DELLTechnologies

OpenManage Systems Management Solution Portfolio

Effortless insight and control with OpenManage system management

IT Management is the foundation for operational success. OpenManage Enterprise powers innovation through predictive analysis, added insight, and extended control that improves security, enhances efficiency, and accelerates time to value.

How does management power innovation?

The foundation of success

Business innovation rests on a foundation of insight, agility, and efficiency. Without the ability to proactively manage IT infrastructure to align with operational success, there can be no innovation.

At Dell EMC, we understand the task of managing IT infrastructure and we realize it will always require the expertise of skilled professionals like you. That's why we empower IT professionals with tools for added insight and control. So, while we both understand the high-stakes of managing IT infrastructures, that can continue to be our little secret. You can simply and effectively power innovation through our mature toolkit of systems management capabilities.

"**It's** amazing to have a single pane to manage a hyper-converged solution, Azure Stack HCI, and software to help manage the software. The OpenManage Integration with Windows Admin Center is the last piece that made Azure Stack HCI."

— Greg Altman,
IT Infrastructure Manager,
Swiff-Train Company

IT management should meet the needs of modern IT

Strategically designed management at every interaction and every infrastructure

Technology is not static. It changes with each innovation and creates new requirements for management. Dell EMC leads the development of many technology innovations and we partner with industry leaders in the enhancement of open technologies. Our involvement in these industry innovations gives us an advanced perspective on the requirements of IT management.

However, your infrastructure is unique to your business; and it can't change overnight. That's why we have identified four essential capabilities that we believe are important for every infrastructure. Moreover, we are committed to delivering consistent enhancements to the OpenManage portfolio in each of these areas.

Integrated Security

Dell EMC, OpenManage systems management solutions, help secure your infrastructure from end-to-end. Integrated security features for PowerEdge servers, start at the factory, with an immutable, silicon-based root-of-trust. Also, Dell EMC is vigilant in addressing new threats as they arise, integrating cutting-edge security features into the systems and sub-systems of every server and software program to help ensure your systems stay secure and up-to-date without interruption.

Intelligent Automation

The intelligent automation capabilities of the OpenManage software portfolio enable cooperation between human actions and system capabilities. Thresholds can be predefined and actions set to run automatically based on your inputs. With intelligent automation, your team is more productive and you can focus on strategic tasks.

Predictable Change

Support your change management strategy with OpenManage systems management solutions. Using the family of change management tools, you can plan updates and seamlessly implement them through guided menus, zero-touch configurations and scripting. OpenManage systems management solutions help make change predictable so that you can expect consistent outcomes and worry-free results.

Elegant Control

With OpenManage systems management, you can manage the full lifecycle of your infrastructure with a family of seamless solutions that put control of your infrastructure at your fingertips.

The Dell EMC OpenManage Systems Management Solutions Portfolio

The Dell EMC OpenManage systems management solutions portfolio provides full-lifecycle management of PowerEdge servers and associated infrastructure. The foundational technologies are the integrated Dell Remote Access Controller (iDRAC) and the OpenManage Enterprise console. These innovations, together with the remainder of the portfolio, provide one of the most comprehensive server deployment and management solutions in the industry.

EMBEDDED MANAGEMENT

ITPRO
EDITOR'S CHOICE
★★★★★

"The only choice for top notch remote management"

ITPRO

The Integrated Dell Remote Access Controller (iDRAC)

Embedded within every PowerEdge server and server sled, the iDRAC provides deep, integrations across server, storage, networking, software and services offerings from Dell EMC and other vendors

iDRAC offers:

- iDRAC9 Telemetry Streaming
- Thermal Manage
- iDRAC RESTFul API with Redfish support
- Agent-free embedded server management

Click here to learn more.

