

HP Virtualization Product Viewer

For the Windows® and Linux operating systems

Software Version: 1.20

Release Notes

Document Release Date: December 2013

Software Release Date: December 2013



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Acknowledgements

This product includes software developed by the Apache Software Foundation (<http://www.apache.org>).

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org>)

This product includes cryptographic software written by Eric Young (ey@cryptsoft.com)

This product includes software written by Tim Hudson (tjh@cryptsoft.com)

This product includes software developed by the Apache Software Foundation (<http://www.apache.org>).

Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
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- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
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- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

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To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

HP Software Solutions Now accesses the HPSW Solution and Integration Portal Web site. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this Web site is <http://h20230.www2.hp.com/sc/solutions/index.jsp>

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HP Virtualization Performance Viewer Release Notes

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HP Virtualization Performance Viewer (vPV) is a web-based analysis and visualization tool that analyzes performance trends of elements in virtualized environments. It enables virtualization monitoring by providing an overview of the environment, near-real-time and historical data analysis and triaging using an interactive dashboard. It also enables monitoring for cloud and hypervisor environments. vPV helps you visualize performance data for elements in the context of each other to rapidly analyze bottlenecks. vPV provides performance monitoring, graphing, and reporting in a single interface.

Some of the key features of vPV are as follows:

- Visualize the data in less than 15 minutes from the time you start the deployment.
- Available as a virtual appliance for easy deployment.
- Triage analysis with the Workbench and capability to trend server utilization across days, weeks, and up to a month.

This document is an overview of the features provided by vPV. It contains important information not included in the manuals or Online Help. You can find information about the following in this document:

- ["What's New in This Release? "](#)
- ["Installation Notes"](#)
- ["Known Problems, Limitations, and Workarounds "](#)
- ["Documentation Updates "](#)
- ["Localization Support "](#)
- ["Open Source and Third-Party Components "](#)
- ["Co-existence with Other HP Software Products "](#)
- ["Integration with Other HP Software Products "](#)

What's New in This Release?

- Optimization - View the resource usage, capacity, allocation, and sizing information. You can use this feature to analyze the capacity usage trends of the resources. For more information, see the *Optimization and Placement* section in the *Online Help*.
- Forecast - View the resource utilization forecast for 90 days based on historic data. You can use this feature to plan resources. For more information, see the *Forecast* section in the *Online Help*.
- Placement - Gives recommendations on the entities where to place VMs in your environment. For more information, see the *Optimization and Placement* section in the *Online Help*.
- Integration with HP Cloud Service Automation. For more information, see the *Integrating with CSA* section in the *Online Help*.
- Guest DrillDown for Advance Troubleshooting - Drill down into a VM to troubleshoot problems affecting the performance of the VM. For more information, see the *Real Time Guest OS Drilldown for Advance Troubleshooting* section in the *Online Help*.

Installation Notes

Installation requirements, as well as instructions for installing vPV are documented in the *HP Virtualization Performance Viewer Installation Guide* provided in PDF (.pdf) format. You can find the Installation Guide on the product installation media at the location - `\paperdocs\vPVInstallGuide.pdf`. You can install the product from the Archive Extractor version, vPV Virtual Appliance, or Linux-based installer.

You can also find detailed information in the vPV *Online Help* after you install the product.

Archive Extractor

The Archive Extractor version of vPV is a quickly downloadable version of the product. Refer the *Readme.txt* file available with the Archive Extractor for using the product. You can extract the contents of the zip file and start using the product immediately.

Virtual Appliance

The OVA file for the virtual appliance version of vPV is signed using GNU Privacy Guard (GPG). You can use the GPG signature to verify that the binaries you have downloaded are from HP and are not tampered. To verify the signature, follow the steps mentioned in the section Verification using GPG, available at the URL: <https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPLinuxCodeSigning>.

To log in to the virtual appliance, the user name is **root** and the default password is **vperf*viewer**.

Note 1: Unlike on the US English keyboard layout, the location of the asterisk (*) key may be different on localized keyboards. Check this when typing the password.

Note 2: If there is a firewall on the system where vPV is installed, ensure that port 8081 is

open to ensure that vPV is accessible in the browser. For accessing in HTTPS mode, port 8444 must be open. For more information on port settings, see the vPV *Online Help*.

After installing vPV, launch the user interface using the URL: <http://<servername>:8081/PV> OR <https://<servername>:8444/PV>.

Support Matrix

You can find the Support Matrix for this product that lists all software and hardware requirements at this location: <http://support.openview.hp.com/selfsolve/document/KM323488>.

Note: Note: Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract. To find more information about support access levels, go to: [Access levels](#).

To register for an HP Passport ID, go to: [HP Passport Registration](#).

The following table lists the support matrix for vPV.

vPV Installer	Platform/Versions	Architecture
Linux Installer	Red Hat Enterprise Linux 6.2, 6.3, 6.4 CentOS 6.2, 6.4	Intel 64
Virtual appliance	CentOS 6.4	Intel 64
Archive Extractor	Windows 7 Windows 8	X64

Note: Install Adobe Flash Player 10.2 or above to launch vPV in the web browser.

