OpenManage Portfolio Software Licensing Guide

This guide provides licensing guidance for the full portfolio of OpenManage solutions including iDRAC, OpenManage Enterprise console, and additional systems management solutions.

October 2023

Revisions

Date	Description
September 2020	Initial release
October 2021	updated release
December 2021	Edits to iDRAC skus
February 2022	General edits and updates
April 2022	General edits and updates
August 2022	General edits and updates
May 2023	General edits and 16th Generation PowerEdge updates
June 2023	Edits to SEKM skus
October 2023	OME Advance+, OMIVV, OMEVV, and General edits and updates

Contents

1   Introduction

This guide provides a basic overview of the OpenManage portfolio, and the upgrade options and skus.

These licenses apply to multiple generations of PowerEdge Servers. *For a link that explains PowerEdge Server generations, see the Resources section at the end of this paper.*

Some licenses are applied directly to the iDRAC. Other licenses are "controlled" by the iDRAC but are not considered as an "iDRAC license."

Licenses that are covered are:

- Server Element Managers
  - iDRAC
  - Secured Component Verification
  - Secure Enterprise Key Manager
  - OpenManage Enterprise Modular
- Dell Consoles
  - OpenManage Enterprise
  - CloudIQ for PowerEdge
- Third Party Integrations
  - OpenManage Integration for Microsoft System Center
  - OpenManage Integration with Microsoft Windows Admin Center
  - OpenManage Integration for VMware vCenter
  - OpenManage Integration for ServiceNow

2 Server Element managers

This section covers:

- iDRAC
- Secured Component Verification (SCV)
- Secure Enterprise Key Manager (SEKM)
- OpenManage Enterprise Modular (OMEM)

The iDRAC license levels are not tied or related to the other licenses.

2.1 iDRAC

The integrated Dell Remote Access Controller (iDRAC) delivers advanced, agent-free, local, and remote server administration. The iDRAC provides a secure means to automate a multitude of management tasks. Given that iDRAC is embedded in every PowerEdge server, there is no additional software to install. Once iDRAC has been enabled, you have a complete set of server management features.

iDRAC9 licenses are linked to a specific generation of PowerEdge server. They cannot be installed or transferred to a different generation server from the server for which they were purchased. Attempting to import a license that is purchased for a different generation of server fails.

iDRAC Licensing - overview

iDRAC Basic	iDRAC Express	iDRAC Enterprise	iDRAC Datacenter
Standard on 100-500 series rack/tower servers	Standard on 600+ rack/tower servers, FC640 for FX, MX740c, and MX840c for MX7000 Chassis Upgrade option on 200-500 rack/ tower servers	Upgrade option for all servers	Upgrade option for all servers
Basic instrumentation with iDRAC web UI and API support including Redfish conformance	Expanded remote management and server life cycle features	Remote presence features with advanced, Enterprise class, management capabilities	Extended remote insight into server details. Focused on high end server options and advanced features such as real-time telemetry streaming, scalable security automation, and more customized power and thermal management.
TARGET: Cost conscious customers that see limited value in management.	TARGET: Cost conscious customers with slightly higher hardware compute needs.	TARGET: Customers who require full remote capabilities.	TARGET: Customers who are focused on hardware performance analytics and granular power and thermal management

iDRAC Licensing – detailed view

Basic License	Express	Enterprise	Datacenter
UIs: HTML5 Web UI, Redfish, WS-Man, IPMI 2.0, DCMI 1.5, RACADM, SSH, Serial Console Redirection **Connectivity:** Shared LOM, Dedicated NIC, VLAN, IPv4/6, DHCP, Static IP, Dynamic DNS, iDRAC Direct USB port, Connection View, NFS v4 **Security:** silicon root of trust, authenticated BIOS and DRAC booting, signed firmware updates, RBAC, local users, SSL/TLS encryption, FIPS, Common Criteria, UEFI Secure BOOT, secure default password (random), Custom security login banner **Remote Presence:** Power control, Boot control, Serial Over Lan (SOL)	NTP IP blocking Auto-Discovery SKU GPU Inventory and Monitoring SFP+ Optical I/O Inventory and Monitoring	Zero Touch/ Auto Config Auto Update/sync with repository	**Granular Insight and Control** Telemetry Streaming **-** Streaming over Redfish SSE, or Redfish Subscription Serial data log SMART logs for storage drives Idle Server Detection
Power and Thermal: Real-time power meter, temperature monitoring, customized exhaust temperature **Health Monitoring:** Full agent-free monitoring, predictive failures (including drive Smart Alerts), SNMPv1/2/3, Fans, PSUs, Memory, CPU, RAID, NIC, Direct attach storage enclosures, SSD wear levels **Firmware Update:** remote agent-free updates, embedded update tools (F10/iDRAC UI) **Deployment:** local configuration by F10 LC UI, remote operating system deployment, BIOS and RAID configuration pages, remote server configuration, import/export Server Configuration Profile (SCP), operating system driver pack,	PKI Authentication	Directory Services (AD/LDAP) 2-factor authentication (2FA) Single Sign-on (SSO) System Lockdown mode Simple 2-Factor Authentication IP Range filtering – up to 5	**Enhanced Security** BIOS Live Scanning for malicious firmware Automatic SSL Certificate Enrollment RSA SecurID 2FA

