QuickSpecs

Overview

HPE StoreFront Analytics for VMware Software

The HPE StoreFront Analytics software, an adapter for vRealize Operations Manager from VMware, relates virtual machines and datastores to volumes from HPE 3PAR StoreServ and StoreVirtual storage systems. Administrators using HPE StoreFront Analytics are able to visualize and analyze data from their HPE 3PAR StoreServ or StoreVirtual storage array directly within vRealize Operations Manager.

HPE StoreFront Analytics for VMware vRealize Operations Manager installs directly as an adapter extension. It provides basic array health information at no charge, but requires a license for advanced key performance metrics after 60 days evaluation. StoreFront Analytics provides preconfigured dashboards for HPE 3PAR StoreServ and StoreVirtual that allow the vSphere administrator to easily get storage capacity information, optimize their HPE storage systems and enable comprehensive troubleshooting scenarios. These clear relationships between Virtual Machines, datastores, and storage increase the vSphere administrator's productivity, and ability to ensure outstanding quality of service.

HPE StoreFront Analytics is distributed as a management pack that installs directly in VMware vRealize Operations Manager.

Key Features and Benefits:

- Monitors health, performance, and capacity for HPE 3PAR StoreServ and StoreVirtual components including volumes, CPGs, storage systems, controllers, drive cages, disk drives, ports, and fans.
- Provides a visual mapping from virtual machines and datastores to HPE storage components, enabling administrators to quickly identify health, workload, and capacity problems impacting the performance of virtual machines.
- Administrators can quickly identify storage resources that need attention. Identify bottlenecks based on response time. Identify resource hogs based on capacity utilization, IOPS, or throughput.
- Provides preconfigured dashboards focused on monitoring, troubleshooting, and performance analysis. The user can also create their own dashboards customized for their environment using HPE StoreFront Analytics provided metrics.
- VMware vRealize Operations Manager provides advanced capacity planning using the HPE StoreFront Analytics data.

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Standard Features

Key storage performance metrics made visible

The HPE StoreFront Analytics for VMware vRealize Operations Manager uniquely provides key performance metrics and capacity information for HPE Storage in VMware vSphere environments.

Gain insight into your HPE storage performance directly from VMware vCOPS™

The HPE StoreFront Analytics for VMware vRealize Operations Manager provides the user with several ways to access storage information based on the selected VMware object in the user interface. The provided dashboards also allow the user to access different views of the detailed storage information for the selected object(s):

- **HPE Storage Monitoring**: This dashboard provides summary and detailed information about the HPE storage deployed in the VMware environment. Included is summary information describing HPE storage system health, the CPG capacity information, top 10 resource utilization objects and HPE storage system alerts.
- **HPE Storage Troubleshooting**: Provides summary and detailed information about VMs and how they map to HPE storage volumes, pools, disks and ports. Included are metric graphs for key performance metrics such as IOPS and bandwidth which are displayed in relation to the selected object (such as port or volume) of the VMs to volume dependency graph.
- **HPE Storage Performance:** This dashboard provides performance metrics which are collected from the storage system such as Top 5 IOPS for ports, volumes, disks and management groups.

The views are provided as easy to use dashboards and customers can utilize vCOPS widgets to configure their own specialized views based on HPE 3PAR StoreServ and StoreVirtual metrics.

Whats New?

New features in this version:

- Support for VMware vRealize Operations Manager 6.0

Supported HPE Storage

The HPE StoreFront Analytics for VMware vRealize Operations Manager can be used with the following HPE Storage:

- HPE 3PAR StoreServ Storage
- HPE StoreVirtual Storage

Additional details describing supported array platforms can be found in SPOCK under the Application Notes -> Solutions: VMware.

Simplified Installation, Licensing, and Support

The HPE StoreFront Analytics for VMware vRealize Operations Manager software is available from software depot at hp.com. The downloaded installation package includes instructions on how to install it and has an instant on license so customers can use the software right away.

Licenses for StoreFront Analytics 2.1 will work with 3.0. No upgrade of licenses is needed.

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

Ordering Information

Product Description   **Part Number**

Standard Features

HP StoreFront Analytics for VMware vCenter Operations and StoreVirtual Software E-LTU   D4T80AAE

HP StoreFront Analytics for VMware vCenter Operations and 3PAR StoreServ Software E-LTU   D4T81AAE

NOTE:
Electronic software is available in all countries except China and Japan. For China and Japan should order the physical equivalent

Complementary Product Solutions

HPE OneView for VMware vCenter	HPE OneView for VMware vCenter provides ease of management for HPE Storage and Hewlett Packard Enterprise servers and is bundled together. It can be installed separately or together and provides server and HPE storage hardware management capabilities, including comprehensive monitoring, remote control, virtual connect, creating datastores, and power optimization for Hewlett Packard Enterprise servers and HPE storage in the VMware environment. **http://www.hp.com/go/ov4vc**
HPE 3PAR Management Software Plug-in for VMware vCenter	Customers requiring active management with HPE 3PAR StoreServ should deploy and/or continue to use the HPE OneView for VMware vCenter Software (server and storage module). OV4VC plug-in replaces HPE 3PAR Management Software Plug-in to manage the HPE StoreServ 3PAR Array directly from the vCenter management console. **http://www.hp.com/go/ov4vc**
HPE 3PAR Recovery Manager Software for VMware (RM-V)	HPE 3PAR Recovery Manager Software for VMware (RM-V) is an array-based, online VM snapshot and recovery solution that gives superior control over data protection and recovery in VMware vSphere environments—including granular, rapid online recovery of files. By leveraging HPE 3PAR Virtual Copy software, Recovery Manger enables VMware administrators to nondisruptively create hundreds of space-efficient, application-consistent, point-in-time snapshots to protect and recover VMDKs, Virtual Machine File Systems (VMFS), individual VMs, or individual files. Along with the HPE 3PAR Management Plug-In for VMware vCenter, HPE 3PAR Recovery Manager software gives administrators access to all of this functionality from within the familiar and easy-to-use VMware vCenter Server virtualization management console. More details **here**.
Other product information	Additional product materials from the following HPE web pages:
	HPE OneView for VMware vCenter: **http://www.hp.com/go/ov4vc/docs**
	HPE 3PAR StoreServ: **http://www.hp.com/go/3PAR**
	HPE Virtualization with VMware: **http://www.hp.com/go/vmware**

Summary of Changes

Date	Version History	Action	Description of Change
14-Oct-2016	From version 7 to 8	Changed	Rebranding edition
30-Mar-2015	From Version 6 to 7	Changed	Changed made to the entire document
30-Mar-2015	From Version 4 to 5	Added	Added a HPE Storage Performance paragraph in the Standard Features section
26-Sep-2014	From Version 3 to 4	Changed	Changes made on the Standard Features Section
18-Aug-2013	From Version 2 to 3	Changed	Changes made in the Overview and Standard Features sections.
18-Oct-2013	From Version 1 to 2	Changed	Corrected a spelling typo.

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