Supported Browsers

The following table lists the browsers in which you can access vPV.

Operating System	Supported Browsers
Microsoft Windows	Firefox 24 (ESR) Internet Explorer 10 Google Chrome (latest version)

Known Problems, Limitations, and Workarounds

Known Problems and Workarounds

Problem	When reports are viewed in the PDF format in localized languages, illegible text appears. (QCCR1A147328)
Workaround	View the reports in the HTML format. You can launch the HTML reports in a separate window and save the reports.

Problem	Removal of SCVMM Host from Administration page does not stop data collection on the SCVMM Host. (QCCR1A150686)
Workaround	Data collector on SCVMM host must be stopped before removing the SCVMM host from the Administration page.

Problem	While collecting data for Clusters, data stores, and resources pools from vCenter 5.1 (using VI SDK), the performance data collection fails with read time-out errors. Similar symptom is seen with VI client while plotting data for these entities. (QCCR1A166488)
Workaround	VMware recommends users to upgrade to vSphere 5.5 where this issue is resolved. For more information about the issue and workaround, see the VMware KB article: http://kb.vmware.com/kb/1013829 .

Problem	Some of the vPV features are not available when accessing vPV with IPv6 address. (QCCR1A169922)
Workaround	Use the host name to access vPV instead of IP address.

Problem	After uninstalling vPV, Service Health Reporter (SHR) stops running. (QCCR1A169964)
Workaround	Restart ovtomcatB using command <code>/opt/0V/bin/ovc -restart ovtomcatB</code> .

Problem	PV Collection Daemon does not start after reboot. The <code>ovc --status</code> shows <code>pvcd</code> in aborted state, after rebooting. OR Vertica Database does not start after rebooting. (QCCR1A166511)
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Workaround	<p>If the vPV Virtual Appliance is shutdown abruptly, sometimes the database does not start. Due to this, <i>pvcd</i> exits on rebooting.</p> <p>Restart the <i>pv</i> process (<i>pvcd</i>, Tomcat, and Vertica) after rebooting the machine. Run the command, pv restart from the vPV console.</p>
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Limitations

- vPV does not support upgrade from versions 1.00 or 1.10 to 1.20.
- When more than one vCenter is added to vPV and one of the vCenter is deleted, it takes up to 15 to 20 minutes for the resource count to get updated correctly.
- vPV shows only the primary IP configured on the machine and will not show multiple IP addresses.
- When a datastore is mounted across multiple clusters, in vPV, the datastore is associated only with the first cluster. So, in Treemap and Workbench, you can view the details of the datastore only under the first cluster.
- The vPV reports are not available immediately after adding data sources. You must wait for at least two hours before you start viewing the reports.
- The Configuration Items (CIs) list in the workbench takes a long time to load (4 to 5 minutes) if there are more than 5000 instances in vPV.
- Localization is not supported when installing vPV in the console mode.
- Sometimes, the date range slider, in the Options pane of the Overview page, displays an invalid date (1/1/70) when vCenters are removed from vPV.
- Micro charts for data stores are not available for the first time when you configure the VMware vCenter Server in vPV. It appears after a couple of data collection cycles (after approximately 10 minutes) are complete.
- Micro charts for SCVMM Guests will be available only after the second data collection cycle (after approximately 18 minutes).
- Storage IO metrics are not available for vCenter version 4.x.
- In vCenter version 4.x, when querying the performance metrics for datastore, the value returned is larger than 32-bit and VMware vCenter services fail. The next update (Update 3) contains the fix for the issue. If you have vCenter version 5.0, apply Update 1 for 5.0.

Documentation Errata

The localized versions of the Online Help does not contain some latest information . Refer the English version of the Online Help PDF, available on the [HP Software Product Manuals](#) for the latest documentation.

Documentation Updates

The first page of this release notes contains the following identifying information:

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- Publication date, which changes each time the document is updated.

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2. **Product Version** list.
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You must have Adobe Reader installed to view files in PDF format (*.pdf). To download Adobe Reader, go to the [Adobe](#) web site.

Localization Support

HP supplies vPV localized software and documentation in the following languages:

- English
- Simplified Chinese
- Japanese
- French
- Spanish
- Russian
- Korean
- German

Open Source and Third-Party Components

The source code for the Open Source components for vPV is available at the product bits location for download. The list of Open Source and Third-Party components are available in the *Open Source and Third-Party Components* document, available at */opt/OV/paperdocs*.

Co-existence with Other HP Software Products

vPV can co-exist with the following HP BTO Software products:

- HP Operations agent 11.13
- HP Service Health Reporter 9.30

Integration with Other HP Software Products

vPV integrates with the following HP Software products:

- HP Business Service Management 9.20
- HP Performance Manager 9.00
- HP Cloud Service Automation 3.2

For more information, see the *Integrations* section of the *Online Help*.

We appreciate your feedback!

If you have comments about this document, you can [contact the documentation team](#) by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Release Notes (Virtualization Product Viewer 1.20)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to your_IE_team_PDL@hp.com.