system inventory, system erase for server retirement/repurposing **Diagnostics, Service, and Logging:** SEL and Lifecycle Controller logs, diagnostic tools, server configuration restore, Easy Restore after motherboard replacement, health status LEDs, LCD on bezel optional, iDRAC Direct service port, Remote and local iDRAC reset, Virtual NMI, operating system watchdog, SupportAssist Collection report, direct SupportAssist registration, work notes, license mgmt.	Power Thresholds and alerts Real-time power graphing Historical power counters Temperature graphing	Virtual Media and Folders Remote File Share Virtual Console with HTML5 or VNC Quality bandwidth control	**Thermal Manage** Features PCIe airflow customization (LFM) Custom Exhaust Control Custom Delta-T control
UI Enhancements: 'search' box for easier navigation, Job Queue overview, and collapsed accordion style for faster page loading. Streamlined Storage configuration.		Collaboration (up to 6 users) Virtual Console chat	System Airflow Consumption Custom PCIe inlet temperature
		Virtual clipboard	
	Email Alerting	Group Manager 250 node support	
	Part Replacement	OOB Performance Monitoring	
		Remote Syslog for alerts	
	Remote operating system Deployment with SCP	Power Capping and OpenManage Power Manager Integration	
		Server Configuration Backup	
	Crash Screen Capture	Crash Screen Video (Agent-free for Windows Server operating system)	
		Boot Capture	

iDRAC9 16th Generation PowerEdge - Point of Sale (POS) and After Point of Sales (APOS) SKUs

The following SKUs are for iDRAC9 in 16th Generation servers.

SKU	SKU Description	Price	Comments
PowerEdge POS - 100-500 series rack/tower			
TBD	iDRAC9 Basic – 16G	FREE	Default only on 100-500 rack/tower
528-CITJ	iDRAC9 Express – 16G	$249	100-500 Rack/Tower (upgrade option), 600+ Rack/Tower (standard)
528-CTIC	iDRAC9 Enterprise – 16G	$489	All servers (upgrade option)
528-CTID	iDRAC9 Datacenter – 16G	$689	All servers (Upgrade option)
PowerEdge POS – 600 + rack/tower			
528-CITJ	iDRAC9 Express – 16G	FREE	Default option on 600+ rack/tower
528-CTIC	iDRAC9 Enterprise – 16G	$489	All servers (upgrade option)
528-CTID	iDRAC9 Datacenter – 16G	$689	All servers (upgrade option)
PowerEdge APOS – All 16G Servers			
528-CTIE	iDRAC9 Enterprise APOS – 16G	$489	For ALL platforms, including workstation
528-CTIF	iDRAC9 Datacenter APOS – 16G	$689	For ALL platforms, including workstation

iDRAC9 15th Generation PowerEdge - Point of Sale (POS) and After Point of Sales (APOS) SKUs

The following SKUs are for iDRAC9 in 15th Generation servers.

NOTE**: x5 means 15G**. It does not mean "5 pack".

SKU	SKU Description	Price	Comments
PowerEdge POS - 100-500 series rack/tower			
385-BBRB	iDRAC9 Basic (x5 = 15G)	FREE	Default only on 100-500 rack/tower
385-BBQV	iDRAC9 Express (x5 = 15G)	$249	100-500 Rack/Tower (upgrade option), 600+ Rack/Tower (standard)
385-BBOT	iDRAC9 Enterprise (x5 = 15G)	$489	All servers (upgrade option)
528-CRVW	iDRAC9 Datacenter (x5 = 15G)	$689	All servers (Upgrade option)

	PowerEdge POS – 600 + rack/tower		
385-BBOU	iDRAC9 Express (x5 = 15G)	FREE	Default option on 600+ rack/tower
385-BBOT	iDRAC9 Enterprise (x5 = 15G)	$489	All servers (upgrade option)
528-CRVW	iDRAC9 Datacenter (x5 = 15G)	$689	All servers (upgrade option)
	PowerEdge APOS – All 15G Servers		
385-BBPP	iDRAC9 Enterprise APOS (x5 = 15G)	$489	For ALL platforms
528-CHZI	iDRAC9 Datacenter APOS (x5 = 15G)	$689	For ALL platforms

iDRAC9 14th Generation PowerEdge - Point of Sale (POS) and After Point of Sales (APOS) SKUs

The following SKUs are for iDRAC9 in 14th Generation servers.

