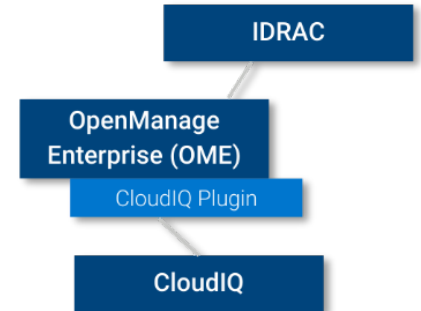


# Third-party Testing Validates Dell Systems Management Portfolio Simplifies Tasks and Helps Improve Security

*Principled Technologies found that the Dell management portfolio provides more granular control and increases flexibility for administrators, while reducing the time and effort to complete common tasks when compared to similar tools from HPE.*

By Andrew Glinka, Vice President Competitive Intelligence | February 2023

A secure infrastructure relies on effective IT management. Therefore, evaluating a vendor's management capabilities is essential when purchasing servers, as these tools can influence your ability to efficiently manage infrastructure resources. In the past, monitoring and managing server infrastructure required a significant amount of manual effort on the part of IT admins. Dell Technologies solutions take the complexity out of your IT infrastructure with intuitive tools that work together to deliver automated, repeatable processes based on your unique policies, enabling effortless management. But not all systems management portfolios are equal.



Dell commissioned an independent, third-party study by Principled Technologies to measure security, analytics, and ease of use capabilities against similar solutions from HPE. The results illustrate the impact Dell solutions can have on your operations. Across the features and use cases tested, Principled Technologies found that tools in the Dell management portfolio provided more granular control and increased flexibility for administrators, while reducing time and effort to complete common tasks. Let's dive into the study and discover the advantages of Dell's System Management tools and comparable tools from HPE.

	Dell	HPE
Embedded/remote server management	iDRAC9 (Integrated Dell Remote Access Controller)	iLO5 (Integrated Lights-Out)
One-to-many device and console management	OpenManage Enterprise (OME)	OneView
Cloud-based management/monitoring	CloudIQ for PowerEdge	InfoSight

TABLE 1: THE MANAGEMENT TOOLS TESTED.

## iDRAC9 vs. HPE iLO5 – Embedded/Remote Server Management

*Designed for more secure local and remote server management, iDRAC helps IT administrators deploy, update, and monitor PowerEdge servers anywhere and at any time.*

Embedded in every PowerEdge server, the Integrated Dell Remote Access Controller (iDRAC) is the foundation of the OpenManage portfolio. iDRAC is a powerful leading-edge remote server management processor functioning as a 'server within a server' designed for more secure local and remote server management. It offers industry-leading security features, while simplifying and automating deployment configuration and updates throughout a server's life and helping to maintain IT compliance with profile-based configuration.

In the study, Principled Technologies compared remote management features and security features, including dynamic system lockdown<sup>1</sup> and dynamic USB port enabling/disabling with iDRAC9 compared to HPE iLO5. The results found that while using iDRAC, administrators could lock down a system remotely up to 91% faster and in one-quarter of the steps compared to HPE iLO without taking the server out of production with a reboot. Since system lockdown helps prevent unintended malicious activity from changing settings or accessing data on the server, it is imperative that this step be as quick as possible.

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*Complete system lockdown in up to 91% less time with iDRAC9 vs. HPE iLO.*

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Similarly, with iDRAC, Principled Technologies was able to enable or disable USB ports in up to 78% less time and in one-third of the steps compared to HPE iLO. By disabling and enabling USB ports, administrators have control over access to the server via a USB port, setting up these capabilities once, and deploying as needed without configuration changes. Not only are these features easier and faster to access with iDRAC, users can also keep the servers in production while enabling or disabling these features.

## **Dell OpenManage Enterprise (OME) vs. HPE OneView – Console Management**

*Designed for more advanced one-to-many server administration features, OpenManage Enterprise simplifies IT management by unifying servers for management from a single console and automating tasks to increase efficiency.*

Do you experience a lot of downtime working on daily manual IT tasks requiring different tools, like firmware compliance and health monitoring?

