HP Operations Integration for HP Systems Insight Manager

for HP Operations Manager for UNIX®

Software Version: 1.60

Installation and Reference Guide

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Contents

1 Overview

HP Systems Insight Manager (HP SIM)

HP SIM is the foundation for the unified server-storage management strategy of HP. It is a multiple operating system, hardware level management product that supports HP ProLiant, Integrity, and HP 9000 servers; HP StorageWorks MSA, EVA and XP arrays; and other third-party arrays. HP SIM provides the basic management features of device discovery and identification, single event view, inventory data collection, and reporting. It easily integrates with other HP management products and plug-ins, such as the ProLiant Essentials, Integrity Essentials, and HP Storage Essentials-Storage Resource Management (HP SE SRM).

HP SIM can be extended to provide system management with plug-ins for HP clients, storage, power, and printer products. It uses plug-in applications for rapid deployment, performance management, partition management, and workload management. This enables you to choose the value-added software required to deliver complete life cycle management of your hardware assets.

Features

- Delivers fault monitoring, inventory reporting, and configuration management for ProLiant, Integrity, and HP 9000 systems; HP StorageWorks MSA, EVA and XP arrays; and various third-party arrays through a web-based GUI or command line.
- Provides base-level management of HP clients and printers. Can be extended with HP Client Management software and HP Web JetAdmin for advanced management capabilities.
- Provides notification and automates response to pre-failure or failure conditions through automated event handling.

- Facilitates secure and scheduled execution of operating system commands, batch files, and custom or off-the-shelf applications across groups of Windows, HP-UX, Linux, and nonstop systems.
- Enables centralized updates of BIOS, drivers, and agents across multiple ProLiant servers with system software version control.
- Enables secure management through Secured Socket Layer (SSL), Secure Shell (SSH), and operating system authentication. SSL is a system for encrypting data sent over the Internet, including e-commerce transactions and passwords. With SSL, client and server computers exchange public keys, enabling them to encode and decode their communication.

Benefits

- **Role-based security**

  Enables effective delegation of management responsibilities by providing system administrators with granular control over users and management operations.

- **Tools definitions**

  Defines tools using simple XML documents that enable you to integrate off-the-shelf or custom tools. These tools can be command-line tools, Web-based tools, or scripts. Access to these integrated tools is governed by role-based security.

- **Data collection and inventory reports**

  Performs comprehensive system data collection, and enables you to generate detailed inventory reports for managed systems. Reports can be generated in HTML, XML, or CSV format.

- **Snapshot comparisons**

  Enables you to compare configuration snapshots of up to four different servers or a single server at a time. This functionality enables the system administrator in identifying configuration issues that can cause to system instability. The snapshot comparisons can also be used to save a picture of standard configuration for comparisons with other systems.

- **HP Version Control**

Downloads the latest BIOS, driver, and agent updates for HP ProLiant servers running on Windows and Linux. It also identifies system running obsolete software, and updates system software across groups of servers. For HP-UX systems, the software distributor is integrated with HP SIM.

For more information about HP SIM, visit the following website:

http://www.hp.com/go/hpsim

Insight Management Agents

HP Insight Management Agents are tools that enhance the management of HP Proliant and Integrity servers. Insight Management Agents are part of the Proliant Support Pack or Integrity Support pack available for download from the HP Software and Drivers downloads. You can find more information about Insight Management Agents at the following websites:

http://welcome.hp.com/country/us/en/prodserv/servers.html

http://h18013.www1.hp.com/products/servers/management/agents/index.html

http://h18013.www1.hp.com/products/servers/management/smartstart/index.html

HP Operations Integration for HP SIM

The HP SIM Integration provides a smart link between HP SIM, Insight Management (IM) Agents, and HP Operations Manager for Unix (HPOM for Unix), a market leading management solution for network systems, databases, and applications in heterogeneous IT environments. The HP SIM Integration implements features for monitoring and managing the HP SIM and IM Agent services, event forwarding, and event acknowledgement between HP SIM and HPOM. It also provides applications to manage some aspects of the functionality of the HP SIM management server and Insight Management Agents. It comprises commands, templates, applications, and groups. The HP SIM Integration can be installed in environments with multiple HP SIM management servers and IM Agent nodes.

Features and Functionality

- **Service discovery**
  - Discovers HPSIM Services and HPSIM managed nodes for HPSIM CMS
  - Discovers IM Agents Services for IM Agent nodes.
- **Service and process monitoring**

  Monitors the availability of the discovered HP SIM service, and the IM Agent services. Service alerts can be communicated to the HPOM Service Navigator and the HPOM Message Browser.
- **ProLiant and Integrity server system monitoring**

  Configures IM Agent SNMP trap destination and templates for IM Agent traps. These templates generate Oper events for server hardware problems. If the default event forwarding and the IM Agent trap templates are both deployed, duplicate events are forwarded from each of these applications.
- **Event forwarding from HP SIM**

  Provides applications to configure forwarding of HP SIM events to HPOM message browser. Forwarding can be configured to use a default event collection, or any customized collection of HP SIM events. The integration also associates an operator action with each HP SIM event to launch the HP SIM web interface for further investigation.
- **Bi-directional event acknowledgement/clearing on HP SIM**

  Can be optionally configured to clear events on HP SIM if the events forwarded from HP SIM to HPOM are acknowledged on HPOM. When configured, events that are cleared on HP SIM are acknowledged on HPOM if they were forwarded from HP SIM and they exist on the HPOM active message browser.
- **Application groups**

  Contain applications to assist in the management of HP SIM and IM Agent nodes. Application groups include applications for adding nodes to HP SIM, executing tools on HP SIM managed nodes, launching the HP SIM web interface, and IM Agents System Management Home page, and so on.

- **Template groups**

  Contain templates for monitoring the HP SIM and IM Agent services, clearing or acknowledging events, and IM Agents SNMP trap interpretation.

- **Contextual launch to HP SIM System page**

  Enables users to initiate contextual launch of the HP SIM Central Management Server (CMS) System page.

  The CMS runs the HP Systems Insight Manager software.

- **Web interface applications**

  Provides applications to launch the web interface for HP SIM, IM Agent, and Remote Integrated Lights-Out.

2 Installing HP SIM Integration

Prerequisites

To avoid problems during the installation of the software, you should read this section and the documents named in this section before you start the installation process.

Hardware Requirements

The following documents explain all the hardware requirements:

- For HPOM 8.x HTTPS managed nodes:

  HP Operations Manager HTTPS Agent Concepts and Configuration Guide

- For HPOM 8.x DCE managed nodes:

  HP Operations Manager (HPOM) DCE Agent Concepts and Configuration Guide

Disk Space Requirements

Table 1 Disk space requirements

System	Operating System	Installation	Runtime Files	Total
HPOM management server (includes documentation)	HP-UX 11.00, HP-UX 11.11, HP-UX 11.23 PA, HP-UX 11. 23 IA Solaris8,9,and10	4 MB	1 MB	5 MB

System	Operating System	Installation	Runtime Files	Total
HPOM managed node	HP-UX 11.00 HP-UX 11.11 HP-UX 11.23 IA HP-UX 11.31 IA HP-UX 11.31 PA HP-UX PA	1MB	1 MB	2 MB
	Solaris 8, 9,10			
	RedHat Linux Advanced Server 3.0 (32–bit and 64-bit) RedHat Linux Advanced Server 4.0 (32-bit and 64-bit) SuSE Linux Enterprise Server 8 (32-bit) SuSE Linux Enterprise Server 9 (32-bit and 64-bit) SuSE Linux Enterprise Server 10 (32-bit)			
	AIX 5.1, 5.2 and 5.3			
	Tru64 5.1B			
	Microsoft Windows 2003 (32-bit & 64-bit OS) Microsoft Windows 2003 R2 (32-bit & 64-bit OS) Microsoft Windows 2008 (32-bit) Microsoft Windows 2008 EE (32-bit)	1 MB	1 MB	2 MB

No additional memory (RAM) is required either on the HPOM management server or on the managed nodes for HP SIM Integration.

Software Requirements

- HP Operations for HP-UX or Solaris, version A.07.2x or A.08.2x
- Service Discovery Component for HP Operations Manager SPI, version A.02.10
- HP Operations Smart Plug-in Self-Healing Information Collector, version A.02.40.000

HPOM Management Server Versions

Table 2 Versions of HPOM management server

HPOM Management Server	Operating Systems	HPOM Agent Types
HPOM for Unix A.08.2x	HP-UX 11.11 HP-UX 11.23 IA/PA Solaris 9 Solaris 10	HTTPS DCE

HP Insight Management Agents

Table 3 HP Insight Management Agents

HP Insight Management Agents	Operating System
HP SmartStart CD v 7.6 HP SmartStart CD v 7.8 HP SmartStart CD v 7.9 HP SmartStart CD v 8.0	• Windows 2003 (32 bit & 64-bit) • Windows 2003 R2(32-bit & 64-bit) • Windows 2008 EE (32-bit)

HP Systems Insight Manager CMS Versions

Table 4 Versions of HP Systems Insight Manager

HP Systems Insight Manager CMS	Operating System
HP SIM 5.1 HP SIM 5.2 HP SIM 5.2 SP1, 5.2 SP2	• Windows 2003 (32-bit & 64-bit) • Windows 2003 R2 (32-bit & 64-bit) • Windows XP Professional, SP2 • HP-UX 11.00/11.11 • HP-UX 11.23 PA/IA • HP-UX 11.31 PA/IA • RedHat Linux AS 4/5 (32-bit & 64-bit) • SuSE Linux ES 9/10(32-bit & 64-bit)

Installing HP SIM Integration

Before you start installing HP SIM Integration on the HPOM for Unix management server, ensure that the HPOM server meets the installation prerequisites discussed at the beginning of this chapter.

Installation on a HP-UX System

You can use either of the following two methods to install the HP SIM Integration software bundle on the HPOM management server:

Using the swinstall Command

Follow these steps:

1. Log on to the HPOM management server as a root user.
2. Mount the DVD. For more information, see the *HP Operations Smart Plug-ins DVD Installation Guide*.

3 Enter the following command to install HP SIM Integration:

```
/usr/sbin/swinstall -s <mount point>/HPUX/OV_DEPOT/
11.0HPUX.depot  HPSIMInt
```

The swinstall command installs the HP SIM Integration software bundle from the depot and performs the basic configuration. The software bundle contains the HP SIM Integration software, configuration files, and the documentation files.

4 Check the /var/adm/sw/swagent.log file for any error.

Using the swinstall GUI

Follow these steps:

1 Log on to the HPOM management server as a root user.

2 Mount the DVD

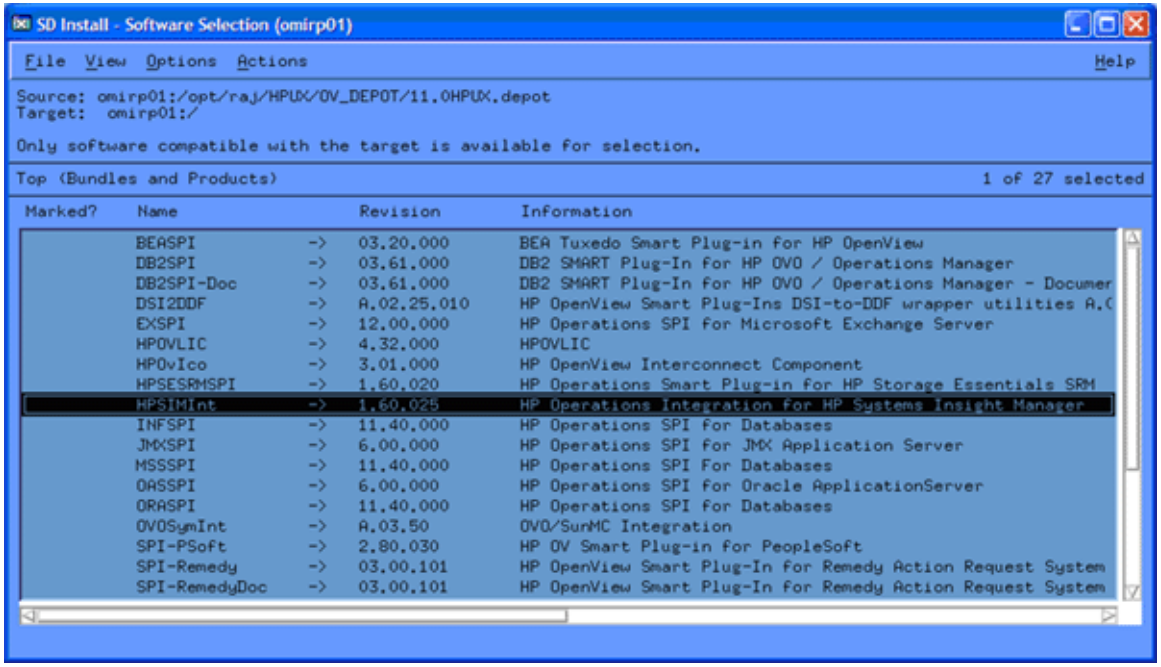
For more information mounting the DVD, see the *HP Operations Smart Plug-ins DVD*.

3 Ensure that the DISPLAY environment variable is set to the appropriate node name.

4 Enter the following command to install HP SIM Integration and select the HP SIM Integration bundle.

```
/usr/sbin/swinstall -s <mount point>/HPUX/OV_DEPOT/
11.0HPUX.depot
```

The SD Install-Software Selection window opens.



5 From the SD Install-Software Selection window, select the **HPSIMInt** bundle.

6 Select **Actions > Install**. The analysis part of the installation starts, which checks whether the system meets the installation prerequisites.

7 Click **Logfile** in the Install Analysis window to check for errors in the analysis phase of the installation.

You can also check the var/opt/OV/log/SPIInstallLogs. file for any errors

If the analysis phase fails, follow the recommendations logged in the/var/adm/sw/swagent.log file and rerun the analysis.

8 After completing the installation analysis without errors, click **OK** in the Install Analysis window to install the selected software.

The message “Status=Complete” is displayed when the analysis phase is completed successfully.

9 Click **Logfile** to verify that the installation phase is complete without errors.

Check the /var/adm/sw/swagent.log. file to verify the installation phase is complete without error.

10 Click **Done** in the Install window to complete the installation.

For more information on installing HP Operations Smart Plug-ins, see the *HP Operations Smart Plug-ins DVD Installation Guide*.

Installation on a Solaris System

You can use either of the following two methods to install the HP SIM Integration software bundle on the HPOM management server:

Using the pkgadd Command specifying the instance

Follow these steps:

1 Log on to the HPOM management server as a root user.

2 Mount the DVD. For more information, see the HP Operations Smart

3 Plug-ins DVD Installation Guide.

4 Enter the following command to install HP SIM Integration:

```
/usr/sbin/pkgadd -d <mount point>/SOLARIS/OV_DEPOT/
HPOMSpiDVD-8.1.sparc  HPOvSpiSimint
```

The pkgadd command installs the HP SIM Integration software from the sparc file and performs the basic configuration. The sparc file contains the HP SIM Integration software, configuration files, and the documentation files

Using the pkgadd command to selecte the instance from the menu

Follow these steps:

1. Log on to the HPOM management server as a root user.
2. Mount the DVD

For more information mounting the DVD, see the HP Operations SmartPlug-ins DVD.

3. Ensure that the DISPLAY environment variable is set to the appropriate node name.
4. Enter the following command to install HP SIM Integration by selecting the HP SIM Integration instance

```
/usr/sbin/pkgadd -d <mount point>/SOLARIS/OV_DEPOT/
HPOMSpiDVD-8.1.sparc
```

The instances get listed in a menu

5. From the menu list, select the HPOvSpiSimint instance and complete the installation

Verifying Installation

Verifying Installation on a HP-UX System

Follow these steps:

1. At the command prompt, enter the following command:

```
/usr/sbin/swlist HPSIMInt
```

The command returns the following:

```
HPSIMInt 01.60.027 HP Operations Integration for HP
Systems Insight Manager HPSIMInt.HPovSPISIMInt
```

The HP SIM Integration product bundle contains the following filesets:

Table 5 List of filesets in HP SIM Integration product

SD Product	SD Filesets	Description
HPSIMInt	01.60.027	Contains executables, scripts files to run HP SIM Integration for HPUX and Solaris.

Verifying Installation on a Solaris System

At the command prompt, enter the following command:

```
/usr/sbin/pkginfo HPOvSpiSimint
```

The command returns the following:

```
application HPOvSpiSimint HP Operations Integration for HP
Systems Insight Manager
```

Table 6 List of elements

Window	Element
Node Group Bank	HP SIM CMS-Unix HP SIM CMS-Win IM Agents-Win
Application Bank	HP SIM Integration • HP Systems Insight Manager-Unix • HP Systems Insight Manager-Win • HPSIMIntUtils • Insight Management Agents
Message Group Bank	HPSIMInt-IMAgents HPSIMInt-Systems_Insight_Manager

Window	Element
Message Source Templates	HP SIM Integration • HPSIMCMS-Unix • HPSIMCMS-Win • HP SIM Event Acknowledging • HPSIMInt Service Discovery • IMAgents-Win
User Profile Bank	HP SIM Integration Admin
User Bank	hpsimint_op

2 On the HPOM GUI, check the following assignment of template groups to the HP SIM Integration node groups. If any of the assignments are not present, manually assign the node groups to the template groups from **Action > Agents > Assign Templates**.

Table 7 List of template groups assigned to node groups

Node Groups	Template Groups
HP SIM CMS-Unix	HP SIM Event Forwarding-Unix
HP SIM CMS-Unix	HP SIM Service Monitoring-Unix
HP SIM CMS-Win	HP SIM Event Forwarding-Win
HP SIM CMS-Win	HP SIM Service Monitoring-Win
IM Agents-Win	IM Agents-Win

3 Check the following log files for more information on installation problems on HPUX:

```
/var/adm/sw/swagent.log
/var/adm/sw/swinstall.log
```

4 Check the following log file for more information on HPSIMInt configuration problems:

```
/var/opt/OV/log/SPIInstallLogs/HPSIMInt_Install.log
```

Installed File Locations

The installation process copies the necessary files on the HPOM management server and creates the folowing files and directories:

Table 8 Location of the installed files

Component	Location
Binaries	/opt/OV/lbin/HPSIMInt
HPOM Server Configuration	/var/opt/OV/share/tmp/OpC_appl/HPSIMInt
Operations Manager Local Registration File (LRF)	/etc/opt/OV/share/lrf/hpsim_ack.lrf
Icon Files for Applications	/etc/opt/OV/share/bitmaps/C/software
Service Discovery Configuration File for Unix	/var/opt/OV/conf/SPISvcDisc/ HPSIMInt_HPSIM-Unix_DiscConf.sh
Service Discovery Configuration File for Windows	/var/opt/OV/conf/SPISvcDisc/ HPSIMInt_HPSIM-Win_DiscConf.sh
Service Discovery Configuration file for IM Agents for Windows	/var/opt/OV/conf/SPISvcDisc/ HPSIMInt_IMAgents-Win_DiscConf.sh
Daemon Binary	/opt/OV/bin/OpC/HPSIMIntAck
Icon Files for Service Elements	/opt/OV/www/htdocs/ito_op/images
Application Icon Registration File	/etc/opt/OV/share/symbols/C/Software/ Software_HPSIMInt

The following directories are deployed to the DCE managed nodes.

Table 9 List of directories deployed to the DCE managed nodes

Operating System	Installed Location
HP-UX, Linux	/var/opt/OV/bin/OpC/cmds
Microsoft Windows	\usr\OV\bin\OpC\cmds

The following directories are deployed to the HTTPS managed nodes.

Table 10 List of directories deployed to the HTTPS managed nodes

Operating System	Installed Location
HP-UX, Linux	/var/opt/OV/bin/instrumentation
Microsoft Windows	%OvInstallDir%\bin\instrumentation

The HP SIM Integration commands scripts are copied to these paths when the HP SIM Integration commands are deployed to the managed nodes.

3 Configuring HP SIM Integration

Once HP SIM Integration is configured, the following functions are enabled:

- Service discovery
- Service monitoring
- Forwarding and interpreting IM agent SNMP traps
- Event forwarding from HP SIM to HPOM
- Event acknowledgement on OM when corresponding events are cleared on HP SIM
- Event clearing on HP SIM when corresponding events are acknowledged on the OM message browser

To configure HP SIM Integration, complete the following tasks in the order given.

Task 1: Identify the nodes to be managed by OM

The first step is to identify the nodes that have to be managed by the OM. The OM must manage the nodes that are required to be monitored either as agent Managed Nodes or agentless Nodes otherwise all the events generated from those nodes will be discarded by OM .

The next step is to install the HPOM agent on all the nodes where HP SIM or IM Agents are installed.

Task 2: Install the HP Operations Agent on Nodes

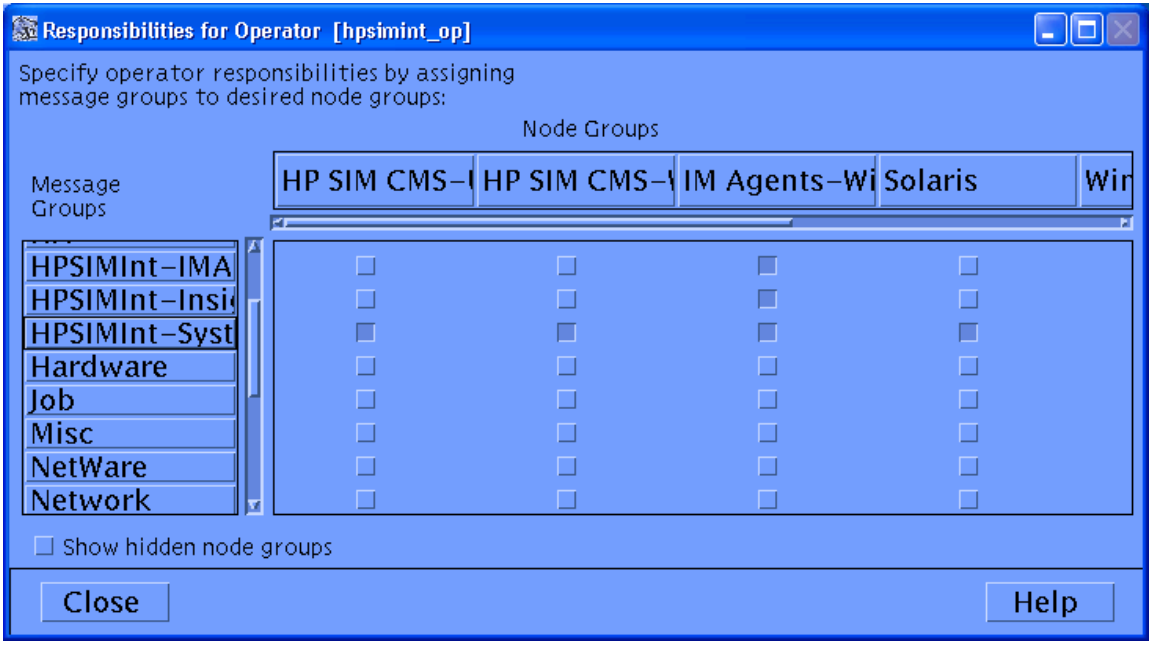
Before starting the HP Operations agent installation, ensure that the system on which you want to install the HP Operations agent meets the installation requirements described in Prerequisites on page 15.

You can install the HP Operations agent on a managed node by various methods. These methods are described in the *HP Operations for Unix Installation Guide* and in the manuals listed on page 15.

Task 3: Assign HP SIM Integration User Responsibilities

With HP Operations Manager, user responsibilities can be assigned through user profiles or by individually assigning responsibilities by modifying the user definition. The installation of HP SIM Integration adds the user profile HP SIM Integration Admin in the User Profile Bank and adds the user hpsimint_op to the User Bank.

To work with HP SIM Integration, you must either log on as the hpsimint_op user, or assign the HP SIM Integration Admin profile to the user you are logged on as, or modify your user to give authorization for HP SIM Integration applications and assign responsibilities for HP SIM Integration message groups.

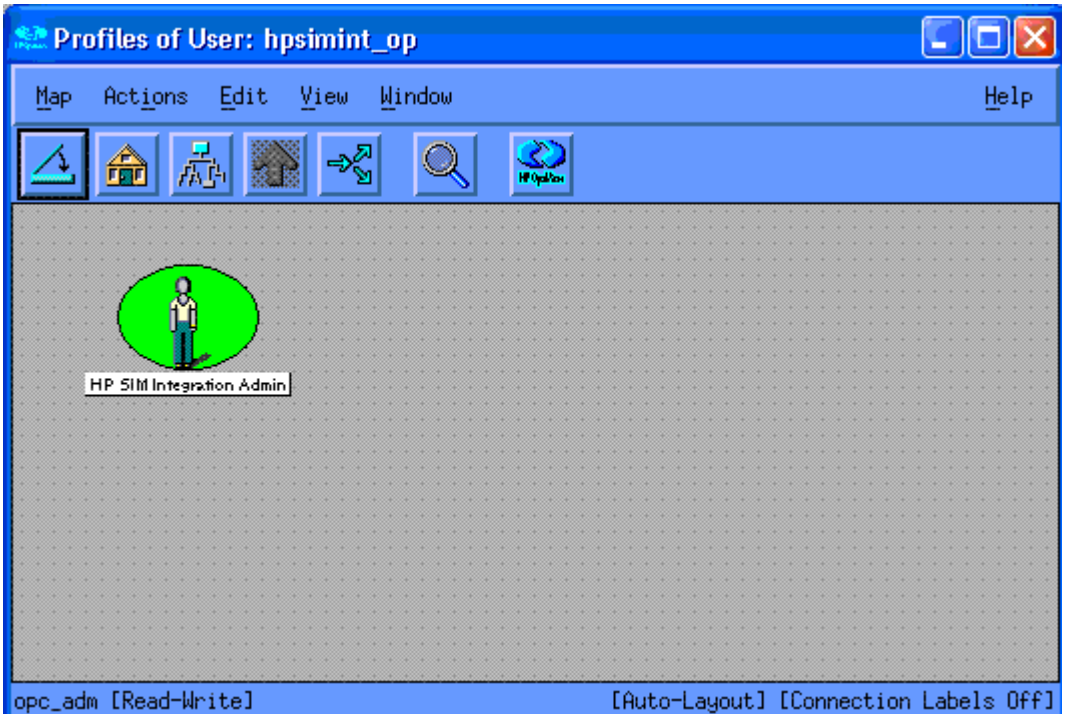


The HP SIM Integration Admin user template authorizes a user for the following functions:

- Message browsing of the HPSIMInt-Systems_Insight_Manager, and HPSIMInt-IMAgents message groups
- Execution rights to any application in the HP SIM Integration application groups

To assign the profile to an OM user, follow these steps:

1. Open **OM User Bank** and **OM User Profile Bank**.
2. Right-click user, and select **Modify**. The Modify User window opens.
3. Click **Profiles**. TheProfiles of User window opens.



4 Drag and drop **HP SIM Integration Admin** from OM User Profile Bank to the Profiles of User window.

5 Click **OK** in the Modify User window.

For more information on assigning user responsibilities, see the *HP Operations Manager for Unix Concepts Guide*.

Task 4: Assign Nodes to HP SIM Integration Node Groups

HP SIM Integration automatically creates the following node groups with the appropriate template groups already assigned:

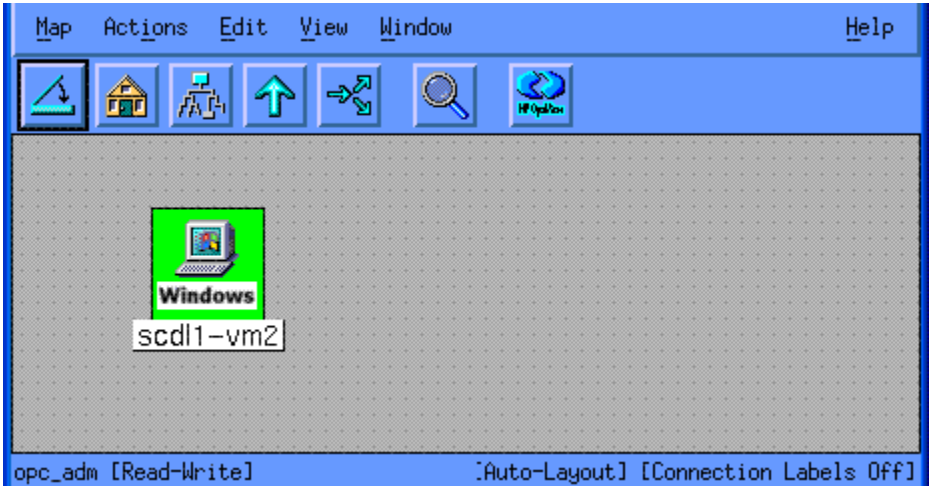
- HP SIM CMS-Win

- HP SIM CMS-Unix
- IM Agents-Win

To add a managed node to the HP SIM CMS node group, follow these steps:

1. Open the OM Node Bank and Node Group Bank windows.
2. Drag a node from the OM Node Bank window and drop it into the **HP SIM CMS-Unix** *or* **HP SIM CMS-Win** (depending on your node's operating system) OM Node Group Bank window.

   You can also open the desired HP SIM Integration node group, drag nodes from the Node Bank, and drop them into the desired HP SIM Integration Node Group window. The following figure shows a node added to the HP SIM CMS-Win node group.



