

HP OpenView Dashboard

For the Windows®, HP-UX, and Solaris Operating Systems

Software Version: 2.0

Operations View Integration Guide: HP OpenView Performance Manager

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Software Release Date: July, 2006



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Contents

Documentation Roadmap	7
HP OpenView Dashboard Manuals	9
Operations View Online Help	12
Documentation Updates	13
Documentation Conventions	14
1 Introduction the OVPM Integration	15
The Performance Manager Portlet	16
Interaction Between OVPM and Operations View	17
2 Configuring the Operations View Connection to OVPM	19
On the OVPM Management Station	19
On the Operations View Server	20
Running in Languages Other Than English	21
Configuring Operations View to Access UTF-8 Data From OVPM	21
HTTPS Support	22
3 Working with the Performance Manager Portlet	23
Creating the Performance Manager Portlet	24
Configuring the Performance Manager Portlet	25
Using the Performance Manager Portlet	28
Customizing the Performance Manager Portlet	30
Changing the OVPM Management Station	32
Changing the Set of Available Reports	32
Changing the Group of Available Systems or Services	32
Changing the Management Data Filter Assignment	33
Changing the Graph or Report to Display	33
Changing Report Display Size	33

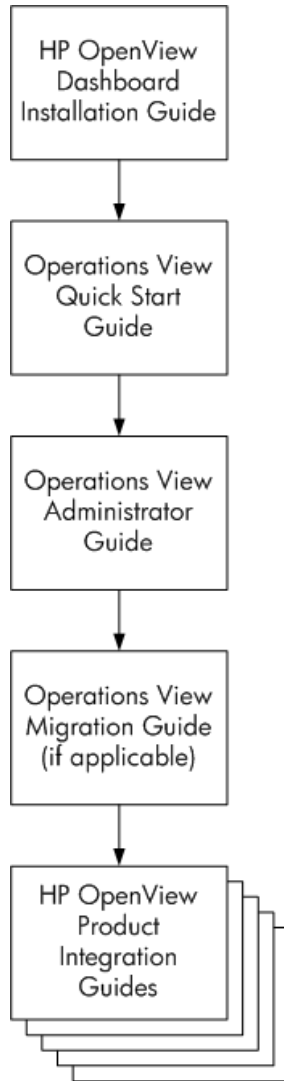
Changing Frequency of Data Points	33
Changing the Time Interval.	34
Changing the Data Sources (Target Systems) for Reporting	34
4 Filtering OVPM Data	35
Creating Node Lists	37
Determining Which Nodes to Add to the Operations View Customer Model	37
Adding Node Lists to the Operations View Customer Model.	38
Adding a Filter Assignment for OVPM Portlets.	40

Documentation Roadmap

Figure 1 on page 8 shows the documentation roadmap for HP OpenView Dashboard Operations View. This roadmap presents a suggested order for reading the manuals available with Operations View:

- 1 Use the *Installation Guide* to install the product.
- 2 Follow the path for Operations View.
 - a Use the *Operations View Quick Start Guide* to carry out the tutorial.
 - b Read the “Essential Concepts” chapter of the *Operations View Administrator Guide* to understand the concepts of working with portlets and portal servers.
 - c Use the *Operations View Administrator Guide* to configure and maintain the product. This guide provides high-level instructions for the common tasks when working with the supplied Operations View portlets
 - d If you are migrating from HP OpenView Service Information Portal to Operations View, use the *Operations View Migration Guide* to complete this task. The *Operations View Administrator Guide* refers you to the *Operations View Migration Guide* at the appropriate point in the portal view implementation process.
 - e Reference the integration guides as needed for specific details on each supported HP OpenView management product. The *Operations View Administrator Guide* refers you to the integration guides at the appropriate points in the portal view implementation process.

Figure 1 Operations View Documentation Roadmap



HP OpenView Dashboard Manuals

Table 1 describes the HP OpenView Dashboard manual set. These documents are provided in Adobe Acrobat (.pdf) format and can be found in the following directories:

- After HP OpenView Dashboard installation, in the following directory on the HP OpenView Dashboard management station:
 - *Windows*: <install_dir>\paperdocs\dashboard\
 - *UNIX*: /opt/OV/paperdocs/dashboard/
- On the product DVD-ROM in the following directory:
 - *Windows*: \Docs\
 - *UNIX*: /Docs/

For information on how to obtain the most recent documents, see [Documentation Updates](#) on page 13.

