.1.1	ObjectRange	
processorDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.30.1.2	DellObjectRange	processorDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.30.1.2	ObjectRange	
processorDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.30.1.3	DellStateCapabilities	processorDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.30.1.3	StateCapabilitiesFlags	

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**processorDeviceTable**		**Table**	**processorDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
processorDeviceStateSettings	1.3.6.1.4.1.674.10892.1.1100.30.1.4	DellStateSettings	processorDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.30.1.4	StateSettingsFlags	
processorDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.30.1.5	DellStatus	processorDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.30.1.5	ObjectStatusEnum	
processorPortIndexReference	1.3.6.1.4.1.674.10892.1.1100.30.1.6	DellObjectRange	Not Available in iDRAC7			
processorDeviceType	1.3.6.1.4.1.674.10892.1.1100.30.1.7	DellProcessorDeviceType	processorDeviceType	1.3.6.1.4.1.674.10892.5.4.1100.30.1.7	ProcessorDeviceType	
processorDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.1100.30.1.8	DellString	processorDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.1100.30.1.8	String64	
processorDeviceStatusState	1.3.6.1.4.1.674.10892.1.1100.30.1.9	DellProcessorDeviceStatusState	processorDeviceStatusState	1.3.6.1.4.1.674.10892.5.4.1100.30.1.9	ProcessorDeviceStatusState	
processorDeviceFamily	1.3.6.1.4.1.674.10892.1.1100.30.1.10	DellProcessorDeviceFamily	processorDeviceFamily	1.3.6.1.4.1.674.10892.5.4.1100.30.1.10	ProcessorDeviceFamily	
processorDeviceMaximumSpeed	1.3.6.1.4.1.674.10892.1.1100.30.1.11	DellUnsigned32BitRange	processorDeviceMaximumSpeed	1.3.6.1.4.1.674.10892.5.4.1100.30.1.11	Unsigned32BitRange	
processorDeviceCurrentSpeed	1.3.6.1.4.1.674.10892.1.1100.30.1.12	DellUnsigned32BitRange	processorDeviceCurrentSpeed	1.3.6.1.4.1.674.10892.5.4.1100.30.1.12	Unsigned32BitRange	
processorDeviceExternalClockSpeed	1.3.6.1.4.1.674.10892.1.1100.30.1.13	DellUnsigned32BitRange	processorDeviceExternalClockSpeed	1.3.6.1.4.1.674.10892.5.4.1100.30.1.13	Unsigned32BitRange	
processorDeviceVoltage	1.3.6.1.4.1.674.10892.1.1100.30.1.14	DellSigned32BitRange	processorDeviceVoltage	1.3.6.1.4.1.674.10892.5.4.1100.30.1.14	Signed32BitRange	
processorDeviceUp	1.3.6.1.4.1.674.10892.1.11	DellProcessorUpgr	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
gradeInformation	00.30.1.15	adeInformation				
processorDeviceVersionName	1.3.6.1.4.1.674.10892.1.11 00.30.1.16	DellString	processorDeviceVersionName	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.16	String64	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
processorDeviceCoreCount	1.3.6.1.4.1.674.10892.1.11 00.30.1.17	DellUnsigned32BitRange	processorDeviceCoreCount	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.17	Unsigned32BitRange	
processorDeviceCoreEnabledCount	1.3.6.1.4.1.674.10892.1.11 00.30.1.18	DellUnsigned32BitRange	processorDeviceCoreEnabledCount	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.18	Unsigned32BitRange	
processorDeviceThreadCount	1.3.6.1.4.1.674.10892.1.11 00.30.1.19	DellUnsigned32BitRange	processorDeviceThreadCount	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.19	Unsigned32BitRange	
processorDeviceCharacteristics	1.3.6.1.4.1.674.10892.1.11 00.30.1.20	DellUnsigned16BitRange,	processorDeviceCharacteristics	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.20	Unsigned16BitRange	
processorDeviceExtendedCapabilities	1.3.6.1.4.1.674.10892.1.11 00.30.1.21	DellUnsigned16BitRange	processorDeviceExtendedCapabilities	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.21	Unsigned16BitRange	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
processorDeviceExtendedSettings	1.3.6.1.4.1.674.10892.1.11 00.30.1.22	DellUnsigned16BitRange	processorDeviceExtendedSettings	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.22	Unsigned16BitRange	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
processorDeviceBrandName	1.3.6.1.4.1.674.10892.1.11 00.30.1.23	DellString	processorDeviceBrandName	1.3.6.1.4.1.674.10892.5.4.11 00.30.1.23	String64	
processorDeviceMo	1.3.6.1.4.1.674.10892.1.11	DellString	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
delName	00.30.1.24					
processorDeviceSteppingName	1.3.6.1.4.1.674.10892.1.1100.30.1.25	DellString	Not Available in iDRAC7			
Not Available in OMSA			processorDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.1100.30.1.26	FQDDString	

<p align="center">Table 21.   deviceGroup/processorDeviceStatusTable</p>

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceStatusTable		Table	processorDeviceStatusTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceStatusChassisIndex	1.3.6.1.4.1.674.10892.1.1100.32.1.1	DellObjectRange	processorDeviceStatusChassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.32.1.1	ObjectRange	
processorDeviceStatusIndex	1.3.6.1.4.1.674.10892.1.1100.32.1.2	DellObjectRange	processorDeviceStatusIndex	1.3.6.1.4.1.674.10892.5.4.1100.32.1.2	ObjectRange	
processorDeviceStatusStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.32.1.3	DellStateCapabilities	processorDeviceStatusStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.32.1.3	StateCapabilitiesFlags	
processorDeviceStatusStateSettings	1.3.6.1.4.1.674.10892.1.1100.32.1.4	DellStateSettings	processorDeviceStatusStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.32.1.4	StateSettingsFlags	
processorDeviceStatusStatus	1.3.6.1.4.1.674.10892.1.1100.32.1.5	DellStatus	processorDeviceStatusStatus	1.3.6.1.4.1.674.10892.5.4.1100.32.1.5	ObjectStatusEnum	
processorDeviceStatusReading	1.3.6.1.4.1.674.10892.1.1100.32.1.6	DellProcessorDeviceStatusReading	processorDeviceStatusReading	1.3.6.1.4.1.674.10892.5.4.1100.32.1.6	ProcessorDeviceStatusReadingFlags	
processorDeviceStatusLocationName	1.3.6.1.4.1.674.10892.1.1100.32.1.7	DellString	processorDeviceStatusLocationName	1.3.6.1.4.1.674.10892.5.4.1100.32.1.7	String64	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**processorDeviceStatusTable**		**Table**	**processorDeviceStatusTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
						OMSA application
processorDeviceStatusPortIndexReference	1.3.6.1.4.1.674.10892.1.1100.32.1.8	DellObjectRange	Not Available in iDRAC7			

Table 22.   deviceGroup/memoryDeviceTable

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**memoryDeviceTable**		**Table**	**memoryDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
memoryDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.50.1.1	DellObjectRange	memoryDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.50.1.1	ObjectRange	
memoryDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.50.1.2	DellObjectRange	memoryDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.50.1.2	ObjectRange	
memoryDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.50.1.3	DellStateCapabilities	memoryDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.50.1.3	StateCapabilitiesFlags	
memoryDeviceStateSettings	1.3.6.1.4.1.674.10892.1.1100.50.1.4	DellStateSettings	memoryDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.50.1.4	StateSettingsFlags	
memoryDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.50.1.5	DellStatus	memoryDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.50.1.5	ObjectStatusEnum	
memoryDeviceMemoryPortIndexReference	1.3.6.1.4.1.674.10892.1.1100.50.1.6	DellObjectRange	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	memoryDeviceTable		Table	memoryDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
memoryDeviceType	1.3.6.1.4.1.674.10892.1.1100.50.1.7	DellMemoryDeviceType	memoryDeviceType	1.3.6.1.4.1.674.10892.5.4.1100.50.1.7	MemoryDeviceTypeEnum	
memoryDeviceLocationName	1.3.6.1.4.1.674.10892.1.1100.50.1.8	DellString	memoryDeviceLocationName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.8	String64	
memoryDeviceErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.9	DellSigned32BitRange	Not Available in iDRAC7			
memoryDeviceBankLocationName	1.3.6.1.4.1.674.10892.1.1100.50.1.10	DellString	memoryDeviceBankLocationName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.10	String64	
memoryDeviceTypeDetails	1.3.6.1.4.1.674.10892.1.1100.50.1.11	DellMemoryDeviceTypeDetails	Not Available in iDRAC7			
memoryDeviceFormFactor	1.3.6.1.4.1.674.10892.1.1100.50.1.12	DellMemoryDeviceFormFactor	Not Available in iDRAC7			
memoryDeviceSet	1.3.6.1.4.1.674.10892.1.1100.50.1.13	DellUnsigned32BitRange	Not Available in iDRAC7			
memoryDeviceSize	1.3.6.1.4.1.674.10892.1.1100.50.1.14	DellUnsigned32BitRange	memoryDeviceSize	1.3.6.1.4.1.674.10892.5.4.1100.50.1.14	Unsigned32BitRange	
memoryDeviceSpeed	1.3.6.1.4.1.674.10892.1.1100.50.1.15	DellUnsigned32BitRange	memoryDeviceSpeed	1.3.6.1.4.1.674.10892.5.4.1100.50.1.15	Unsigned32BitRange	
memoryDeviceTotalBusWidth	1.3.6.1.4.1.674.10892.1.1100.50.1.16	DellUnsigned32BitRange	Not Available in iDRAC7			
memoryDeviceTotalDataBusWidth	1.3.6.1.4.1.674.10892.1.1100.50.1.17	DellUnsigned32BitRange	Not Available in iDRAC7			
memoryDeviceSingleBitErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.18	DellSigned32BitRange	Not Available in iDRAC7			
memoryDeviceMultiBitErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.19	DellSigned32BitRange	Not Available in iDRAC7			
memoryDeviceFailureModes	1.3.6.1.4.1.674.10892.1.1100.50.1.20	DellMemoryDeviceFailureModes	Not Available in iDRAC7			
memoryDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.1100.50.1.21	DellString	memoryDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.21	String64	
memoryDevicePartNumberName	1.3.6.1.4.1.674.10892.1.1100.50.1.22	DellString	memoryDevicePartNumberName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.22	String64	
memoryDeviceSerialNumberName	1.3.6.1.4.1.674.10892.1.1100.50.1.23	DellString	memoryDeviceSerialNumberName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.23	String64	