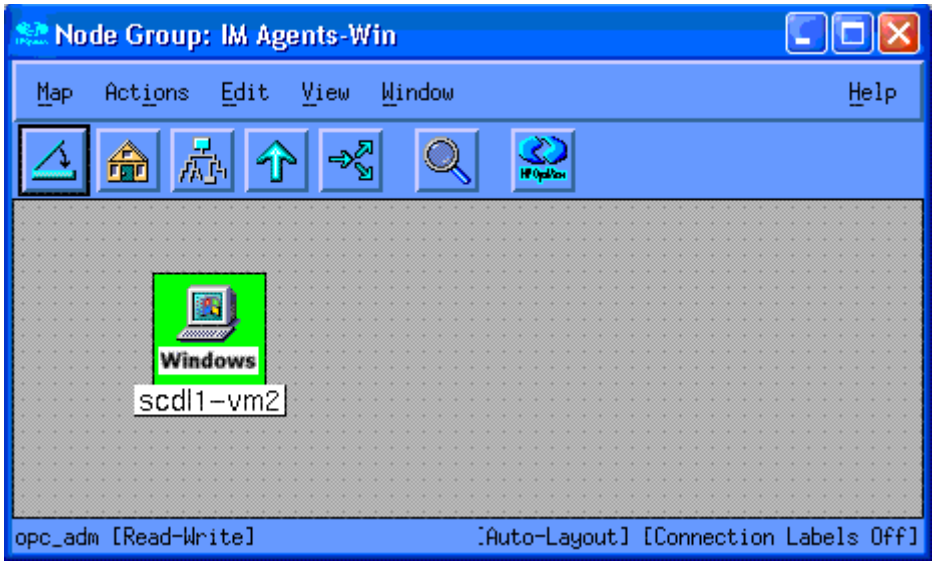
Adding an IM Agent Node to an IM Agent-Win Node Group

Only Windows installations of the IM Agents are supported by HP SIM Integration.

Follow these steps:

1. Open the OM Node Bank and OM Node Group Bank windows.
2. Double-click **IM Agent-Win**. The IM Agent-Win window opens.

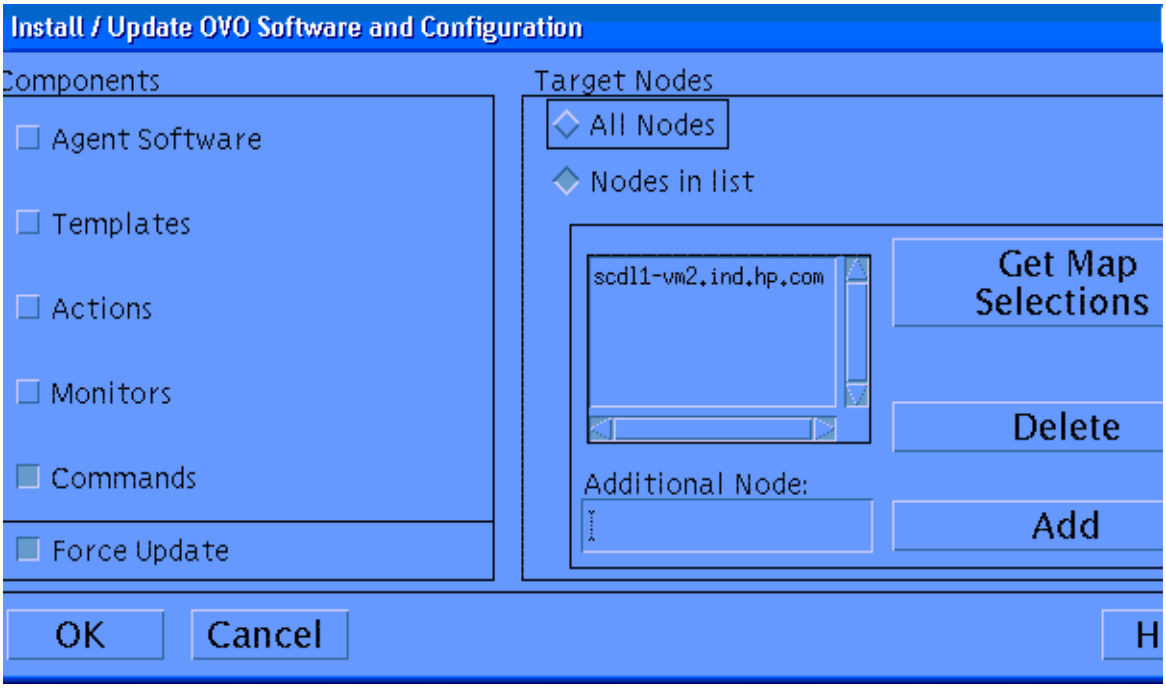
3 Drag and drop a node from the OM Node Group to the IM Agent-Win node group. The following figure shows the node added to the IM Agent-Win node group.



Task 5: Distribute Commands on HP SIM or IM Agent Nodes

To distribute commands on each HP SIM or IM Agent node, select the appropriate node from the Node Bank and follow these steps:

1 Select **Actions > Agents > Install / Update SW & Config**. The Install / Update OM Software and Configuration window opens.



2 Select **Commands**.

3 Select **Force Update**.

The following message should appear in the message browser for each managed (HP Storage Essentials SRM CMS and CIM Extensions) node:

```
The following configuration information was successfully
distributed: Commands
```

This message appears when:

- The node is assigned to the appropriate HP SIM Integration node group.
- The user has privileges for the OpC message group.

Task 6: Configure the HP Operations Agent for a Non-Root User

For information on configuring the HP Operations Agent to run as an alternative user, see the *HP Operations Manager HTTPS Agent Concepts and Configuration Guide*.

Follow these steps.

1. Log on to the managed node as a root user, and open a terminal window.
2. Open the following instrumentation directory for the HTTPS node:

   ```
   cd /var/opt/OV/bin/instrumentation
   ```

3. Enter the following command at the command prompt to generate the HPSIMInt.su file:

   ```
   ./HPSIMInt_perl HPSIMInt_root.pl.
   ```

   The following message should appear:

   ```
   The script has completed successfully.
   ```

Providing Access to HP SIM Integration Applications

Follow these steps:

1. Log on to the managed node as a root user, and open a terminal window.
2. Open the following file:

   ```
   /etc/HPSIMInt.su.
   ```

3. Edit the file by uncommenting or adding the following lines:

```
root:/opt/mx/bin/mxstart
root:/opt/mx/bin/mxstop
```

This enables a non-root user to start or stop HP SIM services.

```
root:*
```

This enables a non-root user to run the Get HP SIM Nodes, Add Nodes to HP SIM, Get HP SIM Tool Status, and Get HP SIM Credentials applications.

Task 7: Obtain HP SIM CMS Credentials

To activate the functionality provided with HP SIM Integration, you must first enter the HP SIM credentials for each HP SIM management server. The credentials entered must be that of an HP SIM user having full configuration rights and authorization for all tools, all managed nodes, and the CMS. This step is required only for the HP SIM CMS nodes.

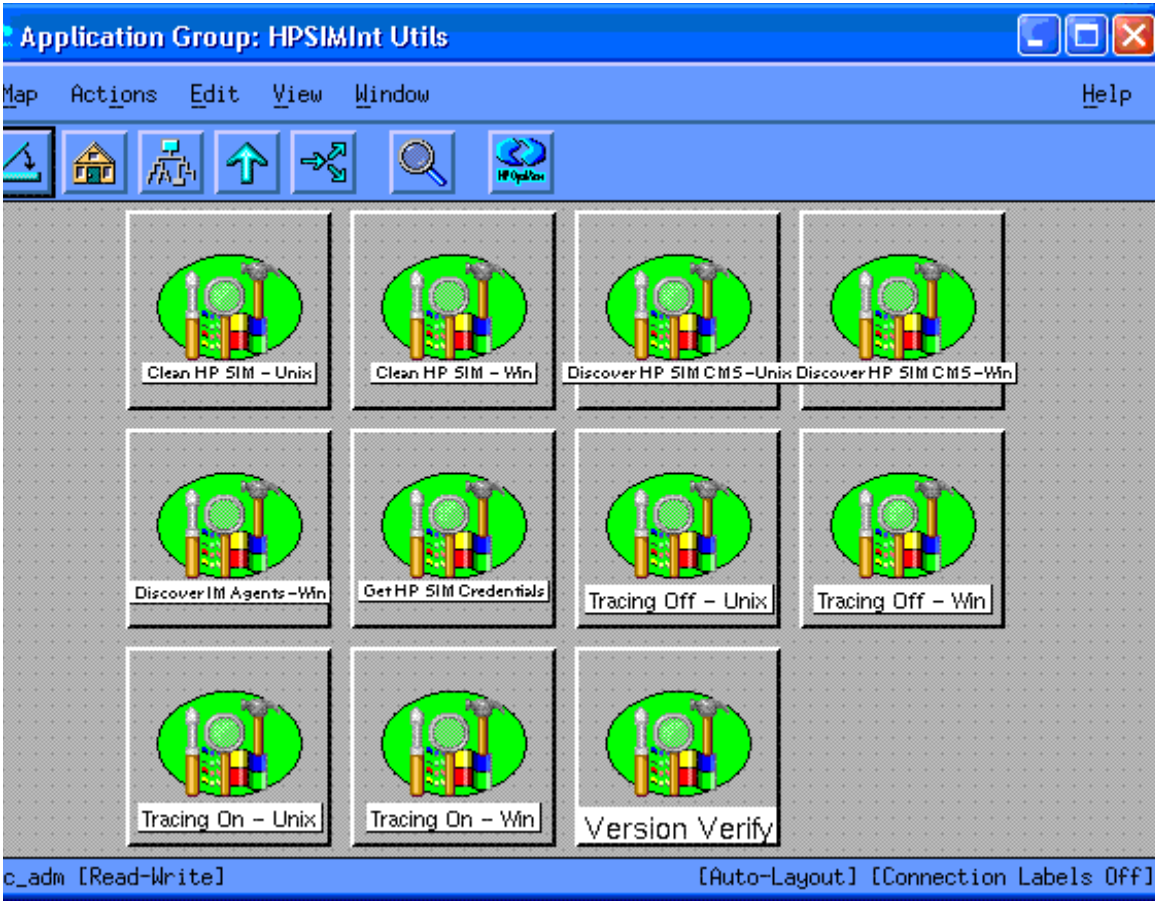
HP SIM Integration components that require valid HP SIM logon credentials are the following:

Table 11 List of HP SIM Integration components which require valid HP SIM logon credentials

Applications	Function
Create Events Task	Event clearing from OM for Unix to HP SIM
Fwd ClearedImp Events	
Fwd Imp Events	
Remove Events Task	
Remove Query	
Stop Fwding Cleared Imp Events	
Stop Fwding Imp Events	

To enter HP SIM CMS Credentials, follow these steps:

1 From the OM Application Bank window, open **HP SIM Integration > HPSIMInt Utils**. The HPSIMInt Utils application group window opens.



2 Drag the HP SIM CMS node from the Node Bank, and drop it on the Get HP SIM Credentials application. The terminal window opens.

The following message appears when the selected node is HP SIM CMS on Windows:

```
Enter the HP Systems Insight Manager DOMAIN\username:
```

The following message appears when the selected node is HP SIM CMS on Unix:

```
Enter the HP Systems Insight Manager username:
```

3 At the prompt, enter the user name for HP SIM on this node and press **Enter**.

HPSIMusercode must have privileges to add, remove, and modify tasks and queries.

The following message appears:

```
Enter the HP Systems Insight Manager password:
```

4 At the prompt, enter the HP SIM password and press **Enter**. The following message appears:

```
Re-enter password:
```

5 Re-enter the password to confirm.

The application attempts to verify the user name and password. On success, you are prompted to press **Return** to exit.

If the credentials entered are not accepted by HP SIM, the following message appears:

```
Failed to validate the HP SIM CMS credentials. Possible
causes could be:
1. HP SIM CMS is not installed
2. HP SIM CMS service is not running
3. HP SIM CMS credentials incorrect
Press return to exit.
```

6 Press **Enter** to close the terminal window.

Event forwarding and task creation do not function correctly if the user name and password are incorrect.

If you do not know the user name and password, contact your system administrator.

After successful execution, the hpsimcms.conf file is created on the HP SIM CMS node.

Task 8: Set Up Service Discovery

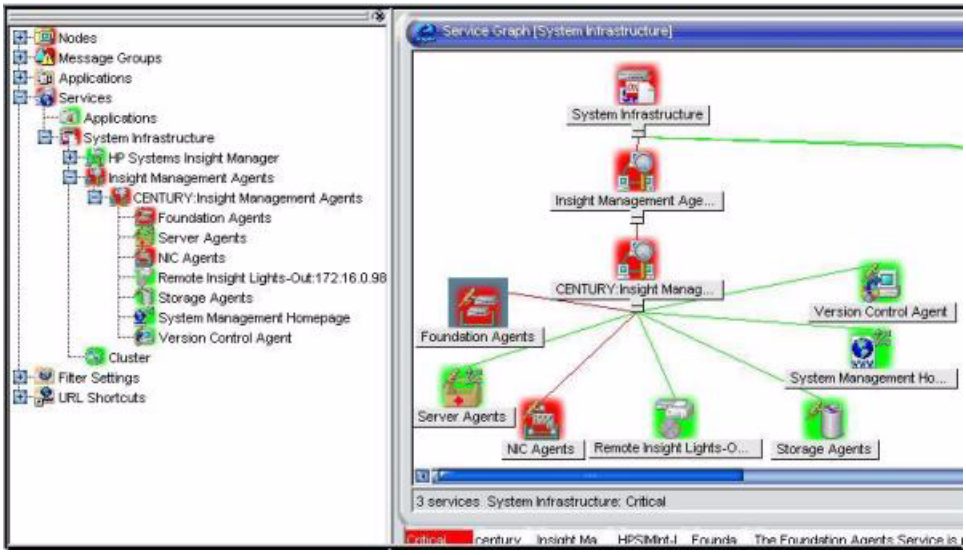
To discover the HP SIM CMS managed nodes or IM Agent Services initiate the discovery process by running Discover HP SIM CMS-Win or Discover HP SIM CMS-Unix or Discover IM Agents-Win from the HPSIMInt Utils application group on the node.

Running the service discovery application discovers the following services and updates the OM service views:

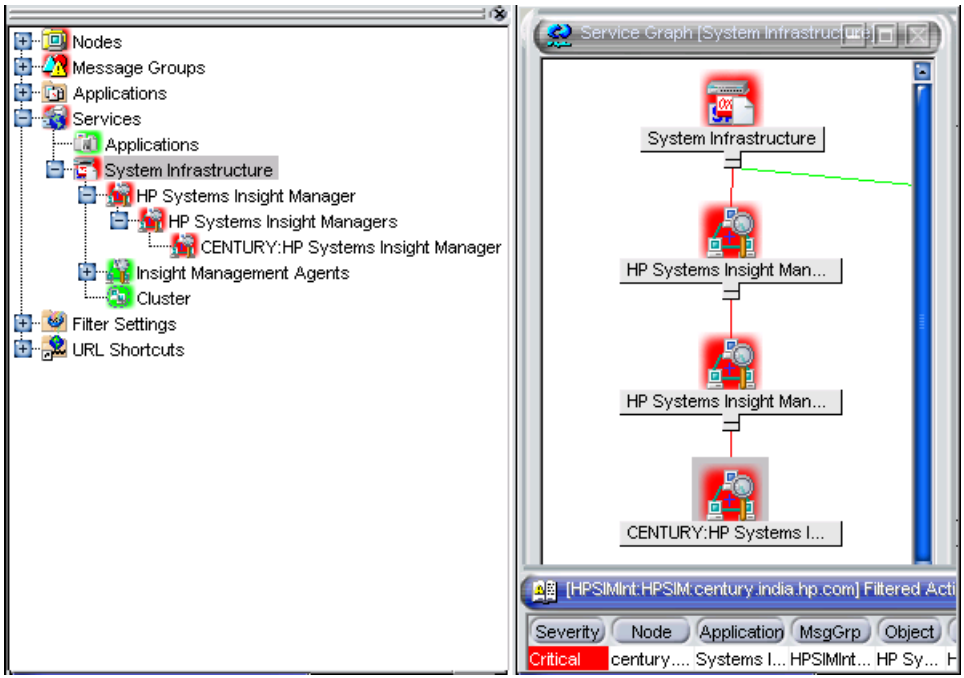
- HP SIM
- Foundation agents
- NIC agents
- Server agents
- Storage agents
- Version control agent
- Remote Integrated Lights-Out (RiLO) Web Interface

Remote Insight Lights-Out (RILO)-RILO is an optional feature. It is discovered only if it is present on the system. You must have a Remote Insight Board or the Integrated Lights-Out Advanced on the system.

The following figure shows the Insight Management Agent service view.



The following figure shows the HP Systems Insight Manager service view.



To run the Service Discovery applications, follow these steps:

1. Open the application group **HP SIM Integration > HPSIMInt Utils**.
2. Run the Discover HP SIM CMS-Unix *or* Discover HP SIM CMS-Win application on the appropriate HP SIM CMS node group.
3. Run the Discover IM Agents-Win application on the IM Agents-Win node group.

Installing HP SIM Integration Service Discovery Templates on the OM for Unix Management Server

Follow these steps:

1. Select the OM management server node in the Node Bank window.

2 Select **Actions > Agents > Assign Templates**. The Define Configuration window opens showing templates assigned to this node.

3 Click **Add**. The Add Configuration window opens.

4 Click **Open Template Window**. The Message Source Templates window opens.

5 Select the **HP SIM Integration > HPSIMInt Service Discovery** template from the Message Source Templates window.

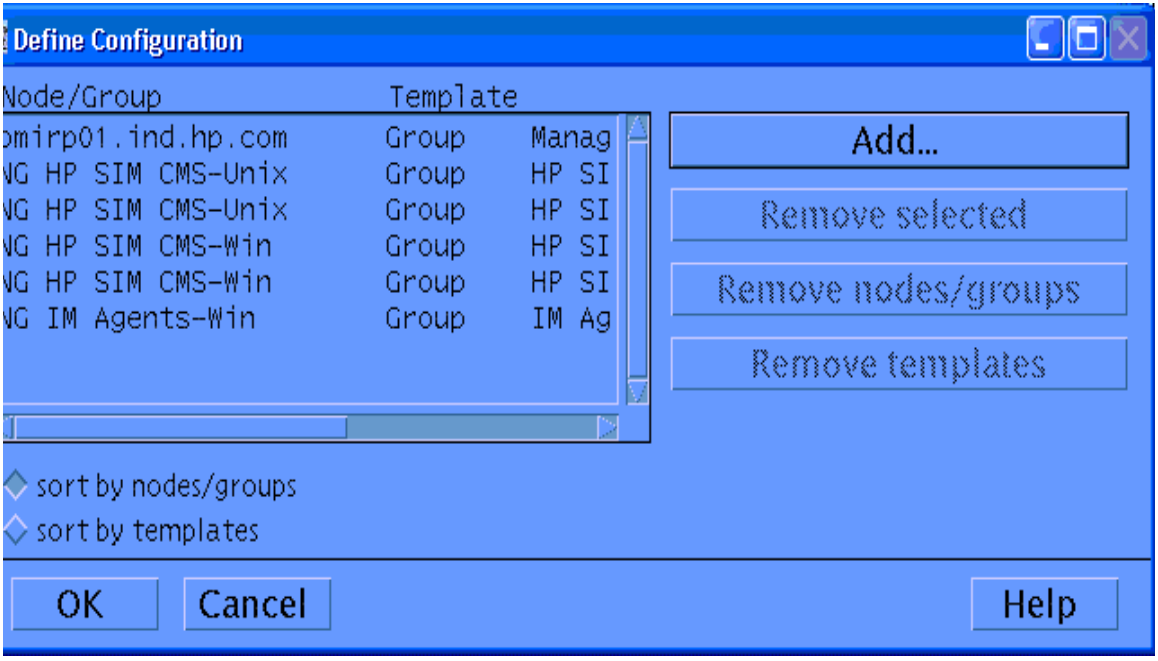
6 Return to the Add Configuration window.

7 Click **Get Template Selections**. The Group HPSIMInt Service Discovery group is displayed on the Templates pane.

8 Click **OK** in the Add Configuration window.

In the Define Configuration window, the Group HPSIMInt Service Discovery template is now shown assigned to the OM server.

The following figure shows the HPSIMInt Service Discovery template group assigned tothe OM server in the Define Configuration window.



9 Click **OK** in the Define Configuration window.

10 Select the OM server node from the Node Bank.

11 Click **Action > Agents > Install / Update OM Software and Configuration**. The Install / Update OM Software and Configuration window opens.

12 From the Install / Update OM Software and Configuration window, select **Templates**.

13 Select **Force Update** to ensure that the modifications are distributed.

14 Click **OK** to distribute the templates to the OM server.

15 Open the message browser of the node and wait for the following message:

```
The following configuration information was distributed:
Template
```

By default, the service discovery templates run every night. To run them at a different time, modify the templates.

You can schedule service discovery using the HP SIM Integration service discovery templates to run periodically. To do this, complete the steps in Task 4: Assign Nodes to HP SIM Integration Node Groups on page 32 and deploy the HP SIM Integration templates in the HPSIMInt Service Discovery template group to the OM server node. By default, these templates run service discovery on the nodes in the corresponding HP SIM Integration node groups every night. To run them at a different interval, modify the service discovery templates.

Task 9: Configure HP SIM Integration to Forward HP SIM Events

You can configure a custom query and task for event forwarding.

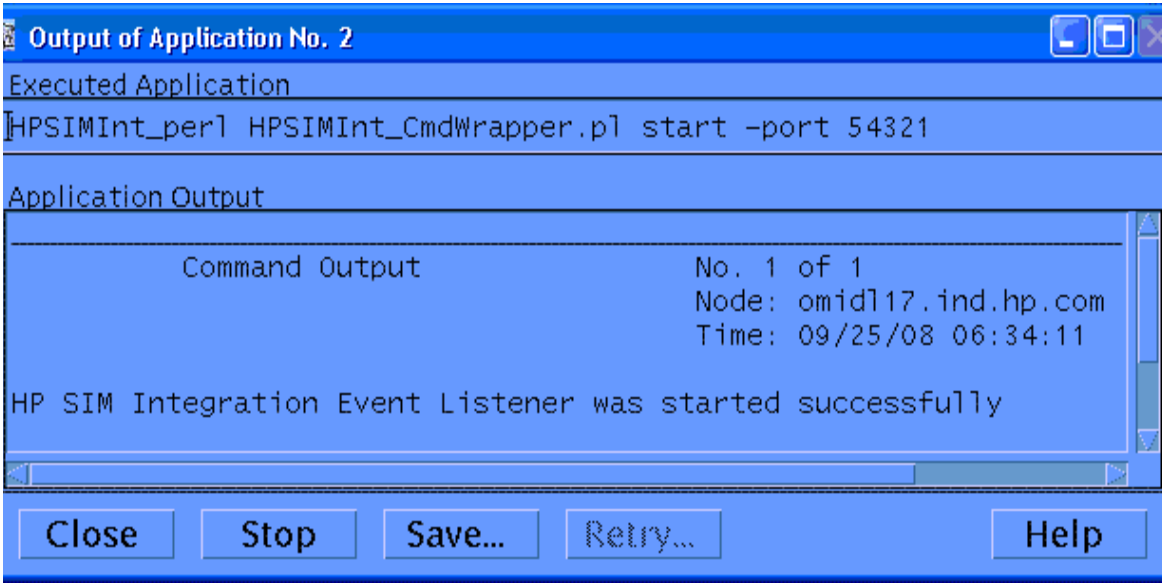
Starting the Event Listener on the HP SIM Management Server

The Start Event Listener application in both the HP Systems Insight Manager-Win and HP Systems Insight Manager-Unix application groups starts the HP SIM Event Listener on port 54321 by default. To select another port, modify the Start Event Listener application in the application group to supply a different port number in the -port parameter.

To start the HP SIM Integration Event Listener on each HP SIM Server running on UNIX or Windows, follow these steps:

1. Open the HP Systems Insight Manager-Unix *or* HP Systems Insight Manager-Win application group, depending on the operating system of the node your HP SIM management server is running on.
2. Right-click **Start Event Listener** application and select **Modify** to edit the port number in the Additional Parameters field.

   The parameter is -port 54321. In this instance, 54321 is the default port number of the Event Listener. Change this value if the TCP port 54321 is not available or if you want to configure it on a different port.
3. Click **OK**.
4. Drag a node from the HP SIM CMS-Unix *or* HP SIM CMS-Win node group and drop it in the Start Event Listener application. An Output window opens displaying the status of the application.



Configuring Event Forwarding from HP SIM to OM for Unix–Default

To forward events from HP SIM to OM, you must create an event query and corresponding task on the HP SIM management server. The default event forwarding task forwards events of Critical and Major severity.

To configure default event forwarding, run the Fwd Imp Events application from the HP Systems Insight Manager-Win *or* HP Systems Insight Manager-Unix application group on the HP SIM CMS node.

The Fwd Imp Events tool creates three collections named HPSIMInt_ImportantEvents, HPSIMInt_ApplicationEvents and HPSIMInt_SESRMInfraEvents and three tasks namely HPSIMInt_ImportantEvents, HPSIMInt_ApplicationEvents and HPSIMInt_SESRMInfraEvents. In case of HP SIM and HP SE SRM integrated setup, the default task will forward events of all severities to OM.

The collection HPSIMInt_ImportantEvents is created on the HP SIM CMS node for the events whose severity is either critical or major.

The collection HPSIMInt_ApplicationEvents is created on the HP SIM CMS node for all the events belonging to the following event categories:

- Systems Insight Manager Events
- Proliant Application Events
- Proliant System and Environmental Events

On a HPSIM or HP SE SRM integrated setup, the HPSIMInt_ApplicationEvents collection queries for the following event categories. For the collection to include these event categories, ensure that the collections are created after the following relevant applications are installed.

- Storage Essentials Connector
- Storage Essentials Device Event
- Storage Essentials Agent
- Storage Essentials file system view

In an HP SIM and HP SE SRM integrated setup, the HPSIMInt_SESRMInfraEvents collection queries for all the event categories that contains "Storage Essentials" in its name.

Configuring Event Forwarding from HP SIM to HPOM for Unix–Custom

If the default event query and task do not meet your needs, you can skip that step and create a custom query and task in addition to the default query and task.

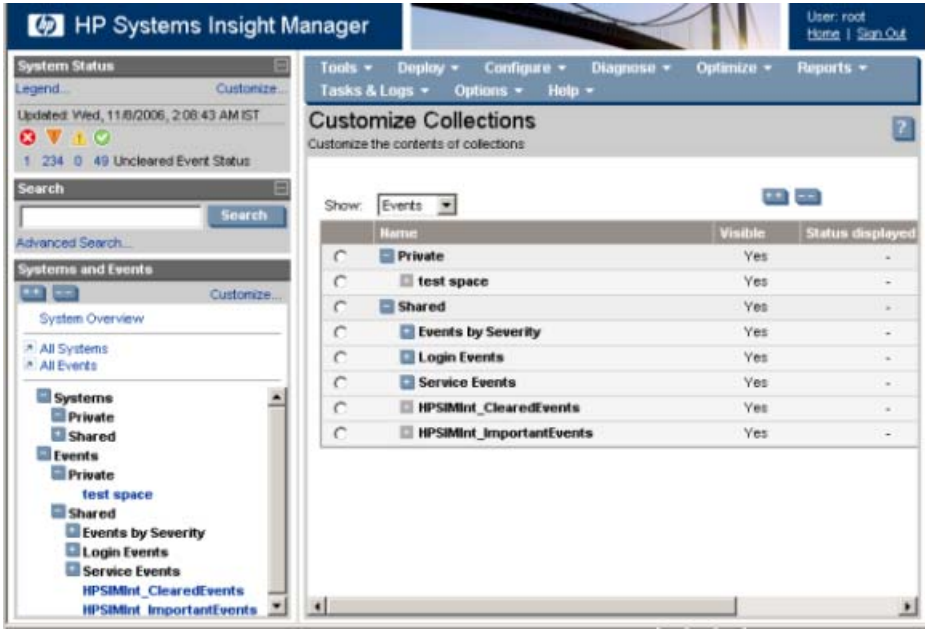
Creating a user-defined query and task for event forwarding may result in duplicate copies of HP SIM events being received on the OM management server.

To create an event query through the HP SIM web interface, follow these steps:

1. Create an event query on HP SIM to forward events to OM.
   a. Log on to the HP SIM management console.
   b. Click **Customize** in the Systems and Events panel. The Customize Collections page opens.
   c. In the **Show** drop–down list, select **Events**. All available event collections open.
   d. Click **New**. The New Collection section opens.
   e. Select **Choose members by attributes**. The New Collection section opens.
   f. Enter the criteria of your requirement to forward events to OM.
   g. Click **Save As** to save the collection. The Save Collection As section opens.
   h. In the **Name** field, enter a name for the collection.
   i. Select **Private** or **Shared** folder to select the location in which to save the collection.
   j. Click **OK** to save the collection.

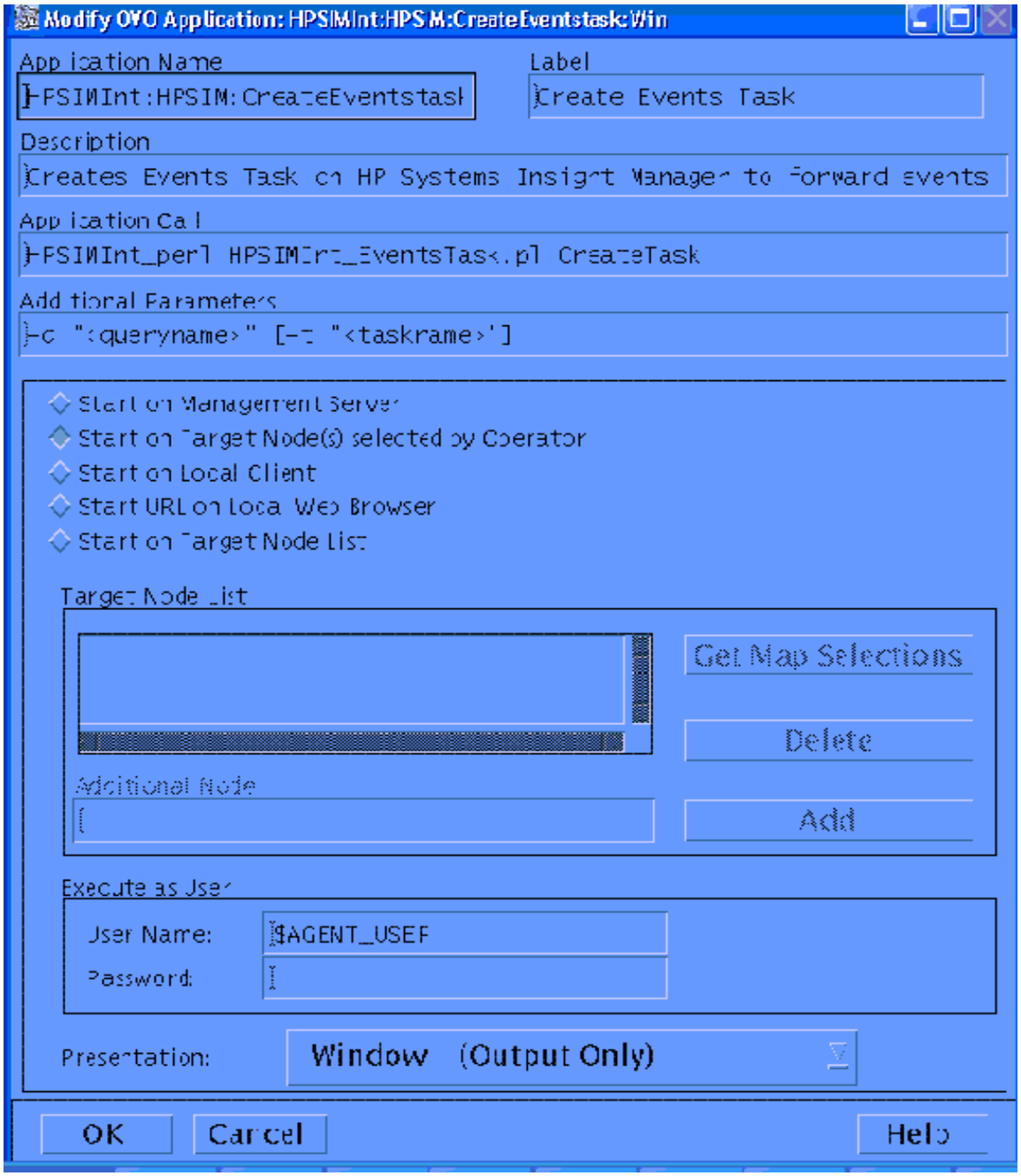
The same event collection can be customized using the HP SIMcommand line interface mxquery command.