SKU	SKU Description	Price	Comments
	PowerEdge POS - 100-500 series rack/tower		
385-BBLD	iDRAC9 Basic - 14G	FREE	Default only on 100-500 rack/tower
385-BBLC	iDRAC9 Express - 14G	$249	100-500 Rack/Tower (upgrade option), 600+ Rack/Tower (standard) FC640 for FX, MX740c, MX840c for MX7000 Chassis
385-BBKT	iDRAC9 Enterprise - 14G	$489	All servers (upgrade option)
528-CIBI	iDRAC9 Datacenter - 14G	$689	Upgrade to Datacenter
	PowerEdge POS – 600 + rack/tower, FC/MX series		
385-BBKS	iDRAC9 Express – 14G	FREE	100-500 Rack/Tower (upgrade option), 600+ Rack/Tower (standard) FC640 for FX, MX740c, MX840c for MX7000 Chassis
385-BBKT	iDRAC9 Enterprise – 14G	$489	All servers (upgrade option)
528-CIBI	iDRAC9 Datacenter – 14G	$689	Upgrade to Datacenter
	PowerEdge POS - M series Blades		
385-BBLO	iDRAC9 Express for Blades – 14G	FREE	M640 for M1000e blades and VRTX modules
385-BBKT	iDRAC9 Enterprise – 14G	$489	All servers (upgrade option)
528-CIBI	iDRAC9 Datacenter – 14G	$689	Upgrade to Datacenter
	PowerEdge APOS – All servers		
385-BBLB	iDRAC9 Express APOS – 14G	$249	Available only on 100-500 series rack/tower
385-BBKW	iDRAC9 Enterprise APOS – 14G	$489	For ALL platforms, including workstations

528-CIBH	iDRAC9 Datacenter APOS – 14G	$689	For ALL platforms, including workstations
	C6420 ONLY - POS		
385-BBKU	Baseboard Management Controller (BMC)	FREE	Default only on C6420
385-BBKX	iDRAC9 Enterprise – 14G	$489	All servers (upgrade option)
528-CIBI	iDRAC9 Datacenter – 14G	$689	All servers (upgrade option)

2.2   Secured Component Verification

Dell Technologies Secured Component Verification (SCV) ensures that PowerEdge servers are delivered and ready for deployment exactly as they were built by Dell manufacturing. This solution provides an extension to Dell's Secure Supply Chain assurance process.

Authenticate new PowerEdge servers quickly and securely:

- Deploy PowerEdge servers confidently with a component set that is delivered with an encrypted "as-built" certificate you can validate.
- Leverage existing server management workflows to incorporate SCV into your deployment processes.
- Align your server security standards with emerging industry guidelines to meet the most demanding requirements for secure IT infrastructure.
- NOTE:

SKU	SKU Description	Price
Secured Component Verification license		
528-COYU	Secured Component Verification license (POS)	$99

2.3   Secure Enterprise Key Manager

Secure Enterprise Key Manager helps to quickly secure data in your infrastructure. A standards-based Key Management Interoperability Protocol (KMIP) approach ensures that organizations meet data security needs. This helps reduce costs, learning curve, and consolidates keys for their internal monitoring. A scalable key manager, along with self-encrypting drives, helps deploy and monitor new encryption keys at scale, from one server to thousands of servers and drives, across the data center, including remote locations and even in the cloud. Know that your security policy with enterprise key management helps you meet security and privacy policies.

Secure Enterprise Key Manager solution components

iDRAC Enterprise or Datacenter license

Systems Management for PowerEdge Servers
- Add-on license with enhanced capabilities
- Prerequisite for iDRAC Secure Enterprise Key Manager license

iDRAC Secure Enterprise Key Manager (SEKM) license
- SEKM license is available both as Point-of-sale or After Point-of-sale option on supported servers
- Available on 18 PowerEdge platforms
- For the latest server support, contact Sales or access DellTechnologies.com/SEKM

Connector Node License

Entitlement to connect a node to Key Management Server (KMS)
- Enables detection by KMIP server
- Connects to select Gemalto/SafeNet KMIP servers

Key Management Server (KMS)

External key management and storage
- Manage thousands of servers
- Purpose-built appliances and VM versions available

Secure Enterprise Key Manager skus

NOTE – SEKM requires an iDRAC Enterprise or iDRAC Datacenter license.

