Managing your HP infrastructure with Insight Control Integrations and System Center 2012

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HP Product Manager
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SC 2007
SC 2012

Agenda

Hint: Supported System Center versions shown in upper right corner

Introduction

Insight Control for System Center Integrations

- System Center Operations Manager (SCOM)
- System Center Virtual Machine Manager (SCVMM)
- System Center Configuration Manager (SCCM)

Other HP Integrations

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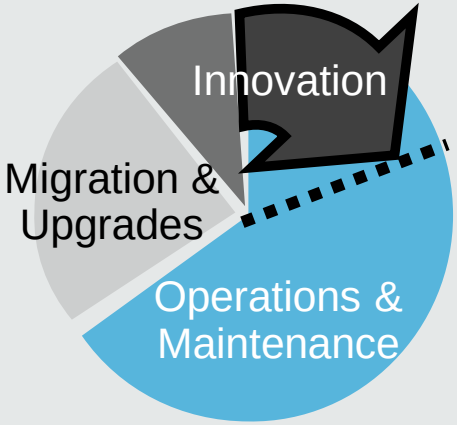
IT sprawl has business at the breaking point



70% CAPTIVE IN OPERATIONS AND MAINTENANCE

- Complex and inefficient
- Over-provisioned, under-utilized
- Low productivity

BUSINESS INNOVATION THROTTLED TO <30%

- Long delay to business value
- Unpredictable service levels
- Business agility constrained

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Source: 2009 Information Week Analytics

System Center 2012 Portfolio

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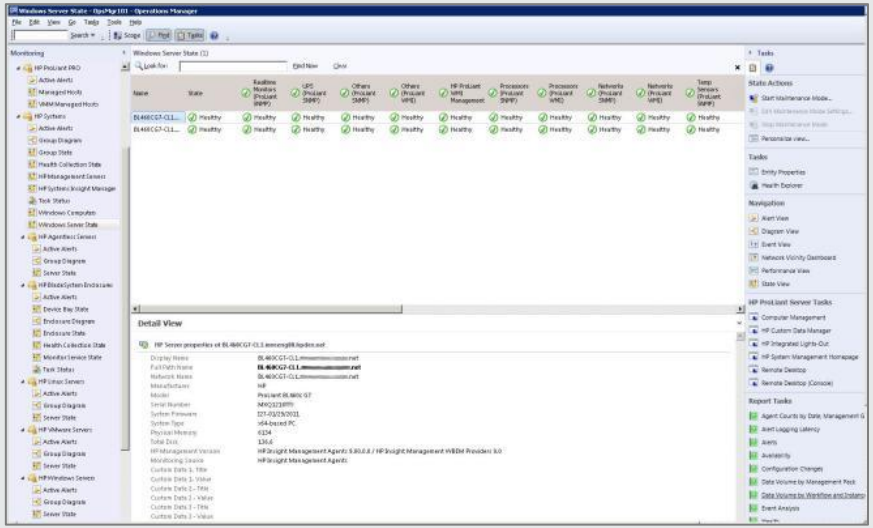
HP Insight Control for Microsoft System Center

Brings the native manageability of HP hardware to System Center environments

- Ideal for customers who have standardized on Microsoft System Center as their management platform
- Licensed and included with HP Insight Control
- Integrates directly into System Center consoles
- Included as key management component in HP VirtualSystem for Microsoft



Provides comprehensive system health, configuration management, and software deployment

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System Center Operations Manager Integrations

Proactive monitoring of hardware health and intelligent response to hardware events

- Common views across all management packs
  - Alert View
  - Diagram View
  - State View
- Agentless monitoring of ProLiant Gen8 servers
  - No OS-based SNMP agents or WBEM providers
- Context sensitive launch of iLO, SMH, and OA
- HP Device Monitor used as proxy for non-Windows devices

- HP ProLiant Server Management Pack
- HP ProLiant Agentless Management Pack
- HP ProLiant Linux Management Pack
- HP ProLiant VMware Management Pack
- HP BladeSystem Management Pack

SCOM Management Packs	SCOM 2007	SCOM 2012
ProLiant Server (Windows)	Y	Y
ProLiant Agentless (Gen8)	Y	Y
ProLiant VMware ESX	Y	Y
ProLiant Linux	Y	Y
BladeSystem Enclosure	Y	Y