For more information, see the *HP SIM Command Line Interface Reference Guide*.



2 Create a task on HP SIM to forward events to OM:

a From the HP Systems Insight Manager-Win *or* HP Systems Insight Manager-Unix application group, right-click Create Events Task application and select **Modify**. The Modify OM Application window opens.


Modify OVO Application: HPSIMInt:HPSIM:CreateEventstask:Win
Application Name
HPSIMInt:HPSIM:CreateEventstask
Label
Create Events Task
Description
Creates Events Task on HP Systems Insight Manager to forward events
Application Call
HPSIMInt_perl HPSIMInt_EventsTask.pl CreateTask
Additional Parameters
-c "<queryname>" [-t "<taskname>"]
Start on Management Server
Start on Target Node(s) selected by Operator
Start on Local Client
Start URL on Local Web Browser
Start on Target Node List
Target Node List
Get Map Selections
Delete
Additional Node
Add
Execute as User
User Name:
$AGENT_USER
Password:
Presentation:
Window (Output Only)
OK
Cancel
Help

b. If a custom event query is created in the previous step in the Additional Parameters, replace the -q parameter with the user-defined query name; for example:

```
-q myEventCollection
```

c. To provide a specific task name, enter the `-t` option followed by the required task name; for example:

```
-q my EVentCollection -t myTask
```

d. Click **OK**.

e. Run this application on the appropriate HP SIM CMS node.

A task is created on the HP SIM CMS node with the same name as the query supplied in the -q parameter if the task name is not specified using the -t option.

Task 10: Configure Bi-directional Event Acknowledgement/Clearing

When duplicate message supression is enabled on the management server, the HP SIM integration requires that the HPOM server must be configured to update the message text of the original event with that of the latest message.

Example: To enable this feature you use the following command:

ovconfchg -ovrg server -ns opc -set OPC_UPDATE_DUPLICATED_MSGTEXT LAST_MESSAGE

When this command is run, the OPC_UPDATE_DUPLICATED_MSGTEXT is set to LAST_MESSAGE and the appropriate value is changed in the message browser.

Refer to the OMU guide for more details on Configuring HPOM server for message suppression.

Bi-directional event acknowledgement/clearing involves the following.

Configuring Event Acknowledgement from HP SIM to HPOM for Unix–Default

HP SIM Integration can be configured to automatically acknowledge forwarded HP SIM events on OM when the corresponding event is cleared through the HP SIM web interface.

You can create an event query and task to select the cleared events on HP SIM that correspond to the events displayed through the HPSIMInt_ImportantEvents query and forward them to the HP SIM Integration Event Listener.

If HP SIM event forwarding was configured using the Fwd Imp Events application, follow these steps to configure event acknowledgement:

1. Navigate to the Fwd ClearedImp Events application in the HP Systems Insight Manager-Win *or* HP Systems Insight Manager-Unix application group on the HP SIM management server node.
2. Run the Fwd ClearedImp Events application on each HP SIM CMS node.

   This adds the default HP SIM Integration cleared events query and task on the HP SIM management server. This tool adds the collections HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents and tasks namely HPSIMInt_ImportantEvents, HPSIMInt_ApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents. to the existing event collections on the HP SIM CMS.

   These tasks forwards the cleared events on HPSIM to the Event Listener for acknowledging those events on HPOM message browser.

   The collection HPSIMInt_ClearedSESRMInfraEvents query the HP SIM CMS and HPSESRM integrated node for cleared events of all severities and those cleared events which belong to the category ‘Storage Essentials

   The collection HPSIMInt_ClearedEvents query the HPSIM CMS for all the cleared events whose severity is either critical or major.

   The collection HPSIMInt_ClearedApplicationEvents query the HPSIM CMS for all the cleared events belonging to the following event categories:

   — Systems Insight Manager Events

   — Proliant Application Events

   — Proliant System and Environmental Events

— Storage Essentials Connector

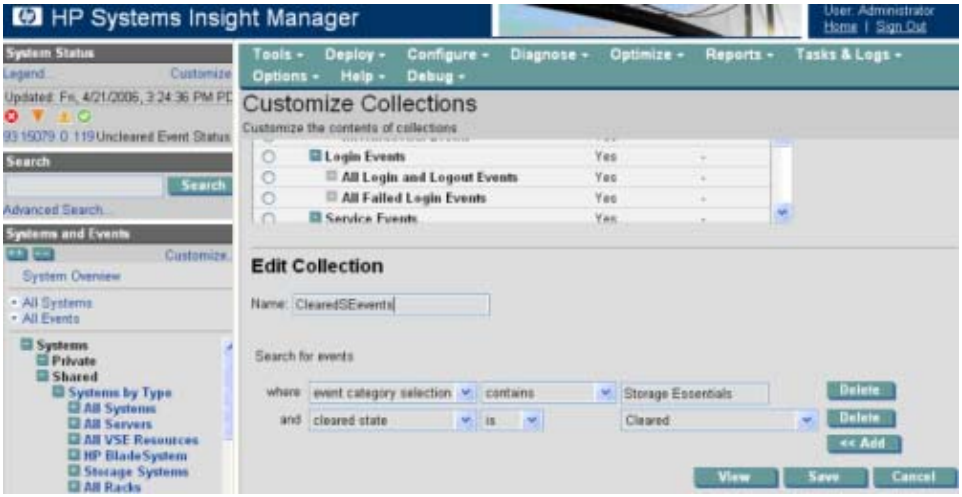
— Storage Essentials Device Event

— Storage Essentials Agent

— Storage Essentials file system view

Configuring Event Acknowledgement from HP SIM to HPOM for Unix–Custom

If you configured a user-defined query and task to forward HPSIM events to OM, to acknowledge these events you must create a second query with the same selection criteria as the original user-defined query, and select the "`cleared state is Cleared`" criteria, as shown in the following figure.



Create a task on HP SIM to forward the cleared events to OM using the Create Events Task application by replacing the -q parameter with the cleared events query name that was created as mentioned above above. This creates a task with the same name on the HP SIM management server that forwards cleared events to the Event Listener. This triggers HP SIM Integration to acknowledge these events in the OM message browser.

To create an events task on HP SIM to forward cleared events to OM, follow these steps:

1. In the HP Systems Insight Manager-Unix *or* HP Systems Insight Manager-Win application group, right-click **Create Events Task** and select **Modify**.
2. In the Additional Parameters field, replace the -q parameter with the user-defined cleared events custom query name you created on the HP SIM web interface.

   To provide a specific task name, enter the -t option followed by the required task name.

   The Create Events Task application should contain a task name that starts with an alphabetic character. The other characters supported for the task name are space, hyphen, and underscore.

   The following is an example:

   ```
   -q myClearedEventCollection -t myClearedEventTask
   ```

Change Default Collection

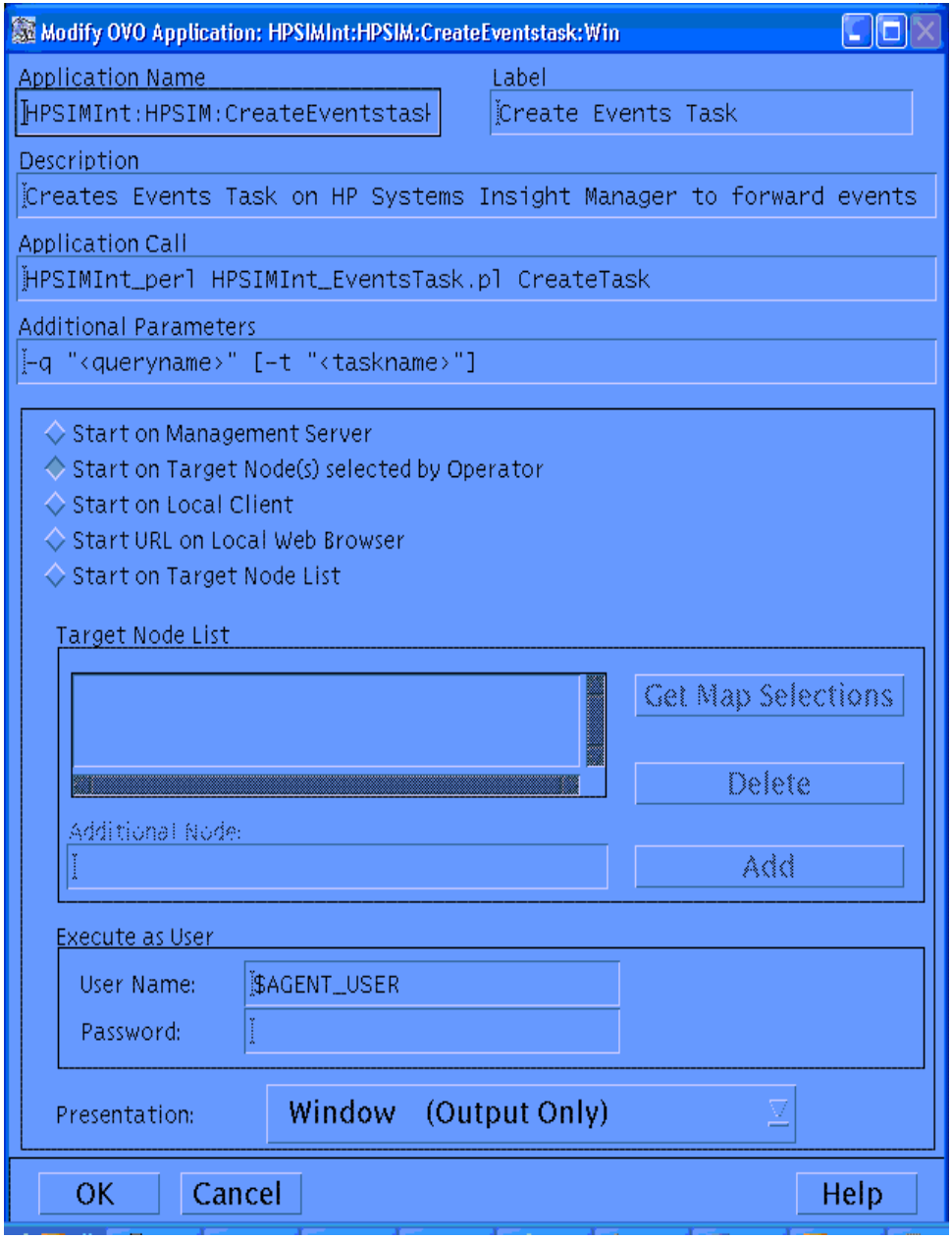
The forward cleared important events creates three collections named HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents and three tasks namely HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents.

The collection HPSIMInt_ClearedEvents query the HP SIM CMS node for all the cleared events whose severity is either critical or major.

The collection HPSIMInt_ClearedApplicationEvents query the HP SIM CMS node for the events where the severity is either critical or major and all the events from certain applications forwarded to HPOM.

The collection HPSIMInt_ClearedSESRMInfraEvents query the HP SIM CMS and HPSESRM integrated node for events of all severities and those events which belong to the category ‘Storage Essentials’.

Both the queries will be active once the user executes the tool “forward important events”.


Modify OVO Application: HPSIMInt:HPSIM:CreateEventstask:Win
Application Name
HPSIMInt:HPSIM:CreateEventstask
Label
Create Events Task
Description
Creates Events Task on HP Systems Insight Manager to forward events
Application Call
HPSIMInt_perl HPSIMInt_EventsTask.pl CreateTask
Additional Parameters
-q "<queryname>" [-t "<taskname>"]
Start on Management Server
Start on Target Node(s) selected by Operator
Start on Local Client
Start URL on Local Web Browser
Start on Target Node List
Target Node List
Get Map Selections
Delete
Additional Node:
Add
Execute as User
User Name:
$AGENT_USER
Password:
Presentation:
Window (Output Only)
OK
Cancel
Help

3 Click **OK**.

4 After modifying the application, run the Create Events Task application on the appropriate HP SIM CMS node.

A task is created with the same name as the query supplied in the -q parameter if the task name is not specified using the -t option.

Configuring Event Clearing from OM for Unix to HP SIM

HP SIM Integration can be configured to automatically clear an event on the HP SIM server if the corresponding event is acknowledged in the OM message browser. For this functionality, the HPSIMInt-HPSIM_ClearEvents template in the HP SIM Event Acknowledging template group must be deployed to the OM management server.

Installing HP SIM Integration Event Acknowledge/Clear Template on the OM Management Server

Follow these steps:

1 In the Node Bank, select the OM for Unix management server.

2 Select **Actions > Agents > Assign Templates**. The Define Configuration window opens showing templates assigned to this node.

3 Click **Add**. TheAdd Configuration window opens.

4 Click **Open Template Window**. The Message Source Templates window opens.

5 From the left pane, select HP SIM Integration template group. Group HP SIM Event Acknowledging appears in the right pane.

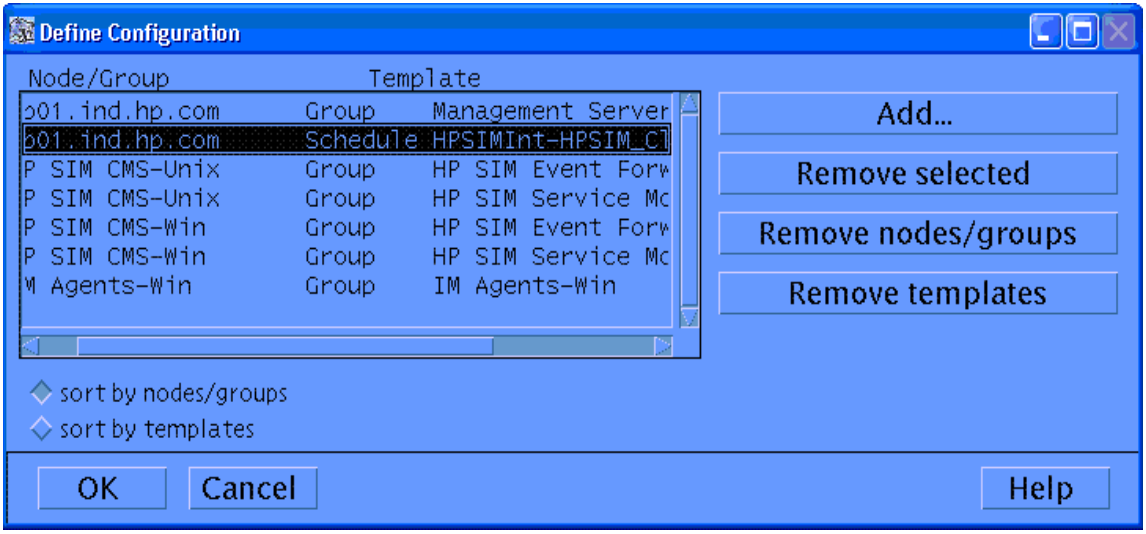
6 Select **Group HP SIM Event Acknowledging**.

7 Return to the Add Configuration window.

8 Click **Get Template Selections**. Group HP SIM Event Acknowledging appears in the Templates pane.

9 Click **OK**.

The following figure shows theEvent Acknowledge template on the OM for Unix management server in the Define Configuration window.



10 Click **OK**.

11 Select the OM server node from the Node Bank.

12 Click **Action > Agents > Install / Update OM Software and Configuration**. The Install / Update OM Software and Configuration window opens.

13 From the Install / Update OM Software and Configuration window, select **Templates**.

14 Select **Force Update** to ensure that the modifications are distributed.

15 Click **OK** to distribute the templates to the OM server.

16 Open the message browser of the node and wait for the following message:

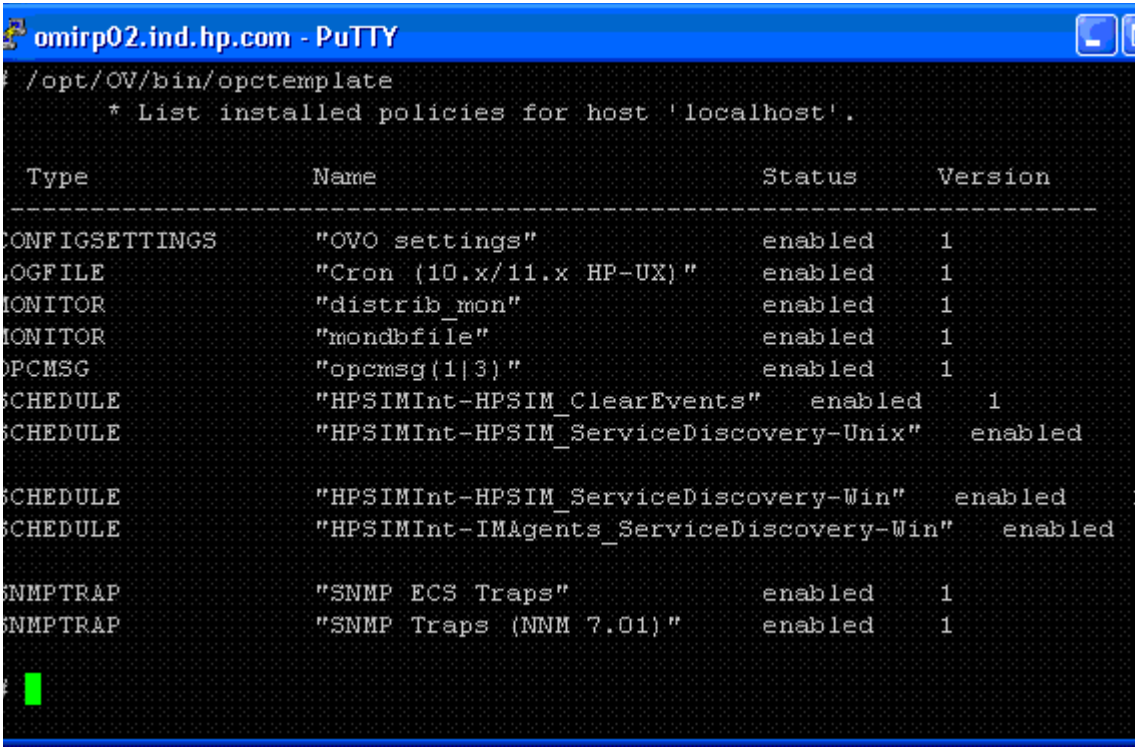
```
The following configuration information was successfully
distributed: Template
```

17 To verify that this template is deployed, enter the following command on the OM management server from a terminal window console:

```
opctemplate
```

18 Verify that the HPSIMInt-HPSIM_ClearEvents schedule is enabled.

The following figure shows the HP SIM Integration Clear Events template in the Terminal window.



Change Default Collection

The forward cleared important events creates two collections named HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents and tasks named HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents.

The collection HPSIMInt_ClearedEvents query the HP SIM CMS node for all the cleared events whose severity is either critical or major.

The collection HPSIMInt_ClearedApplicationEvents query the HP SIM CMS node for the events where the severity is either critical or major and all the events from certain applications forwarded to HPOM.

The collection HPSIMInt_ClearedSESRMInfraEvents query the HP SIM CMS and HPSESRM integrated node for cleared events of all severities and those cleared events which belong to the category ‘Storage Essentials

Both the queries will be active once the user executes the tool “forward important events”. Once these events are ‘cleared’ on HPSIM, the corresponding events on HPOM will be acknowledged automatically.

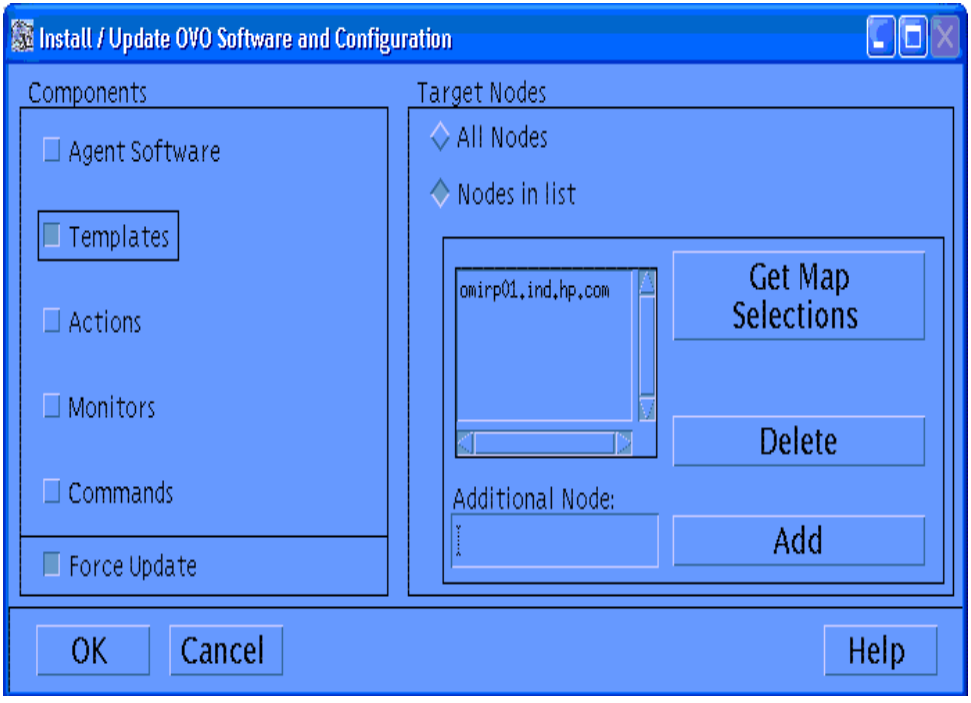
Task 11: Deploy Templates on HP SIM Integration Nodes

Before deploying templates, ensure that the node is added to the appropriate HP SIM Integration node group.

To deploy templates on the managed nodes, follow these steps:

1. Select the node from the OM Node Bank.
2. Select **Actions > Agents > Install / Update SW & Config**. The Install / Update OM Software and Configuration window opens.
3. From the Install / Update OM Software and Configuration window, select **Templates**.
4. Select **Force Update** to ensure that the modifications are distributed.

   The following figure shows templates selected in the Install / Update OM Software and Configuration window.



5. Click **OK** to distribute the templates to the OM agent node.

   The following message should appear in the message browser for the node:

```
The following configuration information was successfully
distributed: Templates
```

This message appears when:

- The node is assigned to the appropriate HP SIM node group.
- The user has privileges for the OpCmessage group.

HP SIM Integration contains templates for IM Agent SNMP trap interpretation. The Insight Management Agent trap destination must be manually configured to send traps to the OM for Unix agent on the node using the Configure SNMP Trap Destination application or through the System Management Home page on the IM Agent node.

Task 12: Reconfigure HP SIM Integration to Forward HP SIM Events

You might want to reconfigure HP SIM event forwarding in order to change the Event Listener port. If you configured event forwarding previously, check for default HP SIM Integration tasks and queries in HP SIM. If they exist, delete them before proceeding with reconfiguration.

To delete tasks and queries existing in HP SIM, follow these steps:

1. Stop the HP SIM Integration Event Listener using the Stop Event Listener application in the HP Systems Insight Manager-Win *or* HP Systems Insight Manager-Unix application group.
2. Delete all event forwarding tasks including cleared events. For more information, see Removing HP SIM Integration Templates from HPOM Managed Nodes on page 93.
3. From a command window on the managed node where HP Systems Insight Manager is running:
   - Run the following command to remove the task HPSIMInt_ImportantEvents if exists on HP SIM CMS node:

     ```
     mxtask -r HPSIMInt_ImportantEvents
     ```

- Run the following command to remove the PSIMInt_ImportantEvents query if it exists on the HP SIM CMS node:

  ```
  mxquery -r HPSIMInt_ImportantEvents
  ```

- Run the following command to remove the HPSIMInt_ClearedEvents task if it exists on the HP SIM CMS node

  ```
  mxtask -r HPSIMInt_ClearedEvents
  ```

- Run the following command to remove the HPSIMInt_ClearedEvents query if it exists on the HP SIM CMS node:

  ```
  mxquery -r HPSIMInt_ClearedEvents
  ```

For more information on HP SIM CLI commands, see the *HP SIM Command Line Interface Reference Guide*.

4 Start the HP SIM Integration Event Listener and provide a different port number.

5 Repeat the steps in Task 9: Configure HP SIM Integration to Forward HP SIM Events.

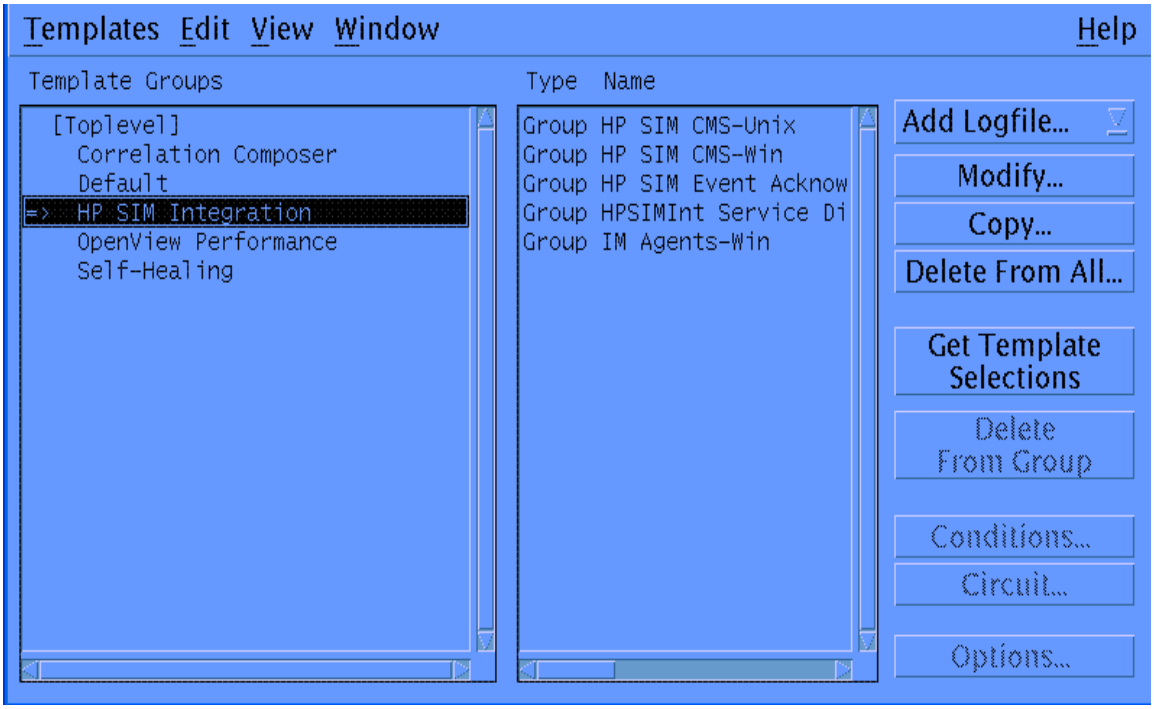
You must complete these steps in the correct order to ensure that the HP SIM Event Listener and the event forwarding tasks are configured with the same port number.

The HP SIM event query and event forwarding tasks are stored as part of the HP SIM data, separate from the HP Operations agent and HP SIM Integration. Therefore, these persist even when you uninstall the HP Operations agent and reinstall. In many cases, if the HP SIM query and task are correctly set up after an HP Operations agent or HP SIM Integration reinstallation, you need to run only the Start Event Listener application for events to be forwarded to OM.

4 Using HP SIM Integration

HP SIM Integration Template Groups

All the templates provided with HP SIM Integration are grouped under the HP SIM Integration template group.



HP SIM Integration provides applications that enable you to configure event forwarding from HP SIM to HPOM. HP SIM events are received by the HP SIM Integration Event Listener process on the HP SIM CMS node and forwarded to HPOM through the HP Operations agent. The events that are

received by the HP SIM Integration Event Listener are determined by the event query that is created initially, prioritized, and assigned an HPOM severity level.

All the messages generated by the HP SIM Integration templates belong by default to the HPSIMInt-Systems_Insight_Manager or or HPSESRMSPI-StorageEssentials_SRM message group.

Monitor templates monitor the status of the HP SIM service running on the HP SIM management server and the IM Agent services running on the managed nodes and generate messages to indicate any change in status.

Message templates handle messages forwarded from HP SIM.

Trap templates define the interpretation of SNMP traps from the Insight Management Agent nodes.

The scheduled templates in the HPSIMInt Service Discovery template group, when deployed on the HPOM management server, discover the following services:

- HP Systems Insight Manager
- Insight Management Agents

The HP SIM Event Acknowledging template, when deployed on the HPOM management server, handles event clearing on HP SIM when an HP SIM event is acknowledged on the HPOM management server.

