

Overview

HPE StoreFront Manager for Microsoft

HPE StoreFront Manager for Microsoft provides a comprehensive integration of HPE Storage with Microsoft System Center. It enables the customers to manage HPE Storage running in Microsoft environment with single pane-of-glass view to the events/alerts, capacity monitoring and detailed VM level information. It consists of two products -

1. HPE Storage Management Pack for Microsoft System Center Operations Manager (SCOM)
2. HPE Storage UI add-in for System Center Virtual Machine Manager (SCVMM)

HPE Storage Management Pack for Systems Center Operations Manager (SCOM)

It provides seamless integration with Microsoft System Center Operations Manager by -

- Integrating predefined discovery and state monitoring policies,
- Event processing rules and tasks, and
- Diagram and topology views for HPE Storage

This comprehensive integration solution allows administrators to proactively streamline IT operations and increase systems availability by monitoring Microsoft Windows environments and HPE Storage products through a common Microsoft System Center Operation Manager console. It complements the Management Packs for ProLiant and Integrity servers-and also complements HPE Systems Insight Manager tools to ensure that Hewlett Packard Enterprise customers have the broadest collection of capabilities when deploying a systems management infrastructure for your Hewlett Packard Enterprise servers and storage.

Key Features and Benefits:

The HPE Storage Management Pack integrates hardware resource management into Microsoft System Center Operation Manager and provides the following functionality:

- Monitor HPE Storage Hardware in Operations Manager
 - Predefined rules to process and clearly display events and alerts for HPE storage in the SCOM console
- Automated Installation and Discovery
 - Fully scripted installation that creates HPE specific groups and copies HPE rules, scripts, views, tasks and knowledge base data to the OpsMgr database
 - Discover and manage multiple HPE Storage products and management environments
 - PowerShell cmdlets support to configure and view Alerts/Diagram view information
- Compatibility with HPE Resource Management Tools
 - Works with HPE Insight Control suite for Microsoft System Center
- User generated dashboard for Performance, alerts and capacity utilization for HPE 3PAR Storage
- Physical, Logical and Virtual Storage infrastructure for HPE 3PAR Storage
- Logical and Virtual Storage infrastructure monitoring for HPE StoreVirtual Storage and HPE StoreVirtual VSA
- Enhanced monitoring of HPE MSA 1040/2040 Storage – Linear and Virtual Pools/ Volumes
- Support for System Center Operations Manager 2012 R2
- Support for Microsoft Windows Server 2012 R2

What's New

- Monitor the alerts/health of HPE 3PAR Storage being managed under HPE OneView 1.2 with OneView Management Pack

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- Single topological/diagrammatic view of OneView Infrastructure including HPE 3PAR Storage in OneView Management Pack

Unified Storage management

The HPE Management Pack is plug-in for System Center uniquely provides unified information and management for HPE Storage, in a System Center environment. Information about the corresponding HPE Storage alerts is displays with appropriate severity in folders of the System Center Monitoring panel located on the left-hand side of the console, along with appropriate contextual description.

Supported HPE Storage Systems

Lists the hardware supported by the HPE Storage Management Pack:

Supported HPE Storage Systems	
HPE 3PAR StoreServ Storage	HPE 3PAR StoreServ 10000 Storage HPE 3PAR StoreServ 7000 Storage HPE 3PAR OS 3.1.1 and onwards
HPE StoreOnce Backup	HPE StoreOnce Backup: HPE D2D 2000, D2D 4000 and HPE StoreOnce B6000 Backup Systems
HPE StoreVirtual Storage	HPE StoreVirtual Storage / VSA running supported versions of LeftHand OS. v.9.5, v.10.5, v.11.0 and v11.5
HPE StoreEasy Storage	HPE StoreEasy 5000 Storage HPE StoreEasy 1000 Storage and HPE StoreEasy 3000 Storage
HPE EVA P6000 Storage	HPE EVA 4x00, HPE EVA 6x00, HPE EVA 8x00, HPE EVA P6000 Storage and HPE Command View EVA Software v.10.0 or later
HPE XP P9000 Storage	XP 24000, HPE XP P9500 and XP7 Storage
HPE MSA P2000 Storage	HPE MSA 2040: Firmware: GL101R01 HPE P2000 MSA G3: Firmware: TS250P003
HPE StoreEver Tape Drives	ESL E-Series, EML E-Series, ESL 6000/9000/12000, and MSL Series
HPE OneView Software	
HPE OneView	OneView 1.2

Installation pre-requisites for HPE Storage management pack available in [HPStorageManagementPackforSystemCenterUserGuide](#).