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HP SCOM Management Packs

HP Systems

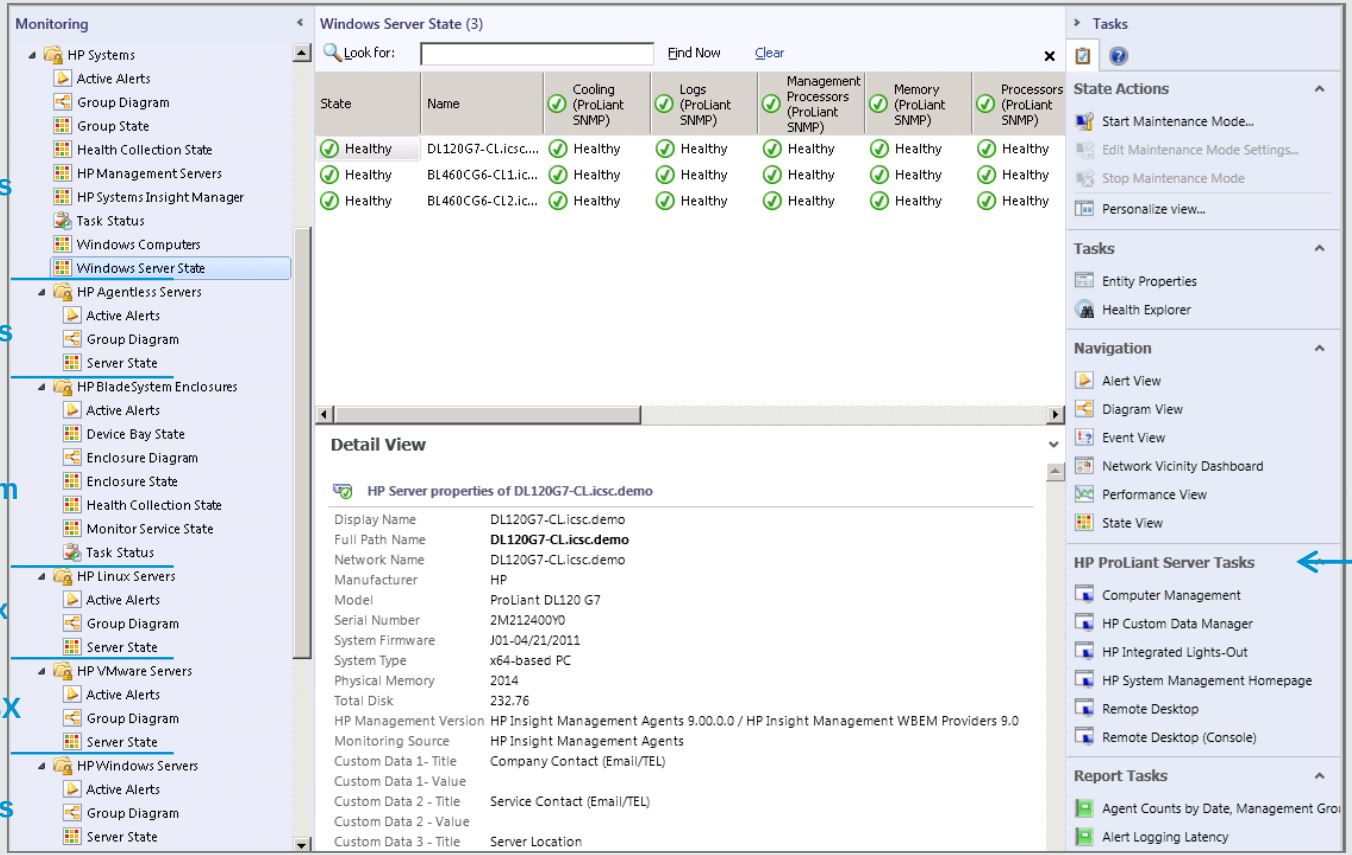
HP Agentless

HP BladeSystem

HP Linux

HP VMware ESX

HP Windows



HP Custom Tasks

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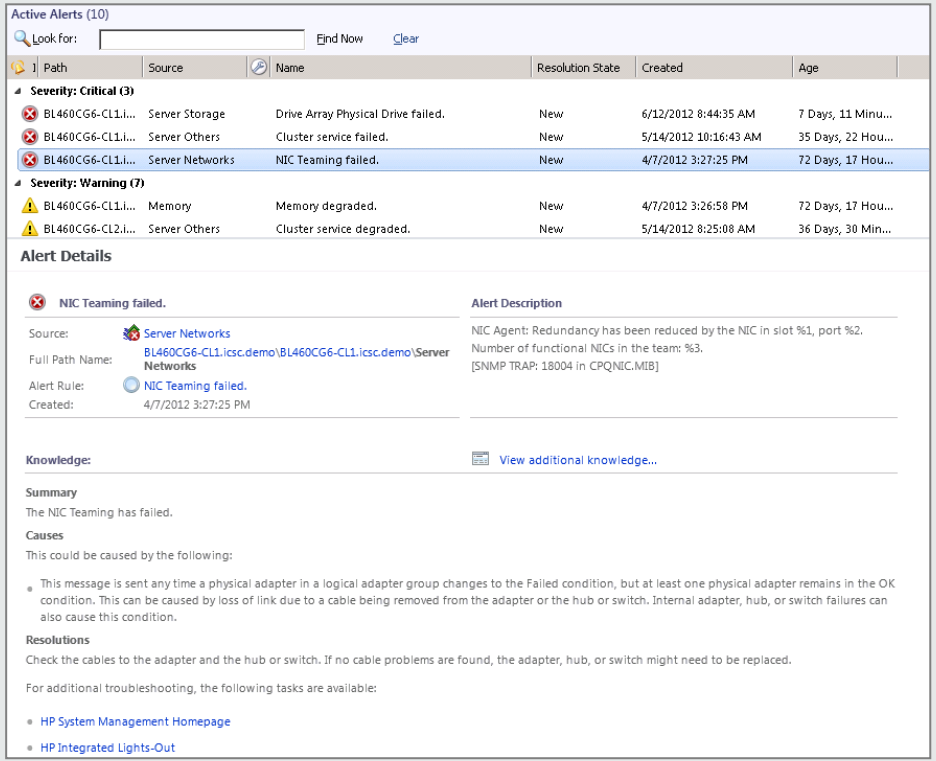
Alert View

HP hardware alerts generated by SNMP, WBEM, or iLO

- Description
- Source and Time
