

# HP Virtualization Performance 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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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](mailto:ey@cryptsoft.com))

This product includes software written by Tim Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com))

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

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# HP Virtualization Performance Viewer

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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 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?

- Capacity Usage Trends - View the resource usage, capacity, allocation, and sizing information.
- Forecast - View the resource utilization forecast for 90 days based on historic data.
- Placement - Gives recommendations on the entities where to place VMs in your environment.
- Integration with HP Cloud Service Automation

## 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 password is **vperf\*viewer**.

**Note: 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:** 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 Type	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 querying the performance metrics for datastore, if the value returned is larger than 32-bit, the VMware vCenter services fail.
Workaround	If you are using vCenter version 4.x, the next update (Update 3) contains the fix for the issue. If you have vCenter version 5.0, you can apply the Update 1 for 5.0, which contains the fix for the issue. For more information, see the VMware vCenter Server Release Notes available at <a href="https://www.vmware.com/support/vsphere5/doc/vsp_vc50_u1_rel_notes.html#clientissues">https://www.vmware.com/support/vsphere5/doc/vsp_vc50_u1_rel_notes.html#clientissues</a> .

Problem	When some reports are viewed in the PDF format in localized languages, illegible text appears.
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.
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.
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: <a href="http://kb.vmware.com/kb/1013829">http://kb.vmware.com/kb/1013829</a> .

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

Problem	After uninstalling vPV, Service Health Reporter (SHR) does not work.
Workaround	Restart ovtomcatB using command <code>/opt/OV/bin/ovc -restart ovtomcatB</code> .

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



## 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, the resource count gets updated correctly within 15 to 20 minutes.
- 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.
- If Archive Extractor version of vPV does not start, check if you have Quick Test Professional (QTP) installed on the same system. For more information, see <http://support.openview.hp.com/selfsolve/document/KM543247>.

## 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:

- Software Version number, which indicates the software version.
- Publication date, which changes each time the document is updated.

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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.

## **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

## 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 Performance Viewer 1.20)**

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