Using Templates

HP SIM Integration provides a set of preconfigured templates for HP SIM and IM Agent nodes. These templates enable you to monitor the status of the services running on these nodes. For more information on the preconfigured templates provided by HP SIM Integration, see Appendix B, Templates. The appendix specifies whether the template must be deployed to the HPOM management server or to the managed node (HP SIM management server node or IM Agent node).

The templates in the **IM Agents-Win** > **IM Agents Hardware Traps** message group must be deployed on the IM Agents nodes.

Using HP SIM Integration Message Groups

HPOM uses message groups to combine management information about similar or related managed objects under a chosen name, and provides status information at a group level. Messages are categorized into groups to simplify message management.

All messages generated by HP SIM Integration are grouped into one of the following message groups:

Table 12 List of message groups

Message Groups	Description
HPSIMInt-IMAgents	HP SIM Integration Messages for IM Agents
HPSIMInt-Systems_Insight_Manager	HP SIM Integration Messages for HP SIM

Example 1. HP SIM Integration Message Groups

One operator can be responsible for HP SIM and another operator can be responsible for Insight Manager Agent HPOM message management. The messages generated by the HP SIM Integration templates are displayed in the HPOM Message Browser window. These messages contain information that is vital for understanding the problems being reported.

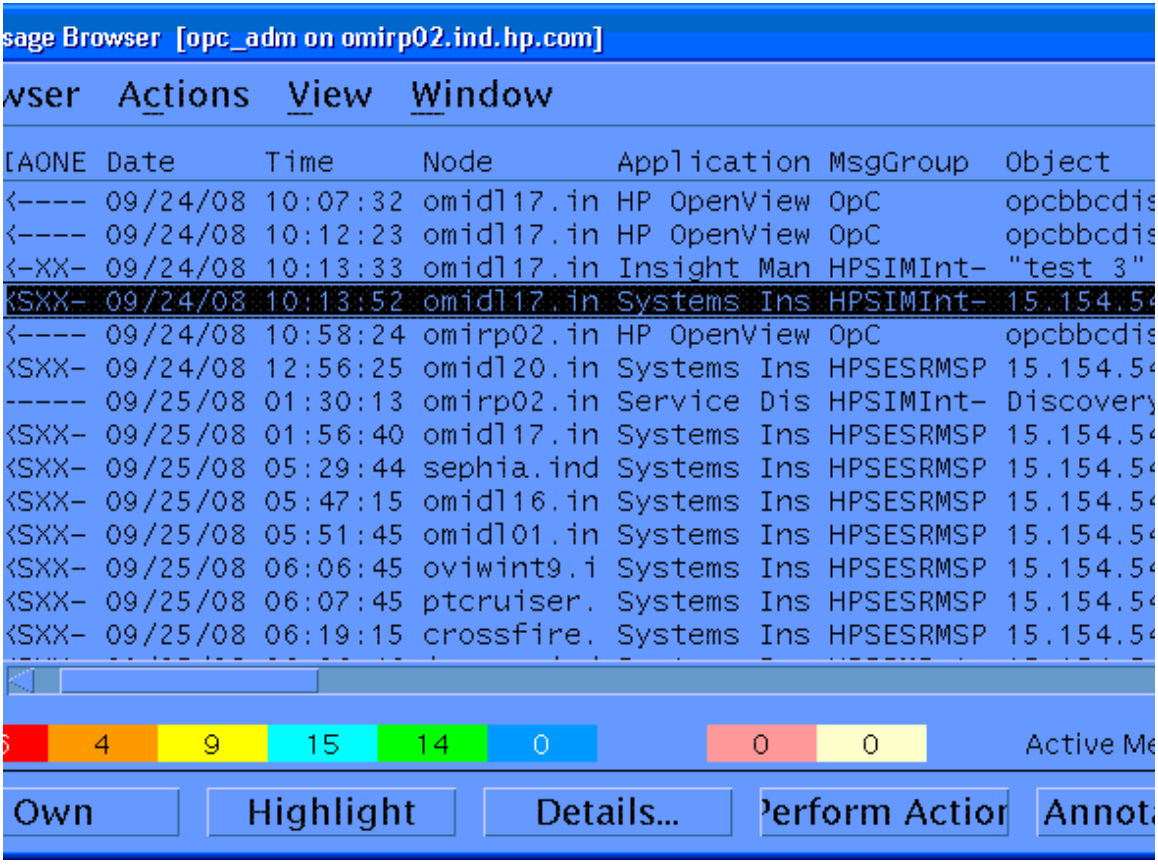
The following table describes the mapping that is performed by HP SIM Integration of HP SIM event severities to HPOM event severities.

Table 13 Mapping of HP SIM Integration of HP SIM event severities to HPOM event severities

HP SIM Severity Level	HPOM Message Severity Level	HP SIM Integration Impact
Critical	Critical	A critical problem is detected that needs immediate attention.
Major	Major	A very significant event has occurred, where immediate attention is advised. Some parts of the system or device may have ceased functioning properly.
Minor	Minor	An event of some significance has occurred. Potential or impending problems have occurred that may escalate to become a serious problem.
Warning	Warning	A problem has been detected that must be corrected. This event is not likely to be escalated to a more severe condition.
Informational	Informational	A notable event has occurred, one without any obvious detrimental effects. This is purely an information event.
Normal	Normal	An events of this type indicate that this event is not a problem.

Events with a severity of Normal from HP SIM are redirected to HPOM acknowledged message browser.

The following figure shows the message browser with HP SIM Integration messages received from HP SIM CMS.



The message content indicates the scope of the problem. This information is provided in the following columns:

- **Node** – Name of the node that generates the message. If the message is forwarded from an HP SIM server, it is the HP SIM server node name. If the message is generated by an IM Agent trap, it is the IM Agent node name.
- **Application** – Systems Insight Manager
- **Message Group** – Values for messages generated by HP SIM Integration; for example, HPSIMInt-IMAgents, HPSIMInt-Systems_Insight_Manager.

- **Text** – A single line description of the event

For events forwarded from HPSIM 5.2 SP2, the message text also specifies the trap details.

- **Object** – The system name of the event source

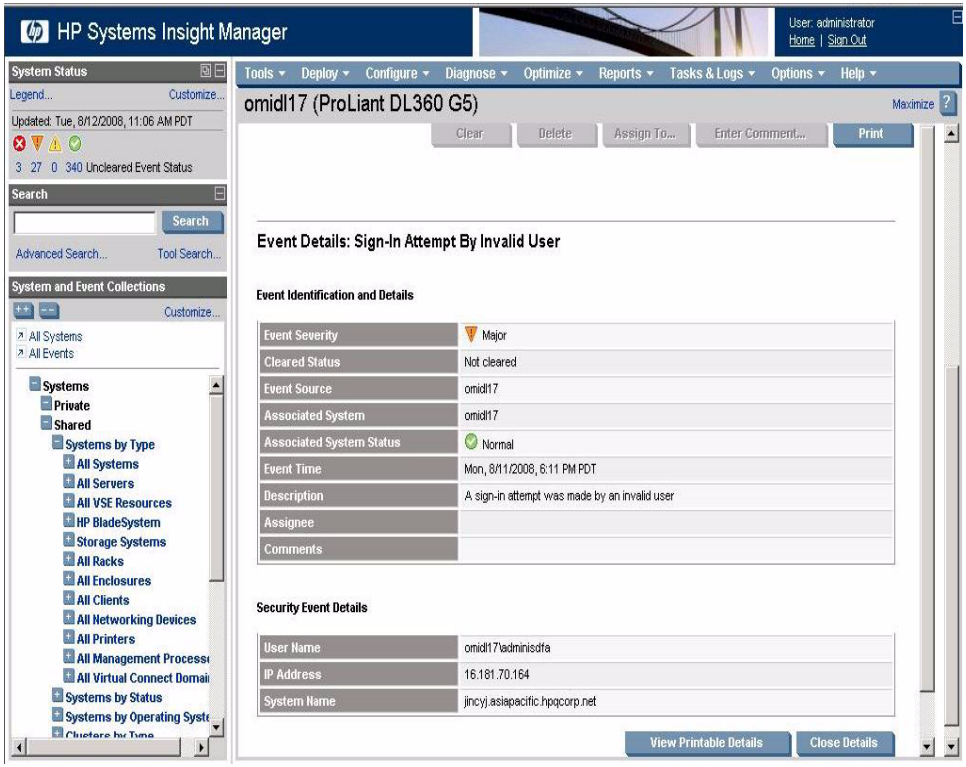
Launching the HP SIM Web Portal from the Message Browser

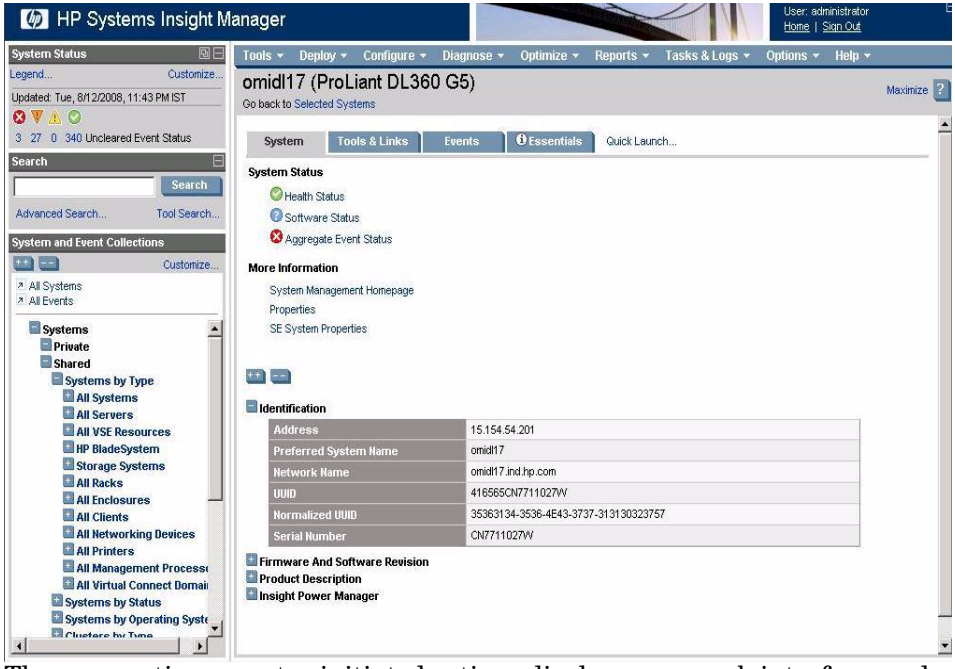
Each message forwarded to the HPOM message browser from HPSIM contains an Operator Action to launch into the HPSIM web interface. It launches in the context of the device that the HPSIM event references. This allows the HPOM operator to determine the cause of the problem and perform corrective tasks for the events which belong to **HPSIMInt-Systems_Insight_Manager** message group.

To launch the HP SIM web interface, follow these steps:

1. Select an **event**, right-click the **event**, and select **Commands** > **Start** > **Operator Initiated**. The HPSIM logon page opens.
2. Sign in to HPSIM with proper credentials.
3. In case of HPSIM 5.1, the HPSIM Selected Systems page lists the device reporting the event. On clicking on the system name, the HPSIM System page displays the device. In case of HPSIM 5.2, the **Operator-Initiated Action** from a message launches the event details page.

   The behaviours of both the pages are displayed with the help of screenshots given below:


HP Systems Insight Manager
User: administrator
Home | Sign Out
System Status
Legend...
Customize...
Updated: Tue, 8/12/2008, 11:06 AM PDT
3 27 0 340 Uncleared Event Status
Search
Search
Advanced Search...
Tool Search...
System and Event Collections
Customize...
All Systems
All Events
Systems
Private
Shared
Systems by Type
All Systems
All Servers
All VSE Resources
HP BladeSystem
Storage Systems
All Racks
All Enclosures
All Clients
All Networking Devices
All Printers
Systems by Status
Tools
Deploy
Configure
Diagnose
Optimize
Reports
Tasks & Logs
Options
Help
omidl17 (ProLiant DL360 G5)
Maximize
Clear
Delete
Assign To...
Enter Comment...
Print
Event Details: Sign-In Attempt By Invalid User
Event Identification and Details
Event Severity
Major
Cleared Status
Not cleared
Event Source
omidl17
Associated System
omidl17
Associated System Status
Normal
Event Time
Mon, 8/11/2008, 6:11 PM PDT
Description
A sign-in attempt was made by an invalid user
Assignee
Comments
Security Event Details
User Name
omidl17\adminisdfa
IP Address
16.181.70.164
System Name
jincyj.asiapacific.hpqcorp.net
View Printable Details
Close Details



The consecutive operator-initiated actions display a new web interface, and the user must provide credentials again to HP SIM CMS web interface.

Using HP SIM Integration Service Views

HP SIM Integration provides the administrator with the additional perspective of Service Views. You can access the service view through the HPOM Java Console.

HP SIM Integration provides the following service views:

- HP SIM
- IM Agents

The HP SIM Integration service discovery templates discover the following services:

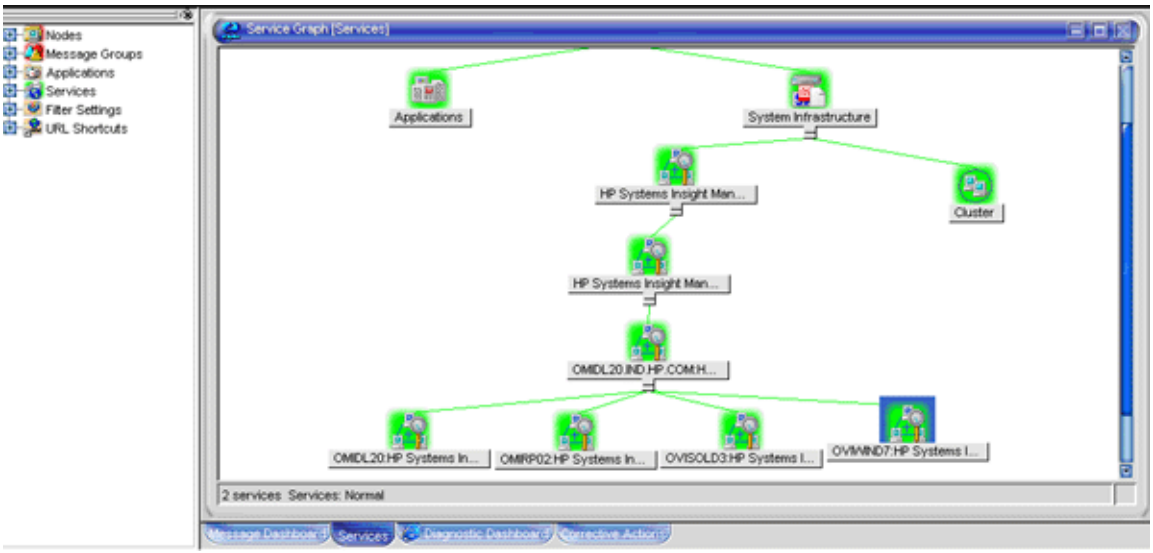
- HP Systems Insight Manager
- Foundation agents
- NIC agents
- Server agents
- Storage agents
- System Management Home page Agent
- Version control agent
- Remote Insight Lights-Out (RILO)

RILO is an optional feature. It is discovered only if it is present on the system. You must have a Remote Insight Board or the Integrated Lights-Out Advanced on the system.

HP Systems Insight Manager Service View

HP SIM Integration includes applications to discover the HP SIM service on a node. It also includes templates for deployment on the HPOM management server that automatically discover HP SIM services on nodes in the HP SIM Node Groups on a scheduled basis.

The following figure shows the HP Systems Insight Manager services in the Service View discovered by HP SIM Integration.

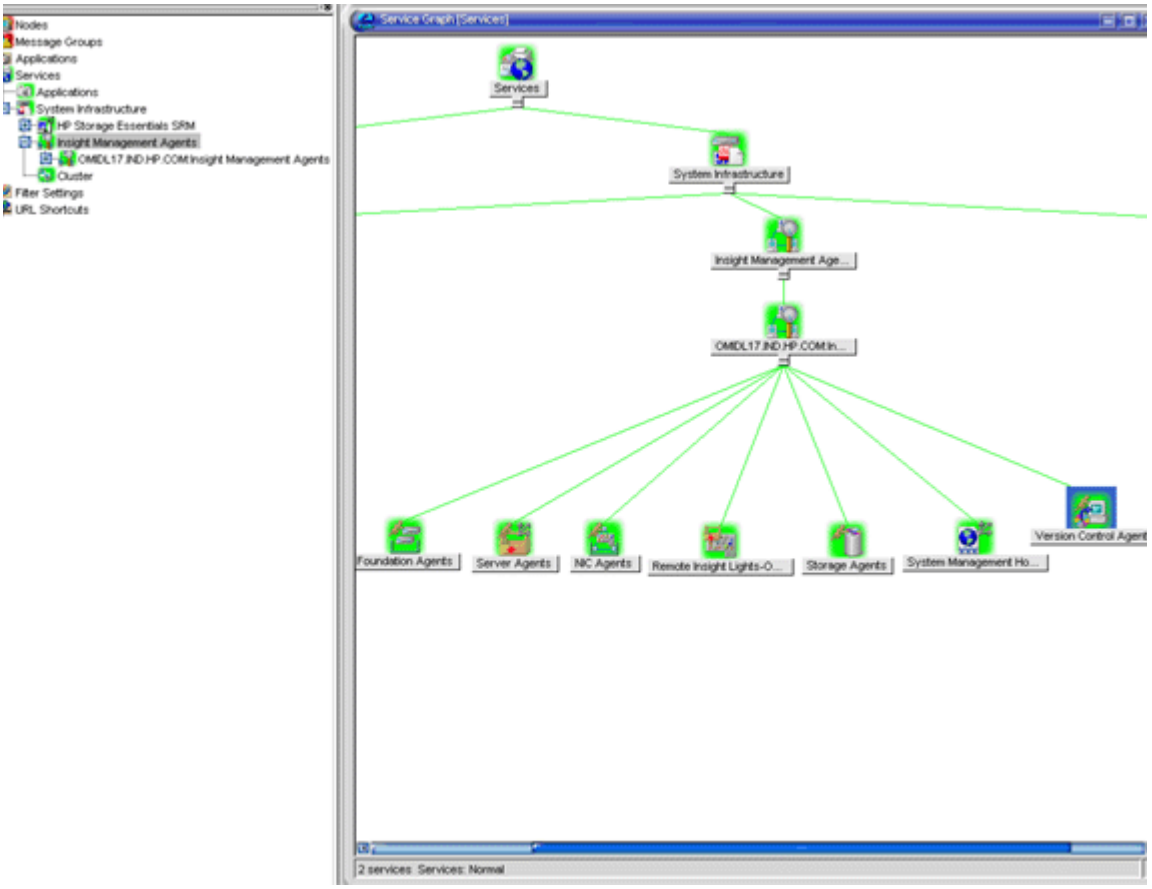


The services discovered by HP SIM Integration facilitate root-cause analysis of HP SIM service problems. The HP SIM Integration monitor templates enable the HP SIM service view to allow the HP Operations Manager user to monitor the availability of the HP SIM management server service.

Insight Management Agents Service View

HP SIM Integration includes applications to discover the Insight Management Agent services on a node. It also includes templates for deployment on the HPOM management server that automatically discover the IM Agent services on nodes in the IM Agent Node Groups on a scheduled basis.

The following figure shows the Insight Management Agent service in the service view.



The services discovered by HP SIM Integration facilitate root-cause analysis of problems in crucial elements of the IM Agent services.

By default, propagation rules for the objects in service trees are defined as Unchanged. This means that a parent service does not change the status of a child object by attaching a priority to it. Such a scenario is feasible only if a parent service considered the status of one child service to be more important than the status of another child service.

Calculation rules for Insight Management Agent service trees are set, by default, to Critical. This means that if a parent service has more than one child service, it assumes the status equal to the highest severity of its child services.

By default, the HP SIM Integration discovery templates are configured to run discovery every day at 1:30 am. For HP SIM CMS on Windows nodes, 2:30 am for HP SIM CMS on Unix nodes and 3.30 am for IM Agent nodes a.m. for Unix nodes. The administrator can change the service discovery period by modifying the service discovery template. The changed discovery period comes into effect only after the templates are redeployed on the HPOM management server node.

Assigning HP SIM Integration Services to Non-Default Users

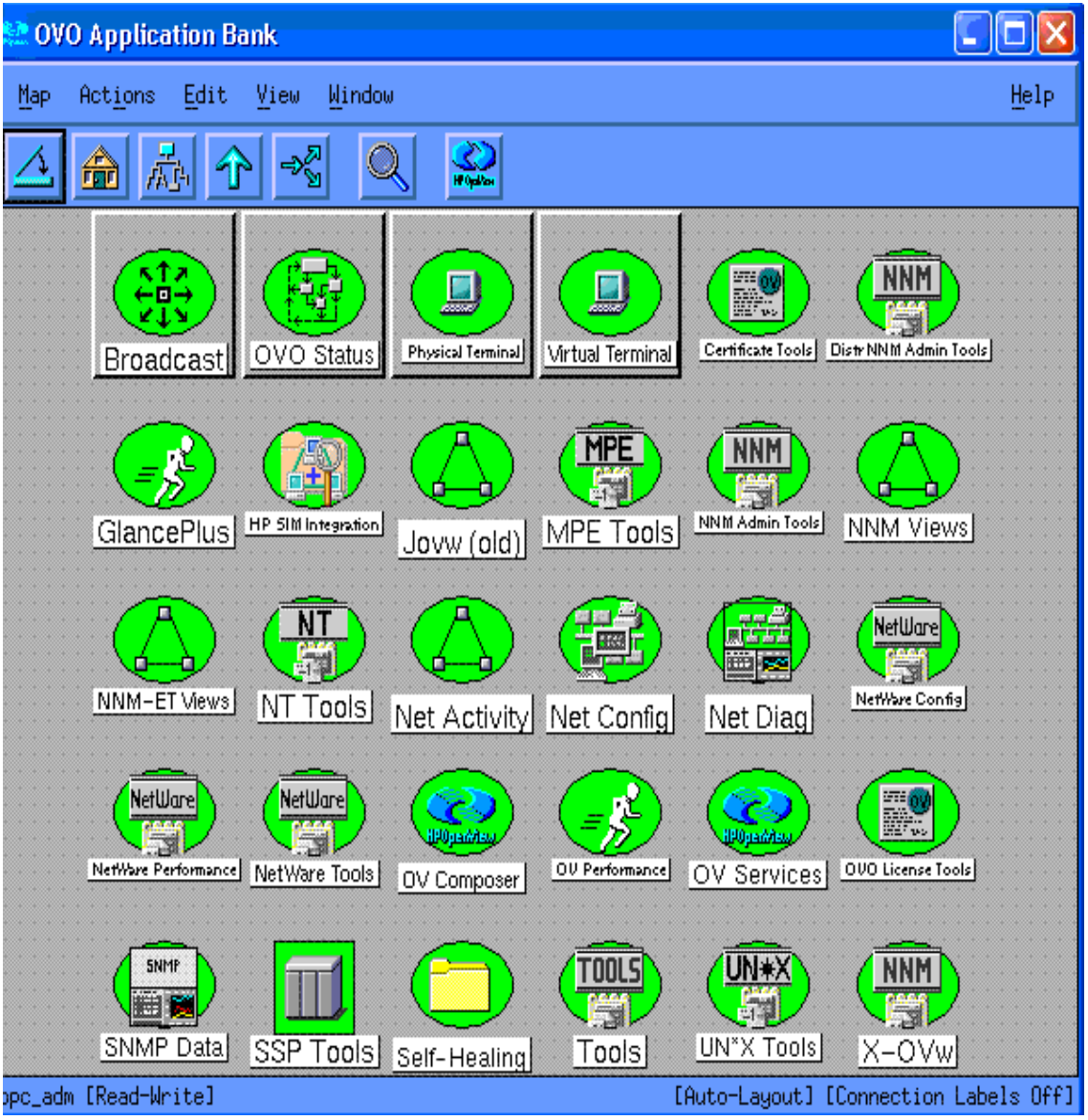
HP SIM Integration services are, by default, assigned to users hpsimint_op and opc_adm.

To apply HP SIM Integration services to an additional user, enter the following commands in a command prompt on the HPOM server:

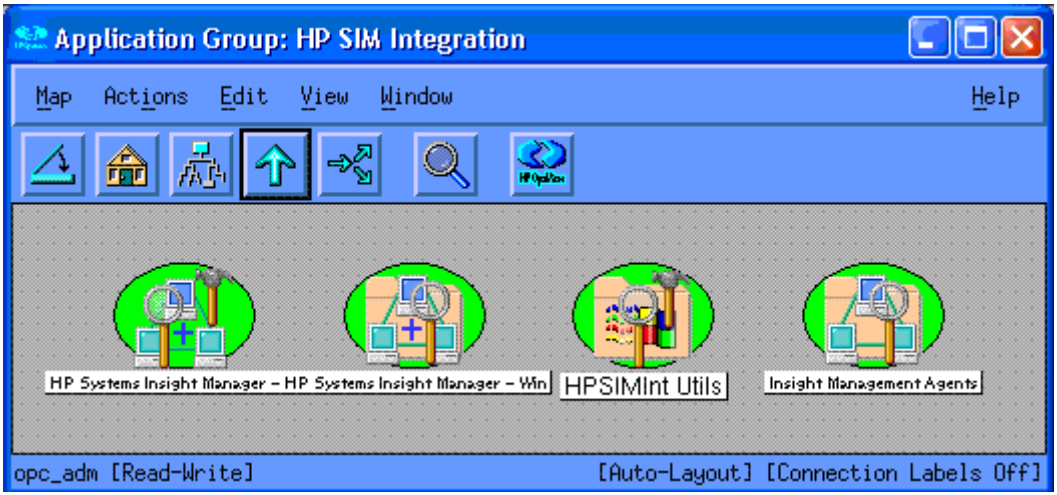
```
opcservice -assign <username> "HPSIMInt:HP Systems Insight
Manager"

opcservice -assign <username> "HPSIMInt:Insight Management
Agents"

opcservice -assign <username> "HPSIMInt:Insight Manager 7"
```

Using HP SIM Integration Applications

HP SIM Integration adds the top-level application group HP SIM Integration in the HPOM Application bank window.



To access HP SIM Integration applications, double-click **HP SIM Integration**. The HP SIM Integration Application Group window opens.



Running HP SIM Integration applications on the HPOM Java console by selecting a node on Service View is not supported.

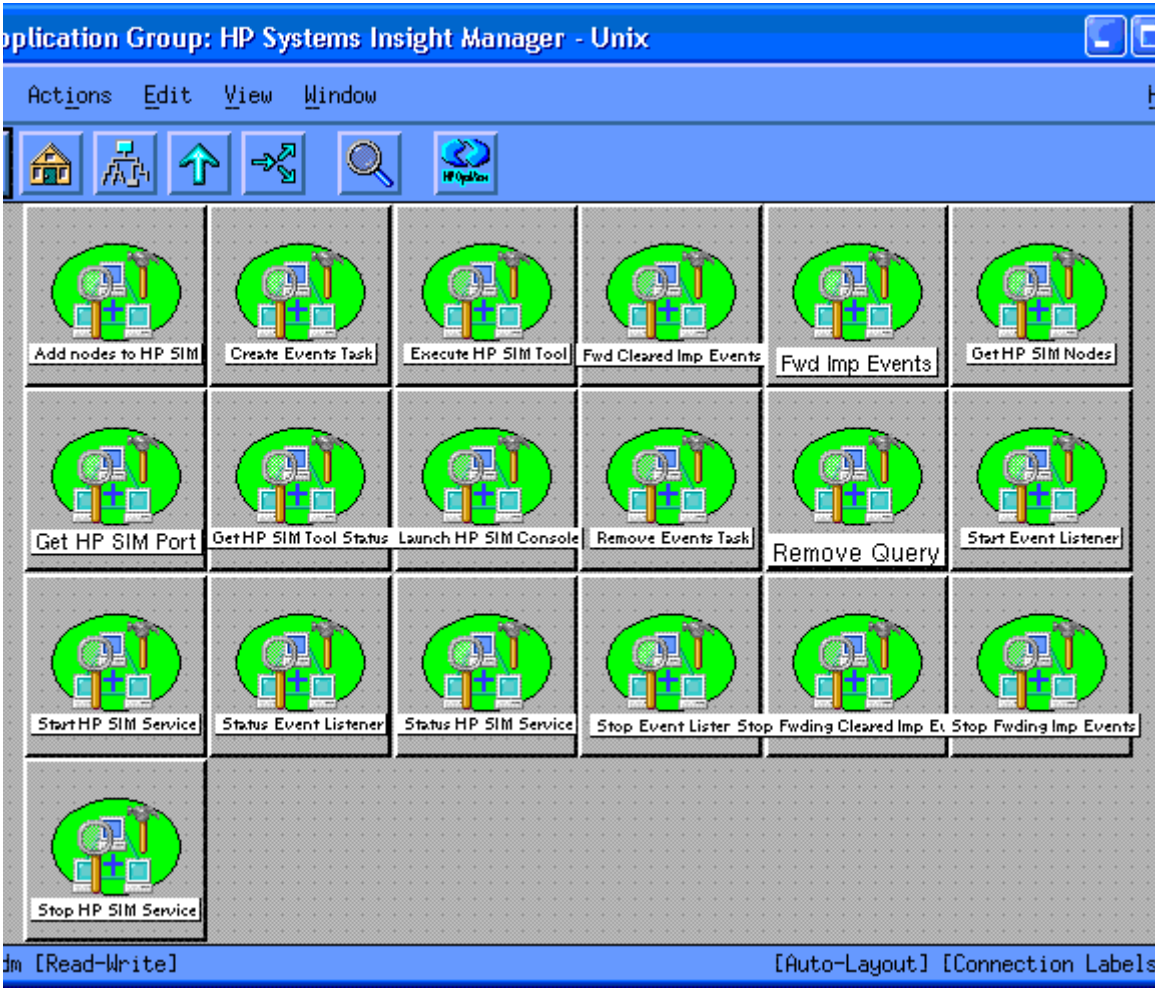
To run HP SIM Integration applications on the HPOM Java console, select a node in the Nodes pane on the HPOM Java console and right-click and select **Start > HP SIM Integration**.