- Knowledge
- Resolution with embedded console tasks
- Causes
- Summary



Provides detailed descriptions about HP hardware alerts

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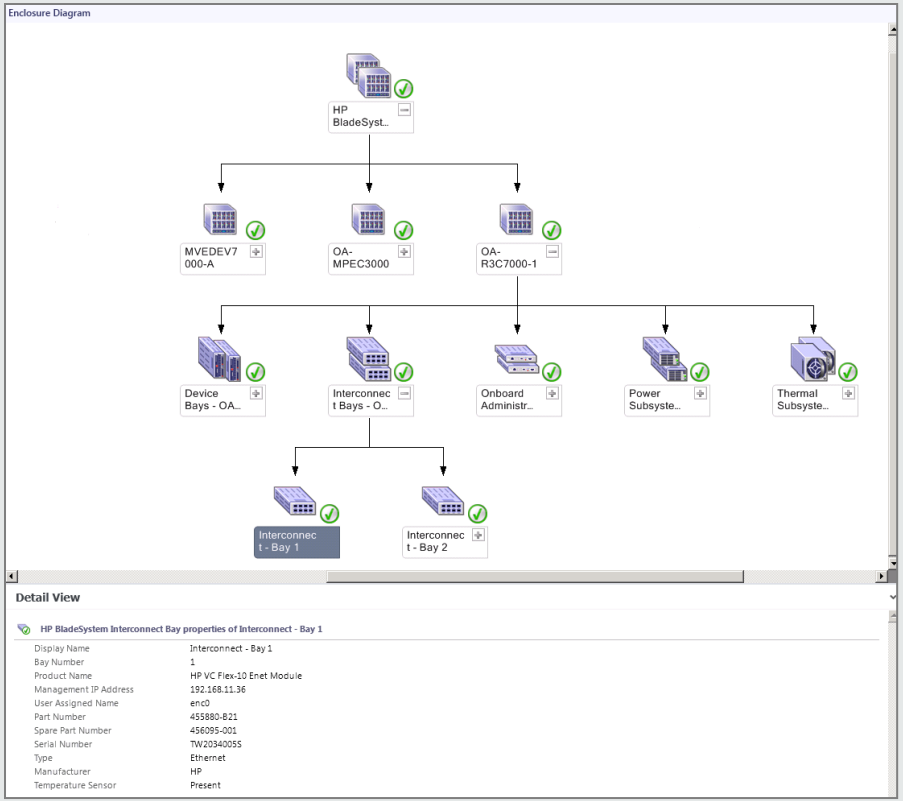
Diagram View

Graphical display of groups and components

- ProLiant servers and subsystems
- BladeSystem enclosures and components
- Shows group or component roll up state