### OpenManage Enterprise – Modular Edition)

delivers the key abilities of OpenManage Enterprise systems management within the server chassis. Now, IT can react faster, boost service delivery and unlock real-time views of every component inside the PowerEdge MX

- Manage servers across up to 20 MX chassis
- Deploy faster with auto-chassis and node discovery
- Comprehensive RESTful API helps automate multiple tasks and integrate to 3rd party tools
- LCD and OpenManage Mobile options for remote access
- Supported by VMware Cloud Foundation
- Learn more here.
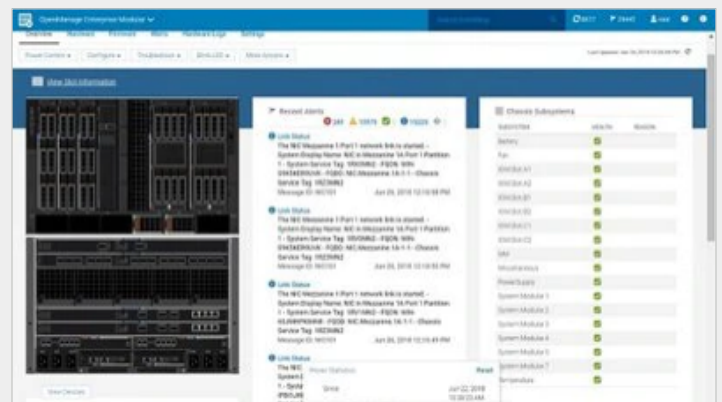
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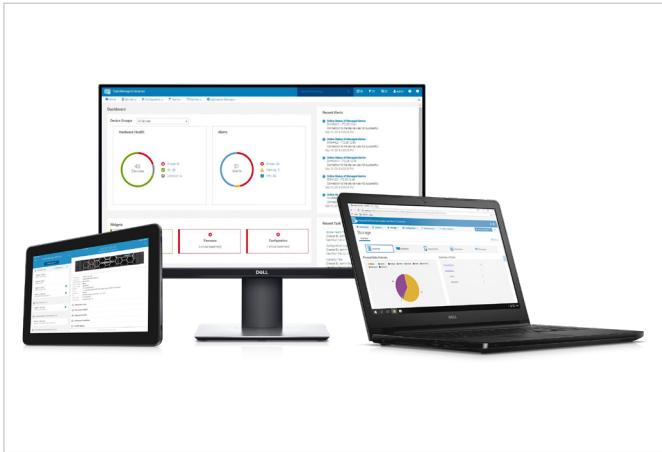
OpenManage Enterprise

reduces the time and effort required to manage IT implementations. It enables server lifecycle management capabilities that return value through real-time efficiencies and cost-savings. Deploy easily as a virtual appliance in ESXi, Hyper-V and KVM installs

- Support up to 8,000 devices
- Monitor Dell Networking and storage or 3rd party devices
- Configuration and firmware drift detection
- Full-lifecycle configuration management with editable templates
- Extendable plug-in architecture
- Streamlined remote management

Learn more here

Extended Capabilities with Plugin Architecture

> The innovative plugin architecture design provides future extendibility. Through the same interface, plugins can be easily installed, updated and disabled.

OpenManage Enterprise Power Manager

monitors and budgets server power based on the consumption and workload needs as well as keep an eye on the thermal conditions

- Optimize your IT infrastructure performance relative to power consumption
- Monitor and manage server power and thermal consumption
- Record power and CPU consumption for accurate chargeback

Learn more here

SupportAssist Plugin

is designed to deliver an automated, proactive support experience for the data center, providing a single pane of glass for a complete Lifecycle Management.

- Auto case creation provides a smarter path to resolution including predictive failure prevention, reducing customer efforts and avoiding costly downtime
- Easily monitor and manage the health of Dell EMC PowerEdge devices all in one place

Update Manager Plugin

Integrates the functionality of Dell Repository Manager into an instance of OpenManage Enterprise. This allows you to automate the monitoring, notifications, and downloads of updates for custom catalogs and repositories within OpenManage Enterprise.