Table 1 HP OpenView Dashboard Documentation

Document Title and Filename	Main Topics
<i>Installation Guide</i> Installation.pdf	Installing and uninstalling HP OpenView Dashboard
<i>Operations View Quick Start Guide</i> opview/Quick_Start.pdf	<ul style="list-style-type: none">• Running the Operations View demonstration portal view• Operations View tutorial
<i>Operations View Administrator Guide</i> opview/Administration.pdf	<ul style="list-style-type: none">• Essential concepts• Planning roadmap for using Operations View• Connecting Operations View to management products• Configuring Operations View portlets• Configuring Operations View data filters• Deploying a portlet application• Troubleshooting

Table 1 HP OpenView Dashboard Documentation (cont'd)

Document Title and Filename	Main Topics
<i>Operations View Migration Guide</i> opview/Migration.pdf	<ul style="list-style-type: none">• Overview of migrating from HP OpenView Service Information Portal (SIP) version 3.2 to Operations View• SIP and Operations View comparison• Migration use models• Using the Operations View Migration Wizard• Manual steps for migration• Troubleshooting
<i>Operations View Integration Guide: NNM</i> opview/NNM_Integration.pdf	<ul style="list-style-type: none">• Connecting Operations View to HP OpenView Network Node Manager (NNM)• Configuring the NNM portlets• Customizing the NNM portlets• Filtering NNM data• Troubleshooting
<i>Operations View Integration Guide: OVO and OVSN</i> opview/OVO_OVSN_Integration.pdf	<ul style="list-style-type: none">• Connecting Operations View to HP OpenView Operations (OVO) and HP OpenView Service Navigator (OVSN)• Configuring the OVO and OVSN portlets• Customizing the OVO and OVSN portlets• Filtering OVO and OVSN data• Troubleshooting
<i>Operations View Integration Guide: OVIS</i> opview/OVIS_Integration.pdf	<ul style="list-style-type: none">• Connecting Operations View to HP OpenView Internet Services (OVIS)• Configuring the OVIS portlets• Customizing the OVIS portlets• Troubleshooting

Table 1 HP OpenView Dashboard Documentation (cont'd)

Document Title and Filename	Main Topics
<i>Operations View Integration Guide: OVPM</i> opview/OVPM_Integration.pdf	<ul style="list-style-type: none">• Connecting Operations View to HP OpenView Performance Manager (OVPM)• Configuring the OVPM portlets• Customizing the OVPM portlets• Filtering OVPM data• Troubleshooting
<i>Operations View Integration Guide: OVSD, OVPI, and OVR</i> opview/OVSD_OVPI_OVR_Integration.pdf	<ul style="list-style-type: none">• Connecting Operations View to HP OpenView Service Desk (OVSD), HP OpenView Performance Insight (OVPI), and HP OpenView Reporter (OVR)• Configuring the OVSD, OVPI, and OVR portlets• Customizing the OVSD, OVPI, and OVR portlets• Troubleshooting

Operations View Online Help

Operations View supplies the following graphical interfaces for portal and portlet configuration:

- Operations View Administrator Tool
- Operations View Migration Wizard (available from the Administrator Tool)

Each of the Operations View graphical interfaces includes online help files that explain that interface.

- To access the top level of the help content for each interface, use the commands on the **Help** menu.
- To access context-specific help information in the Operations View interfaces, click **Help** within the window for which you want more information.

Documentation Updates

This manual's title page contains the following identifying information:

- Software version number, which indicates the software version
- Document release date, which changes each time the document is updated
- Software release date, which indicates the release date of this version of the software

To check for recent updates, or to verify that you are using the most recent edition of a document, go to:




http://ovweb.external.hp.com/lpe/doc_serv/

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

Documentation Conventions

The Operations View documentation uses the following conventions:

Table 2 HP OpenView Dashboard Documentation Conventions

Symbol	Meaning
<code><install_dir></code>	(Windows only.) The HP OpenView application directory. This directory contains all of the HP OpenView Dashboard files. The default location is: C:\Program Files\HP OpenView\
<code><data_dir></code>	(Windows only.) The HP OpenView data directory. This directory contains product configuration and data files. The default location is: C:\Program Files\HP OpenView\data
<code><portlet_app_dir></code>	The top-level directory for a deployed portlet application. This directory has the same name as the portlet application. The location of this directory depends on the installation platform and the portal server. <ul style="list-style-type: none">• Jetspeed on Windows: <code><install_dir>\nonOV\dashboard\jetspeed\1.6\jakarta-tomcat-5.5.9\webapps</code>• Jetspeed on UNIX: <code>/opt/OV/nonOV/dashboard/jetspeed/1.6/jakarta-tomcat-5.5.9/webapps</code>• BEA WebLogic on Windows (default): <code><bea_install_dir>\user_projects\applications</code>• BEA WebLogic on UNIX (default): <code><bea_install_dir>/user_projects/applications</code> <code><bea_install_dir></code> is the BEA WebLogic directory.
	A note that describes special information pertaining to the current topic.
	A tip that provides an alternate way to address the current topic.
	A caution that indicates a potential problem to avoid.

1 Introduction the OVPM Integration

The HP OpenView Performance Manager (OVPM) product lets you take a proactive approach to monitoring system resource utilization and performance metrics such as overall disk usage, network summary, and CPU utilization on a system-by-system basis. The integration of OVPM into HP OpenView Dashboard Operations View offers a secure and highly customizable portal view of OVPM's currently configured reports.

OVPM generates reports on various performance metrics and displays this data in Operations View as tables and graphs. Operations View communicates with OVPM and requests that OVPM generate the images that the Operations View portlet presents to the user through the portal view.