SKU	SKU Description	Price
iDRAC Secure Enterprise Key Manager (SEKM) License		
634-BSRH	iDRAC Secure Enterprise Key Manager License (**POS**)	$249
634-BZIK	iDRAC Secure Enterprise Key Manager License, Customer Kit **(APOS)**	$249

Connector Node License (APOS)		
634- BTGV	Gemalto Connector v170 license w 3yr maintenance for x70 KMS, Customer kit	To be used in upstream Key Management Server by Gemalto/SafeNet connected to PowerEdge by iDRAC SEKM
634- BTGW	Gemalto Connector v170 license w 5yr maintenance for x70 KMS, Customer kit	To be used in upstream Key Management Server by Gemalto/SafeNet connected to PowerEdge by iDRAC SEKM
634- BTFJ	KMIP Connector for Gemalto/SafeNet Key Manager, perpetual license, 3-year maintenance, Customer Kit	To be used in upstream Key Management Server by Gemalto/SafeNet connected to PowerEdge by iDRAC SEKM (for K150)
634- BTFG	Gemalto/SafeNet Key Manager, perpetual license, 5-year maintenance, customer kit	To be used in upstream Key Management server by Gemalto/SafeNet connected to PowerEdge by iDRAC SEKM (for K150)

Server compatibility depends on how the server is configured and the controller used. See the SEKM technical deployment guide for the most up to date information. Below is as of April 2023.

Storage controller	SEKM support	Minimum firmware version required
PERC H755 Front	Yes	52.16.1-4074
PERC H755N Front	Yes	52.16.1-4074
PERC H755 Adapter	Yes	52.16.1-4074
PERC H740P Mini	Yes	51.13.2-3714
PERC H740P Adapter	Yes	51.13.2-3714
HBA 355i Adapter	Yes (supported on VxRail platforms only)	17.15.08.00
HBA 355i Front	Yes (supported on VxRail platforms only)	17.15.08.00

Servers that don't support SEKM include:
- Bladed servers (MX)
- C-series that don't support PERC H740 (e.g., C6940)
- XR2 for SAS because it still doesn't support PERC H740
- Any older server that doesn't support H740 or later PERC
- 14G 2xx, and 3xx servers

2.4 OpenManage Enterprise – Modular

The OpenManage Enterprise Modular Edition (OME-Modular) application runs on the PowerEdge M9002m management module in the MX7000 chassis. OME-Modular facilitates configuration and management of a stand-alone PowerEdge MX chassis or group of MX chassis using a single Graphical User Interface (UI). You can use OME-Modular to deploy servers and update firmware. You can also manage the overall health of the chassis and the chassis components such as compute sleds, network devices, input/output modules (IOMs), and storage devices.

Beginning with OME-M 1.30.00 there is an Advanced license option that enables:

- Chassis telemetry for power, thermal, and fans.
- OpenID Connect Provider for delegated authentication.
- Local RSA SecurID multifactor authentication (MFA).
- Automatic installation and renewal of TLS certificates.
- Common Access Card (CAC) and Personal Identity Verification (PIV) card MFA.

The telemetry that the Advanced license enables is complementary to the iDRAC Datacenter license. To get a complete set of telemetry information, you need the OME-M Advanced license for the chassis power/cooling and iDRAC Datacenter licenses for the compute sled telemetry.

Note: The Advanced license does not "propagate" to iDRAC or to other chassis in a Multi-Chassis Management Group. All chassis and compute sled iDRACs need a license to enable a complete set of telemetry information. With Multi-Factor Authentication (MFA) and Automatic Certificate Enrollment requiring licenses on all chassis in the group.

