HP OpenView Reporting and Network Solutions

Network Node Manager and Performance Insight Integration Module User's Guide

Software Version: 2.0

HP-UX, Solaris, and Windows® operating systems



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Support

Please visit the HP OpenView web site at:

http://www.managementsoftware.hp.com/

This web site provides contact information and details about the products, services, and support that HP OpenView offers.

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🔤 HP Passport

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Revisions

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

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

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

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

Table 1 indicates changes made to this document since the last released edition.

Table 1Changes in this document version

Chapter	Changes
All	Style and structure edits to document.
Chapter 2, Installing the Integration Module	Provided description of NNM Node Sources window and how HTTP port numbers should be chosen.
Chapter 3, Launching Device-Specific Reports	Added section on launching from Dynamic Views and updated launching utilities where necessary.

1 Introducing the NNM and OVPI Integration Module

Overview

The NNM and OVPI Integration Module creates tight linkages between HP OpenView Network Node Manager (NNM) and HP OpenView Performance Insight (OVPI). By joining fault management with performance management, the Integration Module enhances problem diagnostic capabilities.

Features and Benefits

The following list outlines the features of the NNM and OVPI Integration Module and its benefits to you:

- It provides additional performance data from NNM, which contributes to faster and easier resolution of network-based service level problems.
- It shares and synchronizes detailed topology information between NNM and OVPI databases to better enable NNM and OVPI to monitor and manage your environment.
- It can forward OVPI threshold traps to a specified NNM management station (or set of NNM management stations).
- It enables you to launch OVPI reports directly from an NNM map or the NNM alarm browser. Reports display information pertinent to the node or alarm from which the action is invoked.
- It can integrate other Reporting and Network Solutions products, such as the NNM Event Report Pack, with NNM and OVPI to further enhance the management and monitoring of networks.

Configuration Points

NNM Node Synchronization with OVPI

To take full advantage of the integration, NNM and OVPI should be managing the same devices. The Node (or Device List) Synchronization feature transfers information about some or all of the devices that NNM manages to OVPI so that OVPI can then perform type discovery and data collection on those devices.

The initial node synchronization takes place during installation of the node synchronization package on OVPI, and then runs automatically each day to ensure that NNM and OVPI stay synchronized. For details, see "Configuring NNM Node Synchronization" on page 21.

NNM Trap Destination for OVPI Threshold Traps

When OVPI report packs containing threshold packages are installed, such as MPLS VPN, OVPI can generate threshold traps specific to that package. The OVPI thresholds feature forwards OVPI-generated threshold traps to designated NNM management stations to display in the alarm browser. NNM places these threshold traps in the OVPI Threshold Alarms category of the NNM alarm browser.

During the installation of the Integration Module, a default trap destination is defined. You must modify this default configuration to point to the NNM management stations that will receive the threshold traps. For details, see "Configuring an NNM Trap Destination for OVPI Threshold Traps" on page 23.

Launching OVPI Reports from NNM

The NNM and OVPI Integration Module provides you with the capability to launch performance reports about nodes in NNM. Reports display information pertinent to the node or alarm from which the action is invoked.

You can launch OVPI performance reports from the following NNM user interfaces:

- From the NNM alarms browser. See "Launching Reports from the Native NNM Alarm Browser" on page 31.
- From Dynamic Views. See "Launching Reports from NNM Dynamic Views" on page 35.
- From NNM maps. See "Launching Reports from an NNM Map" on page 37.

Use the OVPI Report Launchpad window to view a list of reports based on the node information from a selected device or alarm. Then select and launch the desired report from the Report Launchpad window.