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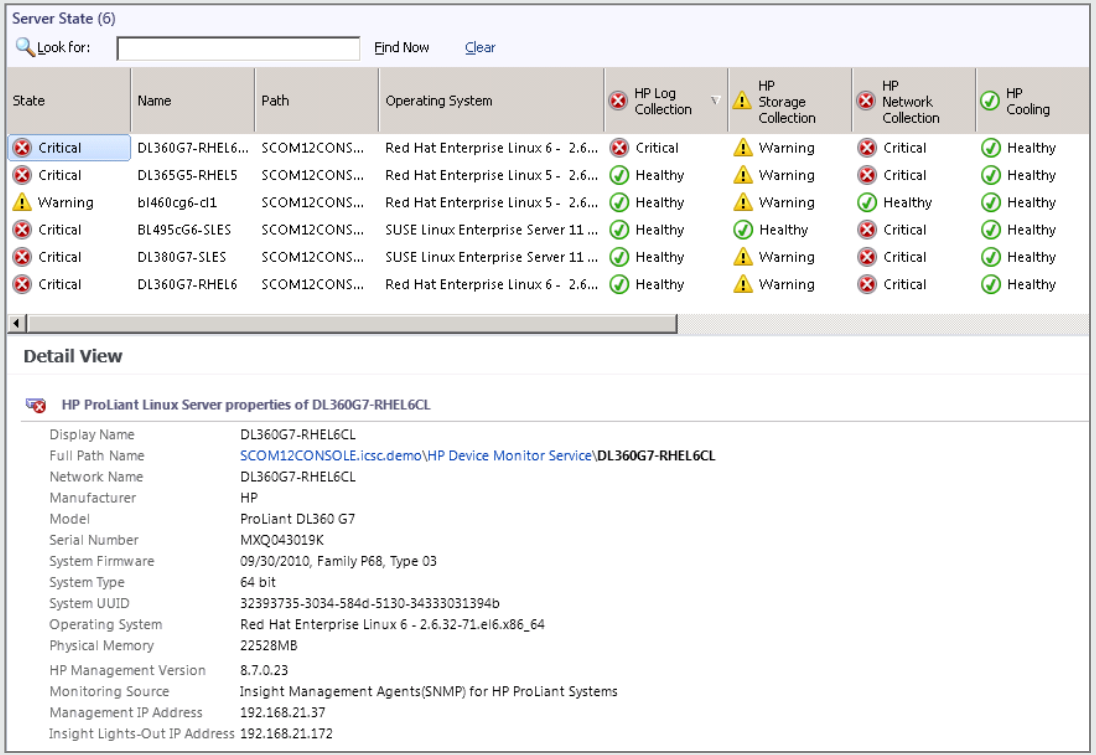
State View

Health state at a glance

- Master state is a roll up of individual components
- Customizable and sortable columns



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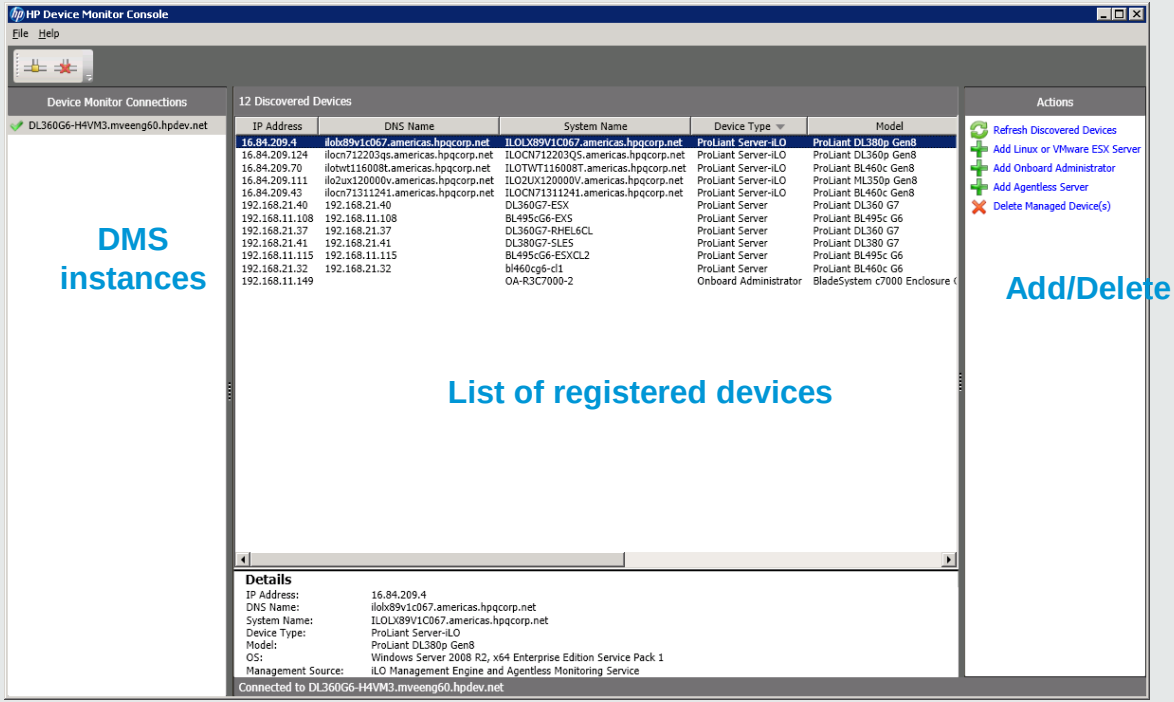
HP Device Monitor Console