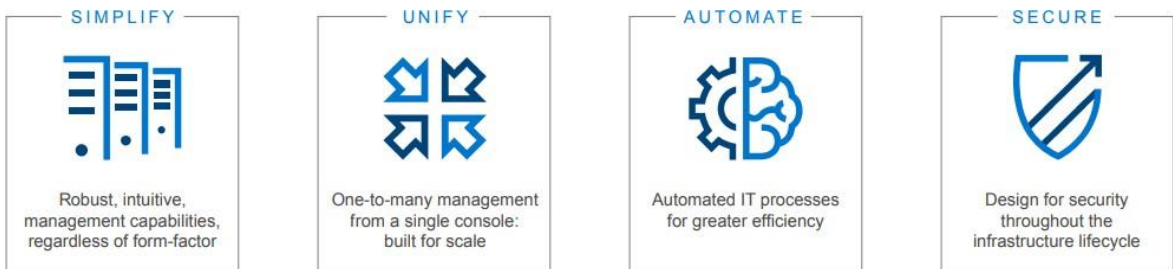| SKU	SKU Description	Price
379-BELJ	MX Management Module Enterprise License (same as no license)	$0
528-CRUV	MX Management Module Advanced License	$1,090
528-CRUW	MX Management Module Advanced License, Customer install (APOS)	$1,090

3 Dell Consoles

This section covers:

- OpenManage Enterprise.
- CloudIQ for PowerEdge.
- OpenManage Mobile.

3.1 OpenManage Enterprise

Dell OpenManage Enterprise is an intuitive infrastructure management console. It is designed to take the complexity out of IT infrastructure management. It delivers better results with less time and fewer steps. OpenManage Enterprise helps IT professionals balance time and energy between complex IT infrastructure and business goals.

SIMPLIFY	UNIFY	AUTOMATE	SECURE
Robust, intuitive, management capabilities, regardless of form-factor	One-to-many management from a single console: built for scale	Automated IT processes for greater efficiency	Design for security throughout the infrastructure lifecycle

License advantages:

- Perpetual licenses – purchase once for software lifetime.
- No additional support subscription required – OpenManage Enterprise support is attached to your PowerEdge ProSupport contract.
- License cost is the same regardless of form factors (rack, blade, or tower).
- Monitor and create alerts for 3rd party devices at no additional cost.

OpenManage Enterprise Licensing Options	
Base Version (no license fee)	**OME Advanced or Advanced+ License** (Perpetual, Non-transferable License; tied to iDRAC or node)
Delivered as part of the Dell value, it includes basic management and monitoring for PowerEdge Servers and 3rd party devices: **Product Composition** • Virtual appliance. • Agent-free management (by iDRAC). • Multihoming network. **Standard management** • Discovery and Inventory. • Server initiated discovery • Firmware update including baseline management with Update Manager Plugin. • In-band driver compliance and update. • Monitoring and Alerting. • REST API. • Automated, proactive issue detection and case creation by OME-Services plugin. • Predictive failure prevention by OME-Services plugin. **Reports** • Warranty reporting. • Custom reports. • Built-in reports. **Support For OpenManage Mobile**	**Features supported by _both_ OME Advanced+ and Advanced licenses:** All base features plus advanced Automation and Configuration capabilities for PowerEdge Servers: **Automation** • Bare-metal server deployment and cloning • Automated deployment: Deploy automatically with service tag or node IDs. • Configuration and drift detection: Create firmware and configuration baselines for compliance monitoring and enable automated updates on your schedule. • Enhanced modular management: Capture and edit chassis templates using the intuitive OpenManage Enterprise user interface. Support for Power Manager plugin • Power and thermal management: Monitor, alarm, and automatically perform rules-based remediation. **Configuration** • Monitor and remediate configuration compliance. • Virtual address management and stateless provisioning. • IOA provisioning and VLAN management. • MX platforms profile management. **Security** • Support for Dell's Internal Password Rotation feature.
	Features supported by **OME Advanced+ license:**
	Support for all partner plugins – • VMware vCenter plugin (OMEVV). • Microsoft System Center plugins. **Support for partner integration –** • ServiceNow integration. • Support for CyberArk Credential Provider.

OpenManage Enterprise Advanced+ SKUs and pricing

SKU	SKU Description	Price
	OpenManage Enterprise Advanced+ license (POS)	
528-CTZH	OpenManage Enterprise Advanced+ license (14G and above)	$499
	OpenManage Enterprise Advanced+ license (APOS)	
528-CTZD	OpenManage Enterprise Advanced+ license (13G)	$499
528-CTZF	OpenManage Enterprise Advanced+ license (14G and above)	$499
	OpenManage Enterprise Advanced to Advanced+ (Upgrade)	
528-CTZE	OpenManage Enterprise Advanced to Advanced+ license (13G)	$200
528-CTZI	OpenManage Enterprise Advanced to Advanced+ license (14G and above)	$200

OpenManage Enterprise Advanced skus and pricing

SKU	SKU Description	Price
	OpenManage Enterprise Advanced license (POS)	
528-BJEX	OpenManage Enterprise Advanced license (12/13G)	$299
528-BIYY	OpenManage Enterprise Advanced license (14G and above)	$299
	OpenManage Enterprise Advanced license (APOS)	
528-BJEW	OpenManage Enterprise Advanced license (12/13G)	$299
528-BIYX	OpenManage Enterprise Advanced license (14G and above)	$299

3.2   CloudIQ for PowerEdge

The CloudIQ application integrates data from all your OME consoles to monitor the health and cybersecurity of PowerEdge servers across all your locations. Intelligent insights help you proactively address risk and speed time to resolution of issues with Dell servers as well as storage, data protection, network, CI, and HCI systems.