Sources of Additional Information

The following documents are sources for additional information:

- NNM: Creating and Using Registration Files
- NNM: Managing Your Network
- OVPI: Administration Guide
- OVPI: Guide to Building and Viewing Reports
- OVPI: Installation Guide
- Reporting and Network Solutions: Interface Reporting Report Pack User Guide
- Reporting and Network Solutions: Threshold and Event Generation Module User Guide

Introducing the NNM and OVPI Integration Module Sources of Additional Information

2 Installing the Integration Module

Pre-Installation Steps

IMPORTANT

You must install the NNM integration components on the NNM server *before* installing the OVPI integration components on the OVPI server. The reason is that OVPI synchronizes the device list by accessing components on the NNM management station.

Before installing the Integration Module, verify that you have installed the following software and all its prerequisites and patches:

OV Performance Insight:

- OVPI 5.0
- The latest service pack

Network Node Manager:

- NNM 7.5
- The latest consolidated patch
- **NOTE** Service packs and patches are available at: http://support.openview.hp.com

If you encounter problems while performing the installation, see "Troubleshooting" on page 42, as well as the latest *NNM and OVPI Integration Module Release Notes* for assistance.

Installing the Integration Module on NNM

Install on a UNIX Operating System

To install the NNM and OVPI Integration Module on an NNM management station with a UNIX® operating system, follow these steps:

- 1. Log on to the NNM management station as user root.
- 2. Mount the Reporting and Network Solutions CD.
- 3. From the CD's top-level directory, execute the command: setup
- 4. Follow the instructions on the screen to install the NNM and OVPI Integration module. The following table lists the decisions you will be asked to make during the installation process:

Option	Description
List of product types	Choose to install NNM Value-add
to install	Components .
List of value-add	Choose to install OV NNM Integration to
components	Performance Insight .

5. When prompted, enter the fully-qualified name of the OVPI server and the port number of the OVPI web server.

Install on a Windows Operating System

To install the NNM and OVPI Integration Module on an NNM management station with a Windows® operating system, follow these steps:

- 1. Log on to the NNM management station as user Administrator.
- 2. Insert the Reporting and Network Solutions media into the CD-ROM drive.
- 3. The installation script should start automatically. If it does not, go to the CD's top-level directory, and then double-click **setup.bat**.

4. Follow the instructions on the screen to install the NNM and OVPI Integration module. The following table lists the decisions you will be asked to make during the installation process:

Option	Description
List of product types to install	Choose to install NNM Value-add Components .
List of value-add components	Choose to install OV NNM Integration to Performance Insight.

5. When prompted, enter the fully-qualified name of the OVPI server and the port number of the OVPI web server.

	Installing Integration Components on OVPI		
IMPORTANT		integration components on the NNM server ntegration components on the OVPI server.	
	For the Integration Module must be installed and config	to function properly, the following packages gured on the OVPI server:	
	• NNM Device Sync package, which is part of the Integration Module package. See "Configuring NNM Node Synchronization" on page 21.		
	• Thresholds package. See the Threshold and Event Generation Module User Guide.		
	• Interface Reporting ifEntry Sync Interfaces package (optional). See the Interface Reporting ifEntry Datapipe User Guide.		
	To install the NNM and OVPI integration components on an OVPI server, follow these steps:		
 Insert or mount the CD media into the CD-ROM drive. Run the installation script: UNIX: From the CD's top-level directory, as user root, execute: 		media into the CD-ROM drive.	
		ipt:	
		directory, as user root, execute:	
		. The following table lists the options you will	
	Option	Description	
	List of product types to install	Choose to install OV Performance Insight Report Packs .	

This step extracts the OVPI Report Pack packages onto your system. When extraction is complete, the Install Wizard window opens ready for you to install the desired OVPI Report Packs.