Register non-Windows devices with Device Monitor Service

- Can connect to multiple instances of DMS service
- Add/remove devices
  - HP Agentless server
  - Linux or VMware server
  - BladeSystem Enclosure Onboard Administrator
- Supports PowerShell, e.g. for bulk operations



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System Center Virtual Machine Manager Integrations

HP SCVMM 2012 Integration Kit

Provides HP WinPE and production drivers for ProLiant servers in SCVMM Library

Assists with OS deployment via SCVMM 2012

HP ProLiant Updates Catalog

Simplified Windows driver and firmware updates via a rotating, automated workflow for Hyper-V clusters

HP PRO Management Pack

Proactive automatic live migration of Hyper-V virtual machines based upon HP pre-failure and predictive hardware alerts from ProLiant servers

- HP ProLiant PRO Management Pack
- HP SCVMM 2012 Integration Kit
- HP ProLiant Updates Catalog

SCVMM Integrations	SCVMM 2008	SCVMM 2012
OS Deployment	N/A	Y
HP ProLiant Updates	N/A	Y
HP Pro Pack	Y	future

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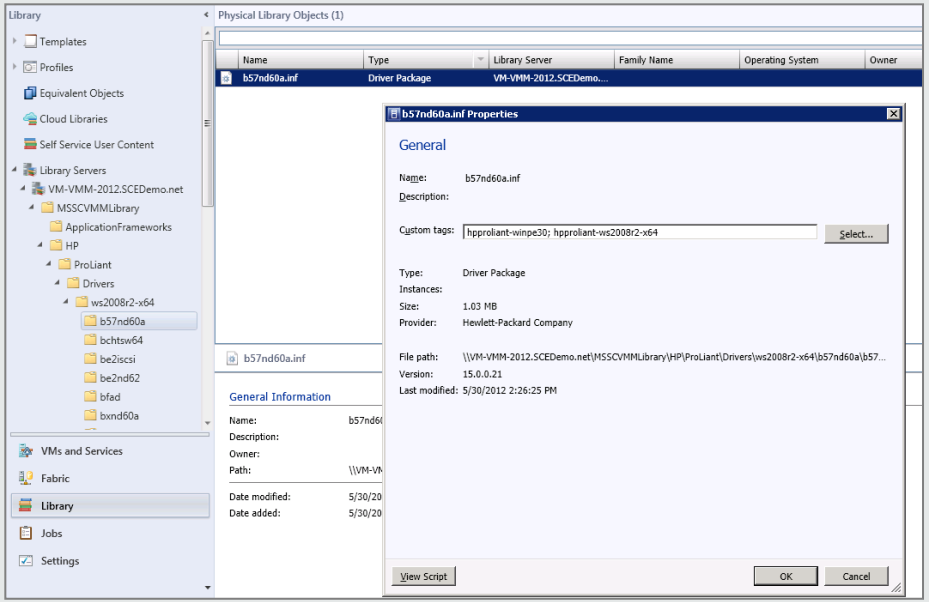
HP SCVMM 2012 Integration Kit

Assists with SCVMM OS deployment

- Provides drivers for deploying ProLiant servers (WinPE and production)
- Puts drivers into SCVMM Library share
- Adds HP default tag names to drivers
- Drivers are from HP Service Pack for ProLiant (SPP)
- Customers can easily upgrade to the latest drivers by simply installing a newly released integration kit



Ensures latest HP drivers are readily available for SCVMM OS deployment process

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SCVMM and HP ProLiant Updates Catalog

