

Dell EMC™ PowerEdge™ MX7000

Dell EMC PowerEdge MX streamlined routine tasks including deployment, firmware updates, server migration, and storage provisioning as compared to HPE Synergy

The Dell EMC PowerEdge MX solution required 89.4 percent less admin time to deploy multiple server nodes and 15 fewer steps to update firmware on multiple systems

For IT administrators, spending time maintaining servers comes with the territory. However, the right platform and associated tools can dramatically reduce the time and effort that routine management tasks require, which can in turn free these professionals to pursue endeavors that propel business forward, such as responding more quickly to customers and focusing on special projects.

The new Dell EMC PowerEdge MX blade server platform includes Intel® Xeon® Scalable processors, Intel NVMe solid-state drives, and the Intel Ethernet Network Adapter XXV710. For management, it leverages OpenManage™ Enterprise - Modular Edition, an embedded application providing hardware management and software-defining capabilities. When integrated with a full version of OpenManage Enterprise, this powerful tool can allow admins to carry out a management task on dozens or hundreds of servers in little more time than they'd need to perform the task once.

At Principled Technologies, we executed a series of tasks in both a Dell EMC PowerEdge MX environment with OpenManage Enterprise and an HPE Synergy environment with OneView. The management tools embedded in the Dell EMC solution let us complete the tasks—which involved server and storage provisioning along with server deployment and component maintenance—in less time and often with fewer steps. This efficiency can grow exponentially in large-scale operations, returning an enormous amount of time to your IT admins.



Spend 89.4% less time on admin tasks

48 seconds vs. 7 minutes, 36 seconds



Reduce the number of steps by $\frac{2}{3}$

6 steps vs. 21 steps



Provision assignable storage with zero downtime

HPE Synergy requires powering off the system

Deploy three servers in 89.4% less time

We measured the time and steps each solution required to deploy a single server for the first time, deploy one additional server, and deploy three additional servers. On the Dell EMC PowerEdge MX platform, this last task took less than a minute because the management tools deployed the servers simultaneously.

Time to deploy three servers

*Less time is better
minutes:seconds*

Dell EMC PowerEdge MX
with OpenManage Enterprise



HPE Synergy with OneView for Synergy



Update firmware on three servers in 86.6% less admin time

We measured the time and steps each solution required to update firmware once, to update firmware on one additional server, and to update firmware on three additional servers. In the last scenario, using the embedded management tools of the Dell EMC PowerEdge MX solution took 86.6% less time than using OneView for Synergy.

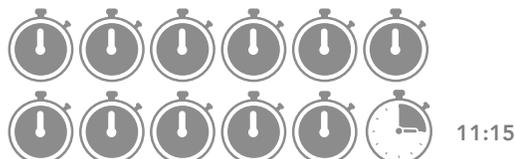
Time to update firmware on three servers

*Less time is better
minutes:seconds*

Dell EMC PowerEdge MX
with OpenManage Enterprise



HPE Synergy with OneView for Synergy



To find out more about Dell EMC PowerEdge MX, visit www.dell.com/en-us/servers/modular-infrastructure/.

Migrate a server profile from a traditional rack server into the PowerEdge MX compute nodes

Because Dell EMC OpenManage Enterprise supports the MX platform, but isn't strictly bound to it, you can add servers from across the Dell EMC server portfolio. HPE OneView for Synergy does not support importing or managing servers outside the Synergy chassis.

Provision assignable storage in half the number of steps and incur no downtime

Provisioning storage on the Dell EMC PowerEdge MX solution required six fewer steps than on the HPE Synergy solution. More importantly, OpenManage Enterprise - Modular Edition, which is embedded in the MX platform, let us add the disks without downtime. HPE OneView for Synergy provisions the assignable storage through changes to the server profile. You must power off the server to apply the changes, which means provisioning additional storage requires downtime.

Steps to provision assignable storage

*Fewer steps
are better*

Dell EMC PowerEdge MX with OpenManage
Enterprise - Modular Edition



HPE Synergy with OneView for Synergy



As these examples show, the powerful tools embedded in the Dell EMC PowerEdge MX platform, OpenManage Enterprise and OpenManage Enterprise - Modular Edition, streamlined tasks in a way that could translate to enormous time savings over an HPE Synergy solution using OneView for Synergy, especially in large-scale enterprises.

Read the report at <http://facts.pt/jyiqavn>



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