- 4. In the OVPI Package Manager Wizard window, click Next.
- 5. Select the **Install** radio button and click **Next**.
- 6. Perform the following from the OVPI Report Deployment window:
 - a. Check **Deploy Reports**.
 - b. Enter user name and password. Unless configured differently during installation of OVPI, the user name is trendadm and the password is trendadm.
 - c. Click Next.
- 7. In the OVPI Package Selection window, select the following packages for installation, and then click **Next**.
 - NNM_Device_Sync
 - Thresholds
 - IRifEntry_Sync_Interfaces
- 8. In the OVPI Type Discover window, do the following:
 - a. Check **Run OVPI Type Discover** if you want OVPI to start type discovery now. Note that this process may take awhile. If you want OVPI to perform this at its next scheduled time (default: daily), do not select **Run OVPI Type Discover**.
 - b. Click Next.
- 9. Click Install.
- 10. At the end of the installation process, an HP OpenView NNM Node Sources configuration window opens and prompts you to identify the NNM management stations to be used as sources for status information.

For information on how to enter data in the HP OpenView NNM Node Sources configuration window, see "Configuring NNM Node Synchronization" on page 21.

Configuring NNM Node Synchronization

Use the HP OpenView NNM Node Sources window (shown in Figure 2-1 on page 21) as follows to identify the NNM management stations to be used as sources for device and interface status information:

Figure 2-1 NNM Node Sources Window

🌺 HP OpenView NNM Node Sources		
Name/IP address	HTTP Port Number	Filters
test100.cnd.hp.com	3443	All Nodes
localhost	80	SNMP Only
l		
Ok		

1. Replace the default information with the correct information for your environment. For a description of each column in the Node Sources window, see Table 2-1, "Columns of the Node Sources Window."

Table 2-1 Columns of the Node Sources Window

Column Title	Description
Name or IP Address	The name or IP address of the NNM management station.
HTTP Port Number	The HTTP port number that the NNM management station uses. On UNIX operating systems, the port number should be 3443. On Windows operating systems, the port number should be 80 (default value).

Column Title	Description
Filters	SNMP Only
	<i>Default value.</i> Only nodes that exist in the NNM topology and respond to SNMP are included in the Node Synchronization list.
	Non SNMP Only
	Only nodes that exist in the NNM topology and do NOT respond to SNMP are included in the Node Synchronization list.
	• All Nodes
	All nodes that exist in the NNM topology are included in the Node Synchronization list, independent of their ability to respond to SNMP.
	• .1.2.3.4.5.6 (Sys Object ID format)
	A Sys Object ID may be specified in numerical dot notation. With this option, only nodes with a matching Sys Object ID are included in the Node Synchronization list.
	• isIP (OVW Object Database Capability field)
	An OVW object database capability field may be used as a filter. In this case, only the field name is provided and only nodes that have the associated OVW object database capability set will be included in the Node Synchronization list. For more information on the use of OVW object database capability fields, see the <i>HP</i> <i>OpenView Window's Developers Guide</i> .

 Table 2-1
 Columns of the Node Sources Window (Continued)

2. To configure multiple NNM management stations, right-click, and then select **Add**. Supply the required information for each additional NNM management station.

Post-Installation Steps

After the installation of the NNM and OVPI Integration Module, you must perform the following configuration steps before OVPI threshold alarms can populate the NNM alarm browser and OVPI reports can be generated from NNM nodes:

• Specify the NNM management station to be used as the trap destination for OVPI threshold traps.

For information on how to enter data in the SNMP Trap Destinations List configuration window, see "Configuring an NNM Trap Destination for OVPI Threshold Traps" on page 23.

• Install other Report Packs of interest to you. For example, to monitor MPLS threshold violation traps, install the suite of MPLS report packs and datapipes, including the MPLS VPN Report Pack and the MPLS Thresholds Report Pack. For more information about the OVPI Report Packs, see the individual Report Pack user guides.

Configuring an NNM Trap Destination for OVPI Threshold Traps

During the installation of the OVPI Threshold package, a trap destination for OVPI-generated threshold traps is defined. By default, the OVPI Threshold package sends traps to the localhost.