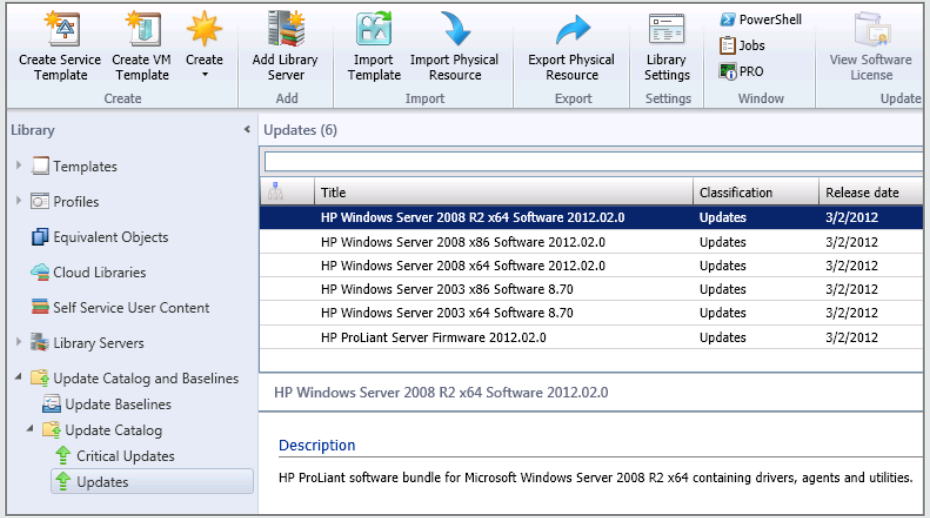
SCVMM driver and firmware updates

SCVMM 2012 can use a Windows Server Update Services (WSUS) server to manage updates for:

- Virtual Machine Hosts
- SCVMM Library Servers
- SCVMM Management Server
- PXE Servers
- WSUS Servers
- Cannot be used for other server roles, VMs, or VHDs

HP ProLiant Updates Catalog integrated into WSUS

For Hyper-V clusters, it performs a rotating update using an automated workflow



Ensures latest HP drivers are readily available for SCVMM firmware and driver updates

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System Center Configuration Manager Integrations

HP SCCM Integration Kit

OS Deployment feature provides quick and reliable Windows deployment to bare metal HP servers

Inventory Tool provides detailed component level inventory of every managed HP Windows server

HP ProLiant Updates Catalog

Simplified Windows driver and firmware updates

- HP SCCM Integration Kit
- HP ProLiant Updates Catalog

SCCM Integrations	SCCM 2007	SCCM 2012
HP ProLiant Updates	Y	Y
OS Deployment	Y	Y
HP Inventory Tool	Y	Y

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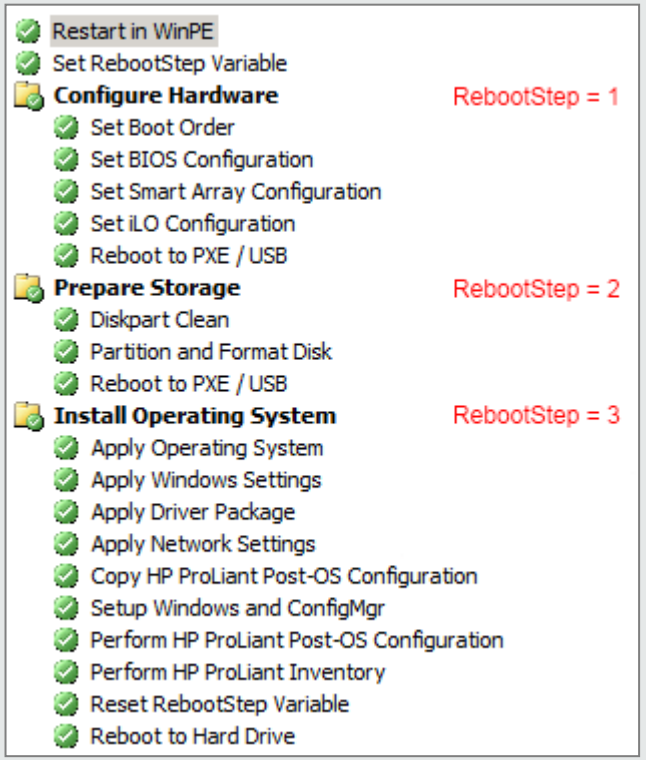
HP OS Deployment

Quickly and reliably deploy bare metal servers

- Wizard driven HP deployment task sequence
- Includes WinPE and production drivers
- No manual download and injection of drivers
- Thoroughly tested by HP