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**memoryDeviceTable**		**Table**	**memoryDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
memoryDeviceAssetTagName	1.3.6.1.4.1.674.10892.1.1100.50.1.24	DellString	Not Available in iDRAC7			
memoryDeviceSpeedName	1.3.6.1.4.1.674.10892.1.1100.50.1.25	DellString	Not Available in iDRAC7			
Not Available in OMSA			memoryDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.1100.50.1.26	FQDDString	

Table 23.   deviceGroup/pCIDeviceTable

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**pCIDeviceTable**		**Table**	**pCIDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
pCIDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.80.1.1	DellObjectRange	pCIDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.80.1.1	ObjectRange	
pCIDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.80.1.2	DellObjectRange	pCIDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.80.1.2	ObjectRange	
pCIDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.80.1.3	DellStateCapabilities	pCIDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.80.1.3	StateCapabilitiesFlags	
pCIDeviceStateSettings	1.3.6.1.4.1.674.10892.1.1100.80.1.4	DellStateSettings	pCIDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.80.1.4	StateSettingsFlags	
pCIDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.80.1.5	DellStatus	pCIDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.80.1.5	ObjectStatusEnum	
pCIDeviceSystemSlotIndexReference	1.3.6.1.4.1.674.10892.1.1100.80.1.6	DellObjectRange	Not Available in iDRAC7			
pCIDeviceDataBusWidth	1.3.6.1.4.1.674.10892.1.1100.80.1.7	DellUnsigned32BitRange	pCIDeviceDataBusWidth	1.3.6.1.4.1.674.10892.5.4.1100.80.1.7	Unsigned32BitRange	

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	pCIDeviceTable		Table	pCIDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
pCIDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.1100.80.1.8	DellString	pCIDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.1100.80.1.8	String64	
pCIDeviceDescriptionName	1.3.6.1.4.1.674.10892.1.1100.80.1.9	DellString	pCIDeviceDescriptionName	1.3.6.1.4.1.674.10892.5.4.1100.80.1.9	String64	
pCIDeviceSpeed	1.3.6.1.4.1.674.10892.1.1100.80.1.10	DellUnsigned32BitRange	Not Available in iDRAC7			
pCIDeviceAdapterFault	1.3.6.1.4.1.674.10892.1.1100.80.1.11	DellBoolean	Not Available in iDRAC7			
Not Available in OMSA			pCIDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.1100.80.1.12	FQDDString	

Table 24. deviceGroup/networkDeviceTable

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	networkDeviceTable		Table	networkDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
networkDeviceChassisIndex	1.3.6.1.4.1.674.10892.1.1100.90.1.1	DellObjectRange	networkDeviceChassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.90.1.1	ObjectRange	
networkDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.90.1.2	DellObjectRange	networkDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.90.1.2	ObjectRange	
networkDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.90.1.3	DellStatus	networkDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.90.1.3	ObjectStatusEnum	
networkDeviceConnectionStatus	1.3.6.1.4.1.674.10892.1.1100.90.1.4	DellNetworkDeviceConnectionStatus	networkDeviceConnectionStatus	1.3.6.1.4.1.674.10892.5.4.1100.90.1.4	NetworkDeviceConnectionStatusEnum	
networkDeviceDescriptionName	1.3.6.1.4.1.674.10892.1.1100.90.1.5	DellString	Not Available in iDRAC7			
networkDeviceProd	1.3.6.1.4.1.674.10892.1.1100	DellString	networkDeviceProd	1.3.6.1.4.1.674.10892.5.4.11	String64	

OMSA			iDRAC7			Comments
Group	deviceGroup		Group	deviceGroup		
Table	networkDeviceTable		Table	networkDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
uctName	.90.1.6		uctName	00.90.1.6		
networkDeviceVendorName	1.3.6.1.4.1.674.10892.1.1100.90.1.7	DellString	networkDeviceVendorName	1.3.6.1.4.1.674.10892.5.4.1100.90.1.7	String64	
networkDeviceServiceName	1.3.6.1.4.1.674.10892.1.1100.90.1.8	DellString	Not Available in iDRAC7			
networkDeviceDriverImagePathName	1.3.6.1.4.1.674.10892.1.1100.90.1.9	DellString	Not Available in iDRAC7			
networkDeviceDriverVersionName	1.3.6.1.4.1.674.10892.1.1100.90.1.10	DellString	Not Available in iDRAC7			
networkDeviceIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.11	IpAddress	Not Available in iDRAC7			
networkDeviceIPSubnetMask	1.3.6.1.4.1.674.10892.1.1100.90.1.12	IpAddress	Not Available in iDRAC7			
networkDeviceDefaultGatewayIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.13	IpAddress	Not Available in iDRAC7			
networkDeviceDHCPServerIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.14	IpAddress	Not Available in iDRAC7			
networkDeviceCurrentMACAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.15	DellMACAddress	networkDeviceCurrentMACAddress	1.3.6.1.4.1.674.10892.5.4.1100.90.1.15	MACAddress	
networkDevicePermanentMACAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.16	DellMACAddress	networkDevicePermanentMACAddress	1.3.6.1.4.1.674.10892.5.4.1100.90.1.16	MACAddress	
networkDevicePCIBusNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.17	DellUnsigned8BitRange	networkDevicePCIBusNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.17	Unsigned8BitRange	
networkDevicePCIDeviceNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.18	DellUnsigned8BitRange	networkDevicePCIDeviceNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.18	Unsigned8BitRange	
networkDevicePCIFunctionNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.19	DellUnsigned8BitRange	networkDevicePCIFunctionNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.19	Unsigned8BitRange	
networkDeviceIRQ	1.3.6.1.4.1.674.10892.1.1100.90.1.20	DellUnsigned32BitRange	Not Available in iDRAC7			
networkDeviceBaseIOPortAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.21	DellUnsigned32BitRange	Not Available in iDRAC7			
networkDeviceTeamingFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.22	DellNetworkDeviceTeamingFlags	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	**deviceGroup**		**Group**	**deviceGroup**		
Table	**networkDeviceTable**		**Table**	**networkDeviceTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
networkDeviceTOECapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.23	DellNetworkDeviceTOECapabilityFlags	networkDeviceTOECapabilityFlags	1.3.6.1.4.1.674.10892.5.4.1100.90.1.23	NetworkDeviceTOECapabilityFlags	
networkDeviceTOEEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.24	DellBoolean	Not Available in iDRAC7			
networkDeviceRDMACapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.25	DellNetworkDeviceRDMACapabilityFlags	Not Available in iDRAC7			
networkDeviceRDMAEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.26	DellBoolean	Not Available in iDRAC7			
networkDeviceiSCSICapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.27	DellNetworkDeviceiSCSICapabilityFlags	networkDeviceiSCSICapabilityFlags	1.3.6.1.4.1.674.10892.5.4.1100.90.1.27	NetworkDeviceiSCSICapabilityFlags	
networkDeviceiSCSIEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.28	DellBoolean	networkDeviceiSCSIEnabled	1.3.6.1.4.1.674.10892.5.4.1100.90.1.28	BooleanType	
networkDeviceCapabilities	1.3.6.1.4.1.674.10892.1.1100.90.1.29	DellNetworkDeviceCapabilities	networkDeviceCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.90.1.29	NetworkDeviceCapabilitiesFlags	
Not Available in OMSA			networkDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.1100.90.1.30	FQDDString	

Table 25.   slotGroup/systemSlotTable

OMSA			iDRAC7			Comments
Group	**slotGroup**		**Group**	**slotGroup**		
Table	**systemSlotTable**		**Table**	**systemSlotTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemSlotchassisIndex	1.3.6.1.4.1.674.10892.1.1200.10.1.1	DellObjectRange	systemSlotchassisIndex	1.3.6.1.4.1.674.10892.5.4.1200.10.1.1	ObjectRange	
systemSlotIndex	1.3.6.1.4.1.674.10892.1.1200.10.1.2	DellObjectRange	systemSlotIndex	1.3.6.1.4.1.674.10892.5.4.1200.10.1.2	ObjectRange	

OMSA			iDRAC7			Comments
Group	**slotGroup**		**Group**	**slotGroup**		
Table	**systemSlotTable**		**Table**	**systemSlotTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
systemSlotStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.1200.10.1.3	DellSystemSlotStateCapabilities	systemSlotStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.1200.10.1.3	SystemSlotStateCapabilitiesFlags	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
systemSlotStateSettingsUnique	1.3.6.1.4.1.674.10892.1.1200.10.1.4	DellSystemSlotStateSettings	systemSlotStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.1200.10.1.4	SystemSlotStateSettingsFlags	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
systemSlotStatus	1.3.6.1.4.1.674.10892.1.1200.10.1.5	DellStatus	systemSlotStatus	1.3.6.1.4.1.674.10892.5.4.1200.10.1.5	ObjectStatusEnum	
systemSlotCurrentUsage	1.3.6.1.4.1.674.10892.1.1200.10.1.6	DellSystemSlotUsage	systemSlotCurrentUsage	1.3.6.1.4.1.674.10892.5.4.1200.10.1.6	SystemSlotUsageEnum	
systemSlotType	1.3.6.1.4.1.674.10892.1.1200.10.1.7	DellSystemSlotType	systemSlotType	1.3.6.1.4.1.674.10892.5.4.1200.10.1.7	SystemSlotTypeEnum	Differences may be seen between iDRAC7 and OMSA values because of the underlying differences in the implementations of the iDRAC7 firmware and the OMSA application
systemSlotSlotExternalSlotName	1.3.6.1.4.1.674.10892.1.1200.10.1.8	DellString	systemSlotSlotExternalSlotName	1.3.6.1.4.1.674.10892.5.4.1200.10.1.8	String64	
systemSlotLength	1.3.6.1.4.1.674.10892.1.1200.10.1.9	DellSystemSlotLength	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	slotGroup		**Group**	slotGroup		
Table	systemSlotTable		**Table**	systemSlotTable		
Attribute Name	OID	Data Type	**Attribute Name**	OID	Data Type	
systemSlotSlotID	1.3.6.1.4.1.674.10892.1.1200.10.1.10	DellUnsigned32BitRange	Not Available in iDRAC7			
systemSlotCategory	1.3.6.1.4.1.674.10892.1.1200.10.1.11	DellSystemSlotCategory	systemSlotCategory	1.3.6.1.4.1.674.10892.5.4.1200.10.1.11	SystemSlotCategoryEnum	
systemSlotHotPlugBusWidth	1.3.6.1.4.1.674.10892.1.1200.10.1.12	DellSystemSlotHotPlugBusWidth	Not Available in iDRAC7			
systemSlotHotPlugSlotSpeed	1.3.6.1.4.1.674.10892.1.1200.10.1.13	DellUnsigned32BitRange	Not Available in iDRAC7			
systemSlotHotPlugAdapterSpeed	1.3.6.1.4.1.674.10892.1.1200.10.1.14	DellUnsigned32BitRange	Not Available in iDRAC7			