Simplified Installation, Licensing, and Support

HPE Storage Management Pack can be downloaded free from the following webpage:
https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=System_Center

HPE OneView Management Pack can be downloaded from the following webpage:
<https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=Z7500-63235>

Support for the plug-in is available with an HPE service agreement. To access the HPE support portal, visit: <http://www.hp.com/support>.

HPE Storage UI Add-in for Microsoft System Center Virtual Machine Manager (SCVMM)

HPE Storage UI add-in for System Center Virtual Machine Manager (SCVMM) enables enhanced integration of SCVMM and HPE Storage providing our customers a single pane-of-glass monitoring view of physical, virtual and cloud environments. It automates HPE Storage management and provides an integrated view of VMs and associated storage resources.

Key Features and Benefits:

HPE Storage UI Add-in provides the following –

- Provides dashboard info of VMs, Hosts, LUNs, CPGs, HDDs and their communication protocols

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- Provides context sensitive in-depth info of volumes and their business copies
- Deployment of multiple HPE StoreVirtual Virtual Storage Appliance (VSA) in Microsoft Hyper-V environment
- HPE Storage cluster support for high-availability
- Support for VMware ESX to monitor configuration and infrastructure details
- Support for System Center Virtual Machine Manager 2012 R2
- Support for Microsoft Windows Server 2012 R2

HPE Storage also provides complete integration to enable all Storage Management functionality provided by Microsoft System Center Virtual Machine Manager (SCVMM) via SMI-S providers. This includes:

- **Storage Discovery** - Automatically discover local and remote storage, including storage arrays, pools, and logical units (storage volumes or logical unit numbers (LUNs), disks, volumes, and virtual disks)
- **Storage Classification** - Classify discovered storage using friendly descriptive names to create and expose a simplified storage model
- **Storage Provisioning** - Create new logical units from available capacity for provisioning to a Hyper-V host or cluster.
- **Storage Allocation** - Allocate available storage pools and LUNs to defined host groups that can represent business groups, locations, etc.

What's New

HPE Storage SCVMM UI Add-in:

- Discover and monitor HPE OneView and its resources- Server Profile, Storage system, CPG, Storage Volumes

Supported HPE Storage Systems

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HPE StoreOnce Backup	HPE StoreOnce Backup: HPE D2D 2000, D2D 4000 and HPE StoreOnce B6000 Backup Systems
HPE StoreVirtual Storage and HPE StoreVirtual VSA	HPE StoreVirtual Storage / VSA running supported versions of LeftHand OS. v.9,5, v.10.5, v.11.0 and v11.5

Other product information

The following are helpful resources relating to Operations Manager and Management Pack:

- HPE StoreFront Manager for Microsoft - Product Page
<http://www8.hp.com/us/en/products/storage-software/product-detail.html?oid=7164115>
- Download HPE Storage Management Pack for System Center free from
https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=System_Center
- Download HPE Storage UI Add-in for Microsoft System Center Virtual Machine Manager (SCVMM) from
https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=System_Center
- HPE OneView for Microsoft System Center – Product page
<http://www.hp.com/go/ovsc>
- Download HPE OneView for Microsoft System Center Integration
<https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=Z7500-63235>
- System Center Operations Manager 2007 & R2

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- <http://technet.microsoft.com/en-us/library/bb310604.aspx>
 - SCOM deployment guide and authoring guide:
<http://technet.microsoft.com/en-us/systemcenter/om/bb498235.aspx>
 - Additional MP authoring resources:
<http://technet.microsoft.com/en-us/systemcenter/om/cc671407.aspx>
 - HPE Fabric Management Add-in for HPE Virtual Connect
<http://www.hp.com/go/icsc>
 - Frequently updated Q&A webpage
https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=System_Center#qa
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Summary of Changes

Date	Version History	Action	Description of Change
14-Oct-2016	From Version 3 to 4	Changed	Rebranding edition
01-Jun-2015	From Version 2 to 3	Changed	Changes to description and what's new section
29-Sep-2014	From Version 1 to 2	Changed	Changes made throughout the QuickSpecs.



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