HP task sequence ensures reliable and consistent OS deployments

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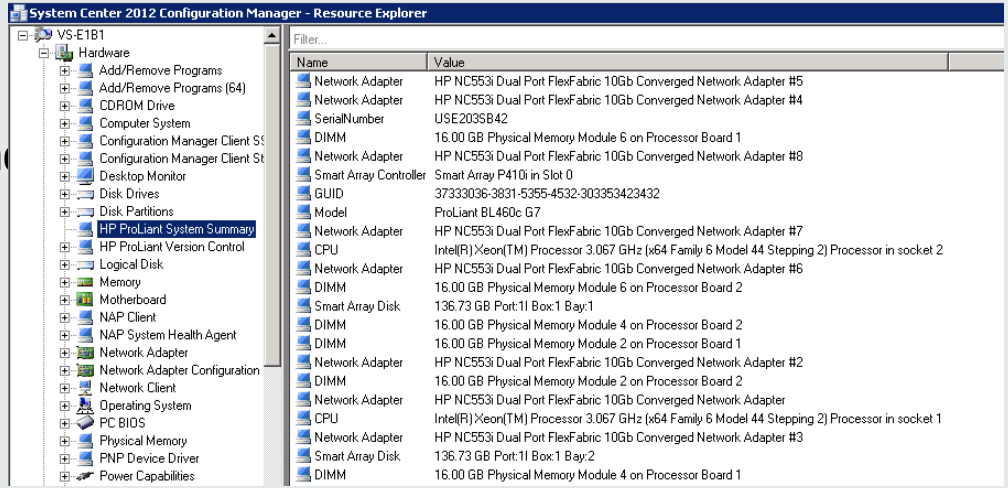
HP Inventory Tool

Detailed HP hardware and software inventory

- Useful for inventory, troubleshooting, and compliance
- Runs as part of standard SCCM inventory collection
- Viewed through Configuration Manager Resource Explorer
- Data available in SCCM SQL database



Provides detailed HP hardware and software inventory

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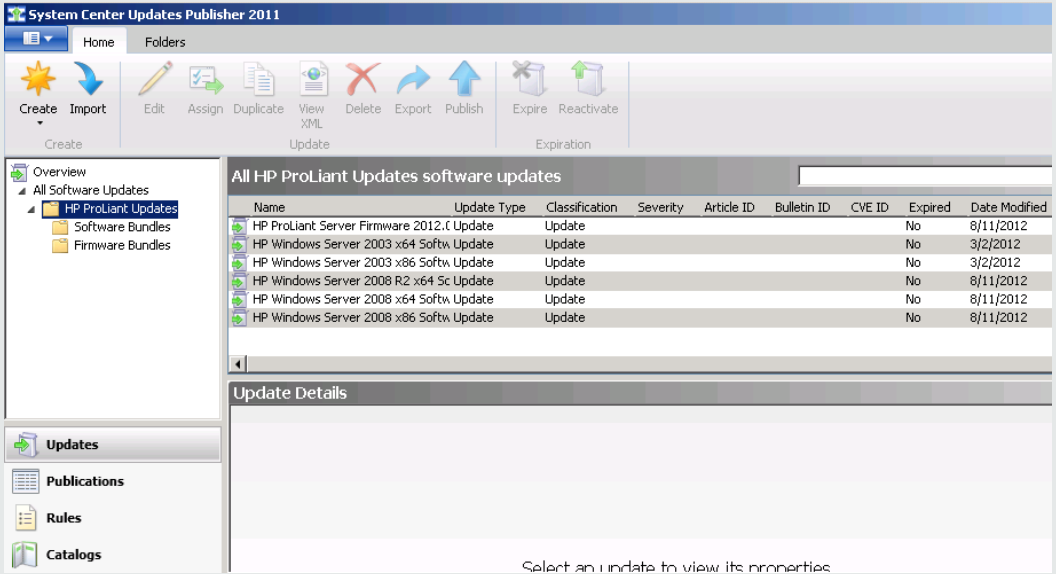
HP ProLiant Updates Catalog

Server driver and firmware updates

- Uses drivers and firmware from HP Service Pack for ProLiant
  - 5 OS-based driver bundles
  - 1 ProLiant firmware bundle
- Replaces PSP-based HP Server Updates Catalog
- Download Catalog in SCUP from Microsoft third party partner catalog



Ensure consistency and maximize uptime with simplified driver and firmware updates