Table 26.   fruGroup/fruTable

OMSA			iDRAC7			Comments
Group	fruGroup		**Group**	fruGroup		
Table	fruTable		**Table**	fruTable		
Attribute Name	OID	Data Type	**Attribute Name**	OID	Data Type	
fruChassisIndex	1.3.6.1.4.1.674.10892.1.2000.10.1.1	DellObjectRange	fruChassisIndex	1.3.6.1.4.1.674.10892.5.4.2000.10.1.1	ObjectRange	
fruIndex	1.3.6.1.4.1.674.10892.1.2000.10.1.2	DellObjectRange	fruIndex	1.3.6.1.4.1.674.10892.5.4.2000.10.1.2	ObjectRange	
fruInformationStatus	1.3.6.1.4.1.674.10892.1.2000.10.1.3	DellStatus	fruInformationStatus	1.3.6.1.4.1.674.10892.5.4.2000.10.1.3	ObjectStatusEnum	
fruInformationState	1.3.6.1.4.1.674.10892.1.2000.10.1.4	DellFRUInformationState	Not Available in iDRAC7			

OMSA			iDRAC7			Comments
Group	**fruGroup**		**Group**	**fruGroup**		
Table	**fruTable**		**Table**	**fruTable**		
Attribute Name	**OID**	**Data Type**	**Attribute Name**	**OID**	**Data Type**	
fruDeviceName	1.3.6.1.4.1.674.10892.1.2000.10.1.5	DisplayString (SIZE (0..64))	Not Available in iDRAC7			
fruManufacturerName	1.3.6.1.4.1.674.10892.1.2000.10.1.6	DisplayString (SIZE (0..64))	fruManufacturerName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.6	DisplayString (SIZE (0..64))	
fruSerialNumberName	1.3.6.1.4.1.674.10892.1.2000.10.1.7	DisplayString (SIZE (0..64))	fruSerialNumberName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.7	DisplayString (SIZE (0..64))	
fruPartNumberName	1.3.6.1.4.1.674.10892.1.2000.10.1.8	DisplayString (SIZE (0..64))	fruPartNumberName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.8	DisplayString (SIZE (0..64))	
fruRevisionName	1.3.6.1.4.1.674.10892.1.2000.10.1.9	DisplayString (SIZE (0..64))	fruRevisionName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.9	DisplayString (SIZE (0..64))	
fruManufacturingDateName	1.3.6.1.4.1.674.10892.1.2000.10.1.10	DellDateName	Not Available in iDRAC7			
fruAssetTagName	1.3.6.1.4.1.674.10892.1.2000.10.1.11	DisplayString (SIZE (0..64))	Not Available in iDRAC7			
Not Available in OMSA			fruFQDD	1.3.6.1.4.1.674.10892.5.4.2000.10.1.12	FQDDString	

OMSS to iDRAC7 SNMP Get migration

This section captures a comparative study of the iDRAC7 (firmware version 1.30.30 part of OpenManage 7.2 release) SNMP storage system modeling with OMSS version 7.1 MIB as the reference.

In general, the groups, table structures and hierarchy have been retained in iDRAC7 as compared with the OMSS MIB (for example, the dcstorag.mib file). The storage base OID in OMSS, for example: 1.3.6.1.4.1.674.10893 now corresponds to 1.3.6.1.4.1.674.10892.5.5 in iDRAC7. Typically replacing the "10893" in an OMSS OID with "10892.5.5" should result in corresponding attribute in IDRAC7 OID.

Some of the key differences are explained below

1. Modeling Fully Qualified Device Descriptors (FQDD): The FQDDs are a generic and consistent way to denote any target device (server/storage) attached to the system. This lets customers write scripts that are used across multiple platforms and generations. In the iDRAC7 MIB, the FQDD attribute is added as an attribute in all the storage tables to uniquely identify object instances. Some of the key benefits derived by leveraging FQDD are captured below:

    a. Parent/Child relationship: The FQDD is in text format and is colon (:) separated. Each colon separated token indicates a node device and the token to the right indicates its immediate parent/association in the chain of nodes/device. The same is illustrated with examples for some storage objects:

Table 27.   Fully Qualified Device Descriptors for storage devices

Object	FQDD syntax	Examples. Format: \<the device's complete FQDD> / \< parent device and its FQDD: >	Additional details
Storage battery	\<Battery node FQDD>:\<Controller node FQDD>	Battery.Integrated.1:RAID.Slot.5 / parent RAID controller's FQDD: RAID.Slot.5.	The RAID controller is inserted into PCI slot 5.
External storage enclosure	Enclosure.External. \<connector ID>-\<wired order>:\<Controller node FQDD>	Enclosure.External.0-1:RAID.Slot.5 / parent RAID controller's FQDD: RAID.Slot.5	The external enclosure is connected to connector ID 0 on the RAID controller. The enclosure is at position 1 in the wired order/daisy chain of enclosure(s).
Internal backplane.	Enclosure.Internal. \<connector ID>-\<wired order>:\<Controller node FQDD>	Enclosure.Internal.0-1:RAID.Integrated.1-1 / parent RAID controller's FQDD: RAID.Integrated.1-1	The *internal* indicates a server backplane and *external* indicates a storage enclosure (JBOD) in the FQDD text.
Physical disk (PD) within an enclosure	Disk.Bay.\<Slot no.>:\<Enclosure node FQDD>:\<Controller node FQDD>	Disk.Bay.5:Enclosure.External.0-0:RAID.Slot.7-1 / parent external enclosure's FQDD: Enclosure.External.0-0:RAID.Slot.7-1	The disk is inserted into slot 5 of the enclosure.
Physical disk connected to a backplane	Disk.Bay.\<Slot no.>:\<Backplane node FQDD>:\<Controller node FQDD>	Disk.Bay.0:Enclosure.Internal.0-1:RAID.Integrated.1-1 / parent internal backplane's FQDD: Enclosure.Internal.0-1:RAID.Integrated.1-1.	The disk is inserted into slot 5 of the backplane.
Virtual disk (VD)	Disk.Virtual.\<target ID>:\<Controller node FQDD>	Disk.Virtual.0:RAID.Integrated.1-1 / parent RAID controller's FQDD: RAID.Integrated.1-1.	The unique ID assigned by the RAID controller (target ID) of the virtual disk is 0.
Enclosure Management Module (EMM)	EMM.Slot.\<EMM slot no.>:\<Enclosure node FQDD>:\<Controller node FQDD>	EMM.Slot.1:Enclosure.External.1-1:RAID.Slot.1 / parent external enclosure's FQDD: Enclosure.External.1-1:RAID.Slot.1.	The EMM is inserted into EMM slot number 1 of the backplane.

The FQDD makes it seamless to determine the parent/child relationship between devices. Thus, the storage device topology is easily constructed. This absolves the need for explicit tables to model the interconnections of the devices (for example: arrayDiskEnclosureConnectionTable, fanConnectionTable and so on present in OMSS).

a. Additional details: Some additional details about the individual objects are embedded in the device FQDD. For example, the connected port/channel and enclosure position/wired order details about an enclosure. These are indicated in the last column of the above table.

b. The nexusID attributes used in OMSS are not retained in iDRAC7 MIB as the FQDD is leveraged in lieu of the nexusID attribute.

2. Reporting friendly Fully Qualified Device Descriptors (FQDD : The FQDD text often looks cryptic to users; and hence a friendly FQDD attribute is added as an attribute in all the storage tables to identify devices using a verbose and intuitive text description.

3. The underlying data reported by the iDRAC7 SNMP interface is largely the same as that reported by the other interfaces – for example, the iDRAC7 web interface, RACADM. Therefore, there is close consistency with w.r.t data modeling and values reported between the iDRAC7 SNMP and other interfaces.

4. Some SNMP tables have been renamed in iDRAC7 for intuitiveness and better clarity between server and storage objects. The details about the same are listed below:

Table 28.   OMSS table names changed in iDRAC

OMSS Table Name	iDRAC7 Table Name
arrayDiskTable	physicalDiskTable
fanTable	enclosureFanTable
powerSupplyTable	enclosurePowerSupplyTable
temperatureProbeTable	enclosureTemperatureProbeTable

5. The OMSS tables listed below are not available in iDRAC7. However, the data is available using other tables/attributes as described under second column below.

OMSS Table Name	Remarks
channelTable	The channelTable and its related tables are not modeled explicitly in iDRAC7 agentless monitoring. The connected port/channel is determined from the FQDD as described in 1.b.
arrayDiskEnclosureConnectionTable	There are no explicit connection tables in iDRAC7. Refer to 1.a to determine the object topology.
arrayDiskChannelConnectionTable	
fanConnectionTable	
powerSupplyConnectionTable	
temperatureConnectionTable	
enclosureManagementModuleConnectionTable	
batteryConnectionTable	
arrayDiskLogicalConnectionTablen	

A detailed study of the storage tables/attributes is presented in the OMSS-to-iDRAC7 comparison table below.