Configure an NNM Trap Destination on UNIX

To modify the default trap destination on an OVPI server running a UNIX operating system, do the following steps:

- 1. As user trendadm, start the OVPI administrator utility: \$DPIPE_HOME/bin/piadmin
- 2. Click **Objects** in the left-hand pane.
- 3. Double-click Update SNMP Trap Destination. The Thresholds window opens.
- 4. Set the OVPI trap destination to the IP hostname and SNMP port number of the NNM management station to which the traps are to be forwarded, as shown in Figure 2-2 on page 25.

Configure an NNM Trap Destination on Windows

To modify the default NNM trap destination on an OVPI server running a Windows operating system, do the following steps:

- 1. As user Administrator, start the OVPI administrator utility by selecting Start:Programs->HP OpenView->Performance Insight->Management Console.
- 2. Click the **Objects** icon in the left-hand pane.
- 3. From the General Tasks pane, double-click Update SNMP Trap Destination. The Thresholds window opens.
- 4. From the Thresholds window, as shown in Figure 2-2 on page 25, enter the hostname and SNMP port number of the NNM management station to which the traps are to be forwarded in the Server and Port text entry boxes, respectively.
- 5. Click **Apply** for the changes to take affect.

Figure 2-2 Thresholds: Update SNMP Trap Destination Window

Choose an entry from the upper table, edit paramters in the boxes below.

Click the Apply button to save any changes. Click the Cancel button to cancel any changes. Click the OK button to save changes and close the form.

Category	Severity	Server	Port	Community
*	*	test100.cnd.hp.com	162.00	public
Category	*			
Severity	*			
Seventy				
Server	test100.cnd.hp	.com		
Port	162.00			
FUIL	162.00			
Community	public			

Configure Multiple NNM Trap Destinations

Typically, you need only one NNM management station to accept OVPI-generated threshold traps, however, multiple NNM management stations can be configured.

To configure multiple trap destinations for OVPI-generated threshold traps, do the following steps:

1. Start the OVPI administrator utility by executing the following command:

UNIX (as user trendadm): **\$DPIPE_HOME/bin/piadmin**

Windows: Start:Programs->HP OpenView->Performance Insight->Management Console

- 2. Click the **Objects** icon in the left-hand pane.
- 3. Click **File:New** to open the Create a New Managed Object window as shown in Figure 2-3.

Figure 2-3 Create a New Managed Object Window

Name	Description	
Create New Customer	Form to define new customers	
Create New Location	Form to define new locations	
Critate New Node	Form to define new nodes	
Create SMTP Mail Action Definition	Create a new SMTP Mail action definition	
Create SNMP Trap Action Definition	Create a new SNMP trap action definition	
Create User Script Action Definition	Create a new User Script action definition	

- 4. From the list, select Create SNMP Trap Action Definition.
- 5. Click **Create** to display the Thresholds:Create SNMP Trap Action Definition form. See Figure 2-4, "Trap Action Destination Form."
- 6. Enter the host name and SNMP port number of the NNM management station to which OVPI traps are to be forwarded.

Thresho	lds				
Create SNI	MP Traj	p Action De	finition	inve	
This form allows SNM	P trap action de	finitions to be created	for use with the thresh	iolds package.	
normal following a br and Severity of the the the Category and Sev containing data about	each, an action reshold that was erity of the actio t the threshold b p payload see th	PI data. Whenever a do may be invoked. Actio breached. All thresho on match that of the bro preaches will be sent us he Thresholds User Gui an asterisk.	ons are invoked depen Ids are defined with a eached threshold ther sing the parameters de	iding upon the Ca Category and Se an SNMP trap efined below. For	
Example					
Category = FRAME_RELAY Severity = MEDIUM Server = nnm.mydomain.com Port = 162 Community = public		Severity=MEDIUM threshhold breact	If any threshold breached has Category=FRAME_RELAY ar Severity=MEDIUM then an SNMP trap containing details of threshhold breach will be sent to the port 162 on nnm.mydomain.com with community set to public.		
All fields are mandato	iry.				
Click the Apply button Click the Cancel butto Click the OK button to	on to cancel any	y changes.			
Category					
Severity					
Server					
Port					
Port Community					

Uninstalling the NNM and OVPI Integration Module

This section describes the procedure for uninstalling the NNM and OVPI Integration Module from the NNM management station and the OVPI server.