Operations View protects OVPM information by mapping a portal server user to an OVPM-defined *customer*. The Operations View administrator sets up this mapping through portlet preferences and security constraints in the Operations View Administrator Tool. After the mappings are configured, the Performance Manager portlet displays only information related to a specific OVPM customer. In addition, the Operations View *customer model* allows for further restriction of available monitored systems. For more information about portlet preferences, see “Configuring Communication Between OVPM and Operations View” on page 22.

For more information about the OVPM software, such as establishing *customer* definitions, see the documentation that came with OVPM, such as the *OVPM Administrator's Guide*. All HP OpenView manuals are available online. See [Documentation Updates](#) on page 13.

The Performance Manager Portlet

You can easily perform a real-time export of reports from OVPM through the Operations View Performance Manager portlet. The Performance Manager portlet offers a secure and highly customizable view of the system-specific performance measures that OVPM monitors. You can use the Performance Manager portlet in a portal view to do the following tasks:

- Choose which tables and graphs are displayed according to preconfigured OVPM graph templates and groups.
- Customize various attributes of the resulting images, such as size, granularity (frequency of data points), default time interval, end time, and target systems.
- Connect remotely to OVPM management stations.
- Use multiple instances of the Performance Manager portlet simultaneously. Each portlet instance might connect to the same or a different OVPM management station.
- Enable single-sign-on: Your customer logs into the portal server, and the portal view displays only that customer's configured information from OVPM.
- Within a session, override the default time interval on a per-portlet basis.
- Define the mapping of one or more Operations View data management filter assignments to an OVPM customer.

Interaction Between OVPM and Operations View

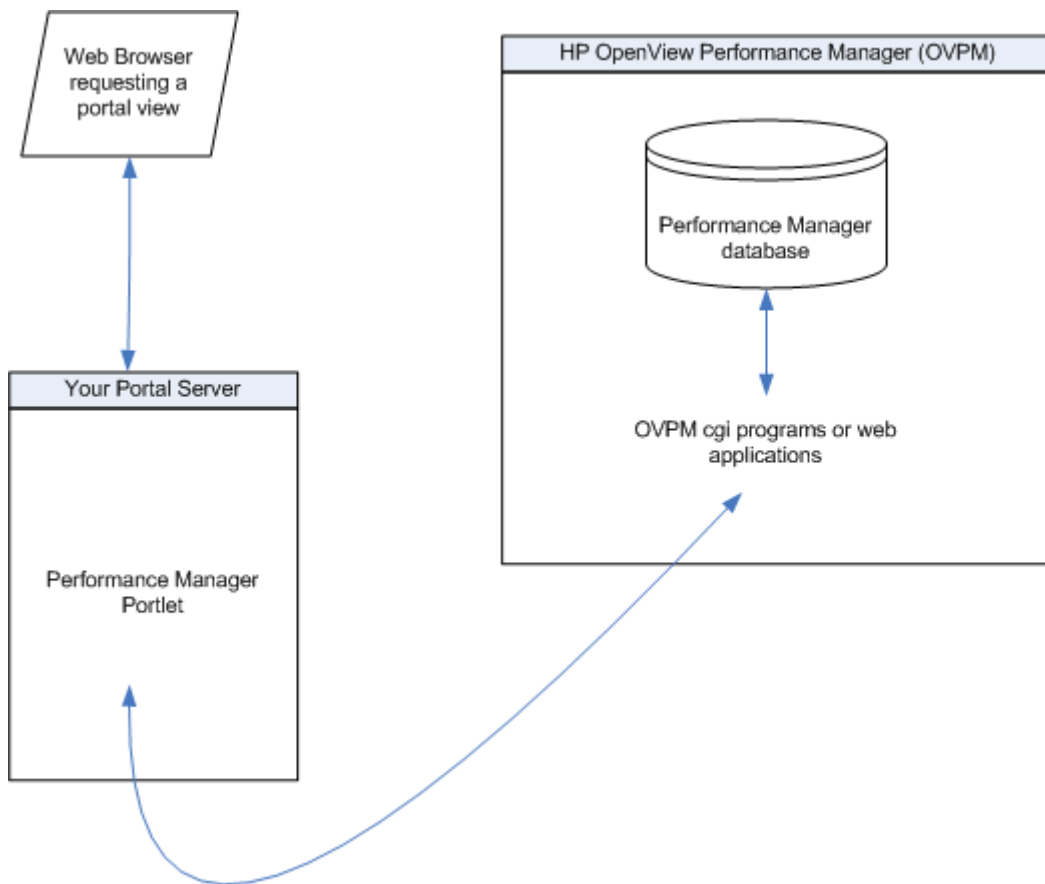
Operations View running on any supported operating system can integrate with any supported version of OVPM, regardless of the OVPM operating system. The *Installation Guide* includes information about supported OVPM versions and required patches.