Table 30.   OMSS storageManagement and iDRA7 racInfoGroup

OMSS				iDRAC7				Comments
Group	**storageManagement**			**Group**	**racInfoGroup**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
softwareVersion	1.3.6.1.4.1.674.10893.1.20.1	DisplayString	E.g.3.3.0	racVersion	1.3.6.1.4.1.674.10892.5.1.1.5	StringType	E.g. 1.30.30	
globalStatus	1.3.6.1.4.1.674.10893.1.20.2	INTEGER	critical(1), warning(2), normal(3), unknown(4)	globalStorageStatus	1.3.6.1.4.1.674.10892.5.2.3	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	The underlying object topology and corresponding algorithm to calculate the worst-case severity is different between OMSS and iDRAC7. Therefore, exact consistency in the values is not expected.
softwareManufacturer	1.3.6.1.4.1.674.10893.1.20.3	DisplayString	E.g. "Dell Inc"	racManufacturer	1.3.6.1.4.1.674.10892.5.1.1.4	StringType	E.g. "Dell"	In OMSS, the in-band SNMP agent indicates the name of the host management software's manufacturer. However, in iDRAC, this is considered equivalent to the name of the embedded remote access card's

OMSS				iDRAC7				Comments
Group	storageManagement			Group	racInfoGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								manufacturer.
softwareProduct	1.3.6.1.4.1.674.10893.1.20.4	DisplayString	For example: Server Administrator (Storage Management)	racName	1.3.6.1.4.1.674.10892.5.1.1.1	StringType	For example: Integrated Dell Remote Access Controller 7	In OMSS, the in-band SNMP agent indicates the name of the host management software. However in iDRAC this can be considered equivalent to the name of the embedded remote access card.
softwareDescription	1.3.6.1.4.1.674.10893.1.20.5	DisplayString	E.g. "Configuration and monitoring of disk storage devices."	racDescription	1.3.6.1.4.1.674.10892.5.1.1.3	StringType	E.g. "This system component provides a complete set of remote management functions for Dell PowerEdge Servers."	In OMSS, the in-band SNMP agent indicates the description of the host management software. However, in iDRAC this is considered equivalent to the description of the embedded remote access card.

Table 31. OMSS storageManagementInfo and iDRAC7 racInfoGroup

OMSS				iDRAC7				Comments
Group	storageManagementInfo			Group	racInfoGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
displayName	1.3.6.1.4.1.674.10893.1.20.100.1	DisplayString		racName	1.3.6.1.4.1.674.10892.5.1.1.1	StringType		
description	1.3.6.1.4.1.674.10893.1.20.100.2	DisplayString		racDescription	1.3.6.1.4.1.674.10892.5.1.1.3	StringType		
agentVendor	1.3.6.1.4.1.674.10893.1.20.100.3	DisplayString		racManufacturer	1.3.6.1.4.1.674.10892.5.1.1.4	StringType		Unlike the host-OS, where the management software must be installed separately, the iDRAC agent is an embedded firmware. Therefore, the manufacturer of the management software and remote access card (iDRAC) are regarded asequivalent.
agentVersion	1.3.6.1.4.1.674.10893.1.20.100.4	DisplayString		Not Applicable				obsolete

Table 32.   OMSS storageManagementInfo and iDRAC7 racInfoGroup, statusGroup and mIBVersionGroup

OMSS				iDRAC7				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
agentSystemGlobalStatus	1.3.6.1.4.1.674.10893.1.20.110.1	INTEGER	normal(1), warning(2), nonCriticalError(3), failure(4), unknown(5)	Not Applicable				Obsolete in OMSS.
agentLastGlobalStatus	1.3.6.1.4.1.674.10893.1.20.110.2	INTEGER	normal(1), warning(2), nonCriticalError(3), failure(4), unknown(5)	Not Applicable				Obsolete in OMSS.
agentTimeStamp	1.3.6.1.4.1.674.10893.1.20.110.3	INTEGER		Not Available				
agentGetTimeout	1.3.6.1.4.1.674.10893.1.20.110.4	INTEGER		Not Available				
agentModifiers	1.3.6.1.4.1.674.10893.1.20.110.5	INTEGER		Not Available				
agentRefreshRate	1.3.6.1.4.1.674.10893.1.20.110.6	INTEGER		Not Available				Note: The iDRAC7 SNMP sub-agent's internal cache (applicable to storage data only) expires after one minute. So, ideally the recommended polling time duration for SNMP Gets should be 60 seconds or more from a 1:N

OMSS				iDRAC7				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								console perspective.
agentHostname	1.3.6.1.4.1.674.10893.1.20.110.7	DisplayString		Not Applicable				Obsolete in OMSS.
agentIPAddress	1.3.6.1.4.1.674.10893.1.20.110.8	DisplayString		Not Applicable				Obsolete in OMSS.
agentSoftwareStatus	1.3.6.1.4.1.674.10893.1.20.110.9	INTEGER	databaseUp(1), databaseDown(2)	Not Applicable				Obsolete in OMSS.
agentSnmpVersion	1.3.6.1.4.1.674.10893.1.20.110.10	DisplayString		Not Applicable				Obsolete in OMSS.
agentMibVersion	1.3.6.1.4.1.674.10893.1.20.110.11	DisplayString		mIBMajorVersionNumber, mIBMinorVersionNumber and mIBMaintenanceVersionNumber	1.3.6.1.4.1.674.10892.5.4.1.1, 1.3.6.1.4.1.674.10892.5.4.1.2 and 1.3.6.1.4.1.674.10892.5.4.1.3	Unsigned 8BitRange		Note: The change in data type and corresponding group name.

OMSS				iDRAC7				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
agentManagementSoftwareURLName	1.3.6.1.4.1.674.10893.1.20.110.12	DisplayString		racURL	1.3.6.1.4.1.674.10892.5.1.1.6	StringType		Note: The change in data type and corresponding group name.
agentGlobalSystemStatus	1.3.6.1.4.1.674.10893.1.20.110.13	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	globalStorageStatus	1.3.6.1.4.1.674.10892.5.2.3	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	The underlying algorithm to calculate the worst-case severity is different between the applications. Therefore, exact consistency in the values is not expected.
agentLastGlobalSystemStatus	1.3.6.1.4.1.674.10893.1.20.110.14	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable		Not Available			
agentSmartThermalShutdown	1.3.6.1.4.1.674.10893.1.20.110.15	INTEGER	enabled(1), disabled(2), notApplicable(3)		Not Applicable			This attribute is related to older enclosure models (like PV220S or PV221S). Monitoring of these types of enclosures is not supported by iDRAC7 storage

OMSS				iDRAC7				Comments
Group	storageManagementInfo			**Group**	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
								management.

Table 33.　physicalDevices/controllerTable

OMSS				iDRAC7				Comments
Group	physicalDevices			**Group**	physicalDevices			
Table	controllerTable			**Table**	controllerTable			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
controllerNumber	1.3.6.1.4.1.674.10893.1.20.130.1.1.1	INTEGER		controllerNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.1	INTEGER		
controllerName	1.3.6.1.4.1.674.10893.1.20.130.1.1.2	DisplayString		controllerName	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.2	DisplayString		The name strings may not be exactly identical. Note : In iDRAC7, the name is constructed in the format : - <controller model> (PCI Slot <number>) OR <controller model> (Embedded)
controllerVendor	1.3.6.1.4.1.674.10893.1.20.130.1.1.3	DisplayString		Not Available				
controllerType	1.3.6.1.4.1.674.10893.1.20.130.1.1.4	INTEGER,	scsi(1), pv660F(2), pv662F(3), ide(4), sata(5),	Not Available				Typically, all controllers reported here (through iDRAC7 agentless monitoring) support

OMSS				iDRAC7				Comments
Group	physicalDevices			**Group**	physicalDevices			
Table	controllerTable			**Table**	controllerTable			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
			sas(6), pciessd(9)					SAS protocol.
controllerState	1.3.6.1.4.1.674.10893.1.20.130.1.1.5	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6)	Not Available				Alternatively, attributes like 'controllerPreserved Cache' can be used to lookup specific controller states.
controllerSeverity	1.3.6.1.4.1.674.10893.1.20.130.1.1.6	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
controllerRebuildRateInPercent	1.3.6.1.4.1.674.10893.1.20.130.1.1.7	INTEGER	0-100	controllerRebuildRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.7	INTEGER	0-100	
controllerFWVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.8	DisplayString		controllerFWVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.8.1	DisplayString		
controllerCacheSizeInMB	1.3.6.1.4.1.674.10893.1.20.130.1.1.9	INTEGER		controllerCacheSizeInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.9	INTEGER		
controllerCacheSizeInBytes	1.3.6.1.4.1.674.10893.1.20.130.1.1.10	INTEGER		Not Available				Typically, controller cache memory size is an integral multiple of MB.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerPhysicalDeviceCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.11	INTEGER		Not Available				This is not available directly from iDRAC7. However, consumers can compute it by doing a sum of the number of the relevant object instances (i.e. physical disks and controller)
controllerLogicalDeviceCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.12	INTEGER		Not Available				This is not available directly from iDRAC7. However, consumers can compute it by taking the count of the instances of virtual disks present under the controller.
controllerPartnerStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.13	DisplayString		Not Applicable				Obsolete in OMSS.
controllerHostPortCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.14	INTEGER		Not Applicable				Obsolete in OMSS.
controllerMemorySizeInMB	1.3.6.1.4.1.674.10893.1.20.130.1.1.15	INTEGER		Not Applicable				Not applicable for controllers supporting agentless monitoring.
controllerMemorySizeInBytes	1.3.6.1.4.1.674.10893.1.20.130.1.1.16	INTEGER		Not Applicable				Not applicable for controllers supporting agentless monitoring.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerDriveChannelCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.17	INTEGER		Not Applicable				Obsolete in OMSS.
controllerFaultTolerant	1.3.6.1.4.1.674.10893.1.20.130.1.1.18	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC0Port0WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.19	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC0Port0Name	1.3.6.1.4.1.674.10893.1.20.130.1.1.20	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC0Port0ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.21	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC0Target	1.3.6.1.4.1.674.10893.1.20.130.1.1.22	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC0Channel	1.3.6.1.4.1.674.10893.1.20.130.1.1.23	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC0OSController	1.3.6.1.4.1.674.10893.1.20.130.1.1.24	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC0BatteryState	1.3.6.1.4.1.674.10893.1.20.130.1.1.25	INTEGER	ok(1), failed(2), reconditioning(7), high(9), low(10), charging(12), missing(21)	Not Applicable				Obsolete in OMSS.
controllerC1Port0WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.26	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerC1Port 0Name	1.3.6.1.4.1.674.10893.1.20.130.1.1.27	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC1Port 0ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.28	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1Tar get	1.3.6.1.4.1.674.10893.1.20.130.1.1.29	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1Cha nnel	1.3.6.1.4.1.674.10893.1.20.130.1.1.30	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1OSC ontroller	1.3.6.1.4.1.674.10893.1.20.130.1.1.31	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1Batt eryState	1.3.6.1.4.1.674.10893.1.20.130.1.1.32	INTEGER	ok(1), failed(2), reconditionin g(7), high(9), low(10), charging(12), missing(21)	Not Applicable				Obsolete in OMSS.
controllerNode WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.33	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC0Port 1WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.34	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC1Port 1WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.35	DisplayString		Not Applicable				Obsolete in OMSS.
controllerBatter yChargeCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.36	INTEGER		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.37	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	controllerRollUpStatus	.1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.37	ObjectStatus Enum	1: Other. 2: Unknown. 3: OK 4: Non-critical 5: Critical. 6: Non-recoverable.	Note: The rollup status computation algorithm could be slightly different in the both the applications.
controllerComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.38	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	controllerComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.38	ObjectStatus Enum	1: Other. 2: Unknown. 3: OK 4: Non-critical 5: Critical. 6: Non-recoverable.	
controllerNexusID	1.3.6.1.4.1.674.10893.1.20.130.1.1.39	DisplayString		Not Available				Alternatively, 'controllerFQDD' could be used to identify a controller uniquely.
controllerAlarmState	1.3.6.1.4.1.674.10893.1.20.130.1.1.40	INTEGER	enabled(1), disabled(2), not-applicable(3)	Not Available				