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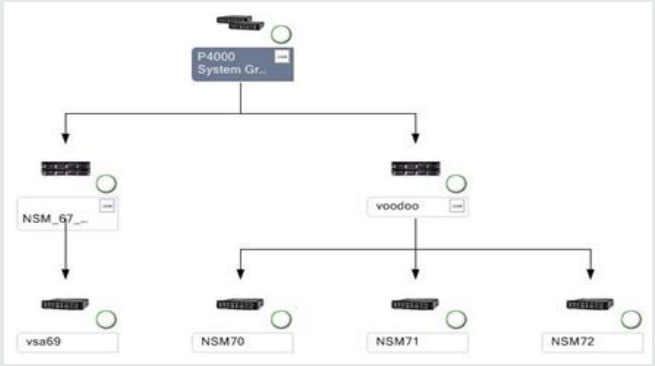
SCOM 2007
SCOM 2012

HP Storage Management Pack for SCOM



HP Storage management in SCOM

Automated installation and discovery

- Supports both SCOM 2007 and SCOM 2012

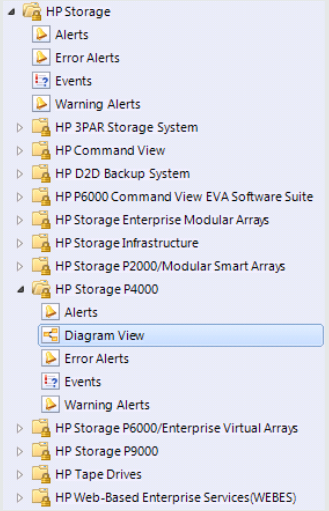
Monitor HP Storage directly from SCOM

- Events and Alerts for HP Storage hardware
- Diagram/Topology Views

Not included with HP Insight Control for System Center

- Download from http://h18006.www1.hp.com/storage/SCOM_managementpack.html

SCVMM 2012 can use SMI-S Providers for storage provisioning of Hyper-V clusters



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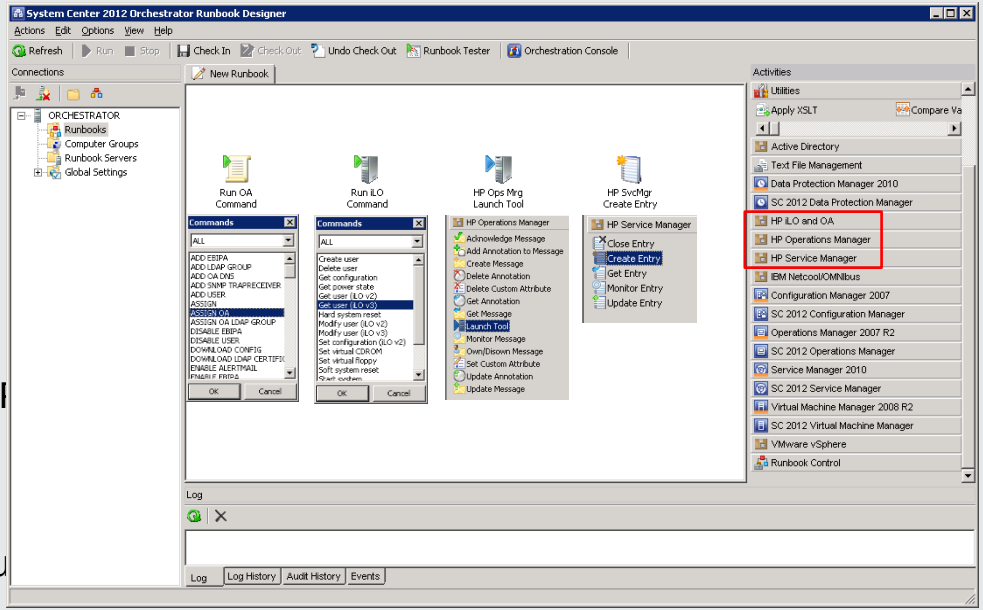
HP Integrations for System Center Orchestrator 2012

- Delivered by Microsoft
  - Use as Orchestrator Runbook tasks
- iLO and OA Integration Pack
  - Manage users, start/stop system, get/set config, manage networking, etc.
- HP Service Manager
  - Retrieve, create, update and monitor tickets in HP Service Manager
- HP Operations Manager
  - Automate the consolidation and correlation of fau and performance events



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HP Insight Control for Microsoft System Center

- Extends the best-managed ProLiant experience for customers who have standardized on a Microsoft System Center management platform
- Fully integrated into System Center means one less tool to learn and manage
- Increase IT staff efficiency by automating routine tasks and providing faster incident response
- Cost savings and improved ROI leaves more time for innovation
- All backed by HP 24x7 Technical Support and Software Updates

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Additional information

HP Insight Control for Microsoft System Center

- www.hp.com/go/icsc
- Product information
- Links to recorded demos
- Product download and trial version
- Technical documentation

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Thank you

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