You can install Operations View and OVPM in any order; however, you must perform at least minimum OVPM configuration before you can configure the Performance Manager portlet. For information on configuring OVPM, see the documentation that came with that product.

Before using the portlet, configure Operations View and OVPM to communicate with each other. See “Configuring Communication Between OVPM and Operations View” on page 22.

Figure 2 illustrates how the Performance Manager portlet communications with OVPM.

Figure 2 Communication Process for the Performance Manager Portlet



2 Configuring the Operations View Connection to OVPM

To establish communication between your HP OpenView Performance Manager (OVPM) management station and HP OpenView Dashboard Operations View, perform the following configurations on each OVPM management station and on the Operations View server.

On the OVPM Management Station

The Performance Manager portlet displays data only for the OVPM *customer* that is specified in the portlet configuration.

Perform the following steps on each OVPM management station in your network:

- 1 Verify that you are using a version of OVPM that is supported by Operations View. Refer to the *Installation Guide* for the list of supported product versions.
- 2 Verify that the OVPM management station has at least one configured *customer*. Make note of the currently defined OVPM *customer* settings and their respective *passwords*, if applicable. You need this information for configuring the portlet.
 - ▶ OVPM allows a default customer "" with default password "". While not secure, this default customer configuration suffices for the Operations View integration.

On the Operations View Server

To enable communication between Operations View and OVPM, follow these steps:

- 1 In the scoping pane of the Operations View Administrator Tool, navigate to the Management Stations folder.
- 2 To add a new OVPM management station, right-click Management Stations, click **New Management Station**, and then type the fully-qualified host name of the OVPM management station.

To add OVPM settings to an existing management station, select that management station in the scoping pane.

- 3 In the editor pane, select OVPM is Installed on this System.
The OVPM tab becomes available.
- 4 On the OVPM tab, set the configuration options as appropriate for the version of OVPM running on the management station that you identified in [Step 2](#):

- **Operating system type:** Select the option that corresponds to the operating system of this management station.
- **Access method:** Select whether to use HTTP or HTTPS for communicating with OVPM.
- **Web server port:** Specify the port that the OVPM web server uses.
 - For HTTP, the default port is 80.
 - For HTTPS, the default port is 443.
- **OVPM 5.0 or later:** Select this check box if the OVPM on this management station is version 5.0 or later.

- 5 Click **Save**.
- 6 Repeat [Step 2](#) though [Step 5](#) for each OVPM management station with which Operations View should communicate.

Running in Languages Other Than English

Any language that can be displayed within the UTF-8 codeset can be displayed through Operations View.

Configuring Operations View to Access UTF-8 Data From OVPM

OVPM does not use the UTF-8 character set that is required by Operations View. Operations View can display data from OVPM running in languages other than English, if you take the following precautions:

- 1 On the Operations View server, when entering the OVPM customer names and passwords into Operations View management station configuration settings, use only ASCII characters. (See [On the Operations View Server](#) on page 20.)
- 2 On the OVPM management station:
 - Ensure that the OVPM *customer* names that Operations View accesses are configured with ASCII characters.
 - If running OVPM in restricted mode, ensure that the OVPM customer *passwords* are configured with ASCII characters.



In Operations View's Performance Manager portlet, the graph's legends and titles always appear in English at this time.

HTTPS Support

The Performance Manager portlet can be configured to use the secure hypertext transfer protocol (HTTPS) for communicating with the OVPM management station.

To configure the Operations View server to OVPM management station communication to use the secure hypertext transfer protocol (HTTPS), see [Step 4](#) on page 20.

3 Working with the Performance Manager Portlet

HP OpenView Dashboard Operations View provides the Performance Manager portlet for integrating with HP OpenView Performance Manager (OVPM).

This chapter describes how to create, configure, use, and customize the Performance Manager portlet. For an overview of the portlet's functionality, see [Chapter 1, Introduction the OVPM Integration](#).

The portal view development process includes a variety of tools:

- 1 Use the Operations View Administrator Tool to create the Operations View portlets within a portlet application. See [Creating the Performance Manager Portlet](#) on page 24.
- 2 Use the Administrator Tool to perform initial configuration of the Operations View portlets. See [Configuring the Performance Manager Portlet](#) on page 25.
- 3 Deploy the portlet application to the portal server. For information, refer to the *Operations View Administrator Guide*.
- 4 Use the portal server software tools to create a portal view that includes the Operations View portlets. For information, refer to the portal server software documentation.
- 5 In a web browser, view the portal view and customize the contained portlets. See [Using the Performance Manager Portlet](#) on page 28.

This is the only point at which end users can interact with the Operations View portlets. If you allow portlet customization, refer to the *Operations View Administrator Guide* for information about the scope and effects of portlet customization.

- 6 Use the Administrator Tool to maintain the Operations View portlet configurations. See [Customizing the Performance Manager Portlet](#) on page 30.

Creating the Performance Manager Portlet

Use the Administrator Tool to create the Performance Manager portlet within an existing portlet application.