The HPOM Java console running on Windows requires the X-windows emulator software to be installed on the PC for proper functioning of HP SIM Integration applications

Using HP Systems Insight Manager Application Group

The HP Systems Insight Manager-Unix *or* HP Systems Insight Manager-Win (depending on your node's operating system) application group include applications that are executed on HP SIM management server nodes (Unix or Windows).

The following figure shows applications in the HP Systems Insight Manager-Unix application group window.



This group contains applications for monitoring and configuring the HP SIM management server on a Unix node.

HP SIM application groups consist of the following:

Table 14 List of applications in HP SIM application groups

Application Name	Description	Parameters
Add nodes to HP SIM	Adds nodes to HP Systems Insight Manager server.	**First parameter**: The list of host names to be managed by HP SIM. The host names must be separated by a space, and the list must be within double quotes. This parameter is mandatory. To pass a single name, double quotes are not required.
Create Events Task	Creates Events Task on HP Systems Insight Manager to forward events to Event Listener.	**-q <queryname>** Replace <queryname> with the name of the HP SIM query that the task must use to select HP SIM events. The query name must be the name of an existing query that was manually created as described in Configuring Event Forwarding from HP SIM to OM for Unix–Default on page 46. The query name itself is used as the task name when only this parameter is specified. To specify other task names, use the optional parameter provided after this parameter **-t <taskname>** This is an optional parameter. Replace <taskname> with the task name you want to use.

Execute HP SIM Tool	Execute HP Systems Insight Manager tool on its managed nodes.	**First parameter** The first parameter can be WAIT or NOWAIT. By default, the parameter is WAIT in the Execute HP SIM Tool application. **WAIT** With the WAIT parameter, the Execute HP SIM Tool application returns the status of the HP SIM tool execution. The status is provided when the HP SIM tool execution reaches one of the following stages: • Completed • Cancelled • Failed • Killed **NOWAIT** With the NOWAIT parameter, the Execute HP SIM Tool retrieves the JOB ID of the specified HP SIM tool. This JOB ID can be supplied to the Get HP SIM Tool Status application to retrieve the status of the HP SIM tool execution. **Second parameter** Lists HP SIM managed host names where the tool is intended to be run. Names must be separated by a blank space or semicolon (;). The list must be enclosed within double quotation marks (" "). **Third parameter** The HP SIMtool to be executed. **Fourth parameter** (*optional*) One or more parameters required by the tool must be specified. A blank space or semicolon (;) must be used to separate them. The list of parameters must be enclosed within double quotation marks (" ").

Fwd Cleared Imp Events	Creates the collection \"HPSIMInt_ClearedEvents\" and the task \"HPSIMInt_ClearedEvents\" on HP Systems Insight Manager for forwarding cleared important events from HPSIM to HPOM. This tool create two collections named HPSIMInt_ClearedEvents and HPSIMInt_ClearedApplicationEvents and two tasks named HPSIMInt_ClearedEvents and HPSIMInt_ClearedApplicationEvents.	
Fwd Important Events	Forwards the default collection of important HP SIM events to the HP SIM Integration Event Listener process on the node by adding the HPSIMInt_ImportantEvents query and creating the HPSIMInt_ImportantEvents task on HP SIM. This tool creates two collections named HPSIMInt_ImportantEvents and HPSIMInt_ApplicationEvents and two tasks named HPSIMInt_ImportantEvents and HPSIMInt_ApplicationEvents.	

Get HP SIM Nodes	Returns a list of host names and operating system types of the nodes managed by HP SIM.	
Get HP SIM Port	Gets the SSL port to be used by other HPSIM tools to communicate to the HPSIM server.	
Get HP SIM Tool Status	Get the status of tool execution on HP SIM managed nodes	The JOB ID of the task whose status is being queried. The JOB ID is returned by the Execute HP SIM Tool if the NOWAIT option is specified.
Launch HP SIM Console	Launches the HP Systems Insight Manager console.	Select the HP SIM node whose web interface you want to launch and run this application. You can optionally specify additional parameters to open the System page or Tool page for the required HP SIM managed nodes. **Additional Parameters** (*optional*) **First parameter** (*optional*) System name of HP SIM managed node(s) whose system page you want to launch. Can only launch to one system page. **Second parameter** (*optional*): "<tool name>" Tool name to launch HP SIM console to the tools page for the managed node(s) specified in the first parameter; for example: • hpsimnode1.domain.com • hpsimnode2.domain.com • "mytoolname"

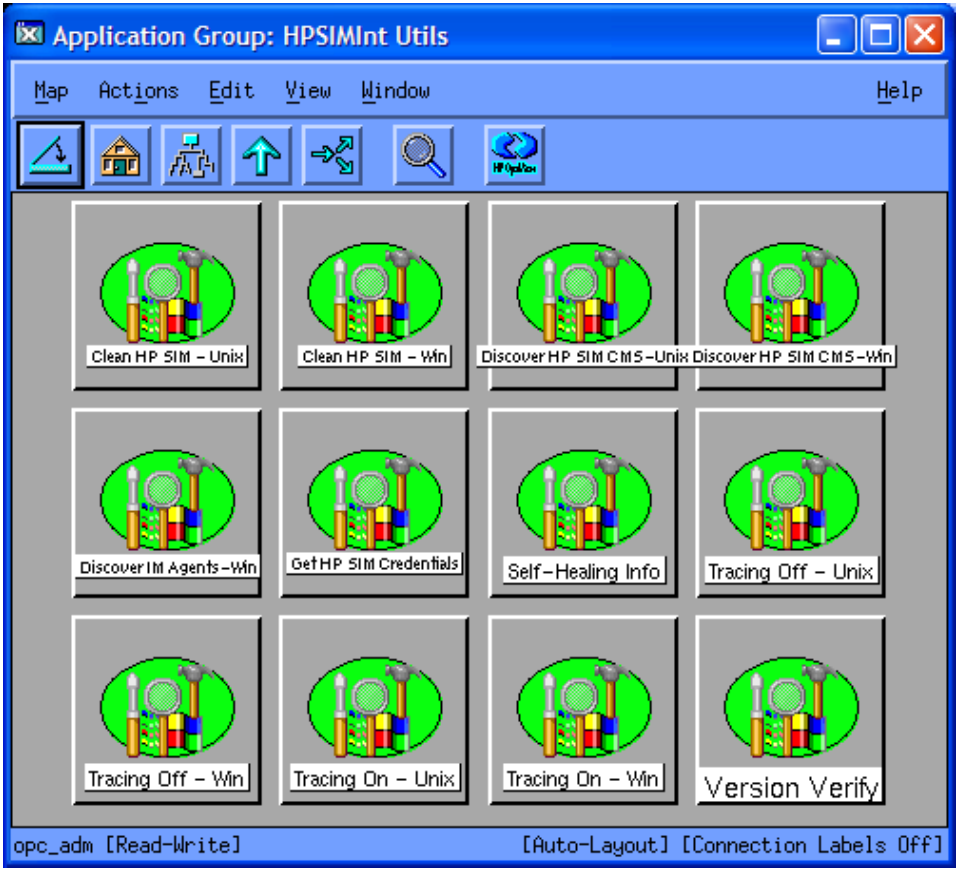
Remove Events Task	Removes Events Task from HP Systems Insight Manager that forwards events to Event Listener.	-t <taskname>- Replace <taskname> with the name of the task to be deleted. The task name is the name of the existing event forwarding task on HP SIM that the user wants to delete.
Remove Query	Removes the user-defined event collection from HP Systems Insight Manager.	Replace Additional Parameter <UserDefinedQuery> with the name of the query that you want to delete, that is displayed on the Systems and Events pane of HP SIM. Before running this application, ensure that any HP SIM task that references this query is deleted (see the previous entry for the Remove Events Task application).
Start Event Listener	Starts HP SIM Integration Event Listener and registers as subagent of HPOM Agent to forward events to HPOM. The parameter is \"-p 54321\" where 54321 is the default port number of the Event Listener. Change this value if TCP port 54321 is not available.	The parameter is -port 54321, where 54321 is thedefault port number of the Event Listener. Change this value if TCP port 54321 is not available or if you want to configure it on a different port.
Start HP SIM Service	Starts HP Systems Insight Manager Service.	
Status Event Listener	Gets the status of the HP SIM Integration Event Listener that forwards events to HPOM.	
Status HP SIM Service	Status HP Systems Insight Manager Service.	

Stop Event Listener	Stops HP SIM Integration Event Listener and unregisters as subagent of HPOM Agent to stop forwarding events to HPOM.	
Stop Fwding Imp Events	Removes the task \"HPSIMInt_ImportantEvents\" and the collection \"HPSIMInt_ImportantEvents\" on HP Systems Insight Manager, to stop forwarding the important events from HP SIM to HPOM.	
Stop Fwding Cleared Imp Events	Stops forwarding the HP SIM cleared important events to HPOM, by removing the task \"HPSIMInt_ClearedEvents\" and the collection \"HPSIMInt_ClearedEvents\" on HP SIM.	
Stop HP SIM Service	Stops HP Systems Insight Manager Service.	

For information on HP Systems Insight Manager-Win applications, see Appendix A, Applications.

Using HPSIMInt Utils Application Group

The HPSIMInt Utils application group includes applications for performing administrative tasks for HP SIM Integration.



The HPSIMInt Utils application group consists of the following applications.

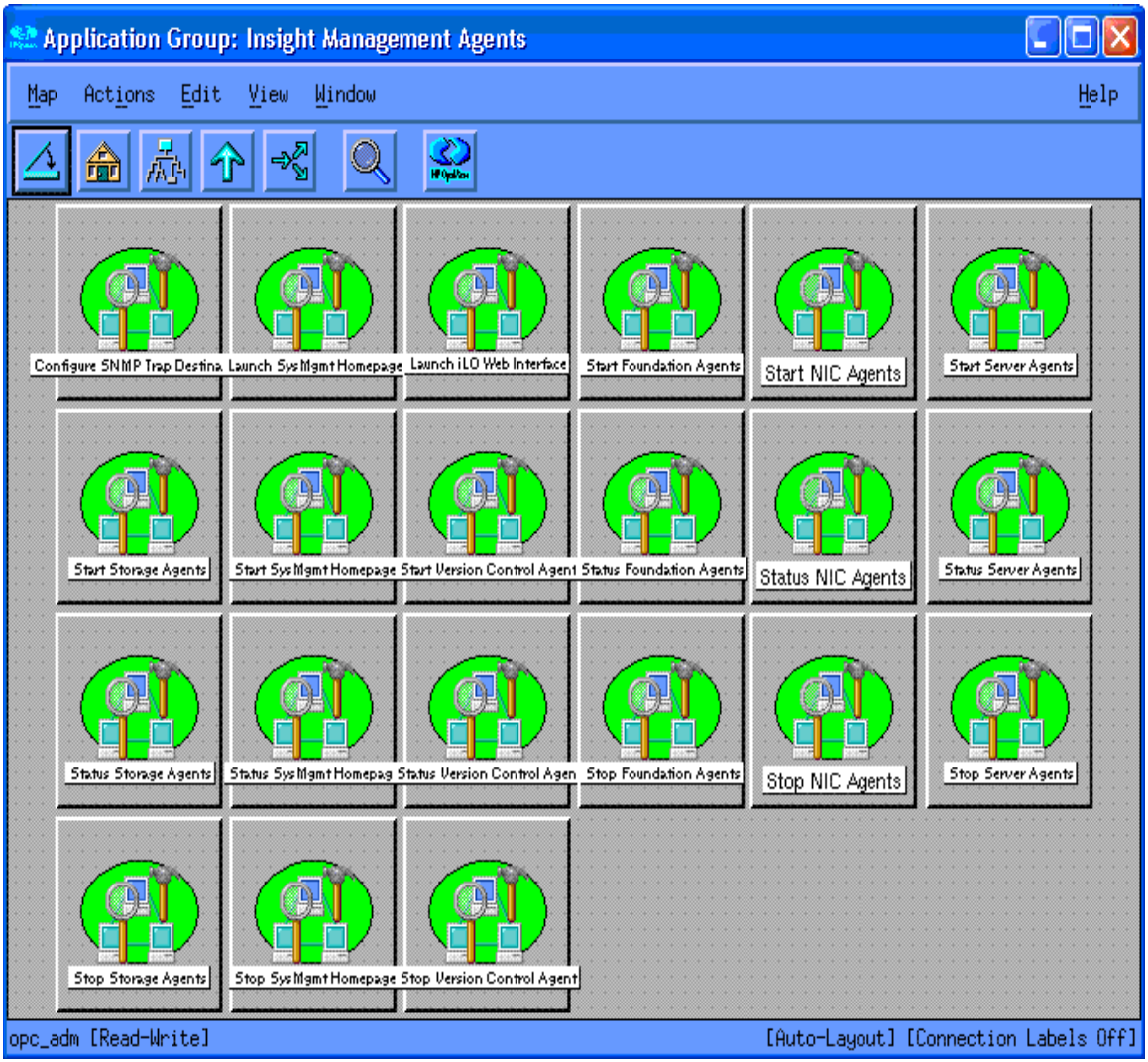
Table 15 List of applications in HPSIMInt Utils application group

Applications Name	Description
Clean HP SIM-Unix	Deletes HP SIM Integration files on the HP SIM Unix managed node.
Clean HP SIM-Win	Deletes HP SIM Integration files on the HP SIM Windows managed node.
Discover HP SIM CMS-Win	Perform HP Systems Insight Manager CMS Service Discovery on Windows managed nodes
Discover HP SIM CMS-Unix	Performs HP SIM CMS Service Discovery on UNIX managed nodes.
Discover IM Agents-Win	Perform Insight Management Agents Service Discovery on Windows managed nodes.
Get HP SIM Credentials	Get username and password of HP Systems Insight Manager for HP SIM Integration.
Tracing On-Unix	Sets HP SIM Integration tracing to ON on UNIX managed nodes. Enables tracing only for the service discovery module of HP SIM Integration. Does not support other modules.
Tracing Off-Unix	Sets the HP SIM Integration tracing to OFF state on Unix managed nodes.
Tracing On-Win	Sets the HP SIM Integration tracing to ON state on Windows managed nodes
Tracing Off-Win	Sets the HP SIM Integration tracing to OFF state on Windows managed nodes
Version Verify	Verifies the version of HPSIMInt files.

HP SIM Integration uses the Service Discovery Component for HP Operations Manager SPIs to discover HP SIM CMS, and IM Agents. When the service discovery application is run on non-HP SIM CMS or non-IM Agent nodes, the discovery application does not report any failure message to indicate non-HP SIM CMS or non-IM Agent node. The discovery application still indicates the Service Discovery on the node completed.

Using the Insight Management Agents Application

The IM Agent application group contains the applications that can be run on Windows IM Agent nodes.



Applications in this group enable you to perform the following tasks:

- Configure hardware trap destinations on the IM Agent nodes.

- Launch the IM Agent web interface.
- Start, Stop, or Get Status of IM Agent services of the IM Agent services.

The applications in the IM Agent Application Group consist of the following:

Table 16 List of applications in IM Agent application group

Application Name	Description
Configure SNMP Trap Destination	Configures SNMP trap destination on the IM Agent nodes
Launch SysMgmt Homepage	Launches the System Management Home page.
Launch iLO Web Interface	Launches the Integrated Lights-Out web interface.
Start Foundation Agents	Starts the IM Agent's Foundation Agents service.
Status Foundation Agents	Provides status of IM Agent's Foundation Agents service.
Stop Foundation Agents	Stops the IM Agent's Foundation Agents service.
Start NIC Agents	Starts the IM Agent's NIC Agents service.
Status NIC Agents	Get status of IM Agent's NIC Agents service.
Stop NIC Agents	Stops NIC Agents Service.
Start Server Agents	Starts the IM Agent's Server Agents service.
Stop Server Agents	Stops the IM Agent's Server Agents service.
Status Server Agents	Status of Server Agents Service
Start Storage Agents	Starts Storage Agents Service.
Stop Storage Agents	Stops the IM Agent's Storage Agents service.
Status Storage Agents	Get status of IM Agent's Storage Agents service.
Start Version Control Agent	Starts Version Control Agent Service.
Stop Version Control Agent	Stops the IM Agent's Version Control Agent service.
Status Version Control Agent	Get status of IM Agent's Version Control Agent service.

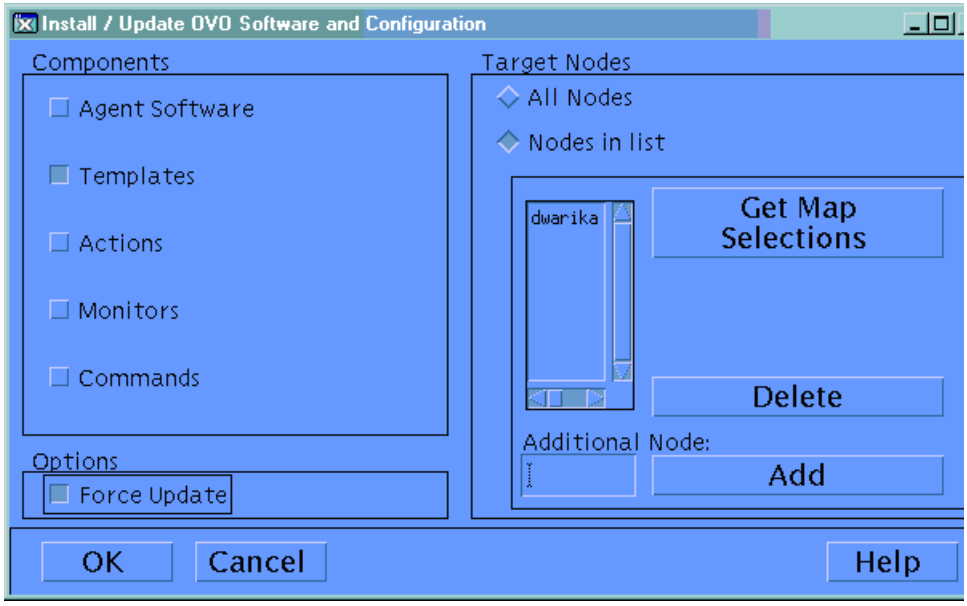
Application Name	Description
Start SysMgmt Homepage	Starts the System Management Home page Service.
Status SysMgmt Homepage	Get status of System Management Home page Service.
Stop SysMgmt Homepage	Stops the System Management Home page Service.

5 Removing HP SIM Integration

Removing HP SIM Integration Templates from HPOM Managed Nodes

Follow these steps:

1. Start the HPOM console GUI.
2. From the HPOM Node Group Bank window, press the **Ctrl** key, and select all HP SIM Integration-related node groups.
3. Select **Actions > Agents > Assign Templates**. The Define Configuration window opens.
4. Select the HP SIM Integration-related node group and click **Remove Selected**.
5. Click **OK**.
6. From the HPOM Node Group Bank window, press the **Ctrl** key and select all the HP SIM Integration-related node groups.
7. Select **Actions > Agents Install / Update SW & Config**. The Install / Update HPOM Software and Configuration window opens.



8 From the Components pane, select the **Templates** check box.

9 Select the **Force Update** check box to ensure that the modifications are distributed.

10 Click **OK** to remove HP SIM Integration templates from the HPOM managed nodes.

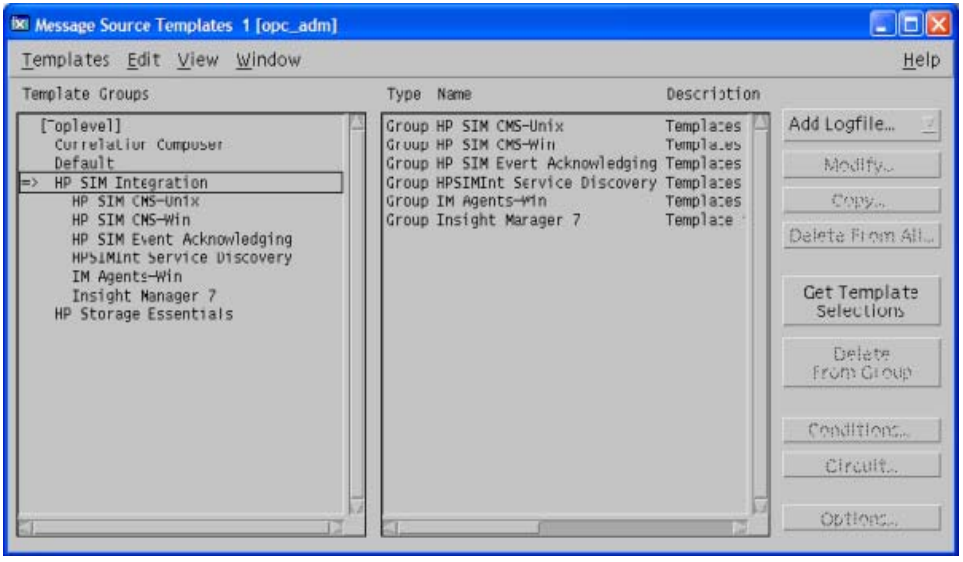
After you remove the HP SIM Integration templates from the HP SIM Integration-related managed nodes, you can remove the HP SIM Integration-related managed nodes from the Node Bank window in the HPOM GUI if you no longer wish to manage these nodes from HPOM.

The HP SIM Integration node group folders are removed automatically while removing HP SIM Integration from the HPOM management server.

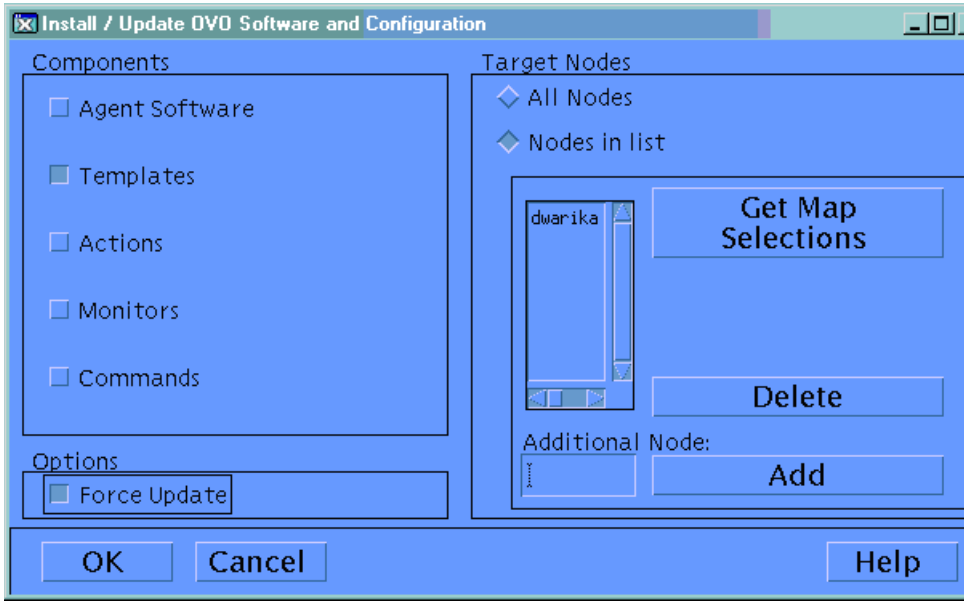
Removing HP SIM Integration Templates from the HPOM Management Server Node

Follow these steps:

1. Start the HPOM console GUI.
2. Select **Actions > Agents > Assign Templates**. The Define Configuration window opens.
3. Select the HP SIM Integration template group HP SIM Event Acknowledging and HPSIMInt Service Discovery associated with the HPOM management server node, as shown in the following figure.



4. Click **Remove Selected**.
5. Click **OK**.
6. From the HPOM Node Bank window, select the HPOM management server node.
7. Select **Actions > Agents Install / Update SW & Config**. The Install / Update HPOM Software and Configuration window opens.



8 From the Components pane, select the **Templates** check box.

9 Select the **Force Update** check box to ensure that the modifications are distributed.

10 Click **OK** to remove HP SIM Integration templates from the HPOM management server node.

Removing HP SIM Integration Components

Follow these steps:

1. Delete the HP SIM Integration event forwarding tasks and queries from the HP SIM management server.
2. Stop the HP SIM Integration Event Listener.
3. Remove nodes from HP SIM Integration node groups.
4. Remove HP SIM Integration components from nodes by running the **Clean HP SIM-Unix** *or* **Clean HP SIM-Win** application on all HP SIM Integration node groups.

Stopping the HP SIM Integration Event Listener

Follow these steps:

1. Select the appropriate HP SIM CMS management server.
2. Right-click **Stop Event Listener** application and select **Execute**.

Deleting HP SIM Integration Event Forwarding Tasks and Queries

To stop event forwarding from HP SIM to HPOM, remove the event forwarding query and its corresponding task from the HP SIM management server. Follow these steps:

1. Run the Stop Fwding Imp Events application on the HP SIM nodes to remove the HPSIMInt_ImportantEvents, which is the default query and task for forwarding HP SIM events.
2. If you configured default event acknowledgement from HP SIM to HPOM, run the Stop FwdingCleared Imp Events application to remove HPSIMInt_ClearedEvents, which is the default query and task acknowledging HP SIM events.

To delete custom event queries and tasks from HP SIM, follow these steps:

1. Run the Remove Events Task application for each custom task added to forward HP SIM events to HPOM by providing the name of the custom task.

2 Run the Remove Query application for each query to remove it from HP SIM by providing the name of the custom query.

To verify whether HP SIM Integration event tasks and queries are deleted, follow these steps:

1 Log on to the HP SIM web interface and ensure that there is no HPSIMInt_ImportantEvents or HPSIMInt_ClearedEvents query in the Events > Shared tree on the Systems and Events panel.

2 Check for any custom event queries that you added.

You can delete queries from the HP SIM web interface or using HP SIM CLI.

You can delete tasks from HP SIM using HP SIM CLI.

For more information on HP SIM CLI, see the *HP SIM Command Line Interface Reference Guide*.

Removing HP SIM Integration from Nodes

Follow these steps:

1 Open the HPSIMInt Utils application group in the HP SIM Integration application group.

2 Run the Clean HP SIM-Win application on the HP SIM CMS-Win nodes.

3 Run the Clean HP SIM-Unix application on the HP SIM CMS-Unix nodes.

Removing Nodes from HP SIM Integration Node Groups

Follow these steps:

1 Open HP SIM CMS-Win node group in the Node Group Bank.

2 Select all the nodes.

3 Right-click **Remove from this group**.

4 Repeat step 2 and 3 to remove nodes in the HP SIM CMS-Unix and IM Agents-Win Node groups.

Removing HP SIM Integration from the HPOM Management Server

If the HP SIM SPI is installed, remove it from all managed nodes before proceeding with this procedure.

Uninstalling on a HP-UX System

Follow these steps:

1. Log in to the HPOM management server as a root user.
2. In the terminal window, enter the following command:

```
/usr/sbin/swremove HPSIMInt
```

Check the following log file for more information on HPSIMInt uninstallation:

```
/var/opt/OV/log/SPIInstallLogs/HPSIMInt_UnInstall.log
```

For more information on uninstalling HP Operations Smart Plug-ins, see the *HP Opeations Smart Plug-ins DVD Installation Guide*

.

Uninstalling on a Solaris System

Follow these steps:

1. Log in to the HPOM management server as a root user.
2. In the terminal window, enter the following command:

```
/usr/sbin/pkgrm HPOvSpiSimint
```

Check the following log file for more information on HPSIMInt uninstallation:

```
/var/opt/OV/log/SPIInstallLogs/HPSIMInt_UnInstall.log
```

For more information on uninstalling HP Operations Smart Plug-ins, see the *HP Opeations Smart Plug-ins DVD Installation Guide.*

6 Troubleshooting

Start by verifying that the procedures explained in Chapter 2, Installing HP SIM Integration were completed successfully. In a successful installation, HP SIM Integration is configured as recommended and the messages that appear in the HPOM Events Browser are:

- Generated by HP SIM
- Intercepted by the HP SIM Integration templates
- Appear in the HPOM message browser in the form you are expecting

If the problem persists, refer to the following list of error messages.

Error Messages and Solutions

HP SIM events are not arriving on the HPOM management server message browser

Solution:

3 Ensure that the connection between the HPOM management server and the HP SIM CMS is up and running.

4 Send a test message from the HPOM console and ensure that it can be received in the HPOM Message Browser. You can send a test message using the command opcmsg on the managed node.

5 Ensure that the HP SIM services are running on the HP SIM CMS node.

6 Verify that the HP Operations agent was correctly installed and configured on the management server, and the HP Operations agent processes (and in particular the control agent) are running.

7 Ensure that you followed all the configuration steps in the order specified in Task 9: Configure HP SIM Integration to Forward HP SIM Events on page 44.

8 Ensure that the correct HP SIM Credentials are entered when configuring the HP SIM CMS node as described in Task 7: Obtain HP SIM CMS Credentials on page 37, before adding the node to the HP SIM node group.

9 The Get HP SIM Credentials application must be run on one node at a time.

10 Check IndicationListener.log, Parser.log, and DetailsParser.log on the managed node for error messages. If the HP SIM credentials are invalid, there will be error messages in the logs indication authentication failures.

11 Ensure that the HP SIM Integration templates were correctly deployed to the HP SIM CMS or Insight Management Agent nodes.

12 Ensure that the HP SIM Integration Event Listener is running. For more information, see Starting the Event Listener on the HP SIM Management Server on page 44.

13 Verify that the HP SIM Integration default events HPSIMInt_ImportantEvents query is present on the HP SIM CMS GUI in the Events > Public tree on the Systems and Events panel. Check the existence of the query and task using the HP SIM CLI commands mxtask and mxquery, respectively, on the HP SIM CMS node.

14 Check the task definition port and the Event Listener port to ensure they are both configured for the same port number. If not, see Task 12: Reconfigure HP SIM Integration to Forward HP SIM Events on page 61 to modify the port. To check the task definition, use the HP SIM CLI command mxtask -lf <taskname> to list the XML task definition and check the URL field to determine which port number the task is configured to send events to. Check the listener port by running the HP SIM Integration application Status Event Listener. The application output contains the Event Listener port.

15 Check the host that the HP SIM CMS and Event Listener are running on for port conflicts. Ensure that there are no other services running on the port that the Event Listener is using. If there is a port conflict, change the port number, and use a free port number. For more information on changing the Event Listener port, see Task 12: Reconfigure HP SIM Integration to Forward HP SIM Events on page 61.

