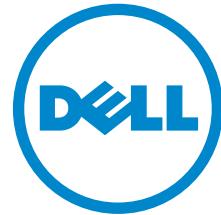


Dell OpenManage Integration for VMware vCenter



Bridge the physical and virtual gap by automating and consolidating key Dell server management tasks in the VMware vCenter console.

Overview

Most IT organizations today rely on virtualization to improve business agility and reduce capital expenditures. The promised benefits of virtualization, however, can quickly get eroded by increased operational costs, which often arise from added management complexity.

To effectively run today's data centers, you need to manage both the virtual and physical infrastructure. Unfortunately, this typically means that you have to use multiple disconnected tools and processes to manage your environment, stealing valuable time away from your work day and introducing potential errors.

OpenManage Integration for VMware vCenter is a native VMware vCenter plug-in that solves this problem by streamlining the tools and tasks associated with the management and deployment of Dell PowerEdge servers in your VMware environment. With OpenManage Integration for VMware vCenter you can dramatically reduce complexity, speed deployment and minimize risk in your IT operations.

Reduce complexity

OpenManage Integration for VMware vCenter reduces management complexity by integrating the physical management capabilities of Dell PowerEdge embedded management technology, iDRAC with Lifecycle Controller, within the vCenter console. Now, you no longer need to use multiple consoles to manage both your physical and virtual environment.

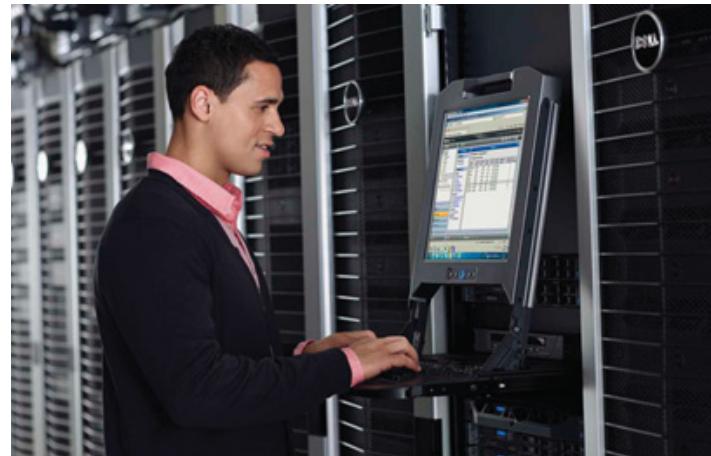
Additionally, you can streamline the most essential management tasks you need to perform regularly — or sporadically. With one common management interface, you also improve operational consistency and achieve better control with standardized deployments.

- Integrate Dell hardware management capabilities into the vCenter console
- Use just one console, move faster: eliminate multiple consoles and automate tasks
- Improve consistency and control with standardized deployments

Speed deployment

OpenManage Integration for VMware vCenter speeds up bare-metal provisioning from within vCenter. Rather than complicated server provisioning tools and processes, OpenManage Integration employs hardware profiles, which are automatically generated from BIOS, RAID and other configuration settings of hosts already in your profile.

Combined with hypervisor templates, the OpenManage Integration plug-in enables you to create and save deployment profiles with just a few clicks. Once the desired deployment profile is created, you can apply it effortlessly and achieve consistent and automated deployment, reducing deployment steps from 55 to just 9 (85% task reduction). Whether you deploy a few servers a quarter or a few servers a day, the time savings achieved can be significant.



85% less steps to deploy a server

- Leverage deployment profiles to effortlessly deploy with just a few clicks
- Reduce deployment from 55 steps to just 9 steps
- Start with an open box to a running host in minutes

Minimize risk

OpenManage Integration empowers you to minimize risk in your data center so that you maintain high service levels. The OpenManage plug-in helps you achieve this in three ways.

First, OpenManage Integration enables you to manage, enable and disable alarms as well as define alert threshold levels from within vCenter so that you get consolidated alerts visibility, management, as well as remediation recommendations across your virtual and physical environment. The result is reduced system downtime.

Second, OpenManage Integration streamlines the recurring task of keeping servers' BIOS and firmware up-to-date by enabling you to manage and rapidly update firmware and BIOS without leaving vCenter. During the update process, the OpenManage Integration plug-in can also send hosts to maintenance mode so that any live VMs can be migrated to other hosts in the cluster while a single host is undergoing an update. Once completed, the updated host can be brought out of maintenance mode, thereby returning VMs to service automatically.

Last, but not least, the OpenManage Integration plug-in gives you deep visibility into your hardware inventory, warranty and service details so that you can better manage inventory and remain compliant.

- Receive consolidated hardware alerts with suggested remediation actions
- Update server firmware and BIOS from within vCenter
- Gain extensive visibility to hardware inventory, warranty and service details

Feature	Description	Benefit
Monitoring and alerting	<ul style="list-style-type: none"> Consolidated alerts visibility, management, as well as remediation recommendations You set the control level — allow the tool to require manual approval of the suggested action or allow the tool to automatically remediate — or choose from various degrees in between based on the alerts 	<ul style="list-style-type: none"> Efficient hardware monitoring and alerting without leaving the vCenter console Keep your data center applications up and running based on prescriptive actions tied to severity; ability to invoke VMware® vMotion™ as required
Zero-touch host deployments	<ul style="list-style-type: none"> RAID, server name, IP address and many other settings can be set and kept as a profile template Hypervisor templates can be created for vSphere 5.5, ESXi™ 4.1 and later releases Pair the profile and hypervisor templates as needed to quickly and consistently ready the hardware 	<ul style="list-style-type: none"> Maintain corporate approved standards and ensure consistency for every deployment Reduce IT staff hours required for server deployments Eliminate the complexity and trial and error of installing or expanding your virtualization environment
BIOS and firmware updates	<ul style="list-style-type: none"> Automatic downloads of updates from Dell.com, and remotely applied to hosts at your convenience, using iDRAC with Lifecycle Controller During the update process, send hosts to Maintenance Mode so that any live VMs can be migrated to other hosts in the cluster while a single host is undergoing an update. Once completed, the updated host can be brought out of maintenance mode, thereby returning to service 	<ul style="list-style-type: none"> Freedom to choose where you pull your updates from and when they are to be run Consistent, reliable process to install BIOS and firmware updates to VMware® vSphere 5.5, ESXi™ hosts
Online warranty information	<ul style="list-style-type: none"> Key information is available at your fingertips by including server warranty information in vCenter™, including service provider, warranty type and service dates at a server or cluster level 	<ul style="list-style-type: none"> Check and renew your warranty details and status from the vCenter console and eliminate the need to hunt down information on server age or EOL Aids disaster recovery planning and server refresh planning
Deep level detail for inventory	<ul style="list-style-type: none"> Full server details like quantity and type for items such as memory, NIC, power supplies, processors, RAC, and more are available as well as warranty information and server- or cluster-level views (exportable to CSV for sorting) 	<ul style="list-style-type: none"> Easier compliance to IT governance policies Higher efficiency in inventory management

What the industry is saying...



CRN Products of the Year 2011

- Data Center category
 - "The tool takes administrators well beyond the world of virtualized hardware, and into what's really happening into real hardware"
 - "It's stunning, wide view of data center activity puts it into a class by itself this year."

Streamlining IT Operations with Automated Systems Management Tools

- "Customers who have implemented the OpenManage Integration plug-in report that they can significantly simplify and reduce the number of steps needed to accomplish many repetitive day-to-day tasks."

White paper (November 2011)



For more information and to download a free 1-host version, visit Dell.com/plugin.