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerDriver Version	1.3.6.1.4.1.674.10893.1.20.130.1.1.41	DisplayString		controllerDri verVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.41	DisplayString		
controllerPCISlot	1.3.6.1.4.1.674.10893.1.20.130.1.1.42	DisplayString		controllerPCI Slot	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.42.1	DisplayString		
controllerCluste rMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.43	INTEGER	enabled(1), disabled(2), active(3), notApplicable (99)	Not Available				
controllerMinF WVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.44	DisplayString		Not Available				Monitoring firmware versions is not supported in iDRAC7 agentless monitoring.
controllerMinDri verVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.45	DisplayString		Not Available				Monitoring driver versions is not supported in iDRAC7 agentless monitoring.
controllerSCSIIni tiatorID	1.3.6.1.4.1.674.10893.1.20.130.1.1.46	INTEGER		Not Available				
controllerChann elCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.47	INTEGER		Not Available				Typically, all controllers reported here (through iDRAC7 agentless monitoring) have two channels (ports).

OMSS				iDRAC7				Comments
Group	**physicalDevices**			**Group**	**physicalDevices**			
Table	**controllerTable**			**Table**	**controllerTable**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
controllerReconstructRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.48	INTEGER	0-100	controllerReconstructRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.48	INTEGER	0-100	
controllerPatrolReadRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.49	INTEGER	0-100	controllerPatrolReadRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.49	INTEGER	0-100	
controllerBGIRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.50	INTEGER	0-100	controllerBGIRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.50	INTEGER	0-100	
controllerCheckConsistencyRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.51	INTEGER	0-100	controllerCheckConsistencyRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.51	INTEGER	0-100	
controllerPatrolReadMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.52	INTEGER	automatic(1), manual(2), disabled(3)	controllerPatrolReadMode	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.52	INTEGER	other(1), notSupported(2), disabled(3), auto(4), manual(5)	
controllerPatrolReadState	1.3.6.1.4.1.674.10893.1.20.130.1.1.53	INTEGER	stopped(1), ready(2), active(4), aborted(8)	controllerPatrolReadState	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.53	INTEGER	other(1), stopped(2), active(3)	

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerPatrol ReadIterations	1.3.6.1.4.1.674.10893.1.20.130.1. 1.54	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerStorpo rtDriverVersion	1.3.6.1.4.1.674.10893.1.20.130.1. 1.55	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerMinRe quiredStorportV er	1.3.6.1.4.1.674.10893.1.20.130.1. 1.56	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerEncryp tionCapable	1.3.6.1.4.1.674.10893.1.20.130.1. 1.57	INTEGER	1 - Capable, 99 - NotApplicable	controllerEn cryptionCap ability	1.3.6.1.4.1.674.10892.5.5.1.20.130 .1.1.74	INTEGER	other(1), none(2), lkm(3)	Note: The change in attribute OID and enumeration values.
controllerEncryp tionKeyPresent	1.3.6.1.4.1.674.10893.1.20.130.1. 1.58	INTEGER	1 - Yes, 0 - No, 99 - NotApplicable	controllerEn cryptionKey Present	1.3.6.1.4.1.674.10892.5.5.1.20.130 .1.1.73	BooleanType	0 = FALSE, 1 = TRUE	Note: The change in attribute OID.
controllerPersist entHotSpare	1.3.6.1.4.1.674.10893.1.20.130.1. 1.59	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermine d / Not applicable	controllerPe rsistentHotS pare	1.3.6.1.4.1.674.10892.5.5.1.20.130 .1.1.59	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerSpinDownUnconfiguredDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.60	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined / Not applicable	controllerSpinDownUnconfiguredDrives	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.60	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type
controllerSpinDownHotSpareDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.61	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined / Not applicable	controllerSpinDownHotSpareDrives	.1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.61	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type
controllerSpinDownTimeInterval	1.3.6.1.4.1.674.10893.1.20.130.1.1.62	INTEGER	30 - 1440	controllerSpinDownTimeInterval	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.62	INTEGER	30 - 1440	
controllerEncryptionMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.63	INTEGER	0 - No Encryption, 1 - Local Key Management (LKM), 2 - Dell Key Management (DKM), 99 - Not Applicable	controllerSecurityStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.72	INTEGER	unknown(1), none(2), lkm(3)	Note: The change in attribute OID and enumeration values.
controllerCacheCade	1.3.6.1.4.1.674.10893.1.20.130.1.1.64	INTEGER	1 - Capable, 0 - Not Capable, 99 - Undetermine	Not Available				Attribute not reported in iDRAC7 agentless monitoring.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			d					
controllerSpinDownConfiguredDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.65	INTEGER	0 - Disabled, 1 - Enabled, 99 - Undetermined	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerAutomaticPowerSaving	1.3.6.1.4.1.674.10893.1.20.130.1.1.66	INTEGER	0 - Disabled, 1 - Enabled, 99 - Undetermined	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerConfiguredDrivesSpinUpTime	1.3.6.1.4.1.674.10893.1.20.130.1.1.67	DisplayString	1:00 AM to 12:59 PM, 9999 - Undetermined	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerConfiguredDrivesSpinUpTimeInterval	1.3.6.1.4.1.674.10893.1.20.130.1.1.68	INTEGER	1 .. 24, 9999 - Undetermined	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
controllerPreservedCache	1.3.6.1.4.1.674.10893.1.20.130.1.1.69	INTEGER	1- Yes, 0 - No, 99 - Not Available / Not applicable	controllerPreservedCache	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.69	BooleanType	0 = FALSE, 1 = TRUE	

Table 34.   physicalDevices/enclosureTable

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.1	INTEGER		enclosureNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1	INTEGER		
enclosureName	1.3.6.1.4.1.674.10893.1.20.130.3.1.2	DisplayString		enclosureName	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.2	DisplayString		The name strings may not be exactly identical. Note: The name is constructed in the format: <Model Name> <Connected port> <enclosure position>.
enclosureVendor	1.3.6.1.4.1.674.10893.1.20.130.3.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureState	1.3.6.1.4.1.674.10893.1.20.130.3.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6)	enclosureState	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	
enclosureSeverity	1.3.6.1.4.1.674.10893.1.20.130.3.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	**physicalDevices**			**Group**	**physicalDevices**			
Table	**enclosureTable**			**Table**	**enclosureTable**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
enclosureID	1.3.6.1.4.1.674.10893.1.20.130.3.1.6	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the enclosureNumber instead.
enclosureProcessorVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.7	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureServiceTag	1.3.6.1.4.1.674.10893.1.20.130.3.1.8	DisplayString		enclosureServiceTag	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.8	DisplayString		
enclosureAssetTag	1.3.6.1.4.1.674.10893.1.20.130.3.1.9	DisplayString		enclosureAssetTag	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.9	DisplayString		
enclosureAssetName	1.3.6.1.4.1.674.10893.1.20.130.3.1.10	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureSplitBusPartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.11	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureProductID	1.3.6.1.4.1.674.10893.1.20.130.3.1.12	DisplayString		Not Available				Enclosure model name is available as part of *enclosureName* in iDRAC7
enclosureKernelVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.13	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureESM1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.14	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureESM2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.15	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureType	1.3.6.1.4.1.674.10893.1.20.130.3.1.16	INTEGER	internal(1), dELLPV200SPV201S(2), dELLPV210SPV211S(3), dELLPV220SPV221S(4), dELLPV660F(5),dELLPV224F(6),dELLPV660F224F(7), md1000(8), md1120(9), md1200(10), md1220(11)	Not Available				To determine whether it is a backplane (internal) or an enclosure (external), the 'enclosureFQDD' or 'enclosureDisplayName' can be used. Typically, the former contain the string "Internal" and latter "External".
enclosureProcessor2Version	1.3.6.1.4.1.674.10893.1.20.130.3.1.17	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureConfig	1.3.6.1.4.1.674.10893.1.20.130.3.1.18	INTEGER	joined(1), splitBus(2), clustered(3), unified(4)	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureChannelNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.19	INTEGER		enclosureConnectedPort	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.19	DisplayString		Note: The change in data type

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureAlarm	1.3.6.1.4.1.674.10893.1.20.130.3.1.20	INTEGER	disabled(1), enabled(2)	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureBackplanePartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.21	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureSCSIID	1.3.6.1.4.1.674.10893.1.20.130.3.1.22	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.3.1.23	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureRollUpStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.23	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
enclosureComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.3.1.24	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.24	ObjectStatusEnum	other(1), unknown(2), ok(3), onCritical(4), critical(5), nonRecoverable(6)	