Automatic acknowledgement from HPOM to HP SIM is not clearing the event in HP SIM CMS

Solution:

1. Ensure that you carried out the configuration steps described in Configuring Event Clearing from OM for Unix to HP SIM on page 56.
2. Ensure that the correct HP SIM Credentials are entered when configuring the HP SIM CMS node. See Task 7: Obtain HP SIM CMS Credentials on page 37.
3. Check IndicationListener.log, Parser.log and DetailsParser.log on the managed node for error messages. If the HP SIM credentials are invalid, there will be error messages in the logs indicating authentication failures. See Task 7: Obtain HP SIM CMS Credentials on page 37 for instructions on entering the HP SIM credentials.
4. Ensure that the HP SIM Event Acknowledging template HPSIMInt-HPSIM_ClearEvents was deployed on the HPOM Management Server. See Installing HP SIM Integration Event Acknowledge/Clear Template on the OM Management Server on page 56.

HP SIM event details in HPOM do not describe the problem adequately

Solution:

1. Select an HP SIM event from the HPSIMInt-Systems_Insight_Manager message group.
2. Right-click the event and select **Perform/Stop Action > Perform Operator-Initiated Action**. The HP Systems Insight Manager logon page opens.
3. If the page is HP SIM 5.2, the page displays the HP SIM GUI in the event details page of the reported event.If the page is HP SIM 5.1, the page displays the HP SIM Selected Systems page listing the device reporting the event. On clicking on the system name, the page displays the HP SIM GUI in the System Page for the device of the reported event. Click the **Events** tab to view the full event text.

Known Issues

Operator-initiated action or application fails to launch web interface

The message appears when Netscape, the default HPOM browser, is not present.

Solution:

Configure HPOM for an available web browser (like Mozilla).

1. Set the environment variable $WWW_BROWSER=<Web browser name>
2. Include the Web browser path to the environment variable, $PATH.
3. Add the following line to the /etc/opt/OV/share/conf/ovweb.conf file:

```
Browser: <browser path> %s
```

Perform/Stop Action option is disabled for messages from monitor templates of HP SIM Integration

This option is disabled by default.

Solution:

1. Open the following file for editing.
2. Insert the following rules in the xml file:

```
"/etc/opt/OV/share/conf/OpC/mgmt_sv/remactconf.xml"

<rule>
  <doc>Actions from HP SIM CMS-Win node group to management
server</doc>
    <if>
      <source>
        <nodegroup>HP SIM CMS-Win</nodegroup>
      </source>
      <target>
        <mgmtsrv/>
      </target>
```

```
      <certified>false</certified>
      </if>
     <allow/>
</rule>
<rule>
  <doc>Actions from HP SIM CMS-Unix node group to management
server</doc>
    <if>
      <source>
        <nodegroup>HP SIM CMS-Unix</nodegroup>
      </source>
      <target>
        <mgmtsrv/>
      </target>
      <certified>false</certified>
      </if>
    <allow/>
</rule>
<rule>
  <doc>Actions from IM Agents-Win node group to management
server</doc>
    <if>
      <source>
        <nodegroup>IM Agents-Win</nodegroup>
      </source>
      <target>
        <mgmtsrv/>
      </target>
      <certified>false</certified>
    </if>
  <allow/>
</rule>
```

3 Save and close the file.

Meaningless HP SIM message in HPOM message browser

The following message appears when the version of HP SIM is lower than 5.0 SP5.

```
For further information click on the event details link below.
```

Solution:

Upgrade the version of HP SIM to version 5.0 SP5.

A Applications

This appendix describes configuration and troubleshooting utilities provided by the following HP SIM Integration applications.

HP Systems Insight Manager-Unix

The HP Systems Insight Manager-Unix application group includes applications for HP SIM UNIX nodes.

Table 17 List of applications in HP Systems Insight Manager-Unix application group

Application	Description
Add Nodes to HP SIM	Adds nodes to the HP SIM server.
Create Events Task	Creates Events Task on HP SIM to forward events to Event Listener.
Execute HP SIM Tool	Execute HP SIM tool on its managed nodes.
Fwd ClearedImp Events	Creates the default collections and tasks on HP Systems Insight Manager for forwarding cleared important events from HPSIM to HPOM
Fwd Imp Events	Creates the default collections and tasks on HP Systems Insight Manager to forward important events from HP SIM to HPOM
Get HP SIM Nodes	Gets nodes being managed by the HP Systems Insight Manager server.
Get HP SIM Port	Gets the SSL port to be used by other HP SIM tools to communicate to the HP SIM server

Application	Description
Get HP SIM Tool Status	Gets the status of tool execution on HP Systems Insight Manager managed nodes
Launch HP SIM Console	Launches the HP Systems Insight Manager console.
Remove Events Task	Removes EventsTaskfromHPSIMthat forwards events to Event Listener
Remove Query	Removes the user defined query from HP SIM
Start Event Listener	Starts HP SIM Integration Event Listener and registers as subagent of OVO Agent to forward events to OVO
Start HP SIM Service	Starts HP SIM Service
Status Event Listener	Get the status of HP SIM Integration Event Listener that forwards events to OVO
Status HP SIM Service	Status of HP Systems Insight Manager Service
Stop Event Listener	Stops HP SIM Integration Event Listener and unregisters as subagent of OVO Agent to stop forwarding events to OVO
Stop Fwding Cleared Imp Events	Stops forwarding the HP SIM cleared important events to HPOM, by removing the task \"HPSIMInt_ClearedEvents\" and the collection \"HPSIMInt_ClearedEvents\" on HP SIM.
Stop Fwding Imp Events	Removes the task \"HPSIMInt_ImportantEvents\" and the collection \"HPSIMInt_ImportantEvents\" on HP Systems Insight Manager, to stop forwarding the important events from HP SIM to HPOM.
Stop HP SIM Service	Stops HP SIM Service

HP Systems Insight Manager-Win

The HP Systems Insight Manager-Win application group includes applications for HP SIM Windows nodes.

Table 18 List of applications in HP Systems Insight Manager-Win application group

Application	Description
Add Nodes to HP SIM	Adds nodes to HP SIM server.
Create Events Task	Creates Events Task onHP SIMtoforward events to EventListener.
Execute HP SIM Tool	Executes HP SIM tool on its managed nodes.
Fwd Cleared Imp Events	Creates the default collections and tasks on HP Systems Insight Manager for forwarding cleared important events from HPSIM to HPOM
Fwd Imp Events	Creates the default collections and tasks on HP Systems Insight Manager to forward important events from HP SIM to HPOM
Get HP SIM Nodes	Gets nodes that are managed by the HP SIM server
Get HP SIM Port	Gets the SSL port to be used by other HP SIM tools to communicate to the HP SIM server
Get HP SIM Tool Status	Gets the status of tool execution on HP Systems Insight Manager managed nodes
Launch HP SIM Console	Launches the HP SIM console
Remove Events Task	Removes Events Task from HP Systems Insight Manager that forwards events to Event Listener
Remove Query	Removes the user-defined event collection from HP Systems Insight Manager
Start Event Listener	Starts HP SIM Integration Event Listener and registers as subagent of OVO Agent to forward events to OVO
Start OpenSSH Service	Starts OpenSSH Service

Application	Description
Start Pegasus WMI Mapper Service	Starts Pegasus WMI Mapper Service
Start HP SIM Service	Starts HP SIM Service
Status Event Listener	Gets the status of HP SIM Integration Event Listener that forwards events to OVO
Status HP SIM Service	Gets the status HP SIM Service
Status OpenSSH Service	Status of OpenSSH Service
Status Pegasus WMIMapper Service	Gets the status of Pegasus WMI Mapper Service
Stop Event Listener	Stops HP SIM Integration Event Listener and unregisters as subagent of OVO Agent to stop forwarding events to OVO
Stop Fwding Cleared Imp Events	Stops forwarding the HP SIM cleared important events to HPOM, by removing the task \"HPSIMInt_ClearedEvents\" and the collection \"HPSIMInt_ClearedEvents\" on HP SIM.
Stop Fwding Imp Events	Removes task HPSIMInt_ImportantEvents and query HPSIMInt_Important on HP SIM to stop forwarding the important events from HP SIM to OVO
Stop HP SIM Service	Stops HP Systems Insight Manager Service
Stop Pegasus WMI Mapper Service	Stops Pegasus WMI Mapper Service
Stop OpenSSH Service	Stops OpenSSHService
Stop Pegasus WMI Mapper Service	Stops Pegasus WMI Mapper Service

The HP Systems Insight Manager-Unix application group consists of applications for HP SIM UNIX nodes.

HP SIM Integration Utils

The HPSIMInt Utils application group includes applications for performing administrative tasks for HP SIM Integration.

Table 19 List of applications in HP SIM Integration Utils

Application	Description
Clean HP SIM-Unix	Deletes HP SIM Integration files on the HP SIM Unix managed node
Clean HP SIM-Win	Deletes HP SIM Integration files on the HP SIM Windows managed node
Discover HP SIM CMS-Unix	Performs HP SIM CMS Service Discovery on the Unix managed nodes
Discover HP SIM CMS-Win	Performs HP SIM CMS Service Discovery on the Windows managed nodes
Discover IM Agents-Win	Performs IM Agents Service Discovery on the Windows managed nodes
Get HP SIM Credentials	Gets the user name and password of HP SIM for HP SIM Integration
Traci ng Off-Unix	Sets HP SIM Integration tracing to OFF on the Unix managed nodes
Traci ng Off-Win	Sets HP SIM Integration tracing to OFF on the Windows managed nodes
Traci ng On-Unix	Sets HP SIM Integration tracing to ON state on the Unix managed nodes
Traci ng On-Win	Sets HP SIM Integration tracing to ON on the Windows managed nodes
Version Verify	Verifies the version of HP SIM Integration files

The Trace ON/OFF application enables trace ONLY for service discovery module of HP SIM Integration and application does not support other modules.

Insight Management Agents

The Insight Management Agents application group includes applications for Insight Management Agents.

Table 20 List of applications in Insight Management Agents application group

Application	Description
Configure SNMP Trap Destination	Configures SNMP trap destination on the Insight Management agent nodes
Launch SysMgmt Homepage	Launches System Management Homepage
Launch iLO Web Interface	Launches Integrated Lights-Out Web Interface
Start Foundation Agents	Starts Foundation Agents Service
Start NIC Agents	Starts NIC Agents Service
Start Server Agents	Starts Server Agents Service
Start Storage Agents	Starts Storage Agents Service
Start SysMgmt Homepage	Starts System Management Home page Service
Start Version Control Agent	Starts Version Control Agent Service
Status Foundation Agents	Status of Foundation Agents Service
Status NIC Agents	Status of NIC Agents Service
Status Server Agents	Gets the status of Server Agents Service
Status Storage Agents	Gets the status of Storage Agents Service
Status SysMgmt Homepage	Status of System Management Homepage Service
Status Version Control Agent	Status Version Control Agent Service
Stop Foundation Agents	Stops Foundation Agent Service
Stop NIC Agents	Stops NIC Agents Service
Stop Server Agents	Stops Server Agents Service
Stop Storage Agents	Stops Storage Agents Service

Application	Description
Stop SysMgmt Homepage	Stops System Management Home page Service
Stop Version Control Agent	Stops Version Control Agent Service

Tracing

If tracing is enabled, all tracing information generated by HP SIM Integration scripts and executables are written to the following files:

- HP-UX:

  `/var/opt/OV/log/HPSIMInt/HPSIMInt.trc`

- Linux:

  `/var/opt/OV/log/HPSIMInt/HPSIMInt.trc`

- Window:

  `%OvAgentDir%\log\HPSIMInt\HPSIMInt.trace`

You can enable tracing by setting a flag in the configuration file/data:

- HP-UX:

  `/var/opt/OV/conf/HPSIMInt/HPSIMInt.cfg`

- Linux:

  `/var/opt/OV/conf/HPSIMInt/HPSIMInt.cfg`

- Windows:

  `%OvAgentDir%\conf\HPSIMInt\HPSIMInt.cfg`

The Trace ON/OFF application is only applicable for the service discovery module of HP SIM Integration.

HP SIM Integration allows tracing to be set only on the HP SIM CMS managed nodes.

B Templates

When HP SIM Integration is installed, a number of template groups are uploaded to the HPOM database. The following high-level HP SIM Integration template groups are available.

Templates Deployed on the HPOM Management Server

HP SIM Event Acknowledging Template Groups

The HP SIM Event Acknowledging template groups consist of templates for clearing events on HP SIM when these events are acknowledged on HPOM.

Table 21 List of templates in HP SIM Event Acknowledging template groups

Template	Description	Type
HPSIMInt-HPSIM_ClearEvents	Clears the events on HP Systems Insight Manager when it is acknowledged on OVO Unix.	Schedule

HPSIMInt Service Discovery Template Groups

The HP SIM Integration Service Discovery template group consists of templates for HP SIM CMS, IM Agents, and Service Discovery.

Table 22 List of templates in HP SIM Integration Service Discovery template group

Template	Description	Type
HPSIMInt-HPSIM_ServiceDiscovery-Unix	Discovers HP SIM CMS services on the Unix nodes.	Schedule
HPSIMInt-HPSIM_ServiceDiscovery-Win	Discovers HP SIM CMS services on the Windows nodes.	Schedule
HPSIMInt-IMAgents_ServiceDiscovery-Win	Discovers IM Agents and IM 7 services on the Windows nodes.	Schedule

Templates Deployed on the OVO Managed Nodes

HP SIM CMS-Unix Template Groups

The HP SIM CMS-Unix template groups consists of templates for HP SIM for UNIX. These templates are deployed to the HP SIM CMS UNIX managed nodes.

Table 23 List of templates in HP SIM CMS-Unix template groups

Template	Description	Type
HP SIM Event Forwarding-Unix	Templates for forwarding events from HP SIM to HPOM	Group
HP SIM Service Monitoring-Unix	Monitors HP SIM services on Unix nodes	Group

The HP SIM Event Forwarding-Unix template group contains the HP SIM Event Forwarding-Unix templates.

Table 24 List of templates in HP SIM Event Forwarding-Unix template group

Template	Description	Type
HPSIMInt-HPSIM_Events-Unix	Forwards and acknowledges the HP Systems Insight Manager Events to HPOM.	Message
HPSIMInt-HPSIM_EventListenerMonitoring-Unix	Monitors the HP SIM Integration Event Listener on Unix nodes.	Monitor

The HP SIM Service Monitoring-Unix template group contains the HP SIM Service Monitoring-Unix templates.

Table 25 List of templates in HP SIM Service Monitoring-Unix template group

Template	Description	Type
HPSIMInt-HPSIM_HPSIMServiceMonitoring-Unix	Checks the 'HP Systems Insight Manager' service on Unix nodes.	Monitor

HP SIM CMS-Win Template Groups

HP SIM CMS-Win template groups consist of templates for HP SIM for Windows. These templates are deployed to the HP SIM CMS Windows managed nodes.

Table 26 List of templates in HP SIM CMS-Win template groups

Template	Description	Type
HP SIM Event Forwarding-Win	Templates for forwarding events from HP SIM to HPOM.	Message
HP SIM Service Monitoring-Win	Templates for monitoring HP SIM services on the Windows nodes.	Group

The HP SIM Event Forwarding-Win template group contains the HP SIM Event Forwarding-Win templates described in the following table.

Table 27 List of templates in HP SIM Event Forwarding-Win template group

Template	Description	Type
HPSIMInt-HPSIM_Events-Win	Forwards and acknowledges the HP Systems Insight Manager Events to HPOM..	Message
HPSIMInt-HPSIM_EventListenerMonitoring-Win	Monitors the HP SIM Integration Event Listener on Windows nodes.	Monitor

The HP SIM Service Monitoring-Win template group contains the HP SIM Event Forwarding-Win templates.

Table 28 List of templates in HP SIM Service Monitoring-Win template group

Template	Description	Type
HPSIMInt-HPSIM_HPSIMServiceMonitoring-Win	Checks the 'HP Systems Insight Manager' service on Windows nodes.	Monitor
HPSIMInt-HPSIM_OpenSSHdServiceMonitor-Win	Monitors the OpenSSHd service on the Windows nodes	Monitor
HPSIMInt-HPSIM_WMIMapperServiceMonitoring-Win	Checks the 'Pegasus WMI Mapper' service on Windows nodes	Monitor

IM Agents-Win Template Groups

The IM Agents-Win template groups consist of templates for Insight Management Agents on Windows nodes. These templates are deployed to the IM Agent managed nodes.

Table 29 List of templates in IM Agents-Win template groups

Template	Description	Type
IM Agents Hardware Traps	Templates for forwarding SNMP Traps from Insight Management Agents to HPOM.	Group
IM Agents Service Monitoring	Monitors IM Agents Services.	Group

The IM Agents Hardware Traps template group contains list of hardware trap templates listed in the following table.

Table 30 List of hardware trap templates in IM Agents Hardware Traps template group

Template	Description	Type
HPSIMInt-IMAgents_FwdCIMTraps	Forwards IM Agents **ProLiant GbE Switches** SNMP Traps.	Trap
HPSIMInt-IMAgents_FwdCMCTraps	Forwards IM Agents **Console Management Controller** SNMP Traps.	Trap
HPSIMInt-IMAgents_FwdCMCTraps	Forwards IM Agents **Console Management Controller** SNMP Traps.	Trap
HPSIMnt-IMAgents_FwdChannelArray-Traps	Forwards IM Agents **Fibre Channel Array** SNMP Traps	Trap
HPSIMInt-IMAgents_FwdClusterTraps	Forwards IM Agents Cluster SNMP Traps	Trap
HPSIMInt-IMAgents_FwdDMITraps	Forwards IM Agents DMI SNMP Traps	Trap
HPSIMInt-IMAgents_FwdDriveArrayTraps	Forwards IM Agents Intelligent Drive Array SNMP Traps	Trap

Template	Description	Type
HPSIMInt-IMAgents _FwdHostOSTraps	Forwards IM Agents Host Operating System SNMP Traps	Trap
HPSIMInt-IMAgents _FwdICATraps	HPSIMInt-IMAgents_FwdICATraps	Trap
HPSIMInt-IMAgents _FwdIDEDriveTraps	Forwards IM Agents **Manageable IDE Drive** SNMP Traps	Trap
HPSIMInt-IMAgents _FwdNICTraps	Forwards IM Agents Network Interface Card SNMP Traps	Trap
HPSIMInt-IMAgents _FwdPCConfigTraps	Forwards IM Agents PC Equipment Configuration SNMP Traps	Trap
HPSIMInt-IMAgents _FwdPowerDevices-Traps	Forwards IM Agents Power Devices SNMP Traps	Trap
HPSIMInt-IMAgents _FwdRPMTraps	Forwards IM Agents Rack Power Manager SNMP Traps	Trap
HPSIMInt-IMAgents _FwdRackTraps	Forwards IM Agents Rack Information SNMP traps	Trap
HPSIMInt-IMAgents _FwdRaidController-Traps	Forwards IM Agents Raid Controller SNMP Traps	Trap
HPSIMInt-IMAgents _FwdRecoverySvr-Traps	Forwards IM Agents Recovery Server SNMP Traps	Trap
HPSIMInt-IMAgents _FwdSANTraps	Forwards IM Agents Storage Area Networks SNMP traps	Trap

Template	Description	Type
HPSIMInt-IMAgents_FwdSCSIDevices-Traps	Forwards IM Agents SCSI Devices' SNMP Traps	Trap
HPSIMInt-IMAgents_FwdSTEAMTraps	Forwards IM Agents StorageWorks Enterprise Array Manager SNMP traps	Trap
HPSIMInt-IMAgents_FwdSWCCTraps	Forwards IM Agents 'StorageWorks Command Console' SNMP traps	Trap
HPSIMInt-IMAgents_FwdServerMgrTraps	Forwards IM Agents Server Manager SNMP Traps	Trap
HPSIMInt-IMAgents_FwdServiceIncident-Traps	Forwards IM Agents Service Incident Information SNMP Traps	Trap
HPSIMInt-IMAgents_FwdStorageSysTraps	Forwards IM Agents 'Storage Systems' SNMP Traps	Trap
HPSIMInt-IMAgents_FwdSvrHealthTraps	Forwards IM Agents Server Health SNMP Traps	Trap
HPSIMInt-IMAgents_FwdSysInfoTraps	Forwards IM Agents System Information SNMP Traps	Trap
HPSIMInt-IMAgents_FwdThresholdMgmt-Traps	Forwards IM Agents Threshold Management SNMP Traps	Trap
HPSIMInt-IMAgents_FwdUPSTraps	Forwards IM Agents Uninterrupted Power Supply SNMP Traps	Trap

The IM Agents Service Monitoring template group contains the list of service monitoring templates.

Table 31 List of service monitoring templates in IM Agents Service Monitoring template group

Template	Description	Type
HP Remote Insight Lights Out	Templates for Remote Insight Lights Out	Group
IM Foundation Agents	Templates for Foundation Agents	Group
IM NIC Agents	Templates for NIC Agents	Group
IM Server Agents	Templates for Server Agents	Group
IM Storage Agents	Templates for Storage Agents	Group
IM System Homepage	Templates for System Management Home page	Group
IM Version Control Agent	Templates for Version Control Agent	Group

The HP Remote Insight Lights Out template contains the following template:

- **HPSIMInt-IMAgents_FwdRIBTraps**

  Description: Forwards IM Agents Remote Insight Board SNMP Traps

  Type: Trap

The **IM Foundation Agents** template contains the following template:

- **HPSIMInt-IMAgents_FoundationAgents**

  Description: Checks the Foundation Agents Service

  Type: Monitor

The IM NIC Agents template contains the following template:

- **HPSIMInt-IMAgents_NICAgents**

  Description: Checks the NIC Agents Service

  Type: Monitor

The **IM Server Agents** template contains the following template:

- **HPSIMInt-IMAgents_ServerAgents**

  Description: Checks the Server Agents Service

Type: Monitor

The IM Storage Agents template contains the following template:

- **HPSIMInt-IMAgents_StorageAgents**

  Descriptions: Checks the Storage Agents Service.
  Type: Monitor

The IM System Homepage template contains the following template:

- **HPSIMInt-IMAgents_SysMgmtHomepage**

  Description: Checks the System Management Homepage Service.
  Type: Monitor

The IM Version Control Agent template contains the following template:

- **HPSIMInt-IMAgents_VCAgent**

  Description: Checks the Version Control Agent Service.
  Type: Monitor

SNMP Trap Templates Rules

The IM Agents Hardware Traps template group contains SNMP Trap Interceptor templates with rules or conditions to match SNMP traps from the Insight Management Agents. There are rules to match a trap generated for different status of the monitored object.

For example, a trap is generated when status of a physical drive changes from Ready to Rebuild to Rebuilding, there is a rule or condition to match this change of status of the Physical drive and send a message with correct status of the Physical drive. The existing message on the OVO console or message browser, related to this object is acknowledged by the arriving message. Upon receiving a message, users can drill down to the root cause of the problem using the System Management Home page that can be launched using an operator-initiated action. The templates and conditions in them are listed below. The Insight Management Agent SNMP Trap from which traps are used to create the conditions are mentioned in the parentheses following the template name.

The Operator Initiated Action in the templates opens a web browser displaying the System Management Home page of the node from which the message is received.

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt_IMAgents_FwdPowerDevices-Traps(cpqpower.mib)

1. Insight Management Agent: A critical alarm has occurred.(.1.3.6.1.4.1.232.165.1.1)
2. Insight Management Agent: A Warning Alarm has occurred. (.1.3.6.1.4.1.232.165.1.2)
3. Insight Management Agent: An Informational alarm has occurred. (.1.3.6.1.4.1.232.165.1.3)
4. Insight Management Agent: An alarm has cleared. (.1.3.6.1.4.1.232.165.1.4)
5. Insight Management Agent: This Trap is sent each time a power device is initialized. (.1.3.6.1.4.1.232.165.1.6)

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt_IMAgents_FwdServiceIncidentTraps (cpqservice.mib)

1. Insight Management Agent: A service incident is generated when it is determined that a service event has occurred upon an analysis of system initiated event traps or an update to a service event has occurred .(.1.3.6.1.4.1.232.0.164001)
2. Insight Management Agent: A service incident is generated when it is determined that a service event has occurred upon an analysis of system initiated event traps or an update to a service event has occurred .(.1.3.6.1.4.1.232.0.164002
3. Insight Management Agent: A service incident is generated when it is determined that a service event has occurred upon an analysis of system initiated event traps or an update to a service event has occurred .(.1.3.6.1.4.1.232.0.164003))

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdChannelArrayTraps (uses CPQFCA.MIB)

The templates or templates and the rules or conditions in them are listed. The Insight Management Agent SNMP Trap from which traps are used to create the rules are mentioned in the parentheses following the template name.

1. Insight Management Agent: Fibre Channel Array Logical Drive status is FAILED contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
2. Insight Management Agent: Fibre Channel Array Logical Drive status is RECOVERING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
3. Insight Management Agent: Fibre Channel Array Logical Drive status is READY for REBUILD, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
4. Insight Management Agent: Fibre Channel Array Logical Drive status is REBUILDING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
5. Insight Management Agent: Fibre Channel Array Logical Drive status is WRONG DRIVE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
6. Insight Management Agent: Fibre Channel Array Logical Drive status is BAD CONNECTION, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)
7. Insight Management Agent: Fibre Channel Array Logical Drive status is OVERHEATING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)

8 Insight Management Agent: Fibre Channel Array Logical Drive status is SHUTDOWN, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)

9 Insight Management Agent: Fibre Channel Array Logical Drive status is UNAVAILABLE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16001)

10 Insight Management Agent: Fibre Channel Array Spare Drive status is FAILED, contained in SNMP Varbind 7 on bus contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.16002)

11 Insight Management Agent: Fibre Channel Array Spare Drive status is BUILDING, contained in SNMP Varbind 7 on bus contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.16002)

12 Insight Management Agent: Fibre Channel Array Physical Drive status is FAILED, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16003)

13 Insight Management Agent: Fibre Channel Array Physical Drive status is PREDICTIVEFAILURE, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16003)

14 Insight Management Agent: Fibre Channel Array Physical Drive status is THRESHOLDEXCEEDED, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16003)

15 Insight Management Agent: Fibre Channel Array Accelerator Board status is TEMPORARILY DISABLED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16004)

16 Insight Management Agent: Fibre Channel Array Accelerator Board status is PERMANENTLY DISABLED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16004)

17 Insight Management Agent: Fibre Channel Array Accelerator lost battery power. Data loss is possible. (1.3.6.1.4.1.232.0.16005)

18 Insight Management Agent: Fibre Channel Array Accelerator Board battery status is failed.(1.3.6.1.4.1.232.0.16006)

19 Insight Management Agent: Fibre Channel Array Controller status is FAILED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16007)

20 Insight Management Agent: Fibre Channel Array Controller status is OFFLINE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16007)

21 Insight Management Agent: Fibre Channel Tape Controller Status is OFFLINE, contained in SNMP Varbind 4 for a tape controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16008)

22 Insight Management Agent: Fiber Channel Tape Library Status is DEGRADED, contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.16009)

23 Insight Management Agent: Fiber Channel Tape Library Status is FAILED, contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.16009)

24 Insight Management Agent: Fibre Channel Tape Library Door Status is OPEN, contained in SNMP Varbind 7 for tape library. (1.3.6.1.4.1.232.0.16010)

25 Insight Management Agent: Fibre Channel Tape Library Door Status is CLOSED, contained in SNMP Varbind 7 for tape library .(1.3.6.1.4.1.232.0.16010)

26 Insight Management Agent: Fibre Channel Tape Drive Status is DEGRADED, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16011)

27 Insight Management Agent: Fibre Channel Tape Drive Status is FAILED, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16011)

28 Insight Management Agent: Fibre Channel Tape Drive Status is OFFLINE, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16011)

29 Insight Management Agent: Fibre Channel Tape Drive Status is MISSING WAS OK, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16011)

30 Insight Management Agent: Fibre Channel Tape Drive Status is MISSING WAS OFFLINE, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16011)

31 Insight Management Agent: Fibre Channel Tape Drive cleaning required. (1.3.6.1.4.1.232.0.16012)

32 Insight Management Agent: Cleaning tape needs replacing (1.3.6.1.4.1.232.0.16013)

33 Insight Management Agent: Fibre Channel Host Controller Status is FAILED, contained in SNMP Varbind 4 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16015)

34 Insight Management Agent: Fibre Channel Host Controller Status is LOOPDEGRADED, contained in SNMP Varbind 4 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16015

35 Insight Management Agent: Fibre Channel Host Controller Status is LOOPFAILED contained in SNMP Varbind 4 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16015)

36 Insight Management Agent: External Array Redundant Controller Active (.1.3.6.1.4.1.232.0.16014)

37 Insight Management Agent: Fibre Channel Array Physical Drive status is FAILED, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16016)

38 Insight Management Agent: Fibre Channel Array Physical Drive status is PREDICTIVEFAILURE, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16016)

39 Insight Management Agent: Fibre Channel Array Physical Drive status is THRESHOLDEXCEEDED, contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.16016)

40 Insight Management Agent: Fibre Channel Array Accelerator Board status is TEMPORARILY DISABLED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16017)

41 Insight Management Agent: Fibre Channel Array Accelerator Board status is PERMANENTLY DISABLED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16017)

42 Insight Management Agent: Fibre Channel Array Accelerator lost battery power. Data Loss possible.(1.3.6.1.4.1.232.0.16018)

43 Insight Management Agent: Fibre Channel Array Accelerator Board Battery status is failed.(1.3.6.1.4.1.232.0.16019)

44 Insight Management Agent: Fibre Channel Array Controller status is FAILED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16020)

45 Insight Management Agent: Fibre Channel Array Controller status is OFFLINE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16020)

46 Insight Management Agent: Fibre Channel Host Controller Status is FAILED, contained in SNMP Varbind 4 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16021)

47 Insight Management Agent: Fibre Channel Controller status is OK, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16010)

48 Insight Management Agent: Fibre Channel Host Controller Status is LOOPFAILED, contained in SNMP Varbind 4 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16021)

49 Insight Management Agent : Fibre Channel Host Controller Status is SHUTDOWN, contained in SNMP Varbind 4 for the host controller contained in SNMP Varbind 3.(1.3.6.1.4.1.232.0.16021).