- Health and cybersecurity scores and opt-in notification emails.
- Opt-in daily digest email.
- Performance monitoring and anomaly detection.
- REST API for integrating data with automation, ticketing, and other tools.
- Hardware alerts.
- Hardware and firmware inventory.
- Warranty status.

CloudIQ is included in Dell ProSupport and ProSupport Plus services at no additional cost.
Features and functionality depend on server generation, OpenManage licenses, and iDRAC as shown below:

iDRAC License Type	iDRAC Firmware	OME License Type	Supported Features		
			Inventory, Alerts, Health Cybersecurity	Basic Metrics[1]	Advanced Metrics[2]
Basic or Express	12G = iDRAC7 2.70 or higher	No license required	Yes	No	No
	13G = iDRAC8 2.75 or higher				
	14G = iDRAC9 3.34 to 4.40.00				
	14G/15G = iDRAC9 4.40.10 or higher				
	16G = iDRAC9 6.10.00 or higher				
Enterprise	12G = iDRAC7 2.70 or higher	No license required	Yes	Yes	No
	13G = iDRAC8 2.75 or higher				
	14G = iDRAC9 3.34 to 4.40.00				
	14G/15G = iDRAC9 4.40.10 or higher				
	16G = iDRAC9 6.10.00 or higher				
Basic, Express, or Enterprise	12G = iDRAC7 2.70 or higher	OME Advanced or OME Advanced+	Yes	Yes	No
	13G = iDRAC8 2.75 or higher				
	14G = iDRAC9 3.34 to 4.40.00				
	14G/15G = iDRAC9 4.40.10 or higher[3]				
	16G = iDRAC9 6.10.00 or higher				
Datacenter	14G/15G = iDRAC9 4.40.10 or higher 16G = iDRAC9 6.10.00 or higher	No license required	Yes	Yes	Yes

[1] 15G/16G Servers have different Basic Metrics for AMD or Intel:

- Intel Basic Metrics = Power, Thermals, CPU, IO, and Memory utilization.
- AMD Basic Metrics = Power, Thermals, CPU.

[2] Advanced Metrics = NIC, Fiber Channel, GPU, Storage.

[3] Basic Metrics by Redfish.

Other supported devices	Supported Features				
	Inventory	Health	Alerts	Basic Metrics	Advanced Metrics[2]
Windows, Linux, and ESXi Operating system for in-band device management	Yes	No	Yes	No	No

4   Third Party Integrations

Dell OpenManage Ecosystem Portfolio offers full-stack visibility and control. Dell OpenManage integrations include:

- OpenManage Integration with Microsoft Windows Admin Center.
- OpenManage Integration for VMware vCenter (End of Life).
- OpenManage Integration for ServiceNow.

In modern IT infrastructures, management visibility and control across the ecosystem is critical. Dell OpenManage systems management offerings help provide seamless management of PowerEdge servers and solutions on-premises and across your cloud infrastructures. Our ecosystem of solutions for Microsoft, VMware, RedHat Ansible and ServiceNow are designed to break down the information silos between vendors for full-stack management of your virtual and cloud infrastructures. Our solutions also provide customized scripting and deeper control of your environment. By enabling native access to the integrated Dell Remote Access Controller (iDRAC) and the OpenManage Enterprise console, OpenManage Integrations and APIs give you real-time access to OpenManage innovations directly from your selected management solution. The Dell OpenManage ecosystem of solutions enables industry-leading visibility and control across your infrastructure -- server, operating system, and hypervisor.

4.1   OpenManage Integration with Microsoft Windows Admin Center

The OpenManage Integration with Windows Admin Center is a native plug-in to the Microsoft Windows Admin Center application. This section discusses both the Base license and the Premium license.

How to download the Base license:

Windows Admin Center is built as an extensible platform allowing the install, uninstall, and update of individual extensions. The Dell OpenManage Integration extension can be installed from the Microsoft NuGet feed (requires Internet connectivity) or manually from a file share or local drive.