To uninstall the integration components from the OVPI server, follow these steps:

- 1. Using the Package Manager Wizard, uninstall the NNM_Device_Sync package.
- 2. Using the Package Manager Wizard, uninstall the Thresholds package.

Alternatively, you can edit the Update SNMP Trap Destinatin form to unassign NNM management stations as threshold trap destinations as described in "Configuring an NNM Trap Destination for OVPI Threshold Traps" on page 23.

To uninstall the integration components from the NNM management station, enter the following commands from a command line:

- 1. UNIX: cd \$OV_NEWCONFIG/OVPI_INTEGRATION Windows: cd %OV_NEWCONFIG%\conf\OVPI_INTEGRATION
- 2. uninstall.ovpl

3 Launching Device-Specific Reports

The NNM and OVPI Integration Module supports the launching of OVPI performance reports from several NNM user interfaces, including:

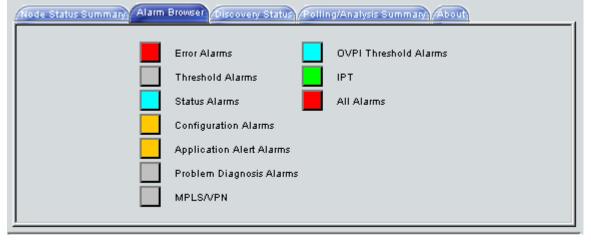
- native NNM alarm browser
- NNM Extended Topology dynamic view
- NNM submap (**ovw**)

A launched report contains information specific to the node that was selected (if launching from a map or view) or the node that caused the alarm (if launching from the alarm browser).

Launching Reports from the Native NNM Alarm Browser

A key feature of the NNM and OVPI Integration Module is the creation of an alarm category, OVPI Threshold Alarms, in the Alarm Categories window of the NNM alarm browser. See Figure 3-1, "OVPI Threshold Alarm Category of the NNM Alarm Browser."

Figure 3-1 OVPI Threshold Alarm Category of the NNM Alarm Browser



You can view alarms received by the NNM management station by double-clicking the OVPI Threshold Alarms category to open the OVPI Threshold Alarms Browser.

NOTE Launching OVPI performance reports from an OVPI threshold alarm is available only from the native NNM alarm browser. In Dynamic Views, you can view threshold traps in the OVPI Threshold Alarms Browser, however, menus for launching OVPI reports are not available.

To launch an OVPI performance report from an alarm in the Threshold Alarms Browser, do the following steps:

1. Select an alarm in the alarm browser.

2. Click Actions:Additional Actions, and then select OVPI Report. Figure 3-2, "OVPI Report from Threshold Alarm Browser," depicts the OVPI Threshold Alarm Browser containing OVPI threshold alarms and also shows the OVPI Report action selected.