To create a Performance Manager portlet, follow these steps:

- 1 In the Administrator Tool, click **File**→ **New**→ **Portlet**.
- 2 In the Add New Portlet window, enter the following information:
 - **Portlet Name:** The name of the portlet as it appears in the portlet application in the scoping pane and in the portal server software tools.
 - The portlet name must be unique, start with a letter or underscore character, and consist of only alphanumeric and underscore characters.
 - **Portlet Title:** The name of the portlet as it appears in the portal server software tools and the portal view. Defaults to the portlet name.
 - **Description (optional):** The portlet description as it appears in the portal server software tools.
 - **Portlet Type:** Select OVPM from the list.
 - **Destination Portlet Application:** Select the portlet application to contain the new portlet.

The new portlet appears in the selected portlet application in the scoping pane, and the configuration information for this portlet appears in the editor pane.

Configuring the Performance Manager Portlet

For information on the Performance Manager portlet configuration options, click **Help** at the bottom of the editor pane to view the online help page.

To configure the default settings for the Performance Manager portlet, follow these steps:

- 1 In the scoping pane of the Administrator Tool, expand the Portlet Applications folder, expand the desired portlet application, and then click the name of the Performance Manager portlet (named OVPM by default).

The editor pane displays the configuration for this portlet as shown here.

General Settings

Portlet Name*:

Portlet Title*:

Portlet Class*:

Description:

Mime Type*:

Portlet Modes*: VIEW EDIT HELP

OVPM Portlet Edit

General Parameters | Query Parameters | Report Parameters

Display Stylesheet*:

Help Content URI:

Customer Name:

Customer Password:

Confirm Customer Password:

Priority of Filter Assignments:

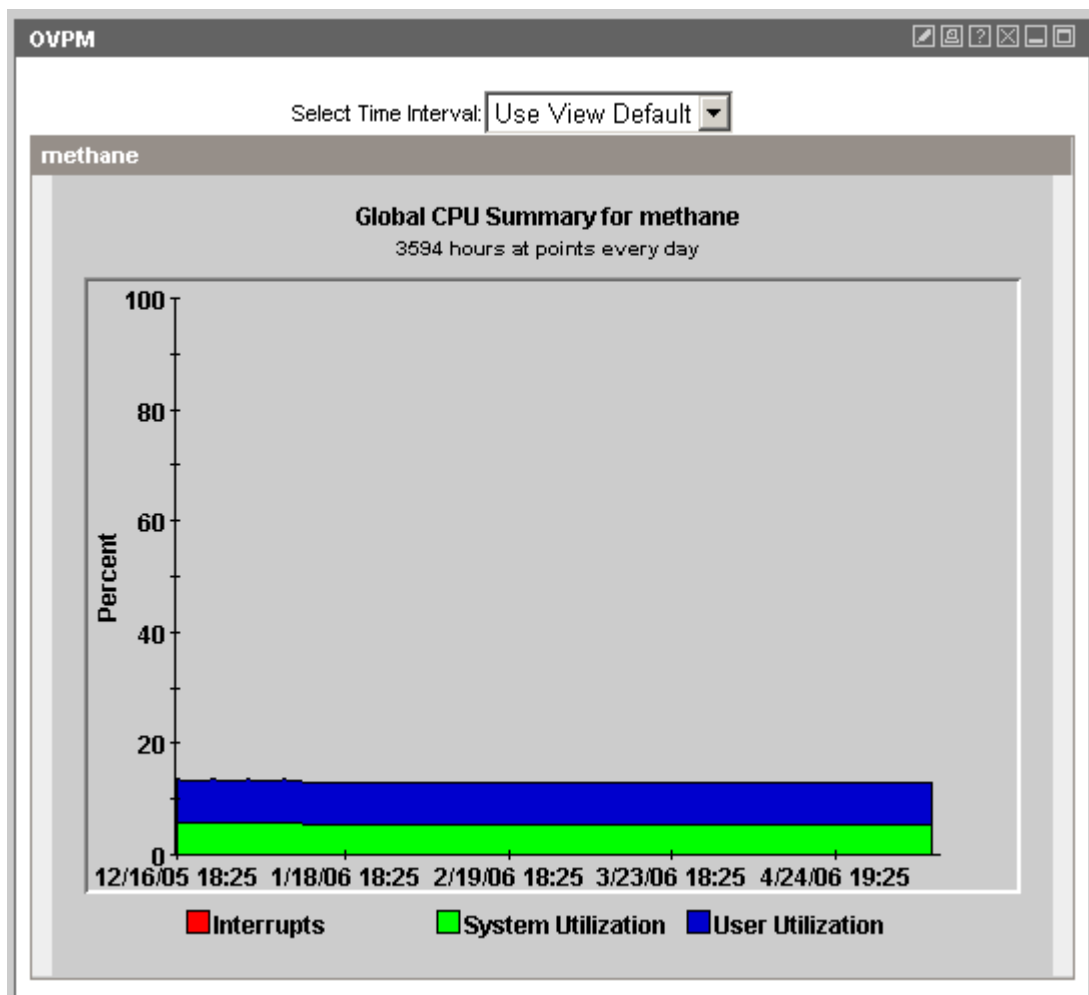
AllData	<input type="button" value="Add"/> <input type="button" value="Move Up"/> <input type="button" value="Move Down"/> <input type="button" value="Remove"/>
---------	---