- Identify and update components based on the OpenManage Enterprise inventory
- Create a custom repository with the updates in the base catalog for all components
- Create and save a custom catalog(s) to the OpenManage Enterprise designated location
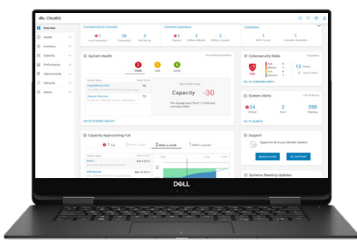
CloudIQ

The CloudIQ application integrates data from all your OME consoles to monitor the health and cybersecurity of PowerEdge servers across all your locations. Server health and cybersecurity scores, opt-in notifications, and performance analytics help you proactively address risks and speed time-to-resolution of issues. Available with Dell ProSupport and ProSupport Plus services at no extra cost, CloudIQ also monitors Dell network, storage, data protection, CI, and HCI systems.

OpenManage Mobile

brings the power of the OpenManage Enterprise console to a mobile phone or tablet. Utilize OpenManage Mobile to maximize hardware infrastructure uptime and respond rapidly to changing priorities or unexpected events.

Learn more here

OPENMANAGE ECOSYSTEM PORTFOLIO: INTEGRATIONS, CONNECTIONS AND RESTFUL APIS

As an IT Service Administrator, you contend with multiple disconnected tools and processes daily. This leads to a heavy work backlog, stressful fire-fighting, and the dreadful Saturday night text from your boss. Whether you favor a GUI or scripts, you can overcome these challenges with the OpenManage Ecosystem of Integrations, Connections and RESTful APIs. The Ecosystem delivers a seamless full-stack management experience through integrations with industry-leading virtualization and cloud management solutions. Learn more here.

Management Console Integrations

- OpenManage Integration with Microsoft Windows Admin Center
- OpenManage Integration for VMware vCenter
- OpenManage Integration with ServiceNow
- OpenManage Ansible Modules
- BMC TrueSight Server Automation and TrueSight Operations Management
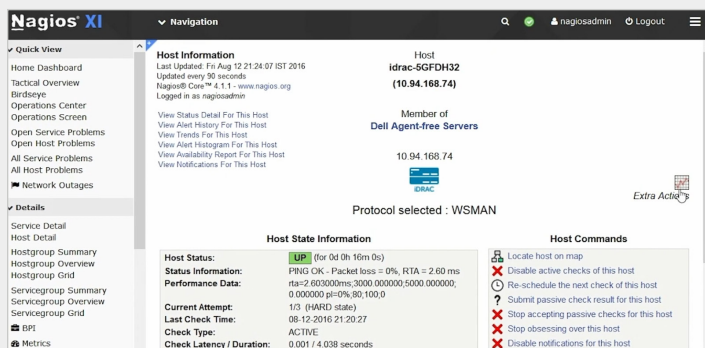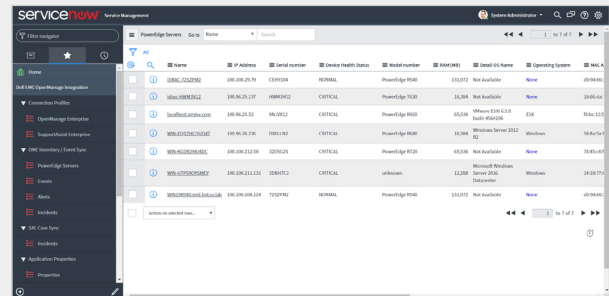
OpenManage Connections

- OpenManage Plug-in for Nagios Core and Nagios XI
- OpenManage Maicro Focus Operations Manager I Operations Connector
- OpenManage Connection for IBM Tivoli

OpenManage Systems Management Solution Portfolio
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RESTful API Resources

OpenManage APIs use common scripting languages so you can have a seamless multi-vendor server management experience. The OpenManage RESTful APIs provide customers and vendors with the ability to write their own extensions and integrate with the OpenManage portfolio.