Figure 3-2 OVPI Report from Threshold Alarm Browser

Ack Corr Sev	erity Date/Ti	aie	Source	Message	
w w	arning Wed Jar arning Wed Jar Minor Wed Jar arning Wed Jar Minor Wed Jar	22 23 15 39 22 23 15 39	tshp35 cnd hp com tshp35 cnd hp com tshp35 cnd hp com tshp35 cnd hp com	00001 InterfaceReporting InUtilization A 00001 InterfaceReporting OutUtilization 00001 InterfaceReporting InFrors Alarm 00001 InterfaceReporting InDiscards Alar 000001 InterfaceReporting OutErrors Alarm	Alarm for zuul end hp com 2 for zuul end hp com 2 Sev m for zuul end hp com 2 Se
	Major (Ved J Major (Ved J sming Wed J sming Wed J sming Wed J Minor Wed J sming Wed J Minor (Ved J sming Wed J Hajor Ved J Hajor Ved J Major Ved J Major Ved J Critical:0	cope of Action; Selected Alar UnAcknowledge ction: Print Alarms Wint Alarms uit invese HIB Sort Alarms by S Sort Alarms by S	ws	ed Alamis - & Acknowledged Alamis anis In Category an	If a sund cond hyper for sund.cond hyper if end hyperset (if end hyperset) if end hyperset (if end hyperset) if end hyperset) if end hyperset (if hyperset) if end hyperset) if sund hyperset if sund hyperset if sund hyperset if sund hyperset if sund hyperset if sund hyperset if hyperset if hyperset (if hyperset) if hyperset if

The OVPI report launch action is defined for all OVPI threshold alarms. The MIB definition for the OVPI threshold event can be found at:

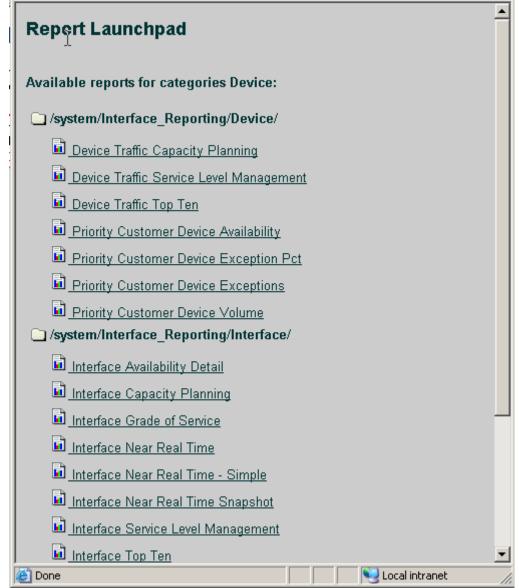
UNIX: \$OV_NEWCONFIG/OVPI_INTEGRATION/hp-ovpi.mib Windows: <install_dir>\conf\OVPI_INTEGRATION\hp-ovpi.mib

- 3. The result of launching the OVPI Report action depends on how the node that caused the alarm is configured.
 - Launching an OVPI report for a node that has an assigned OVPI OID causes the report specific to that OID to launch.

The ${\tt OvpiRptLauncher.conf}$ configuration file contains the assignments of OVPI reports to OVPI OIDs, and is located at:

UNIX: \$0V_NEWCONFIG/OvpiRptLauncher.conf Windows: <install_dir>\conf\OvpiRptLauncher.conf • Launching an OVPI report for a node that does not have an OVPI OID causes the Report Launchpad window to launch, as shown in Figure 3-3, "The Report Launchpad Window."





NOTE

The report launch menu lists items for nodes that are known to NNM as Routers, Bridges, Hubs, or Connectors.

4. From the Report Launchpad window, select the desired report to launch.

A launched report contains information specific to the node that caused the alarm.

Launching Reports from NNM Dynamic Views

To launch a performance report from an NNM Extended Topology dynamic view, do the following:

- 1. Select a node.
- 2. Use either the Performance menu or the OVPI Launch Pad shortcut menu (right-click on the node):
 - Click **Performance: OV Performance Insight**, as illustrated in Figure 3-4, "Launching OVPI Reports from Dynamic Views."

The Report Launchpad window opens, as shown in Figure 3-3, "The Report Launchpad Window," on page 33.

- Right-click, and select **OVPI Launch Pad**.
- 3. Select the desired report to launch.

The launched report contains information specific to the node that was selected.