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureNexusID	1.3.6.1.4.1.674.10893.1.20.130.3.1.25	DisplayString		Not Available				Use the *enclosureFQDD* in iDRAC7 to uniquely identify the enclosure.
enclosureFirmwareVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.26	DisplayString		enclosureFirmwareVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.26	DisplayString		
enclosureSCSIRate	1.3.6.1.4.1.674.10893.1.20.130.3.1.27	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosurePartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.28	DisplayString		Not Available				
enclosureSerialNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.29	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosureServiceTag* instead.
enclosureSASAddress	1.3.6.1.4.1.674.10893.1.20.130.3.1.30	DisplayString		enclosureSASAddress	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.30	DisplayString		
enclosureOccupiedSlotCount	1.3.6.1.4.1.674.10893.1.20.130.3.1.31	INTEGER		enclosureDriveCount	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.31	INTEGER		
enclosureTotalSlots	1.3.6.1.4.1.674.10893.1.20.130.3.1.32	INTEGER		enclosureTotalSlots	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.32	INTEGER		

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureEmptySlotCount	1.3.6.1.4.1.674.10893.1.20.130.3.1.33	INTEGER		Not Available				Attribute not explicitly reported in iDRAC7 agentless monitoring. This can be computed by the formula : 'enclosureTotalSlots' – 'enclosureDriveCount'
enclosureExpressServiceCode	1.3.6.1.4.1.674.10893.1.20.130.3.1.34	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.

Table 35.   OMSS physicalDevices/arrayDiskTable and iDRAC7 physicalDevices/physicalDiskTable

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskNumber	1.3.6.1.4.1.674.10893.1.20.130.4.1.1	INTEGER		physicalDiskNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1	INTEGER		
arrayDiskName	1.3.6.1.4.1.674.10893.1.20.130.4.1.2	DisplayString		physicalDiskName	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.2	DisplayString		The name strings may not be exactly identical.
arrayDiskVendor	1.3.6.1.4.1.674.10893.1.20.130.4.1.3	DisplayString		physicalDiskManufacturer	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.3	DisplayString		The attribute values may not be exactly identical
arrayDiskState	1.3.6.1.4.1.674.10893.1.20.130.4.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6), recovering(7), removed(11), non-raid(13), resynching(15), rebuild(24), noMedia(25), formatting(26), diagnostics(28), predictiveFailure(34), initializing(35), foreign(39),	physicalDiskState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.4	INTEGER	unknown(1), ready(2), online(3), foreign(4), offline(5), blocked(6), failed(7), non-raid(8), removed(9)	Note the minor changes in enumeration values. The *physicalDiskOperationalState* can also be used.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			clear(40), unsupported(41), incompatible(53)					
arrayDiskSeverity	1.3.6.1.4.1.674.10893.1.20.130.4.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
arrayDiskProductID	1.3.6.1.4.1.674.10893.1.20.130.4.1.6	DisplayString		physicalDiskProductID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.6	DisplayString		
arrayDiskSerialNo	1.3.6.1.4.1.674.10893.1.20.130.4.1.7	DisplayString		physicalDiskSerialNo	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.7	DisplayString		
arrayDiskRevision	1.3.6.1.4.1.674.10893.1.20.130.4.1.8	DisplayString		physicalDiskRevision	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.8	DisplayString		
arrayDiskEnclosureID	1.3.6.1.4.1.674.10893.1.20.130.4.1.9	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
arrayDiskChannel	1.3.6.1.4.1.674.10893.1.20.130.4.1.10	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskLength InMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.11	INTEGER		physicalDis kCapacityIn MB	1.3.6.1.4.1.674.10892.5.5.1.20.130. 4.1.11	INTEGER		
arrayDiskLength InBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.12	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskLargest ContiguousFree SpaceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.13	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskLargest ContiguousFree SpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.14	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskTargetI D	1.3.6.1.4.1.674.10893.1.20.130.4.1.15	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskLunID	1.3.6.1.4.1.674.10893.1.20.130.4.1.16	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskUsedS paceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.17	INTEGER		physicalDisk UsedSpaceIn MB	1.3.6.1.4.1.674.10892.5.5.1.20.130 .4.1.17	INTEGER		

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskUsedSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.18	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskFreeSpaceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.19	INTEGER		physicalDiskFreeSpaceInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.19	INTEGER		
arrayDiskFreeSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.20	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskBusType	1.3.6.1.4.1.674.10893.1.20.130.4.1.21	INTEGER	scsi(1), ide(2), fibre(3), ssa(4), usb(6), sata(7), sas(8), pcie(9)	physicalDiskBusType	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.21	INTEGER	unknown(1), scsi(2), sas(3), sata(4), fibre(5)	Note the minor change in enumeration values.
arrayDiskSpareState	1.3.6.1.4.1.674.10893.1.20.130.4.1.22	INTEGER	memberVD(1), globalHotSpare(3), dedicatedHotSpare(4), notASpare(5), notApplicable	physicalDiskSpareState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.22	INTEGER	notASpare(1), dedicatedHotSpare(2), globalHotSpare(3)	Note the minor change in enumeration values.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			(99)					
arrayDiskRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.23	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *physicalDiskComponentStatus* instead.
arrayDiskComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.24	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	physicalDiskComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.24	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
arrayDiskDeviceName	1.3.6.1.4.1.674.10893.1.20.130.4.1.25	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskNexusID	1.3.6.1.4.1.674.10893.1.20.130.4.1.26	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
arrayDiskPartNumber	1.3.6.1.4.1.674.10893.1.20.130.4.1.27	DisplayString		physicalDiskPartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.27	DisplayString		

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskSASAddress	1.3.6.1.4.1.674.10893.1.20.130.4.1.28	DisplayString		physicalDiskSASAddress	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.28	DisplayString		
arrayDiskNegotiatedSpeed	1.3.6.1.4.1.674.10893.1.20.130.4.1.29	INTEGER		physicalDiskNegotiatedSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.29	INTEGER	unknown(1), oneDotFiveGbps(2), threeGbps(3), sixGbps(4)	
arrayDiskCapableSpeed	1.3.6.1.4.1.674.10893.1.20.130.4.1.30	INTEGER		physicalDiskCapableSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.30	INTEGER	unknown(1), oneDotFiveGbps(2), threeGbps(3), sixGbps(4)	
arrayDiskSmartAlertIndication	1.3.6.1.4.1.674.10893.1.20.130.4.1.31	INTEGER	no(1), yes(2)	physicalDiskSmartAlertIndication	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.31	BooleanType	0 = FALSE, 1 = TRUE	Note the change in data type.
arrayDiskManufactureDay	1.3.6.1.4.1.674.10893.1.20.130.4.1.32	DisplayString		physicalDiskManufactureDay	.1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.32	DisplayString		A value of "0" indicates data not available.
arrayDiskManufactureWeek	1.3.6.1.4.1.674.10893.1.20.130.4.1.33	DisplayString		physicalDiskManufactureWeek	.1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.33	DisplayString		A value of "0" indicates data not available.
arrayDiskManufactureYear	1.3.6.1.4.1.674.10893.1.20.130.4.1.34	DisplayString		physicalDiskManufactureYear	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.34	DisplayString		A value of "0" indicates data not available.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskMedia Type	1.3.6.1.4.1.674.10893.1.20.130.4.1.35	INTEGER	unknown(1), hdd(2), ssd(3)	physicalDis kMediaTyp e	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.35	INTEGER	unknown(1), hdd(2), ssd(3)	
arrayDiskDellCer tified	1.3.6.1.4.1.674.10893.1.20.130.4.1.36	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskAltaVe ndorId	1.3.6.1.4.1.674.10893.1.20.130.4.1.37	DisplayStri ng		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskAltaPr oductId	1.3.6.1.4.1.674.10893.1.20.130.4.1.38	DisplayStri ng		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskAltaRe visionId	1.3.6.1.4.1.674.10893.1.20.130.4.1.39	DisplayStri ng		Not Available				Attribute not reported in iDRAC7 agentless monitoring.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskEncryptionCapable	1.3.6.1.4.1.674.10893.1.20.130.4.1.40	INTEGER	1 - Capable, 0 - Not Capable, 99 - Not Applicable	physicalDiskSecurityStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.52	INTEGER	other(1), notSupported(2), secured(3), locked(4), foreign(5)	The security status values have been re-grouped in iDRAC7 monitoring under a single attribute – *physicalDiskSecurityStatus*. A value of other(1) could indicate the device is not security capable.
arrayDiskEncrypted	1.3.6.1.4.1.674.10893.1.20.130.4.1.41	INTEGER	1 - Yes, 0 - No, 99 - Not Applicable	Not Available				The security status values have been re-grouped in iDRAC7 monitoring under a single attribute – *physicalDiskSecurityStatus.* A value of other(1) could indicate the device is not security capable
arrayDiskPowerState	1.3.6.1.4.1.674.10893.1.20.130.4.1.42	INTEGER	0 - Spun up, 1- Spun down, 255 - Transition	physicalDiskPowerState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.42	INTEGER	other(1), spunUp(2), spunDown(3), transition(4)	Note the change in enumeration values.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskDrive WriteCache	1.3.6.1.4.1.674.10893.1.20.130.4.1.43	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermine d/Not Applicable	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskModel Number	1.3.6.1.4.1.674.10893.1.20.130.4.1.44	DisplayStri ng	0..100, 999 - Undetermine d/Not Applicable	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskLifeRe maining	1.3.6.1.4.1.674.10893.1.20.130.4.1.45	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskDriver Version	1.3.6.1.4.1.674.10893.1.20.130.4.1.46	DisplayStri ng		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
arrayDiskDevice LifeStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.47	INTEGER	-1: Not Available / Not Applicable 1: Drive Health Good 2: Approaching Warranty Coverage Expiry 3: Warranty	Not Available				Attribute not reported in iDRAC7 agentless monitoring.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			Coverage Expired 4: Approaching Read Only 5: Read Only"					