- 2 In the General Settings area, make any desired changes.
- 3 On the General Parameters tab of the OVPM Portlet Edit area, set the configuration options. At a minimum, specify the correct values for the following options:
 - Customer Name
 - Customer Password (and Confirm Customer Password)
 - Priority of Filter Assignments: See [Chapter 4, Filtering OVPM Data](#) for product-specific information.
- 4 On the Query Parameters tab of the OVPM Portlet Edit area, set the configuration options. At a minimum, specify the correct values for the following options:
 - Default OVPM Server
 - Target Systems Selection
- 5 On the Report Parameters tab of the OVPM Portlet Edit area, make any desired changes.
- 6 Click **Save**.

Using the Performance Manager Portlet

The Performance Manager portlet shows various pre-configured reports focused on performance metrics. Figure 3 shows an example of the Performance Manager portlet.

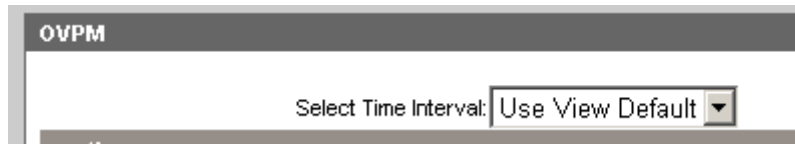
Figure 3 Deployed Performance Manager Portlet



The Select Time Interval list in the title bar of the Performance Manager portlet (shown in [Figure 4](#)) allows the user to set the time interval for the current session's display. After logging off and logging back into the portal, the Performance Manager portlet reverts to the *default* time interval.

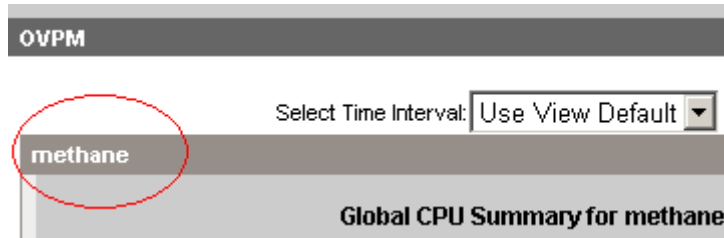
For information about changing the default time interval, see [Customizing the Performance Manager Portlet](#) on page 30.

Figure 4 Select Time Interval



If the Performance Manager portlet displays reports from multiple systems, the system name for each report is displayed above the graph or gauge as shown in [Figure 5](#).

Figure 5 System Identifier



For information about adding systems, see [Customizing the Performance Manager Portlet](#) on page 30.

Customizing the Performance Manager Portlet

If you grant portlet edit privileges, a user of the Performance Manager portlet can change the following configurations for their portlet instance:

These bullet items should probably include:

- OVPM management station
- The set of predefined reports (graph templates) that are available for perusal
- The group of systems or services available for monitoring
- Filter assignment to use for filtering actual available systems
- The graph or report to display
- Report display size
- Frequency of data points
- Span of time covered by the report
- The data sources (target systems) displayed in a given report

Figure 6 shows an example of the Performance Manager portlet edit page.

Figure 6 Performance Manager Portlet Edit Page

Select an OVPM Management Station: **OVPStation**

Graph Template: Performance History

Group: All

Data Filter: AllData

Graph Name: CPU Summary

Report Size: Small

Points Every: day

Default Time Interval: All Available

Use Relative End Time ending Now

Use Fixed End Time

End Date: May 15, 1999

End Time: 15 : 20

Select All Systems

Select Systems From List

Available Systems:		Currently Selected Systems:	
	>>	methane	^
	<<	ovribmt1	v
		tribble	

OK Cancel

Changing the OVPM Management Station

By default, Operations View contacts the OVPM management station specified in the current portlet properties (see [On the Operations View Server](#) on page 20). Operations View gathers OVPM data from the selected server.

To override the default OVPM server, select an available server from the Select an OVPM Management Station list.

- ▶ If you override the default OVPM management station, the exact OVPM *customer* and *password* values associated with the current portlet must match configuration settings on the specified OVPM management station. Operations View only gathers data from OVPM management stations that return the correct customer/password combination.
- ▶ Changing the OVPM management station affects the contents of various lists presented elsewhere on the portlet edit page.

Changing the Set of Available Reports

OVPM defines sets of reports in template files.

To change the available report sets, select one of the templates from the Graph Template list.

- ▶ Changing the graph template selection affects the content of the Graph Name list and the Group list.

Changing the Group of Available Systems or Services

OVPM provides subsets of available target systems through a grouping mechanism.

To change the current group of available target systems, select a group from the Groups list. Select All to make all target systems available.

- ▶ Changing the group selection affects the content of the Available Systems list and, possibly, the Currently Select Systems list.