- View the OpenManage Enterprise and OpenManage Enterprise - Modular Edition RESTful API guide>
- iDRAC Redfish API guide>
- OpenManage Enterprise Power Manager RESTful API guide>
- Watch the Tech Talk video>
- Read about the Redfish Standard>

CHANGE MANAGEMENT

Dell EMC Repository Manager

helps identify, manage and package Dell Update Packages for Dell EMC PowerEdge servers. Systems Administrators used to spend over a day looking for updates on Dell.com, but with Dell EMC Repository Manager that time is now just minutes.

- Compare differences between two repositories at both the bundle and component levels
- Integrate with Dell systems management products such as OpenManage Enterprise and OpenManage Integration for VMware vCenter

Learn more here

Dell EMC System Update

is a script optimized update deployment tool for applying Dell Update Packages to Dell EMC PowerEdge servers.

- Support Windows and Linux systems
- Robust set of Command Line (CLI) attributes
- Identify the available updates, select the relevant updates, and deploy the updates on multiple systems

Learn more here

DATA SECURITY

OpenManage Secure Enterprise Key Manager

delivers centralized, scalable key management, which works in conjunction with self-encrypting storage drives to reduce the risks of securing data across the data center

- Create an effective data-at-rest security approach
- Deploy key management systems to secure data in the server
- Scale data protection as storage requirements scale with self-encrypting drives (SEDs)

Learn more here

	iDRAC	OpenManage Enterprise	OpenManage Enterprise – Modular Edition	OpenManage Integrations and connections	Change Management (Dell EMC Repository Manager and Dell EMC System Update)
Product / **Features**					
Appliance Type	Embedded (1:1)	Virtual Appliance (1: many)	Embedded (1: many)	Virtual Appliance (1: many)	Downloadable
Environment	Dell EMC PowerEdge servers regardless of form factors	PowerEdge servers in a multi-vendor environment	Current and next generation of PowerEdge modular servers	PowerEdge servers regardless of form factors and preferred 3rd party management tools, such as VMWare vCenter	Dell EMC PowerEdge servers
Scalability	1:1 out of band management	Up to 8,000 devices • manage PowerEdge servers regardless of form factors • monitor Dell networking and storage devices or 3rd party devices	Up to 20 PowerEdge MX chassis	Vary	• Dell EMC System Update: 1:1 or 1: Many
Automation	Manual or automatic, can synch with any tools (OME, DRM, MSFT, VMware) or via script	Manages and automates PowerEdge server lifecycle activities through editable templates and policy	Intelligent automation across the full lifecycle of deploy, monitor, and update of in-chassis servers, storage, and networking	Vary	Dell EMC System Update enables Robust set of Command Line (CLI) attributes
Analytics	Telemetry Streaming of hardware metrics and status for analytics	Power and thermal management through OpenManage Enterprise Power Manager plugin	Leverage iDRAC telemetry streaming of PowerEdge MX compute sleds hardware metrics and status		
Key security feature	• Silicon root of trust • System lockdown for unwanted configuration changes	• Leverage iDRAC security features • Drift detection • System erase	• Leverage iDRAC security features • FIPS 140-2 certified	Leverage iDRAC security features	Leverage iDRAC security features
API Support	Redfish API	RESTful API	RESTful API Redfish API support for VCF	Vary	
Licensing	See the licensing brief for details	See the licensing brief for details	No additional license is required as it is part of the MX chassis value proposition	See the licensing brief for details	No additional license is required as it is part of the PowerEdge value proposition
Link	Integrated Dell Remote Access Controller (iDRAC)	OpenManage Enterprise	OpenManage Enterprise – Modular Edition	OpenManage Ecosystem Portfolio	Dell EMC Repository Manager Dell EMC System Update

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