- Download through the Microsoft Azure DevOps Feed: https://dev.azure.com/WindowsAdminCenter/Windows%20Admin%20Center%20Feed/_packaging?_a=feed&feed=WAC
- Download from Dell Support site: https://www.dell.com/support/kbdoc//000177828

OpenManage Integration with Microsoft Admin Center – Premium license

There are two types of Premium licenses: one for PowerEdge Servers and Failover Clusters, one for Microsoft HCI Solutions (supporting Azure Stack HCI and Windows Server HCI solutions).

- Premium License enables value added, advanced lifecycle management including:
    - Cluster Aware Updating.
    - Microsoft HCI solutions-specific features.
    - Hybrid, Cluster specific features.
- Premium License for PowerEdge Servers with iDRAC9.
- Premium License for Microsoft HCI Solutions with iDRAC9.
    - AX nodes (licensed included in the Base solution).
    - Storage Spaces Direct Ready Node (upsell option) – POS, APOS.
- Licenses are perpetual.
- NOTE: 16G validation and official support is targeted for Q3 CY23.

Note: Licenses are unique based on the hardware platform. For example, Microsoft HCI Solutions and PE Premium license does not support mismatched licenses.

SKU	SKU Description	Comments	Price
N/A	OpenManage Integration with Microsoft Admin Center Base License	Managed nodes do not require licenses.	Free
528-CJIZ	OpenManage Integration with MS Windows Admin Center Premium License for PowerEdge Servers (POS)	PowerEdge Servers only	$199
528-CJIV	OpenManage Integration with MS Windows Admin Center Premium License for PowerEdge Servers (APOS)	PowerEdge Servers only (Customer Kit)	$199
528-CJIT	OpenManage Integration with MS Windows Admin Center Premium License for MSFT HCI Solutions (POS)	AX node/ S2D Ready Nodes only	$499
528-CJIU	OpenManage Integration with MS Windows Admin Center Premium License for MSFT HCI Solutions (APOS)	AX node/ S2D Ready Nodes only (Customer Kit)	$499

4.2   OpenManage Integration for VMware vCenter (OMIVV)

NOTE: OpenManage Integration for VMware vCenter (**OMIVV**) has been discontinued as of October 1st, 2023. Customers should transition to OpenManage Enterprise for VMware vCenter (**OMEVV**) which requires an OME Advanced+ license; see Section 3.1 for details.

4.3   OpenManage Integration for ServiceNow

The OpenManage Integration with ServiceNow helps streamline IT service administration and reduce risk in your datacenter. The integration allows the automation of the service management workflow for your PowerEdge server infrastructure within the ServiceNow console.

Licensing - OpenManage Integration with ServiceNow requires that either one of the following licenses is loaded into the managed PowerEdge iDRAC:
- OpenManage Enterprise Advanced+ license, OR
- OpenManage Integration with ServiceNow license.

Following are some more details about the licensing:
- Licenses are perpetual – there is no need to renew the licenses.
- Only those PowerEdge server devices that have either the OME Advanced+ license or the OpenManage Integration with ServiceNow license loaded on their iDRAC are imported from the OpenManage Enterprise into the ServiceNow instance.
- 90 Day Evaluation licenses are available.

Note: The OpenManage Integration with ServiceNow requires the OpenManage Enterprise console.

Please refer to the **Error! Reference source not found.** section for more details on the OME Advanced+ SKUs. Following are the SKU details for OpenManage Integration with ServiceNow license:

SKU	SKU Description	Price
OpenManage Integration with ServiceNow (POS)		
528-BFSL	OpenManage Integration with ServiceNow (14/15/16G)	$99
OpenManage Integration with ServiceNow (APOS)		
528-BFSJ	OpenManage Integration with ServiceNow, Customer Kit (12/13G)	$99
528-BFSN	OpenManage Integration with ServiceNow, Customer Kit (14/15/16G)	$99

5   OpenManage Enterprise Platinum Bundle

The Platinum License bundle has been discontinued with the launch of 16th generation PowerEdge platforms. It is not supported on 16G and later PowerEdge platforms.

6 Trial Licenses

Dell offers the option to upgrade remote controller modules through a license file. For evaluation purposes, Dell is granting 30-days trial licenses for iDRAC Enterprise, iDRAC Datacenter, OME-Modular, and CMC Enterprise to get familiar with the advanced feature set.

Some licenses, like OpenManage Enterprise Advanced or Advanced+, are 90-day licenses.

Note that trial license can only be imported one time per product. Attempting to import an additional trial license will fail.

Note regarding SEKM not having a trial license: Secure Enterprise Key Manager does not offer a trial license. Should the license expire, and no full licensed version is on the server, the data on that drive will be locked.