Managing servers should not need to take up all your time. OpenManage Enterprise (OME) is an intuitive unified systems management console designed to take the complexity out of IT administrators' experience. With OME, you can help ensure environment security; enhance efficiency; speed up time to value through

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*Deploy configuration templates in up to 52% less time with Dell OME vs. HPE OneView.*

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<sup>1</sup> Dynamic System Lockdown is available with iDRAC9 Enterprise or Datacenter licenses.

predictive analysis, enhanced insight, and extended control; and manage up to 8,000 devices<sup>2</sup> with one single tool.

Ease of use is imperative to keep admin productivity up. Principled Technologies found that OME provides easier server deployment, easier firmware updates, and easier alerting when compared to HPE OneView. But how easy is easy?

- **Easier server deployment:** Admins can deploy configuration templates to groups of servers in OME, cutting deployment time in up to half and taking admins fewer steps.
- **Easier firmware updates:** Users can automate one-to-many firmware updates by connecting to Dell.com to update the packages, while OneView admins must manually upload bundles.
- **Easier alerting:** After admins have created alert policies, they are able to automatically assign them for future alerts. This one-time setup process will ultimately save time and effort by automating actions based on alerts.

Along with simplifying management, OME also provides detailed analytics, for more efficient operations and scalability. In their analytics comparison, Principled Technologies found that OME provides more granular insights into infrastructure health, including four times as many built-in reports – 41 report options vs. 10.

## Dell CloudIQ for PowerEdge vs. HPE InfoSight – Cloud-Based Management

*Designed to utilize artificial intelligence (AI) for monitoring and predictive analytics to quickly surface issues anywhere in your environment, providing faster time to insight.*

Through a plug-in to OpenManage Enterprise, IT administrators can leverage CloudIQ for PowerEdge for a single cloud-based portal to monitor system health and performance across multiple data centers. CloudIQ for PowerEdge delivers insights to help reduce risks, with proactive health notifications that pinpoint deviations and help improve staff productivity through a single view of their IT environment with custom reports and third-party software integrations.

Principled Technologies found that CloudIQ for PowerEdge offered more frequent cybersecurity data collection, policy-based security configurations, and detailed risk assessments than HPE InfoSight. With up to 15 times more metrics to choose from, including customizable reports and more health metrics for better admin control, CloudIQ for PowerEdge proved to have more robust analytics and more granular insights into infrastructure health and performance, giving administrators a more complete view of system health across the infrastructure.

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*Dell CloudIQ for PowerEdge offers up to four times more frequent cybersecurity data collection than HPE InfoSight.*

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<sup>2</sup> Based on the “Dell EMC OpenManage Enterprise 3.9 Support Matrix,” January 2023. [Read here.](#)

## Bottom Line

Dell's systems management portfolio, with extensible plug-in architecture, creates a seamless integration to provide you with a one-stop shop of innovative and optimized tools with a smoother data center experience. Principled Technologies found that Dell offers more comprehensive embedded and cloud security features, detailed analytics for more efficient operations, and better ease of use and scalability that can help you lower costs.

## Learn More

To view the entire white paper and gain additional insight into more details, be sure to visit the links below.

- [Full White Paper](#)
  - [Infographic](#)
  - [The science behind Principled Technologies testing](#)
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**About the author:** Andrew Glinka is Vice President, Competitive Intelligence at Dell Technologies. Andrew is an 11-year Dell Technologies veteran and brings over 23 years of experience in technology sales, management, and operations. Prior to assuming his current role, Andrew served as Global Director of Sales Strategy for the Data Protection Solutions Division. He has also managed the Global Software Sales team as well as other sales teams in the Data Protection Solutions Division. Prior to joining Dell through the EMC acquisition, Andrew owned and operated an IT Managed Services business in Virginia for over 8 years before successfully selling the company.