Changing the Management Data Filter Assignment

The Performance Manager portlet utilizes the node lists defined within the customer model to determine what systems are available for monitoring and reporting.

To change the criteria by which these systems are filtered, select one of the filters from the Data Filter list.

Changing the Graph or Report to Display

OVPM provides predefined reports from which to choose. The set of available reports is determined by the currently selected graph template.

To change the report that is displayed in the Performance Manager portlet instance, select one of the reports from the Graph Name list.

Changing Report Display Size

OVPM provides reports in different sizes.

To change the display size of a report, select a size from the Report Size list.

Changing Frequency of Data Points

OVPM gathers data for display at a fairly fine granularity. You can instruct OVPM to summarize and display data at different frequencies.

To change the frequency of data points within a report, select one of the available frequencies from the Points Every list.

Changing the Time Interval

You can set the time interval to use for display, and you can specify whether the interval should be a “sliding window” relative to the current time or whether the interval’s end point should be a fixed point in time:

- An example sliding window is “the 72 hour period ending 24 hours ago.”
- An example fixed-endpoint period is “the week ending on December 10th, 2005 at 12 AM.”

To change the time interval, select a value from the Default Time Interval list. All graphs, tables, and gauges within this instance of the Performance Manager portlet are generated using the specified time interval.

To set the interval as a sliding window, select the Use Relative End Time option and then select a value from the Ending list to indicate the relative end time for the interval.

To set the interval with a fixed endpoint, select the Use Fixed End Time option, and then set the End Date and End Time values to indicate the end time.

Changing the Data Sources (Target Systems) for Reporting

You can choose the target systems that contribute to the reports displayed in the Performance Manager portlet.

To generate graphs, tables, or gauges for all available systems, select the Select All Systems option.

To generate graphs, tables, or gauges for a subset of available systems, select the Select Systems From List option, and then configure the list of Currently Selected Systems for the target systems to include in the portlet data.



You can add any number of target systems. You can also add the same target system to more than one portlet instance and configure different parameters for those instances. The more systems you choose, the longer the portlets will take to display data.

4 Filtering OVPM Data

Two mechanisms for filtering (segmenting) displayed data are provided for the HP OpenView Performance Manager (OVPM) integration: association with an OVPM customer and application of the HP OpenView Dashboard Operations View customer model.

The first level of Performance Manager portlet filtering is accomplished through the *customer* configuration on the OVPM management station. If customer segmentation of data has not been instituted on the OVPM management station, all resources will be available to all portal roles.

The portlet properties point to a specific OVPM *customer* configuration. The Performance Manager portlet displays the data assigned to the specified OVPM customer. See [Chapter 2, Configuring the Operations View Connection to OVPM](#).

As a second level of Performance Manager portlet filtering, the Operations View customer model allows you to associate resources with *organizations* and filter the available resources based on those associations. Because OVPM is only concerned with monitoring systems, only node resources associated with *organizations* affect Performance Manager portlets. These *organizations* are associated with portal server *roles* so that data is automatically filtered appropriately when a user displays the Performance Manager portlets. This process is optional to enable additional filtering of the Performance Manager portlets on a role-by-role basis. If no node resources are associated with an Organization, no additional filtering is performed, and all node resources available to the associated OVPM customer are available within the portal server role.

Before you proceed, decide whether additional filtering is required beyond that which has been configured on the OVPM management station. If so, then you must decide for which organizations you need to segment data. For example, you might need to provide portal views for several divisions within your company: accounting, marketing, R&D, legal, and support. You could create node lists of the resources assigned to each of these organizations.

Because of the assigned resource lists, each of these organizations could view the same instance of the Performance Manager portlets yet see only the data appropriate for them.

The remainder of this chapter explains how to create resource lists for use in your organizations.

The Performance Manager portlet responds *only* to nodes specified in your node filters for the organization. The Performance Manager portlet displays any nodes that pass your node filters. In the data returned by queries to OVPM, there are references to `SYSTEM` elements within `GROUP` elements. The Operations View node filters key off of the `value` attributes of those `SYSTEM` elements.

Create node lists in the Operations View Administrator Tool that conform to the Operations View customer model specifications.

Creating Node Lists



The Operations View portlets that communicate with HP OpenView Network Node Manager (NNM) are affected by the node lists used with OVPM. Refer to the *Operations View Integration Guide: NNM* for more information on the following portlets:

- NNM Alarms
- NNM Network Device Health
- NNM Topology

Determining Which Nodes to Add to the Operations View Customer Model

If you do not already know the host names of the nodes you want to use in your node list, do the following to gather that information:

- *OVPM 5.0 or later on Windows and OVPM on UNIX*: In a web browser, enter the URL:

```
http://ovpmMgmtStation:8080/OVPM/Analyzer?-info
```

where *ovpmMgmtStation* is the name of the OVPM management station. If applicable, substitute the OVPM port for 8080.