See the Trial Licenses page for full details.

https://www.dell.com/support/kbdoc/000176472

7   Dell License Manager/ Dell Digital Locker

For customers purchasing Systems Management APOS licenses in volume, Dell has tools to help. Licenses are bound to the service tag and installed into each iDRAC. Dell License Manager (DLM) and the bulk bind feature of the Dell Digital Portal are tools to help manage, bind, and install the licenses. These tools can bind up to 1000 iDRACs at one time. More than 1000 licenses can have multiple files created to use as input for DLM.

Access to the Dell Digital Locker: Dell Digital Locker.

The customer uses their entitlement from their APOS purchase to receive the licenses.

- An entitlement email is sent to the customer at an APOS license purchase. If the customer cannot locate the email:
    - The customer's order information can be used from the Dell Digital Locker to find the entitlement, which can be exchanged for the APOS product license(s) that were purchased. DF (dell.com)
- One entitlement will cover any volume of products that were bought; however, the entitlement must be exchanged for licenses that are bound and iDRAC consumable one by one.

Dell License Manager (DLM) is a one-to-many license deployment and reporting tool for integrated Dell Remote Access Controller (iDRAC), OpenManage Enterprise Advanced licenses, Chassis Management Controller (CMC) licenses and additional licenses. DLM can download, bind, deploy and backup:

- iDRAC7, iDRAC8 and iDRAC9 licenses for PowerEdge servers.
- OpenManage Enterprise Advanced and Advanced+ licenses.
- OpenManage Integration with Microsoft Windows Admin Center licenses.
- OpenManage Integration with ServiceNow licenses.

The current SKUs are supported with DLM for APOS distribution and installation.

528-BJEW	OME Upgrade APOS Legacy Platforms **(12G = iDRAC7; 13G = iDRAC8)**
528-BIYX	OME Advanced APOS Current and future platforms
528-BJEV	OME Advanced APOS Legacy Platforms **(12G = iDRAC7; 13G = iDRAC8)**
528-BIYW	OME Upgrade Advanced APOS Current and future platforms
528-CTZD	APOS – OME-Advanced+ license for iDRAC8 (Aug 2022)
528-CTZF	APOS – OME-Advanced+ license for iDRAC9 (Aug 2022)
634-BZIK	iDRAC Secure Enterprise Key Manager License APOS
528-BFSN	SNOW APOS (current and future platforms)
528-BFSJ	SNOW APOS Legacy platforms
385-BBHP	iDRAC8 Enterprise APOS
385-BBKW	iDRAC9 Enterprise 14G APOS
528-CIBH	iDRAC9 Datacenter 14G APOS
385-BBPP	iDRAC9 Enterprise 15G APOS
528-CHZI	iDRAC9 Datacenter 15G APOS
528-CTIE	iDRAC9 Enterprise 16G APOS

528-CTIF	iDRAC9 Datacenter 16G APOS
528-CJIU	MSFT HCI Solutions (APOS) For AX node/S2D Ready Nodes
528-CJIV	MSFT WAC on PowerEdge Servers (APOS)

The steps:

1) Locate the entitlement via email sent to the customer or using the Dell Digital Portal login and the order number. DF (dell.com)
2) Execute bulk bind following instructions above.

   A slide deck with screen shots of how to select and bind the licenses: Binding multiple licenses with screen shots (dell.com)

   The link to bulk bind instructions: (scroll to the bottom of the list for bulk bind instructions)https://www.dell.com/support/software/us/en/19/Default/QuickStartGuide

3) Use the license file created in bulk bind as input to Dell License Manager (DLM).

DLM may be downloaded: https://www.dell.com/support/kbdoc/en-us/000178010/dell-emc-license-manager-dlm

DLM documentation: https://www.dell.com/support/home/en-us/product-support/product/license-manager/docs

A Technical support and resources

Understanding PowerEdge Server generations
[How to identify a Dell PowerEdge server generation | Dell US](#)

The iDRAC support home page provides access to product documents, technical white papers, how-to videos, and more.
 [www.dell.com/support/idrac](#)

iDRAC User Guides and other manuals
[www.dell.com/idracmanuals](#)

[The OpenManage Enterprise support home page provides access to product information, white papers, how videos and more](#)

[www.dell.com/support/ome](#)

OpenManage Enterprise User Guides and other manuals

[https://www.dell.com/support/dell-openmanage-enterprise/docs](#)

Dell Technical Support
[www.Dell.com/support](#)

Trial Licenses
[https://www.dell.com/support/kbdoc/000176472](#)

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