Table 36.   OMSS physicalDevices/fanTable and iDRAC7 physicalDevices/encloseFanTable

OMSS				iDRAC7				Comments
Group	**physicalDevices**			**Group**	**physicalDevices**			
Table	**fanTable**			**Table**	**enclosureFanTable**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
fanNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.1	DisplayString		enclosureFan Number	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.1	INTEGER		Note the change in data type
fanName	1.3.6.1.4.1.674.10893.1.20.130.7.1.2	DisplayString		enclosureFan Name	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.2	DisplaySt ring		
fanVendor	1.3.6.1.4.1.674.10893.1.20.130.7.1.3	DisplayString			Not Available			Attribute not reported in iDRAC7 agentless monitoring.
fanState	1.3.6.1.4.1.674.10893.1.20.130.7.1.4	DisplayString	ready(1), failed(2), degraded(6), removed(11), missing(21)	enclosureFan State	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in data type and enumeration values.
fanSeverity	1.3.6.1.4.1.674.10893.1.20.130.7.1.5	DisplayString	warning(1), error(2), failure(3)		Not Applicable			Obsolete in OMSS.
fanProbeUnit	1.3.6.1.4.1.674.10893.1.20.130.7.1.6	DisplayString			Not Applicable			Obsolete in OMSS.
fanProbeMinWa rning	1.3.6.1.4.1.674.10893.1.20.130.7.1.7	DisplayString			Not Applicable			Obsolete in OMSS.
fanProbeMinCrit ical	1.3.6.1.4.1.674.10893.1.20.130.7.1.8	DisplayString			Not Applicable			Obsolete in OMSS.
fanProbeMaxW arning	1.3.6.1.4.1.674.10893.1.20.130.7.1.9	DellStatus			Not Applicable			Obsolete in OMSS.
fanProbeMaxCri tical	1.3.6.1.4.1.674.10893.1.20.130.7.1.10	DellStatus			Not Applicable			Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	fanTable			Table	enclosureFanTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
fanProbeCurrValue	1.3.6.1.4.1.674.10893.1.20.130.7.1.11	DisplayString		enclosureFanSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.11	INTEGER	Unknown(1), stopped(2), slow(3), medium(4), fast(5)	Note the change in data type
fan1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.12	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosurePowerSupplyPartNumber* instead.
fan2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.13			Not Applicable				Obsolete in OMSS.
fanRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.7.1.14		1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosureFanComponentStatus* instead.
fanComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.7.1.15		1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable"	enclosureFanComponentStatus		ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	fanTable			Table	enclosureFanTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
fanNexusID	1.3.6.1.4.1.674.10893.1.20.130.7.1.16				Not Available			Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
fanRevision	1.3.6.1.4.1.674.10893.1.20.130.7.1.17				Not Available			Attribute not reported in iDRAC7 agentless monitoring.

Table 37.   OMSS physicalDevices/powerSupplyTable and iDRAC7 physicalDevices/enclosurePowerSupplyTable

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	powerSupplyTable			Table	enclosurePowerSupplyTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
powerSupplyNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.1	INTEGER		enclosurePowerSupplyNumber	.1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.1	INTEGER		
powerSupplyName	1.3.6.1.4.1.674.10893.1.20.130.9.1.2	DisplayString		enclosurePowerSupplyName	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.2.2	DisplayString		
powerSupplyVendor	1.3.6.1.4.1.674.10893.1.20.130.9.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
powerSupplyState	1.3.6.1.4.1.674.10893.1.20.130.9.1.4	INTEGER	ready(1), failed(2),notInstalled(5), degraded(6), removed(11), missing(21)	enclosurePowerSupplyState	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
powerSupplySeverity	1.3.6.1.4.1.674.10893.1.20.130.9.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
powerSupply1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.6	DisplayString		enclosurePowerSupplyPartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.7	DisplayString		Note the change in attribute OID..
powerSupply2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.7	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	powerSupplyTable			Table	enclosurePowerSupplyTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
powerSupplyRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.9.1.8	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosurePowerSupplyComponentStatus* instead.
powerSupplyComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.9.1.9	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosurePowerSupplyComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.9	ObjectStatusEnum	other(1), nknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
powerSupplyNexusID	1.3.6.1.4.1.674.10893.1.20.130.9.1.10	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
powerSupplyRevision	1.3.6.1.4.1.674.10893.1.20.130.9.1.11	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.

Table 38. OMSS physicalDevices/temperatureProbeTable and iDRAC7 physicalDevices/enclosureTemperatureProbeTable

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
temperatureProbeNumber	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.1	INTEGER		enclosureTemperatureProbeNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130 .11.1.1	INTEGER		
temperatureProbeName	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.2	DisplayString		enclosureTemperatureProbeName	1.3.6.1.4.1.674.10892.5.5.1.20.130 .11.1.2	DisplayString		
temperatureProbeVendor	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
temperatureProbeState	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.4	INTEGER	ready(1), failed(2), offline(4), degraded(6), inactive(9), missing(21)	enclosureTemperatureProbeState	1.3.6.1.4.1.674.10892.5.5.1.20.130 .11.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
temperatureProbeSeverity	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
temperatureProbeUnit	1.3.6.1.4.1.674.10893.1.20.130.1 1.1.6	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. The temperatures in this table are reported in degree Celsius.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
temperatureProbeMinWarning	1.3.6.1.4.1.674.10893.1.20.130.11.1.7	INTEGER		enclosureTemperatureProbeMinWarningValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.7	INTEGER		
temperatureProbeMinCritical	1.3.6.1.4.1.674.10893.1.20.130.11.1.8	INTEGER		enclosureTemperatureProbeMinCriticalValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.8	INTEGER		
temperatureProbeMaxWarning	1.3.6.1.4.1.674.10893.1.20.130.11.1.9	INTEGER		enclosureTemperatureProbeMaxWarningValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.9	INTEGER		
temperatureProbeMaxCritical	1.3.6.1.4.1.674.10893.1.20.130.11.1.10	INTEGER		enclosureTemperatureProbeMaxCriticalValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.10	INTEGER		
temperatureProbeCurValue	1.3.6.1.4.1.674.10893.1.20.130.11.1.11	INTEGER		enclosureTemperatureProbeCurValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.11	INTEGER		
temperatureProbeRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.11.1.12	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosureTemperatureProbeComponentStatus* instead.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
temperatureProbeComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.11.1.13	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureTemperatureProbeComponentStatus	.1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.13	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
temperatureProbeNexusID	1.3.6.1.4.1.674.10893.1.20.130.11.1.14	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.

Table 39.   physicalDevices/enclosureManagementModuleTable

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleNumber	1.3.6.1.4.1.674.10893.1.20.130.13.1.1	INTEGER		enclosureManagementModuleNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.1	INTEGER		
enclosureManagementModuleName	1.3.6.1.4.1.674.10893.1.20.130.13.1.2	DisplayString		enclosureManagementModuleName	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.2	DisplayString		
enclosureManagementModuleVendor	1.3.6.1.4.1.674.10893.1.20.130.13.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureManagementModuleState	1.3.6.1.4.1.674.10893.1.20.130.13.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), notInstalled(5), degraded(6), missing(21)	enclosureManagementModuleState	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
enclosureManagementModuleSeverity	1.3.6.1.4.1.674.10893.1.20.130.13.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
enclosureManagementModulePartNumber	1.3.6.1.4.1.674.10893.1.20.130.13.1.6	DisplayString		enclosureManagementModulePartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.6	DisplayString		

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleType	1.3.6.1.4.1.674.10893.1.20.130.13.1.7	INTEGER	eMM(1), terminationCard(2)	Not Available				Only the device type. Enclosure Management Module (EMM) is supported in iDRAC7 agentless monitoring.
enclosureManagementModuleFWVersion	1.3.6.1.4.1.674.10893.1.20.130.13.1.8	DisplayString		enclosureManagementModuleFWVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.8	DisplayString		
enclosureManagementModuleMaxSpeed	1.3.6.1.4.1.674.10893.1.20.130.13.1.9	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
enclosureManagementModuleRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.13.1.10	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *enclosureManagementModuleComponentStatus* instead.
enclosureManagementModuleComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.13.1.11	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureManagementModuleComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.11	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleNexusID	1.3.6.1.4.1.674.10893.1.20.130.13.1.12	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
enclosureManagementModuleRevision	1.3.6.1.4.1.674.10893.1.20.130.13.1.13	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.

Table 40.   physicalDevices/batteryTable

OMSS				iDRAC7				Comments
Group	**physicalDevices**			**Group**	**physicalDevices**			
Table	**batteryTable**			**Table**	**batteryTable**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
batteryNumber	1.3.6.1.4.1.674.10893.1.20.130.15.1.1	INTEGER		batteryNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.1	INTEGER		
batteryName	1.3.6.1.4.1.674.10893.1.20.130.15.1.2	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryVendor	1.3.6.1.4.1.674.10893.1.20.130.15.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryState	1.3.6.1.4.1.674.10893.1.20.130.15.1.4	INTEGER	ready(1), failed(2), degraded(6),reconditioning(7), high(9), low(10), charging(12), missing(21), learning(36)	batteryState	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.4	INTEGER	unknown(1), ready(2), failed(3), degraded(4), missing(5), charging(6), belowThreshold(7)	Note the minor changes in enumeration values.
batteryRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.15.1.5	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use the *batteryComponentStatus* instead.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	batteryTable			Table	batteryTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
batteryComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.15.1.6	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	batteryComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.6	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
batteryChargeCount	1.3.6.1.4.1.674.10893.1.20.130.15.1.7	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryMaxChargeCount	1.3.6.1.4.1.674.10893.1.20.130.15.1.8	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryNexusID	1.3.6.1.4.1.674.10893.1.20.130.15.1.9	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
batteryPredictedCapacity	1.3.6.1.4.1.674.10893.1.20.130.15.1.10	INTEGER	failed(1), ready(2), unknown(4)	batteryPredictedCapacity	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.10	INTEGER	unknown(1), failed(2), ready(3)	Note: This is deprecated and will be removed in a future release.
batteryNextLearnTime	1.3.6.1.4.1.674.10893.1.20.130.15.1.11	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	batteryTable			Table	batteryTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
batteryLearnState	1.3.6.1.4.1.674.10893.1.20.130.15.1.12	INTEGER	failed(1), active(2), timedOut(4), requested(8), idle(16), due(32)	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryID	1.3.6.1.4.1.674.10893.1.20.130.15.1.13	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use *batteryFQDD* for uniqueness.
batteryMaxLearnDelay	1.3.6.1.4.1.674.10893.1.20.130.15.1.14	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
batteryLearnMode	1.3.6.1.4.1.674.10893.1.20.130.15.1.15	INTEGER	auto(1), warn(2), autowarn(4), unknown(8)	Not Available				Attribute not reported in iDRAC7 agentless monitoring.