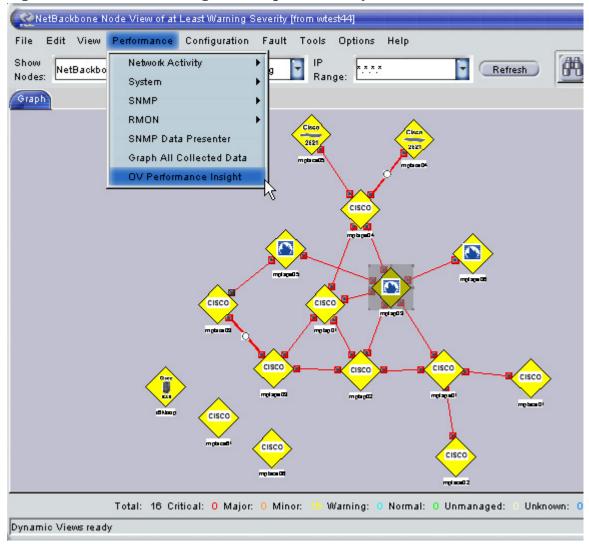


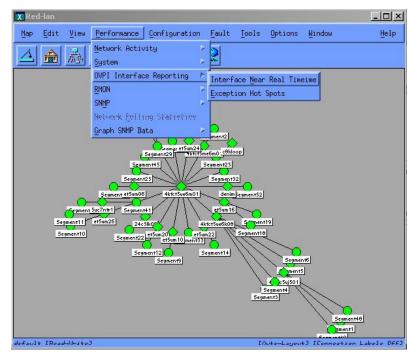
Figure 3-4 Launching OVPI Reports from Dynamic Views

Launching Reports from an NNM Map

To launch an OVPI performance report from an NNM map, do the following:

- 1. Select a node in the NNM map.
- 2. Use either the Performance menu or the report launcher shortcut menu (right-click on the node):
 - Click **Performance: OVPI Report Launcher** as shown in Figure 3-5, "Launching OVPI Reports from NNM Maps."
 - Right-click, and then select **OVPI Report Launcher**.

Figure 3-5 Launching OVPI Reports from NNM Maps



When you launch a report, NNM notifies OVPI of the device name. OVPI, in return, launches a Report Launchpad window that displays a list of appropriate reports for that device.

- 3. From the Report Launchpad window, select the desired report to launch. See Figure 3-3, "The Report Launchpad Window."
- 4. The launched report contains information specific to the node that was selected.

4 Verifying the Installation

This section describes the process for checking if your system is configured properly.

Verifying NNM Node Synchronization

To verify devices have been imported into OVPI from NNM through the NNM node synchronization, follow these steps:

- Start the OVPI administrator utility: UNIX: \$DPIPE_HOME/bin/piadmin Windows: click Start:Programs->HP OpenView->Performance Insight->Management Console; or execute %DPIPE_HOME%\bin\piadmin
- 2. Select Polling Policies.
- 3. Click Edit:Nodes to open the Nodes window.

The Nodes window displays all nodes known to OVPI for data collection, and should contain nodes imported from NNM.

Verifying Report Launching

To verify that OVPI reports can be launched from NNM, try one of the following report launching utilities:

- 1. Verify that you can launch a report from the NNM alarm browser by selecting an OVPI threshold alarm and launching a report with the **Actions:Additional Actions** menu.
- 2. Verify that you can launch a report from a view in Dynamic Views by selecting a node in the view and using the **Performance:OVPI Launch Pad** menu to launch an OVPI performance report.
- 3. Verify that you can launch a report from an NNM map by selecting a node and using the **Performance** menu to launch an OVPI report.

Troubleshooting

Node Synchronization Is Not Working

If no NNM devices are being imported into OVPI from NNM via NNM Device Synchronization, follow these steps:

1. Verify that the NNM management station from which device information is to be imported is running and accepting requests on the port specified during the installation of the NNM_Device_Sync package.