- *OVPM 4.* on Windows*: In a web browser, enter the URL:

```
http://ovpmMgmtStation/HPOV_IOPS/cgi-bin/Analyzer.exe?-info
```

where *ovpmMgmtStation* is the name of the OVPM management station.

The resulting XML will contain lists of GROUP elements that contain SYSTEM elements. The value attributes associated with the SYSTEM elements are candidates for inclusion in your node lists. For example, the following XML would yield Node names of `mdcClient1.co.com`, `codaClient1.co.com`, and `mwaClient1.co.com` that could be associated with a role that uses the group "All". [Figure 7](#) shows example output from the Analyzer command.

Figure 7 Example Analyzer Output

```
<LISTOF_GROUPS>
  <GROUP DisplayName="All" Reporter="0">
    <SYSTEM value="mdcClient1.co.com">
      <DataSource DisplayName="MDC" />
    </SYSTEM>
    <SYSTEM value="mwaClient1.co.com">
      <DataSource DisplayName="MWA" />
    </SYSTEM>
    <SYSTEM value="codaClient1.co.com">
      <DataSource DisplayName="CODA" />
    </SYSTEM>
  </GROUP>
</LISTOF_GROUPS>
```

Adding Node Lists to the Operations View Customer Model

To create a node list, follow these steps on the Operations View server:

- 1 In the scoping pane of the Operations View Administrator Tool, expand the Data Filters folder, expand the Customer Model Sources folder, expand the appropriate customer model source, and then select the organization to modify.

The editor pane displays the organization information.

- 2 In the editor pane, click the Nodes tab.

The Nodes List editor appears as shown here.

Services | Nodes | Interfaces | NNM Topology Objects | VPNs

Node filtering is used by NNM, OVO and OVPM portlets. You can have multiple node lists to help group nodes.

List: OVPMNodeList

Name (i.e. hostname)	Type

List References

href

- 3 To add a new node, click **Add** next to the node list table, and then, in the Add New Node window, type the name of your node.
- 4 To refer to a node list that is defined outside of this organization, click **Add** next to the List References table, and then, in the Add New List Reference window, select a node list.
- 5 After you have completed configuring the node lists for the organization, click **Save**.

Adding a Filter Assignment for OVPM Portlets

After you have created a filter assignment, you can then include this filter assignment in the Priority of Filter Assignments portlet preference in your Performance Manager portlet. See [Step 3](#) on page 27 in [Chapter 3, Working with the Performance Manager Portlet](#).

To create a filter assignment, follow these steps on the Operations View server:

- 1 In the scoping pane of the Administrator Tool, expand the Data Filters folder, expand the Filter Assignments folder, and then select the filter assignment package to modify.

The editor pane displays the filter assignment information page.

- 2 In the editor pane, click **New Filter Assignment**.
- 3 In the Add New Filter Assignment window, enter the filter assignment name, select the filter assignment package to which this filter assignment belongs, and then click **OK**.

The new filter assignment appears selected in the Filter Assignments folder in the scoping pane, and the editor pane displays the configuration for that filter assignment.

- 4 In the Security Constraints area of the editor pane, select which users can access the information identified in the Data Presentation area.
 - **Allow All Authenticated Users:** All users who have logged in to the portal server can see data.
 - **Allow All Users (Including Anonymous Access):** All users, including those who have not logged in to the portal server, can see data.
 - **Allow Users from the Following Portal Roles:** Users of the selected roles can see data.
- 5 In the Data Presentation area of the editor pane, select Show Data for the Following Organizations, and then click **Add**.
- 6 In the Select Organization window, select the organization containing your OVPM node list, and then click **OK**.
- 7 After you have finished configuring the filter assignment, click **Save**.

Index

A

- adding
 - all available target systems to a portlet, 34
 - target systems to a portlet, 34

C

- change time interval, 29
- communication path
 - HP OpenView Performance Manager to Operations View, 17
- configuring
 - OVPMP for non-English language, 21
- customer model
 - creating, 35
 - writing filters, 35
- customizing
 - Performance Manager portlet, 30

D

- default
 - time interval, 34
- default time interval
 - setting, 34
- documentation
 - HP OpenView Dashboard, 9

F

- filtering
 - NodeList, 36

H

- HP OpenView Dashboard
 - documentation, 9
- HP OpenView Performance Manager and Operations View, 15
 - Operations View portlet, 16
- http/https
 - configuration, 19, 20

N

- non-English language mode, 21
 - configuring OVPMP, 21

O

- Operations View
 - and HP OpenView Performance Manager, 15
 - non-English language mode, 21
 - server configuration, 20

P

- Performance Manager portlet, 16
 - adding all available target systems, 34
 - adding and removing target systems, 34
 - change default time interval, 34
 - change time interval, 29
 - customizing, 30
 - optional node list, 35
 - setting default time interval, 34
 - setting time interval as sliding window, 34
 - setting time interval with fixed endpoint, 34
 - understanding, 15, 28

R

- removing target systems, 34

S

- server configuration
 - Operations View, 20

U

- understanding
 - performance metrics, 28