Table 41.   OMSS logicalDevices/virtualDiskTable and iDRAC7 physicalDevices/virtualDiskTable.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskNumber	1.3.6.1.4.1.674.10893.1.20.140.1.1.1	INTEGER		virtualDiskNumber	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.1	INTEGER		
virtualDiskName	1.3.6.1.4.1.674.10893.1.20.140.1.1.2	DisplayString		virtualDiskName	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.2	DisplayString		
virtualDiskDeviceName	1.3.6.1.4.1.674.10893.1.20.140.1.1.3	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring.
virtualDiskState	1.3.6.1.4.1.674.10893.1.20.140.1.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6), verifying(7), resynching(15),regenerating(16),failedRedundancy(18), rebuilding(24), formatting(26),reconstructing(32),initializing(35),backgroundInit(36), permanentlyDegraded(52)	virtualDiskState	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.4	INTEGER	unknown(1), online(2), failed(3), degraded(4)	Note the minor changes in enumeration values. The *virtualDiskOperationalState* can also be used.
virtualDiskSeverity	1.3.6.1.4.1.674.10893.1.20.140.1.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskLengthInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.6	INTEGER		virtualDiskSizeInMB	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.6	INTEGER		
virtualDiskLengthInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.7	INTEGER		Not Available				Attribute not reported in iDRAC7 agentless monitoring. The virtual disk sizes are typically in multiples of MBs.
virtualDiskFreeSpaceInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.8	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskFreeSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.9	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskWritePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.10	INTEGER	enabled(1), disabled(2), writeBack(3), writeThrough(4),enabledAlways(5),enabledAlwaysSAS(6),notApplicable(9)	virtualDiskWritePolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.10	INTEGER	writeThrough(1), writeBack(2), writeBackForce(3)	Note the minor changes in enumeration values.
virtualDiskReadPolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.11	INTEGER	enabled(1), disabled(2), readAhead(3), adaptiveReadAhead(4),noReadAhead(5), notApplicable(9)	virtualDiskReadPolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.11	INTEGER	noReadAhead(1), readAhead(2), adaptiveReadAhead(3)	Note the minor changes in enumeration values.

OMSS				iDRAC7				Comments
Group	**physicalDevices**			**Group**	**physicalDevices**			
Table	**virtualDiskTable**			**Table**	**virtualDiskTable**			
Attribute Name	**OID**	**Data Type**	**Possible values**	**Attribute Name**	**OID**	**Data Type**	**Possible Values**	
virtualDiskCachePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.12	INTEGER	directIO(1), cachedIO(2), not-applicable(99)	Not Available				Attribute not reported in iDRAC7 agentless monitoring.
virtualDiskLayout	1.3.6.1.4.1.674.10893.1.20.140.1.1.13	INTEGER	concatenated(1), raid-0(2), raid-1(3), raid-2(4), raid-3(5), raid-4(6), raid-5(7), raid-6(8), raid-7(9), raid-10(10), raid-30(11), raid-50(12), addSpares(13), deleteLogical(14),transformLogical(15), raid-0-plus-1(18), concatRaid-1(19), concatRaid-5(20), noRaid(21), volume(22), raidMorph(23),	virtualDiskLayout	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.13	INTEGER	other(1), r0(2), r1(3), r5(4), r6(5), r10(6), r50(7), r60(8), concatRaid-1(9), concatRaid-5(10)	Note the minor changes in enumeration values.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			raid-60(24), cacheCade(25)					
virtualDiskCurStripeSizeInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.14	INTEGER		virtualDiskStripeSize	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.14	INTEGER	other(1), default(2), fiveHundredAndTwelvebytes(3), oneKilobytes(4), twoKilobytes(5), fourKilobytes(6), eightKilobytes(7), sixteenKilobytes(8), thirtyTwoKilobytes(9), sixtyFourKilobytes(10), oneTwentyEightKilobytes(11), twoFiftySixKilobytes(12), fiveOneTwoKilobytes(13), oneMegab	Note the minor changes in enumeration values. In iDRAC7 monitoring, the *virtualDiskCurStripeSizeInMB* and *virtualDiskCurStripeSizeInBytes* (of OMSS) are grouped under *virtualDiskStripeSize*.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
							ye(14), twoMegabytes(15), fourMegabytes(16), eightMegabytes(17), sixteenMegabytes(18)	
virtualDiskCurStripeSizeInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.15	INTEGER		Not Available				Refer to *virtualDiskStripeSize* of iDRAC.
virtualDiskChannel	1.3.6.1.4.1.674.10893.1.20.140.1.1.16	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskTargetID	1.3.6.1.4.1.674.10893.1.20.140.1.1.17	INTEGER		Not Available				Use *virtualDiskFQDD* instead.
virtualDiskLunID	1.3.6.1.4.1.674.10893.1.20.140.1.1.18	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskRollUpStatus	1.3.6.1.4.1.674.10893.1.20.140.1.1.19	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC7 agentless monitoring. Use *virtualDiskComponentStatus* instead.

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskComponentStatus	1.3.6.1.4.1.674.10893.1.20.140.1.1.20	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	virtualDiskComponentStatus	.1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.20	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
virtualDiskNexusID	1.3.6.1.4.1.674.10893.1.20.140.1.1.21	DisplayString		Not Available				Attribute not reported in iDRAC7 agentless monitoring. Refer to the FQDD usage hints for more information.
virtualDiskArrayDiskType	1.3.6.1.4.1.674.10893.1.20.140.1.1.22	INTEGER	sas(1), sata(2), scsi(3), ide(4), unknown(99)	virtualDiskAvailableProtocols	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.32	DisplayString		Note the change in attribute OID and data type.
virtualDiskBadBlocksDetected	1.3.6.1.4.1.674.10893.1.20.140.1.1.23	INTEGER	0 - No, 1 - Yes, 2 - Not Applicable, 99 - Unknown	virtualDiskBadBlocksDetected	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.23	BooleanType	0 = FALSE, 1 = TRUE	Not the change in data type
virtualDiskEncrypted	1.3.6.1.4.1.674.10893.1.20.140.1.1.24	INTEGER	0 - No, 1 - Yes, 99 - Unknown	virtualDiskSecured	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.24	BooleanType	0 = FALSE, 1 = TRUE	Note the change in data type

OMSS				iDRAC7				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskIsCacheCade	1.3.6.1.4.1.674.10893.1.20.140.1.1.25	INTEGER	1 - Yes, 0 - No, 99 - Undetermined	virtualDiskIsCacheCade	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.25	BooleanType	0 = FALSE, 1 = TRUE	Note the change in data type
virtualDiskDiskCachePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.26	INTEGER	1 - Enabled, 2 - Disabled, 99 - Undetermined	virtualDiskDiskCachePolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.26	INTEGER	enabled(1), disabled(2), defullt(3)	Note minor changes in enumeration values.

Additional SNMP data supported by iDRAC7

For completeness (in discussing all of the SNMP data supported by iDRAC7), this section identifies some additional SNMP data that is available using iDRAC7 that does not, at least directly, align with data that is supported by tables in either the OMSA MIB or OMSS MIB.

The following two groups of data are supported in iDRAC7 in addition to the tables now supported:

1.3.6.1.4.1.674.10892.5.1	informationGroup
1.3.6.1.4.1.674.10892.5.2	statusGroup

These two groups were supported as of the initial release of iDRAC7 (v1.0.0); whereas all of the SNMP tables that mimic the tables supported by the OMSA and OMSS MIBs were added as of the iDRAC7 release that corresponds to OM 7.2 (iDRAC7 release v1.30.30).

In addition, most of the data supplied by these two groups is found within the various server/system tables. These two groups are effectively an alternate way to get at a subset of the data provided by iDRAC7 via the tables, for those who are not migrating from the OMSA/OMSS MIBs, and only need basic information using SNMP from the iDRAC7.

Summary

As explained, you can see that consoles are able to retrieve inventory data from iDRAC7, which is more or less on par with the host based OM agent. Additionally, for consoles targeting to migrate from OpenManage to iDRAC7, with the help of the comparative data presented in this paper, the overall transition effort is simplified.

References

- Agent-free monitoring whitepaper:

  http://en.community.dell.com/techcenter/extras/m/white_papers/20074755.aspx

- OMSA/OMSS version 7.1 MIB files:

  Use this link to download a zip file name DCMIB71.zip. The zip file contains the set of Dell MIB files for OpenManage 7.1.

  http://www.dell.com/support/drivers/us/en/555/DriverDetails?driverId=0NCVJ

  The OpenManage 7.1 MIB files for OMSA and OMSS are, respectively:

  10892.mib and dcstorag.mib

- IDRAC7 firmware release v1.30.30 MIB file:

  Use this link to download a zip file name DCMIB72.zip. The zip file contains the set of Dell MIB files for OpenManage 7.2.

  http://www.dell.com/support/drivers/us/en/04/DriverDetails/Product/poweredge-r720?driverId=8517G&osCode=WS8R2&fileId=3100482123

  The SMIv1 and SMIv2 versions of the iDRAC7 MIB (v2.0) for OM 7.2 (for example: iDRAC7 firmware release v1.30.30) are respectively:

    iDRAC-SMIv1.mib

    iDRAC-SMIv2.mib

- Dell OpenManage product suite wiki:

  http://en.community.dell.com/techcenter/systems-management/w/wiki/1757.dell-openmanage-systems-management-tools.aspx

- Getting information from iDRAC7 using SNMPv3:

  http://en.community.dell.com/techcenter/extras/m/white_papers/20249888.aspx

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