50 Insight Management Agent: Fibre Channel Array Logical Drive status is FAILED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

51 Insight Management Agent: Fibre Channel Array Logical Drive status is RECOVERING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

52 Insight Management Agent: Fibre Channel Array Logical Drive status is READY for REBUILD, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

53 Insight Management Agent: Fibre Channel Array Logical Drive status is REBUILDING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

54 Insight Management Agent: Fibre Channel Array Logical Drive status is WRONG DRIVE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

55 Insight Management Agent: Fibre Channel Array Logical Drive status is BAD CONNECTION, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

56 Insight Management Agent: Fibre Channel Array Logical Drive status is OVERHEATING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

57 Insight Management Agent: Fibre Channel Array Logical Drive status is SHUTDOWN, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

58 Insight Management Agent: Fibre Channel Array Logical Drive status is UNAVAILABLE, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.16022)

59 Insight Management Agent: External Tape Drive Status is NORMAL, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16023)

60 Insight Management Agent: External Tape Drive Status is DEGRADED, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16023)

61 Insight Management Agent: External Tape Drive Status is FAILED, contained in SNMP Varbind 7 for a tape drive. (1.3.6.1.4.1.232.0.16023)

62 Insight Management Agent: External Tape Drive Status is OFFLINE, contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.16023)

63 Insight Management Agent: External Tape Drive Status is MISSING WAS OK, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16023)

64 Insight Management Agent: External Tape Drive Status is MISSING WAS OFFLINE, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16023)

65 Insight Management Agent: External Tape Drive cleaning required. (1.3.6.1.4.1.232.0.16024)

66 Insight Management Agent: Cleaning tape needs replacing (1.3.6.1.4.1.232.0.16025)

67 Insight Management Agent: External Tape Library status is NORMAL, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16026)

68 Insight Management Agent: External Tape Library status is DEGRADED, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16026)

69 Insight Management Agent: External Tape Library status is FAILED, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16026)

70 Insight Management Agent: External Tape Library status is OFFLINE, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16026)

71 Insight Management Agent: External Tape Library door status is OPEN, contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.16027)

72 Insight Management Agent: Fibre Channel Host Controller Status is FAILED, status is contained in SNMP Varbind 5 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16028)

73 Insight Management Agent: Fibre Channel Host Controller Status is LOOPDEGRADED, contained in SNMP Varbind 5 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16028)

74 Insight Management Agent: Fibre Channel Host Controller Status is LOOPFAILED, contained in SNMP Varbind 5 for a host controller contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.16028)

75 Insight Management Agent: Fibre Channel Host Controller Status is SHUTDOWN, contained in SNMP Varbind 5 for the host controller contained in Varbind 3. (1.3.6.1.4.1.232.0.16028)

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt-IMAgents_FwdClusterTraps (uses CPQCLUS.MIB)

1 Insight Management Agent: Cluster contained in SNMP Varbind 3 has become degraded.(1.3.6.1.4.1.232.0.15001)

2 Insight Management Agent: Cluster contained in SNMP Varbind 3 has failed. (1.3.6.1.4.1.232.0.15002)

3 Insight Management Agent: Cluster service on contained in SNMP Varbind 3 has become degraded. (1.3.6.1.4.1.232.0.15003)

4 Insight Management Agent: Cluster service on node contained in SNMP Varbind 3 has failed. (1.3.6.1.4.1.232.0.15004)

5 Insight Management Agent: Cluster resource contained in SNMP Varbind 3 has become degraded. (1.3.6.1.4.1.232.0.15005)

6 Insight Management Agent: Cluster resource contained in SNMP Varbind 3 has failed.(1.3.6.1.4.1.232.0.15006)

7 Insight Management Agent: Cluster network contained in SNMP Varbind 3 has become degraded.(1.3.6.1.4.1.232.0.15007)

8 Insight Management Agent: Cluster network contained in SNMP Varbind 3 has failed.(1.3.6.1.4.1.232.0.15008)

Insight Management Agent SNMP Trap Polices and Rules for HPSIM-Int-IMAgents_FwdCMCTraps (uses CPQCMC.MIB)

1 Insight Management Agent: Temperature in rack sensed by CMC temperature sensor 1 is NORMAL, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153001)

2 Insight Management Agent: Temperature in rack sensed by CMC temperature sensor 1 has exceeded High Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153001)

3 Insight Management Agent: Temperature in rack as sensed by CMC has exceeded Warning Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153001)

4 Insight Management Agent: Temperature in rack as sensed by CMC has gone below Minimum Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153001)

5 Insight Management Agent: Temperature in rack as sensed by CMC has exceeded High Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153002)

6 Insight Management Agent: Temperature in rack as sensed by CMC has exceeded Warning Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153002)

7 Insight Management Agent: Temperature in rack as sensed CMC has gone below Minimum Threshold, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153002)

8 Insight Management Agent: Status of Fan 1 in rack is Normal, status is ontained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153003)

9 Insight Management Agent: Status of Fan 1 in rack is AutoOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153003)

10 Insight Management Agent: Status of Fan 1 in rack is SmokeOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153003)

11 Insight Management Agent: Status of Fan 1 in rack is DoorOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153003)

12 Insight Management Agent: Status of Fan 2 in rack is AutoOn, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153004)

13 Insight Management Agent: Status of Fan 2 in rack is AutoOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153004)

14 Insight Management Agent: Status of Fan 2 in rack is SmokeOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153004)

15 Insight Management Agent: Status of Fan 2 in rack is DoorOff, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153004)

16 Insight Management Agent: Status of voltage-supply to CMC is Normal, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153005)

17 Insight Management Agent: Status of voltage-supply to CMC is OverMax, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153005)

18 Insight Management Agent: Status of voltage-supply to CMC is UnderMin, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153005)

19 Insight Management Agent: Status of humidity is Normal, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153006)

20 Insight Management Agent: Status of humidity is OverMax, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153006)

21 Insight Management Agent: Status of humidity is UnderMin, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153006)

22 Insight Management Agent: Status of door or sidepanel of the rack in access point 1 is opened,status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153007)

23 Insight Management Agent: Status of door or sidepanel of the rack in access point 1 is closed, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153007)

24 Insight Management Agent: Status of door or sidepanel of the rack in access point 2 is opened, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153008)

25 Insight Management Agent: Status of door or sidepanel of the rack in access point 2 is closed, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153008)

26 Insight Management Agent: Status of door or sidepanel of the rack in access point 3 is opened,status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153009)

27 Insight Management Agent: Status of door or sidepanel of the rack in access point 4 is opened,status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153010)

28 Insight Management Agent: Status of door or sidepanel of the rack in access point 4 is closed, status is contained in SNMP Varbind 5(.1.3.6.1.4.1.232.153.0.153010)

29 Insight Management Agent: Status of rack door locked by locking device 1 is Locked, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153011)

30 Insight Management Agent: Status of rack door locked by locking device 1 is Unlocked, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153011)

31 Insight Management Agent: Status of rack door locked by locking device 2 is Locked, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153012)

32 Insight Management Agent: Status of rack door locked by locking device 2 is Unlocked, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153012)

33 Insight Management Agent: Status of smoke presence in rack as detected by CMC is Normal, the status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153013)

34 Insight Management Agent: Status of smoke presence in rack as detected by CMC is Present, the status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153013)

35 Insight Management Agent: Status of shock or vibrations in rack as detected by CMC shock sensor is Normal, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153014)

36 Insight Management Agent: Status of shock or vibrations in rack as detected by CMC shock sensor is Present, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153014)

37 Insight Management Agent: Status of rack auxillary alarm input #1 as detected by CMC is Triggered,status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153015)

38 Insight Management Agent: Status of rack auxillary alarm input #1 as detected by CMC is ok, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153015)

39 Insight Management Agent: Status of rack auxiliary alarm input #1 as detected by CMC is triggered; status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153015)

40 Insight Management Agent: Status of rack auxiliary alarm input #1 as detected by CMC is ok, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153015)

41 Insight Management Agent: Status of rack auxillary alarm input #1 as detected by CMC is Triggered,status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153016)

42 Insight Management Agent: Status of rack auxillary alarm input #1 as detected by CMC is ok, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153016)

43 Insight Management Agent: NMS-alarm Status of Alarm1, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153017)

44 Insight Management Agent: NMS-alarm Status of Alarm2, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153018)

45 Insight Management Agent: The door locking device 1 needs Normal, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153019)

46 Insight Management Agent: The door locking device 1 needs attention, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153019)

47 Insight Management Agent: The door locking device 2 needs Normal, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153020)

48 Insight Management Agent: The door locking device 2 needs attention, status is contained in SNMP Varbind 5 (.1.3.6.1.4.1.232.153.0.153020)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdRaidControllerTraps (uses CPQCR.MIB)

1 Insight Management Agent: The primary controller in the subsystem has failed. (1.3.6.1.4.1.232.141.3.2.0.1)

2 Insight Management Agent: The primary controller in the subsystem has recovered. (1.3.6.1.4.1.232.141.3.2.0.2)

3 Insight Management Agent: The secondary controller in the subsystem has failed. (1.3.6.1.4.1.232.141.3.2.0.3)

4 Insight Management Agent: The secondary controller in the subsystem has recovered. (1.3.6.1.4.1.232.141.3.2.0.4)

5 Insight Management Agent: The RAIDset has failed and is off-line. (1.3.6.1.4.1.232.141.3.3.0.6)

6 Insight Management Agent: A RAID set has started the reconstruction process. (1.3.6.1.4.1.232.141.3.3.0.7)

7 Insight Management Agent: The RAIDset has become degraded. (1.3.6.1.4.1.232.141.3.3.0.8)

8 Insight Management Agent: A disk device has recovered. (1.3.6.1.4.1.232.141.3.5.0.10)

9 Insight Management Agent: A disk device has failed. (1.3.6.1.4.1.232.141.3.5.0.11)

10 Insight Management Agent: A disk device has recovered. (1.3.6.1.4.1.232.141.3.5.0.30)

11 Insight Management Agent: A disk device has failed. (1.3.6.1.4.1.232.141.3.5.0.31)

12 Insight Management Agent: One of the cooling fans in the primary enclosure has failed. (1.3.6.1.4.1.232.141.3.7.0.16)

13 Insight Management Agent: One of the cooling fans in the primary enclosure has recovered. (1.3.6.1.4.1.232.141.3.7.0.17)

14 Insight Management Agent: One of the power supplies in the primary enclosure has failed. (1.3.6.1.4.1.232.141.3.7.0.18)

15 Insight Management Agent: One of the power supplies in the primary enclosure has recovered. (1.3.6.1.4.1.232.141.3.7.0.19)

16 Insight Management Agent: The temperature in the primary enclosure has triggered a critical condition detected by the controller. (1.3.6.1.4.1.232.141.3.7.0.24)

17 Insight Management Agent: The temperature in the primary enclosure has returned to normal. (1.3.6.1.4.1.232.141.3.7.0.25)

18 Insight Management Agent: One of the cooling fans in the expansion cabinet has failed. (1.3.6.1.4.1.232.141.3.8.0.20)

19 Insight Management Agent: One of the cooling fans in the expansion cabinet has recovered. (1.3.6.1.4.1.232.141.3.8.0.21)

20 Insight Management Agent: One of the power supplies in the expansion cabinet has failed.(1.3.6.1.4.1.232.141.3.8.0.22)

21 Insight Management Agent: One of the power supplies in the expansion cabinet has recovered.(1.3.6.1.4.1.232.141.3.8.0.29)

22 Insight Management Agent: The temperature in the expansion cabinet has triggered a critical condition detected by the controller. (1.3.6.1.4.1.232.141.3.8.0.27)

23 Insight Management Agent: The temperature in the expansion cabinet has returned to normal. (1.3.6.1.4.1.232.141.3.8.0.28)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdDMITraps (uses CPQDMII.mib)

1 Insight Management Agent: DMI Informational Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4,SNMP Varbind 5) (1.3.6.1.4.1.232.0.150001)

2 Insight Management Agent: DMI Monitor Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4,SNMP Varbind 5) (1.3.6.1.4.1.232.0.150002)

3 Insight Management Agent: DMI OK Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4,SNMP Varbind 5) (.1.3.6.1.4.1.232.0.150003)

4 Insight Management Agent: DMI NonCritical Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4>,SNMP Varbind 5) (.1.3.6.1.4.1.232.0.150004)

5 Insight Management Agent: DMI Critical Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4,SNMP Varbind 5) (.1.3.6.1.4.1.232.0.150005)

6 Insight Management Agent: DMI NonRecoverable Indication occured on SNMP Varbind 2 of type SNMP Varbind 8 for (SNMP Varbind 4,SNMP Varbind 5) (.1.3.6.1.4.1.232.0.150006)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdSvrHealthTraps (uses CPQHLTH.MIB)

1 Insight Management Agent: A correctable memory error has occurred. (1.3.6.1.4.1.232.0.6001)

2 Insight Management Agent: Too many memory errors tracking now disabled.(1.3.6.1.4.1.232.0.6002)

3 Insight Management Agent: System will be shutdown due to this thermal condition.(1.3.6.1.4.1.232.0.6003)

4 Insight Management Agent: Temperature out of range. Shutdown may occur.(1.3.6.1.4.1.232.0.6004)

5 Insight Management Agent: Temperature has returned to normal range. (1.3.6.1.4.1.232.0.6005)

6 Insight Management Agent: Required fan not operating normally. Shutdown may occur.(1.3.6.1.4.1.232.0.6006)

7 Insight Management Agent: An optional fan is not operating normally. (1.3.6.1.4.1.232.0.6007)

8 Insight Management Agent: System fan has returned to normal operation. (1.3.6.1.4.1.232.0.6008)

9 Insight Management Agent: CPU fan has failed. Server will be shutdown. (1.3.6.1.4.1.232.0.6009)

10 Insight Management Agent: CPU fan is now OK. (1.3.6.1.4.1.232.0.6010)

11 Insight Management Agent: Server is operational again after ASR shutdown. (1.3.6.1.4.1.232.0.6011)

12 Insight Management Agent: Server is operational again after thermal shutdown.(1.3.6.1.4.1.232.0.6012)

13 Insight Management Agent: Errors occurred during server restart. (1.3.6.1.4.1.232.0.6013)

14 Insight Management Agent: The server power supply status has become degraded.(1.3.6.1.4.1.232.0.6014)

15 Insight Management Agent: A correctable memory error has occurred. (1.3.6.1.4.1.232.0.6015)

16 Insight Management Agent: Too many memory errors tracking now disabled. (1.3.6.1.4.1.232.0.6016)

17 Insight Management Agent: Error tracking is now enabled. (1.3.6.1.4.1.232.0.6016)

18 Insight Management Agent: System will be shutdown due to this thermal condition. (1.3.6.1.4.1.232.0.6017)

19 Insight Management Agent: Thermal condition has degraded. (1.3.6.1.4.1.232.0.6018)

20 Insight Management Agent: Temperature out of range. Shutdown may occur. (1.3.6.1.4.1.232.0.6018)

21 Insight Management Agent: Temperature has returned to normal range. (1.3.6.1.4.1.232.0.6019)

22 Insight Management Agent: Required fan not operating normally. (1.3.6.1.4.1.232.0.6020)

23 Insight Management Agent: System fan has failed. (1.3.6.1.4.1.232.0.6020)

24 Insight Management Agent: An optional fan is not operating normally. (1.3.6.1.4.1.232.0.6021)

25 Insight Management Agent: System fan has returned to normal operation. (1.3.6.1.4.1.232.0.6022)

26 Insight Management Agent: CPU fan has failed. Server will be shutdown. (1.3.6.1.4.1.232.0.6023)

27 Insight Management Agent: CPU fan is now OK. (1.3.6.1.4.1.232.0.6024)

28 Insight Management Agent: Server is operational again after ASR shutdown. (1.3.6.1.4.1.232.0.6025)

29 Insight Management Agent: Server is operational again after thermal shutdown. (1.3.6.1.4.1.232.0.6026)

30 Insight Management Agent: Errors occurred during server restart. (1.3.6.1.4.1.232.0.6027)

31 Insight Management Agent: The server power supply status has become degraded. (1.3.6.1.4.1.232.0.6028)

32 Insight Management Agent: Correctable memory errors require a replacement memory module.(1.3.6.1.4.1.232.0.6029)

33 Insight Management Agent: The Power Supply Degraded on Chassis contained in SNMP Varbind 3, Bay contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6030)

34 Insight Management Agent: The Power Supply Failed on Chassis contained in SNMP Varbind 3, Bay contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6031)

35 Insight Management Agent: The Power Supplies are no longer redundant on Chassis contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.6032)

36 Insight Management Agent: The Power Supply Inserted on Chassis contained in SNMP Varbind 3, Bay contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6033)

37 Insight Management Agent: The Power Supply Removed on Chassis contained in SNMP Varbind 3, Bay contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6034)

38 Insight Management Agent: The Fan Degraded on Chassis contained in SNMP Varbind 3, Fan contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6035)

39 Insight Management Agent: The Fan Failed on Chassis contained in SNMP Varbind 3, Fan contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6036)

40 Insight Management Agent: The Fans are no longer redundant on Chassis contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.6037)

41 Insight Management Agent: The Fan Inserted on Chassis contained in SNMP Varbind 3, Fan contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6038)

42 Insight Management Agent: The Fan Removed on Chassis contained in SNMP Varbind 3, Fan contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6039)

43 Insight Management Agent: Temperature Exceeded on Chassis contained in SNMP Varbind 3, Location contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6040)

44 Insight Management Agent: Temperature status has degraded on Chassis contained in SNMP Varbind 4, Location contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.6041)

45 Insight Management Agent: Temperature out of range on Chassis contained in SNMP Varbind 4, Location contained in SNMP Varbind 5. Shutdown may occur soon. (1.3.6.1.4.1.232.0.6041)

46 Insight Management Agent: Temperature Normal on Chassis contained in SNMP Varbind 3,Location contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.6042)

47 Insight Management Agent: Power Converter Degraded on Chassis in SNMP Varbind 3, Slot in SNMP Varbind 4, Socket in SNMP Varbind 5. (1.3.6.1.4.1.232.0.6043)

48 Insight Management Agent: Power Converter Failed on Chassis in SNMP Varbind 3, Slot in SNMP Varbind 4, Socket in SNMP Varbind 5. (1.3.6.1.4.1.232.0.6044)

49 Insight Management Agent: Power Converters are no longer redundant on Chassis contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.6045)

50 Insight Management Agent: Cache Accelerator errors may require a replacement module. (1.3.6.1.4.1.232.0.6046)

51 Insight Management Agent: The Resilient Memory subsystem has engaged the online spare memory. (1.3.6.1.4.1.232.0.6047)

52 Insight Management Agent: The Power Supply is OK on Chassis in SNMP Varbind 3 (1.3.6.1.4.1.232.0.6048)

53 Insight Management Agent: The Power Supply is degraded on Chassis in SNMP Varbind 3 (1.3.6.1.4.1.232.0.6049)

54 Insight Management Agent: The Power Supply is failed on Chassis in SNMP Varbind 3 (1.3.6.1.4.1.232.0.6050)

55 Insight Management Agent: Advanced Memory Protection Mirrored Memory Engaged (1.3.6.1.4.1.232.0.6051)

56 Insight Management Agent: Advanced Memory Protection Advanced ECC Memory Engaged (1.3.6.1.4.1.232.0.6052)

57 Insight Management Agent: Advanced Memory Protection XOR Engine Memory Engaged (1.3.6.1.4.1.232.0.6053)

58 Insight Management Agent: Fault Tolerant Power Supplies Power Redundancy Restored (1.3.6.1.4.1.232.0.6054)

59 Insight Management Agent: Fault Tolerant Fans Fan Redundancy Restored (1.3.6.1.4.1.232.0.6055)

60 Insight Management Agent: Correctable memory errors require a replacement memory module.(1.3.6.1.4.1.232.0.6056)

61 Insight Management Agent: Memory board or cartridge removed (1.3.6.1.4.1.232.0.6057)

62 Insight Management Agent: Memory board or cartridge inserted (1.3.6.1.4.1.232.0.6058)

63 Insight Management Agent : Memory board or cartridge bus error detected (1.3.6.1.4.1.232.0.6059)

64 Insight Management Agent: Too many memory errors tracking now disabled. (1.3.6.1.4.1.232.6.0.2)

65 The Management processor is in the process of being reset (1.3.6.1.4.1.232.0.6061)

66 Insight Management Agent: The Management processor is ready after a successfully reset (1.3.6.1.4.1.232.0.6062)

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt-IMAgents_FwdHostOSTraps (uses CPQHOST.MIB)

1 Insight Management Agent: Generic Trap received (1.3.6.1.4.1.232.0.11001)

2 Insight Management Agent: Application Error Trap (1.3.6.1.4.1.232.0.11002)

3 Insight Management Agent: Generic Trap Received (1.3.6.1.4.1.232.0.11003)

4 Insight Management Agent: Application Error Trap (1.3.6.1.4.1.232.0.11004)

5 Insight Management Agent: NIC Status is OK (1.3.6.1.4.1.232.0.11005)

6 Insight Management Agent: NIC Status is Failed (1.3.6.1.4.1.232.0.11006)

7 Insight Management Agent: NIC switchover occurred (1.3.6.1.4.1.232.0.11007)

8 Insight Management Agent: NIC Status is OK (1.3.6.1.4.1.232.0.11008)

9 Insight Management Agent: NIC Status is Failed (1.3.6.1.4.1.232.0.11009)

10 Insight Management Agent: NIC switchover (1.3.6.1.4.1.232.0.11010)

11 Insight Management Agent: Process monitor event trap received (1.3.6.1.4.1.232.0.11011)

12 Insight Management Agent: Process Count event trap received (1.3.6.1.4.1.232.0.11012)

13 Insight Management Agent: Process monitor event trap received (1.3.6.1.4.1.232.0.11013)

14 Insight Management Agent: Critical software update trap received (1.3.6.1.4.1.232.0.11014)

15 Insight Management Agent: Crash Dump is not enabled (1.3.6.1.4.1.232.0.11015)

16 Insight Management Agent: The paging file size of the boot volume (%s) or the target volume of the memory dump file is not large enough to hold a crash dump in the event of a system crash (1.3.6.1.4.1.232.0.11016

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt-IMAgents_FwdICATraps (uses CPQICA.MIB))

1 Insight Management Agent: Intelligent Cluster Administrator added an object to the cluster. (1.3.6.1.4.1.232.0.140001)

2 Insight Management Agent: Intelligent Cluster Administrator has deleted an object in the cluster. (1.3.6.1.4.1.232.0.140002)

3 Insight Management Agent: Intelligent Cluster Administrator has performed one or more property changes on the cluster. (1.3.6.1.4.1.232.0.140003)

4 Insight Management Agent: Intelligent Cluster Administrator has performed a move action on the cluster. (1.3.6.1.4.1.232.0.140004)

5 Insight Management Agent: Intelligent Cluster Administrator is starting an import operation on the cluster. (1.3.6.1.4.1.232.0.140005)

6 Insight Management Agent: Intelligent Cluster Administrator has finished an import operation on the cluster. (1.3.6.1.4.1.232.0.140006)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdDriveArrayTraps (uses CPQIDA.MIB)

1. Insight Management Agent: Intelligent DriveArray Logical Drive status is NORMAL, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
2. Insight Management Agent: Intelligent DriveArray Logical Drive status is FAILED, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
3. Insight Management Agent: Intelligent Drive Array Logical Drive status is RECOVERING, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
4. Insight Management Agent: Intelligent Drive Array Logical Drive status is READY for REBUILD, contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3001)
5. Insight Management Agent: Intelligent Drive Array Logical Drive status is REBUILDING, contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3001)
6. Insight Management Agent:Intelligent Drive Array Logical Drive status is WRONG DRIVE, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
7. Insight Management Agent: Intelligent Drive Array Logical Drive status is BAD CONNECTION, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
8. Insight Management Agent: Intelligent Drive Array Logical Drive status is OVERHEATING, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
9. Insight Management Agent: Intelligent Drive Array Logical Drive status is SHUTDOWN, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
10. Insight Management Agent: Intelligent Drive Array Logical Drive status is UNAVAILABLE, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3001)
11. Insight Management Agent: Intelligent Drive Array Spare Drive status is ACTIVE, status is contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3002)
12. Insight Management Agent: Intelligent Drive Array Spare Drive status is FAILED, status is contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3002)
13. Insight Management Agent: Intelligent Drive Array Spare Drive status is BUILDING, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3002)

14 Insight Management Agent: Intelligent Drive Array Physical Drive status is OK, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3003)

15 Insight Management Agent: Intelligent Drive Array Physical Drive status is FAILED, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3003)

16 Insight Management Agent: Intelligent Drive Array Physical Drive status is PREDICTIVEFAILURE, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3003)

17 Insight Management Agent: Intelligent Drive Array Physical Drive threshold passed, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3004)

18 Insight Management Agent: Intelligent Drive Array Accelerator Board status is TEMPORARILY DISABLED, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3005)

19 Insight Management Agent: Intelligent Drive Array Accelerator Board status is PERMANENTLY DISABLED, contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3005)

20 Insight Management Agent: Intelligent Drive Array Accelerator lost battery power. Data Loss possible. (1.3.6.1.4.1.232.0.3006)

21 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is OK. Status is contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3007)

22 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is failed. Status is contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3007)

23 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is degraded.Status is contained in SNMP Varbind 1 (1.3.6.1.4.1.232.0.3007)

24 Insight Management Agent: Intelligent DriveArray Logical Drive status is NORMAL, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

25 Insight Management Agent: Intelligent DriveArray Logical Drive status is FAILED, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

26 Insight Management Agent: Intelligent Drive Array Logical Drive status is RECOVERING, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

27 Insight Management Agent: Intelligent Drive Array Logical Drive status is READY for REBUILD, contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3008)

28 Insight Management Agent: Intelligent Drive Array Logical Drive status is REBUILDING, contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3008)

29 Insight Management Agent:Intelligent Drive Array Logical Drive status is WRONG DRIVE, contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3008)

30 Insight Management Agent: Intelligent Drive Array Logical Drive status is BAD CONNECTION, contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3008)

31 Insight Management Agent: Intelligent Drive Array Logical Drive status is OVERHEATING, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

32 Insight Management Agent: Intelligent Drive Array Logical Drive status is SHUTDOWN, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

33 Insight Management Agent: Intelligent Drive Array Logical Drive status is UNAVAILABLE, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3008)

34 Insight Management Agent: Intelligent Drive Array Spare Drive status is ACTIVE, status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3009)

35 Insight Management Agent: Intelligent Drive Array Spare Drive status is FAILED, status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3009)

36 Insight Management Agent: Intelligent Drive Array Spare Drive status is BUILDING, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3009)

37 Insight Management Agent: Intelligent Drive Array Physical Drive status is OK, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3010)

38 Insight Management Agent: Intelligent Drive Array Physical Drive status is FAILED, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3010)

39 Insight Management Agent: Intelligent Drive Array Physical Drive status is PREDICTIVEFAILURE, status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3010)

40 Insight Management Agent: Intelligent Drive Array Physical Drive threshold passed, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3011)

41 Insight Management Agent: Intelligent Drive Array Accelerator Board status is TEMPORARILY DISABLED, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3012)

42 Insight Management Agent: Intelligent Drive Array Accelerator Board status is PERMANENTLY DISABLED, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3012)

43 Insight Management Agent: Intelligent Drive Array Accelerator lost battery power. Data Loss possible. (1.3.6.1.4.1.232.0.3013)

44 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is OK. Status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3014)

45 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is failed. Status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3014)

46 Insight Management Agent: Intelligent Drive Array Accelerator Board Battery status is degraded. Status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3014)

47 Insight Management Agent: Intelligent Drive Array Controller status is FAILED, status is contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.3015)

48 Insight Management Agent: Intelligent Drive Array Controller has cable problem, status is contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.3015)

49 Insight Management Agent: Intelligent Drive Array Controller is powered off, status is contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.3015)

50 Insight Management Agent: Intelligent Drive Array Spare Drive status is ACTIVE, status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3017)

51 Insight Management Agent: Intelligent Drive Array Spare Drive status is FAILED, status is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.0.3017)

52 Insight Management Agent: Intelligent Drive Array Spare Drive status is BUILDING, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.3017)

53 Insight Management Agent: Intelligent Drive Array Physical Drive status is OK, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3018)

54 Insight Management Agent: Intelligent Drive Array Physical Drive status is FAILED, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3018)

55 Insight Management Agent: Intelligent Drive Array Physical Drive status is PREDICTIVEFAILURE, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3018)

56 Insight Management Agent: Intelligent Drive Array Physical Drive threshold passed (1.3.6.1.4.1.232.0.3019)

57 Insight Management Agent: Intelligent Drive ArrayTape Library status is OK, status is contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.3020)

58 Insight Management Agent: Intelligent Drive ArrayTape Library status is FAILED, status is contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.3020)

59 Insight Management Agent: Intelligent Drive ArrayTape Library status is DEGRADED, status is contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.3020)

60 Insight Management Agent: Intelligent Drive Array Tape Library Door Status is OPEN, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3021)

61 Insight Management Agent: Intelligent Drive Array Tape Drive Status is DEGRADED, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3022)

62 Insight Management Agent: Intelligent Drive Array Tape Drive Status is FAILED, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3022)

63 Insight Management Agent: Intelligent Drive Array Tape Drive Status is OFFLINE, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3022)

64 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OK, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3022)

65 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OFFLINE, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3022)

66 Insight Management Agent: Intelligent Drive Array Tape Drive cleaning is required. (1.3.6.1.4.1.232.0.3023)

67 Insight Management Agent: Cleaning tape needs replacing (1.3.6.1.4.1.232.0.3024)

68 Insight Management Agent: Intelligent Drive Array Accelerator Board status is TEMPORARILY DISABLED, status is contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.3025)

69 Insight Management Agent: Intelligent Drive Array Accelerator Board status is PERMANENTLY DISABLED, status is contained in SNMP Varbind 7. (1.3.6.1.4.1.232.0.3025)

70 Insight Management Agent: Intelligent Drive Array Accelerator lost battery power. Data Loss possible. (1.3.6.1.4.1.232.0.3026)