To verify NNM management station is accepting requests via its assigned port, enter the following URL in a web browser:

http://<hostname>:<port>/OvCgi/nodeList.ovpl

where *hostname* is the fully-qualified name of the NNM management station, and *port* is the HTTP port number assigned to the NNM management station during installation of the NNM_Device_Sync package. For NNM management stations running UNIX, the port number should be 3443. For NNM management stations running Windows, the port number should be 80.

Note that the output appearing in the web browser is encrypted.

- 2. Verify that the Trend timer process is running. If it is not, restart it.
- 3. Verify that there is an entry for SyncNodeList in the trendtimer.sched file located at:

UNIX: \$DPIPE_HOME/lib/

Windows: %DPIPE_HOME%\lib

If no entry exists, device synchronization is not taking place. The cause for the missing entry is most likely a failure during installation.

- 4. Check \$TREND_LOG/trend.log for errors.
- 5. Check web server log for error:

UNIX: /var/opt/OV/log/httpd_error_log

Windows: System Events

Launched Reports Contain No Data

If this condition occurs, verify that the NNM device synchronization components are functioning by using the procedures described in "Node Synchronization Is Not Working" on page 42.

NNM Device Sync Installation Fails

Common installation failures include the following:

- All NNM node sources specified by the user are not reachable
- The NNM and OVPI Integration Module was not installed on those NNM management stations.
- The wrong HTTP port number was specified for the NNM management station during the installation of the NNM_Device_Sync package.

Details of the failure can be found in the <code>\$DPIPE_HOME/log/trend.log</code> file.

NNM Device Sync Fails for Some of the NNM Node Sources

This may occur if the NNM node is not reachable, or if the NNM and OVPI Integration Module is not installed on that NNM management station for which the NNM Device Sync failed. The details of the failure can be found in the \$DPIPE_HOME/log/trend.log file.

Unable to open NNM Event reports on Windows

This problem occurs only when NNM is running on a Windows operating system.

When using the NNM and OVPI Integration Module in conjunction with the OpenView Performance Insight NNM Event Report Pack, NNM may not be able to access its version of Perl. As a result, NNM Event reports may not be generated properly.

NOTE

On the NNM management station, modify the Windows PATH environment variable so that the path to NNM's copy of Perl is listed first. When NNM is installed in its default location, the following must be added to the beginning of the Windows PATH environment variable:

C:\Program Files\HP OpenView\bin\Perl\bin

Additional Troubleshooting Resources

For additional troubleshooting information, refer to the latest *NNM and OVPI Integration Module Release Notes* available on the web at http://ovweb.external.hp.com/lpe/doc_serv under the Reporting and Network Solutions product category.

5 Reference

NOTE

The install.ovpl Script

The Perl install script, install.ovpl, modifies Application Registration Files (ARF) with the node name and port information of the OVPI server. It then places these files in the correct location on the NNM management station. This configuration enables node-specific launching of OVPI reports from the NNM management station.

The script prompts you for the hostname of the OVPI server and the port number on which that server receives HTTP requests. See Table 5-1 on page 46 for a complete list of command line options for install.ovpl. For the standard installation, run the script without any options.

Run this script with the version of Perl shipped with NNM.

install.ovpl option	Description
No options <default></default>	If no options are specified, install.ovpl updates every ARF file and browser action file in the OVPI_INTEGRATION directory and places those files in their appropriate locations.
-force all	By default, install.ovpl does not replace ARF files on repeated invocations to guard against accidentally overwriting already configured versions. The use of the force option with the all argument causes install.ovpl to reconfigure and re-place the ARF files located in the OVPI_INTEGRATION directory. This option is useful when modifying every ARF to point to a different OVPI server, or if the HTTP port number on the OVPI server has changed.
<pre>-force <file.arf></file.arf></pre>	Using the <i><file.arf></file.arf></i> argument with the force option causes install.ovpl to configure and place the specified ARF file only. This option is useful when launching different reports on different OVPI servers.

Table 5-1 Command Line Options for install.ovpl

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