71 Insight Management Agent: Intelligent Drive Array Accelerator battery failed (1.3.6.1.4.1.232.0.3027)

72 Insight Management Agent: Intelligent Drive Array Controller Board has failed, status is contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.3028)

73 Insight Management Agent: Intelligent Drive Array Controller Board has cable problem, status is contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.3028)

74 Insight Management Agent: Intelligent Drive Array Controller Board is POWER OFF, status is contained in SNMP Varbind 4 . (1.2.6.1.4.1.232.0.3028)

75 Insight Management Agent: Intelligent Drive Array Physical Drive status is OK, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3029)

76 Insight Management Agent: Intelligent Drive Array Physical Drive status is FAILED, contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3029)

77 Insight Management Agent: Intelligent Drive Array Physical Drive status is PREDICTIVEFAILURE, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.3029)

78 Insight Management Agent: Intelligent Drive Array Physical Drive threshold passed (1.3.6.1.4.1.232.0.3030)

79 Insight Management Agent: Intelligent Drive ArrayTape Library status is FAILED, status is contained in SNMP Varbind 7 for the tape library. (1.3.6.1.4.1.232.0.3031)

80 Insight Management Agent: Intelligent Drive ArrayTape Library status is OK, status is contained in SNMP Varbind 10 for the tape library. (1.3.6.1.4.1.232.0.3031)

81 Insight Management Agent: Intelligent Drive ArrayTape Library status is DEGRADED, status is contained in SNMP Varbind 10 for the tape library. (1.3.6.1.4.1.232.0.3031)

82 Insight Management Agent: Intelligent Drive Array Logical Drive status is EXPANDING, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3034)

83 Insight Management Agent: Intelligent Drive Array Tape Drive Status is DEGRADED, status is contained in SNMP Varbind 7 (1.3.6.1.4.1.232.0.3032)

84 Insight Management Agent: Intelligent Drive Array Tape Drive Status is FAILED, status is contained in SNMP Varbind 10 (1.3.6.1.4.1.232.0.3032)

85 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OK, status is contained in SNMP Varbind 10 (1.3.6.1.4.1.232.0.3032)

86 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OFFLINE, status is contained in SNMP Varbind 10 (1.3.6.1.4.1.232.0.3032)

87 Insight Management Agent: Intelligent Drive Array Controller status is GENERAL FAILURE, status is contained in SNMP Varbind 5 (1.3.6.1.4.1.232.0.3033)

88 Insight Management Agent: Intelligent Drive Array Controller has a CABLE PROBLEM, status is contained in SNMP Varbind 5 (1.3.6.1.4.1.232.0.3033)

89 Insight Management Agent: Intelligent Drive Array Controller is POWERED OFF, status is contained in SNMP Varbind 5 (1.3.6.1.4.1.232.0.3033)

90 Insight Management Agent: Intelligent Drive Array Controller is OK, status is contained in SNMP Varbind 5 (1.3.6.1.4.1.232.0.3033)

91 Insight Management Agent: Intelligent DriveArray Logical Drive status is FAILED, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3034)

92 Insight Management Agent: Intelligent Drive Array Logical Drive status is RECOVERING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3034)

93 Insight Management Agent: Intelligent Drive Array Logical Drive status is READY for REBUILD,contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3034)

94 Insight Management Agent: Intelligent Drive Array Logical Drive status is REBUILDING, contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3034)

95 Insight Management Agent:Intelligent Drive Array Logical Drive status is WRONG DRIVE, contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3034)

96 Insight Management Agent: Intelligent Drive Array Logical Drive status is BAD CONNECTION, contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3034)

97 Insight Management Agent: Intelligent Drive Array Logical Drive status is OVERHEATING, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3034)

98 Insight Management Agent: Intelligent Drive Array Logical Drive status is SHUTDOWN, contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3034)

99 Insight Management Agent: Intelligent Drive Array Accelerator Board status is TEMPORARILY DISABLED, status is contained in SNMP Varbind 8 (1.3.6.1.4.1.232.0.3038)

100 Insight Management Agent: Intelligent Drive Array Spare Drive status is ACTIVE, status is contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3035)

101 Insight Management Agent: Intelligent Drive Array Spare Drive status is FAILED, status is contained in SNMP Varbind 6 (1.3.6.1.4.1.232.0.3035)

102 Insight Management Agent: Intelligent Drive Array Spare Drive status is BUILDING, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.3035)

103 Insight Management Agent: Intelligent Drive Array Physical Drive status is OK, contained in SNMP Varbind 12. (1.3.6.1.4.1.232.0.3036)

104 Insight Management Agent: Intelligent Drive Array Physical Drive status is FAILED, contained in SNMP Varbind 12. (1.3.6.1.4.1.232.0.3036)

105 Insight Management Agent: Intelligent Drive Array Physical Drive status is PREDICTIVEFAILURE, status is contained in SNMP Varbind 12. (1.3.6.1.4.1.232.0.3036)

106 Insight Management Agent: Intelligent Drive Array Physical Drive threshold passed, the physical drive index is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.3037)

107 Insight Management Agent: Intelligent Drive Array Accelerator Board status is PERMANENTLY DISABLED, contained in SNMP Varbind 8. (1.3.6.1.4.1.232.0.3038)

108 Insight Management Agent: Intelligent Drive Array Accelerator Board status is TEMPORARILY DISABLED, status is contained in SNMP Varbind 8 (1.3.6.1.4.1.232.0.3038)

109 Insight Management Agent: Intelligent Drive ArrayTape Library status is OK, status is contained in SNMP Varbind 11 for the tape library. (1.3.6.1.4.1.232.0.3041)

110 Insight Management Agent: Intelligent Drive ArrayTape Library status is DEGRADED, status is contained in SNMP Varbind 11 for the tape library. (1.3.6.1.4.1.232.0.3041)

111 Insight Management Agent: Spare Status has changed. (1.3.6.1.4.1.232.0.3047)

112 Insight Management Agent: Intelligent Drive Array Tape Library Door Status is OPEN, status is contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.3042)

113 Insight Management Agent: Intelligent Drive Array Tape Drive status is DEGRADED, status is contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.3043)

114 Insight Management Agent: Intelligent Drive Array Tape Drive Status is FAILED, status is contained in SNMP Varbind 11 (1 .3.6.1.4.1.232.0.3043)

115 Insight Management Agent: Intelligent Drive Array Tape Drive Status is OFFLINE, status is contained in SNMP Varbind 11(1.3.6.1.4.1.232.0.3043)

116 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OK, status is contained in SNMP Varbind 11(1.3.6.1.4.1.232.0.3043)

117 Insight Management Agent: Intelligent Drive Array Tape Drive Status is MISSING WAS OFFLINE, status is contained in SNMP Varbind 11 (1.3.6.1.4.1.232.0.3043)

118 Insight Management Agent: Intelligent Drive Array Tape Drive cleaning is required. (1.3.6.1.4.1.232.0.3044)

119 Insight Management Agent: Cleaning tape needs replacing (1.3.6.1.4.1.232.0.3045)

120 Insight Management Agent: Physical Drive Status has changed (1.3.6.1.4.1.232.0.3046)

121 Insight Management Agent: Spare Status has changed (1.3.6.1.4.1.232.0.3047)

Insight Management Agent SNMP Trap templates and Rulesfor HPSI-MInt-IMAgents_FwdIDEDriveTraps (uses CPQIDE.MIB)

1 Insight Management Agent: IDE drive contained in SNMP Varbind 3 has become degraded.(1.3.6.1.4.1.232.0.14001)

2 Insight Management Agent: IDE drive contained in SNMP Varbind 3 has returned to normal operating condition. (1.3.6.1.4.1.232.0.14002)

3 Insight Management Agent: IDE drive contained in SNMP Varbind 3 has detected Ultra ATA errors. (1.3.6.1.4.1.232.0.14003)

4 Insight Management Agent: Status of an ATA disk has changed to NORMAL, status is contained in SNMP Varbind 8. (1.3.6.1.4.1.232.0.14004)

5 Insight Management Agent: Status of an ATA disk has changed to SMART ERROR, status is contained in SNMP Varbind 8. (1.3.6.1.4.1.232.0.14004)

6 Insight Management Agent: Status of an ATA disk has changed to FAILED, status is contained in SNMP Varbind 8. (1.3.6.1.4.1.232.0.14004)

7 Insight Management Agent: Status of an IDE logical drive has changed to NORMAL, status is contained in SNMP Varbind 7 for the IDE logical drive. (1.3.6.1.4.1.232.0.14005)

8 Insight Management Agent: Status of an IDE logical drive has changed to DEGRADED, status is contained in SNMP Varbind 7 for the IDE logical drive. (1.3.6.1.4.1.232.0.14005)

9 Insight Management Agent: Status of an IDE logical drive has changed to REBUILDING, status is contained in SNMP Varbind 7 for the IDE logical drive. (1.3.6.1.4.1.232.0.14005)

10 Insight Management Agent: Status of an IDE logical drive has changed to FAILED, status is contained in SNMP Varbind 7 for the IDE logical drive. (1.3.6.1.4.1.232.0.14005)

Insight Management Agent SNMP Trap templates and Rules for

HPSIMInt-IMAgents_FwdNICTraps (uses CPQNIC.MIB)

1. Insight Management Agent: Connectivity is restored for logical adapter in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18001)
2. Insight Management Agent: Connectivity lost for logical adapter in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18002)
3. Insight Management Agent: Physical adapter connection restored in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18003)
4. Insight Management Agent: Physical adapter connection failed in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18004)
5. Insight Management Agent: Connectivity is restored for logical adapter in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18005)
6. Insight Management Agent: Connectivity lost for logical adapter in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18006)
7. Insight Management Agent: Physical adapter connection restored in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18007)
8. Insight Management Agent: Physical adapter connection failed in slot contained in SNMP Varbind 3, port contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.18008)
9. Insight Management Agent: The Virus Throttle Filter Driver has detected a Virus Activity. (1.3.6.1.4.1.232.0.18009)
10. Insight Management Agent: Virus Throttle Filter Driver no longer detects Virus like activity. (1.3.6.1.4.1.232.0.16010

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdRackTraps (uses CPQRACK.MIB)

1. Insight Management Agent: The rack name has changed to value contained in SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22001)

2 Insight Management Agent: The enclosure name has changed to SNMP Varbind 5 in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22002)

3 Insight Management Agent: The enclosure in SNMP Varbind 5 has been removed from rack SNMP Varbind 3. (.1.3.6.1.4.1.232.0.22003)

4 Insight Management Agent: The enclosure in SNMP Varbind 5 has been inserted into rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22004)

5 Insight Management Agent: The enclosure in SNMP Varbind 5 temperature sensor in rack SNMP Varbind 3 has been set to failed. (.1.3.6.1.4.1.232.0.22005)

6 Insight Management Agent: The enclosure in SNMP Varbind 5 temperature sensor in rack SNMP Varbind 3 has been set to degraded. (.1.3.6.1.4.1.232.0.22006)

7 Insight Management Agent: The enclosure in SNMP Varbind 5 temperature sensor in rack SNMP Varbind 3 has been set to ok. (.1.3.6.1.4.1.232.0.22007)

8 Insight Management Agent: The enclosure in SNMP Varbind 5 fan in rack SNMP Varbind 3 has been set to failed. (.1.3.6.1.4.1.232.0.22008)

9 Insight Management Agent: The enclosure in SNMP Varbind 5 fan in rack SNMP Varbind 3 has been set to degraded. (.1.3.6.1.4.1.232.0.22009)

10 Insight Management Agent: The enclosure in SNMP Varbind 5 fan in rack SNMP Varbind 3 has been set to ok. (.1.3.6.1.4.1.232.0.22010)

11 Insight Management Agent: The enclosure in SNMP Varbind 5 fan in rack SNMP Varbind 3 has been removed (.1.3.6.1.4.1.232.0.22011)

12 Insight Management Agent: The enclosure in SNMP Varbind 5 fan in rack SNMP Varbind 3 has been inserted (.1.3.6.1.4.1.232.0.22012)

13 Insight Management Agent: The power supply in SNMP Varbind 7 in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 has been set to failed. (.1.3.6.1.4.1.232.0.22013)

14 Insight Management Agent: The power supply in SNMP Varbind 7 in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 has been set to degraded. (.1.3.6.1.4.1.232.0.22014)

15 Insight Management Agent: The power supply in SNMP Varbind 7 in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 has been set to ok. (.1.3.6.1.4.1.232.0.22015)

16 Insight Management Agent: The power supply in SNMP Varbind 7 in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 has been removed (.1.3.6.1.4.1.232.0.22016)

17 Insight Management Agent: The power supply in SNMP Varbind 7 in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 has been inserted (.1.3.6.1.4.1.232.0.22017)

18 Insight Management Agent: The power subsystem in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 is no longer redundant (.1.3.6.1.4.1.232.0.22018)

19 Insight Management Agent: The rack power supply detected an input line voltage problem in power supply SNMP Varbind 6, enclosure in SNMP Varbind 5, rack in SNMP Varbind 3.(.1.3.6.1.4.1.232.0.22019)

20 Insight Management Agent: The power subsystem in enclosure SNMP Varbind 5 in rack SNMP Varbind 3 is in an overload condition (.1.3.6.1.4.1.232.0.22020)

21 Insight Management Agent: The server shutdown due to lack of power blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22021)

22 Insight Management Agent: Server power on prevented to preserve redundancy in blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3. (.1.3.6.1.4.1.232.0.22022)

23 Insight Management Agent: Inadequate power to power on blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22023)

24 Insight Management Agent: Inadequate power to power on blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22024)

25 Insight Management Agent: Inadequate power to power on blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22025)

26 Insight Management Agent: Server power on via manual override on blade SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22026)

27 InsightManagement Agent: Fuse open fuse SNMP Varbind 6, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22027)

28 Insight Management Agent: Server blade in SNMP Varbind 6 removed from position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22028)

29 Insight Management Agent: Server blade in SNMP Varbind 6 inserted from position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22029)

30 Insight Management Agent: Power subsystem not load balanced in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22030)

31 Insight Management Agent: Power subsystem DC power problem in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22031)

32 Insight Management Agent: Power subsystem AC facility input power exceeded in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22032)

33 Insight Management Agent: Unknown power consumption in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22033)

34 Insight Management Agent: Power subsystem load balancing wire missing for enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22034)

35 Insight Management Agent: Power subsystem has too may power enclosures SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22035)

36 Insight Management Agent: Power subsystem has been improperly configured in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22036)

37 Insight Management Traps: The Onboard Administrator status has been set to degraded. (.1.3.6.1.4.1.232.0.22037)

38 Insight Management Traps: The Onboard Administrator status has been set to OK (.1.3.6.1.4.1.232.0.22038)

39 Insight Management Traps: The Onboard Administrator has been removed (.1.3.6.1.4.1.232.0.22039)

40 Insight Management Traps: A server blade e-keying has failed and there is a port mapping problem between a server mezz card and the interconnect, in Blade SNMP Varbind 6, in position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22042)

41 Insight Management Traps: Server blade e-keying has returned to normal operation, in Blade SNMP Varbind 6, in position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22043)

42 Insight Management Traps: The interconnect has been removed from the enclosure, in interconnect SNMP Varbind 6, in position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22044)

43 Insight Management Traps: The interconnect status has been set to failed, in interconnect SNMP Varbind 6, in position SNMP Varbind 7, in enclosure SNMP Varbind 5, in rack SNMP Varbind 3 (.1.3.6.1.4.1.232.0.22046)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdRecoverySvrTraps (uses CPQRECOV.MIB)

1 Insight Management Agent: Partner server has failed and the server sending the trap has taken over operations. (1.3.6.1.4.1.232.0.13001)

2 Insight Management Agent: Standby Recovery Server reports the local serial interconnect has failed. (1.3.6.1.4.1.232.0.13002)

3 Insight Management Agent: Recovery Server reports the standby server has failed. (1.3.6.1.4.1.232.0.13003)

4 Insight Management Agent: OnLine Recovery Server reports the local serial interconnect has failed. (1.3.6.1.4.1.232.0.13004)

5 Insight Management Agent: OnLine Recovery Server reports the failover attempt has failed. (1.3.6.1.4.1.232.0.13005)

Insight Management Agent SNMP Trap Templates and Rules for

HPSIMInt-IMAgents_Fwd SANTraps

1. Insight Management Agent: Failure event detected element in SNMP Varbind 2 of Type SNMP Varbind 3 sent notification SNMP Varbind 4 SNMP Varbind 5. (.1.3.6.1.4.1.232.151.11.0.1)
2. Insight Management Agent: Warning event detected element in SNMP Varbind 2 of Type SNMP Varbind 3 sent notification SNMP Varbind 4 SNMP Varbind 5. (.1.3.6.1.4.1.232.151.11.0.2)
3. Insight Management Agent: Information event detected element in SNMP Varbind 2 of Type SNMP Varbind 3 sent notification SNMP Varbind 4 SNMP Varbind 5. (.1.3.6.1.4.1.232.151.11.0.4)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdSCSIDevicesTraps (uses CPQSCSI.MIB)

1. Insight Management Agent: Status of a SCSI Controller is NORMAL. (1.3.6.1.4.1.232.5.0.1)
2. Insight Management Agent: Status of a SCSI Controller is FAILED. (1.3.6.1.4.1.232.5.0.1)
3. Insight Management Agent: Status of a SCSI Logical Drive is NORMAL (1.3.6.1.4.1.232.5.0.2)
4. Insight Management Agent: Status of a SCSI Logical Drive is FAILED (1.3.6.1.4.1.232.5.0.2)
5. Insight Management Agent: Status of a SCSI Logical Drive is RECOVERING (1.3.6.1.4.1.232.5.0.2)
6. Insight Management Agent: A wrong SCSI Logical Drive has been REPLACED (1.3.6.1.4.1.232.5.0.2)
7. Insight Management Agent: Status of a SCSI Logical Drive is BADCONNECT (1.3.6.1.4.1.232.5.0.2)
8. Insight Management Agent: Status of a SCSI Logical Drive is DEGRADED (1.3.6.1.4.1.232.5.0.2)
9. Insight Management Agent: Status of a SCSI physical drive is NORMAL (1.3.6.1.4.1.232.5.0.3)
10. Insight Management Agent: Status of a SCSI physical drive is FAILED (1.3.6.1.4.1.232.5.0.3)

11 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OK (1.3.6.1.4.1.232.5.0.3)

12 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS FAILED (1.3.6.1.4.1.232.5.0.3)

13 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.5.0.3)

14 Insight Management Agent: Status of a SCSI physical drive is BADCABLE (1.3.6.1.4.1.232.5.0.3)

15 Insight Management Agent: Status of a SCSI physical drive is PREDICTIVE FAILURE (1.3.6.1.4.1.232.5.0.3)

16 Insight Management Agent: Status of a SCSI physical drive is OFFLNE (1.3.6.1.4.1.232.5.0.3)

17 Insight Management Agent: SCSI Controller Status is NORMAL. (1.3.6.1.4.1.232.0.5001)

18 Insight Management Agent: SCSI Controller Status is FAILED. (1.3.6.1.4.1.232.0.5001)

19 Insight Management Agent: Status of a SCSI Logical Drive is NORMAL (1.3.6.1.4.1.232.0.5002)

20 Insight Management Agent: Status of a SCSI Logical Drive is FAILED (1.3.6.1.4.1.232.0.5002)

21 Insight Management Agent: Status of a SCSI Logical Drive is RECOVERING (1.3.6.1.4.1.232.0.5002)

22 Insight Management Agent: A wrong SCSI Logical Drive has been REPLACED (1.3.6.1.4.1.232.0.5002)

23 Insight Management Agent: Status of a SCSI Logical Drive is BADCONNECT (1.3.6.1.4.1.232.0.5002)

24 Insight Management Agent: Status of a SCSI physical drive is NORMAL (1.3.6.1.4.1.232.0.5003)

25 Insight Management Agent: Status of a SCSI physical drive is FAILED (1.3.6.1.4.1.232.0.5003)

26 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5003)

27 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5003)

28 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.0.5003)

29 Insight Management Agent: Status of a SCSI physical drive is BADCABLE (1.3.6.1.4.1.232.0.5003)

30 Insight Management Agent: Status of a SCSI physical drive is PREDICTIVE FAILURE (1.3.6.1.4.1.232.0.5003)

31 Insight Management Agent: Status of a SCSI physical drive is OFFLNE (1.3.6.1.4.1.232.0.5003)

32 Insight Management Agent: Status of SCSI Tape Drive is NORMAL (1.3.6.1.4.1.232.0.5004)

33 Insight Management Agent: Status of SCSI Tape Drive is DEGRADED (1.3.6.1.4.1.232.0.5004)

34 Insight Management Agent: Status of SCSI Tape Drive is FAILED (1.3.6.1.4.1.232.0.5004)

35 Insight Management Agent: SCSI Controller Status is NORMAL. (1.3.6.1.4.1.232.0.5005)

36 Insight Management Agent: SCSI Controller Status is FAILED. (1.3.6.1.4.1.232.0.5005)

37 Insight Management Agent: Status of a SCSI physical drive is NORMAL (1.3.6.1.4.1.232.0.5006)

38 Insight Management Agent: Status of a SCSI physical drive is FAILED (1.3.6.1.4.1.232.0.5006)

39 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5006)

40 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5006)

41 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.0.5006)

42 Insight Management Agent: Status of a SCSI physical drive is BADCABLE (1.3.6.1.4.1.232.0.5006)

43 Insight Management Agent: Status of a SCSI physical drive is PREDICTIVE FAILURE (1.3.6.1.4.1.232.0.5006)

44 Insight Management Agent: Status of a SCSI physical drive is OFFLNE (1.3.6.1.4.1.232.0.5006)

45 Insight Management Agent: Status of SCSI Tape Drive is NORMAL (1.3.6.1.4.1.232.0.5007)

46 Insight Management Agent: Status of SCSI Tape Drive is DEGRADED (1.3.6.1.4.1.232.0.5007)

47 Insight Management Agent: Status of SCSI Tape Drive is FAILED (1.3.6.1.4.1.232.0.5007)

48 Insight Management Agent: A SCSI Tape Drive requires cleaning (1.3.6.1.4.1.232.0.5008)

49 Insight Management Agent: Cleaning tape used on an attached tape drive needs to be replaced. (1.3.6.1.4.1.232.0.5009)

50 Insight Management Agent: A Tape Library is not operational(1.3.6.1.4.1.232.0.5010)

51 Insight Management Agent: Tape library error has been resolved. (1.3.6.1.4.1.232.0.5011)

52 Insight Management Agent: Tape Library status has degraded (1.3.6.1.4.1.232.0.5012)

53 Insight Management Agent: Tape Library door was left open. (1.3.6.1.4.1.232.0.5013)

54 Insight Management Agent: Tape Library door is now closed. (1.3.6.1.4.1.232.0.5014)

55 Insight Management Agent: DVD library status is OK. (1.3.6.1.4.1.232.0.5015)

56 Insight Management Agent: DVD library status is DEGRADED. (1.3.6.1.4.1.232.0.5015)

57 Insight Management Agent: DVD library status is FAILED. (1.3.6.1.4.1.232.0.5015)

58 Insight Management Agent: Status of SCSI Tape Physical Drive is NORMAL (1.3.6.1.4.1.232.0.5016)

59 Insight Management Agent: Status of SCSI Tape Physical Drive is FAILED (1.3.6.1.4.1.232.0.5016)

60 Insight Management Agent: Status of SCSI Tape Physical Drive is OFFLINE (1.3.6.1.4.1.232.0.5016)

61 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5016)

62 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5016)

63 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.0.5016)

64 Insight Management Agent: Status of a SCSI physical drive is NORMAL (1.3.6.1.4.1.232.0.5017)

65 Insight Management Agent: Status of a SCSI physical drive is FAILED (1.3.6.1.4.1.232.0.5017)

66 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5017)

67 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5017)

68 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.0.5017)

69 Insight Management Agent: Status of a SCSI physical drive is BADCABLE (1.3.6.1.4.1.232.0.5017)

70 Insight Management Agent: Status of a SCSI physical drive is PREDICTIVE FAILURE (1.3.6.1.4.1.232.0.5017)

71 Insight Management Agent: Status of a SCSI physical drive is OFFLNE (1.3.6.1.4.1.232.0.5017)

72 Insight Management Agent: Status of SCSI Tape Library is NORMAL (1.3.6.1.4.1.232.0.5018)

73 Insight Management Agent: Status of SCSI Tape Library is DEGRADED (1.3.6.1.4.1.232.0.5018)

74 Insight Management Agent: Status of SCSI Tape Library is FAILED (1.3.6.1.4.1.232.0.5018)

75 Insight Management Agent: Status of SCSI Tape Library is OFFLINE (1.3.6.1.4.1.232.0.5018)

76 Insight Management Agent: Status of SCSI Tape Physical Drive is NORMAL (1.3.6.1.4.1.232.0.5019)

77 Insight Management Agent: Status of SCSI Tape Physical Drive is FAILED (1.3.6.1.4.1.232.0.5019)

78 Insight Management Agent: Status of SCSI Tape Physical Drive is OFFLINE (1.3.6.1.4.1.232.0.5019)

79 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5019)

80 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5019)

81 Insight Management Agent: Status of SCSI Tape Physical Drive is MISSING WAS OFFLINE(1.3.6.1.4.1.232.0.5019)

82 Insight Management Agent: Status of a SCSI physical drive is NORMAL (1.3.6.1.4.1.232.0.5020)

83 Insight Management Agent: Status of a SCSI physical drive is FAILED (1.3.6.1.4.1.232.0.5020)

84 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OK (1.3.6.1.4.1.232.0.5020)

85 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS FAILED (1.3.6.1.4.1.232.0.5020)

86 Insight Management Agent: Status of a SCSI physical drive is MISSING WAS OFFLINE (1.3.6.1.4.1.232.0.5020)

87 Insight Management Agent: Status of a SCSI physical drive is BADCABLE (1.3.6.1.4.1.232.0.5020)

88 Insight Management Agent: Status of a SCSI physical drive is PREDICTIVE FAILURE (1.3.6.1.4.1.232.0.5020)

89 Insight Management Agent: Status of a SCSI physical drive is OFFLNE (1.3.6.1.4.1.232.0.5020)

90 Insight Management Agent: Status of SCSI logical drive is NORMAL (1.3.6.1.4.1.232.0.5021)

91 Insight Management Agent: Status of SCSI logical drive is FAILED (1.3.6.1.4.1.232.0.5021)

92 Insight Management Agent: Status of SCSI logical drive is UNCONFIGURED (1.3.6.1.4.1.232.0.5021)

93 Insight Management Agent: Status of SCSI logical drive is RECOVERING (1.3.6.1.4.1.232.0.5021)

94 Insight Management Agent: Status of SCSI logical drive is READYREBUILD (1.3.6.1.4.1.232.0.5021)

95 Insight Management Agent: Status of SCSI logical drive is REBUILDING (1.3.6.1.4.1.232.0.5021)

96 Insight Management Agent: Status of SCSI logical drive is WRONGDRIVE (1.3.6.1.4.1.232.0.5021)

97 Insight Management Agent: Status of SCSI logical drive is BADCONNECT (1.3.6.1.4.1.232.0.5021)

98 Insight Management Agent: Status of SCSI logical drive is DEGRADED (1.3.6.1.4.1.232.0.5021)

99 Insight Management Agent: Status of SCSI logical drive is DISABLED (1.3.6.1.4.1.232.0.5021)

100 Insight Management Traps: Status of SCSI logical drive is DEGRADED (1.3.6.1.4.1.232.0.5021)

101 Insight Management Traps: Physical Drive Status has changed (1.3.6.1.4.1.232.0.5022)

102 Insight Management Traps: Logical Drive Status has changed (1.3.6.1.4.1.232.0.5023)

103 Insight Management Traps: SAS Tape Drive Status has changed (1.3.6.1.4.1.232.0.5025)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdSysInfoTraps (uses CPQSINFO.MIB)

1 Insight Management Agent: Hood is removed from unit. (1.3.6.1.4.1.232.0.2001)

2 Insight Management Agent: The monitor condition has been set to OK. (1.3.6.1.4.1.232.0.2002)

3 Insight Management Agent: The monitor condition has been set to degraded.(1.3.6.1.4.1.232.0.2003)

4 Insight Management Agent: The monitor condition has been set to failed. (1.3.6.1.4.1.232.0.2004)

5 Insight Management Agent: The Memory Module ECC status has been set to degraded.(1.3.6.1.4.1.232.0.2005)

6 Insight Management Agent: The Memory Module ECC status has been set to OK.(1.3.6.1.4.1.232.0.2006)

7 Insight Management Agent: The system's memory configuration has changed.(1.3.6.1.4.1.232.0.2007)

8 Insight Management Agent: Hot Plug Slot Board Removed from Chassis. (1.3.6.1.4.1.232.0.2008)

9 Insight Management Agent: Hot Plug Slot Board Inserted into Chassis contained in SNMP Varbind 3, Slot contained in SNMP Varbind 4. (1.3.6.1.4.1.232.0.2009)

10 Insight Management Agent: Hot Plug Slot Board Failed in Chassis contained in SNMP Varbind 3, Slot contained in SNMP Varbind 4, Error contained in SNMP ind 5. (1.3.6.1.4.1.232.0.2010)

11 Insight Management Agent: Battery contained in SNMP Varbind 3 has failed. (1.3.6.1.4.1.232.0.2011)

12 Insight Management Agent: Battery contained in SNMP Varbind 3 has degraded charging capacity.(1.3.6.1.4.1.232.0.2012)

13 Insight Management Agent: Battery contained in SNMP Varbind 3 has calibration error.(1.3.6.1.4.1.232.0.2013)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdServerMgrTraps (uses CPQSRVMN.MIB)

1 Insight Management Agent: Server Manager/R board failure detected. (1.3.6.1.4.1.232.4.0.1)

2 Insight Management Agent: Server Manager/R board has been reset. (1.3.6.1.4.1.232.4.0.2)

3 Insight Management Agent: Threshold exceeded on Server Manager monitored item.(1.3.6.1.4.1.232.4.0.3)

4 Insight Management Agent: Asynchronous communication failure on Server Manager Board.(1.3.6.1.4.1.232.4.0.4)

5 Insight Management Agent: Server Manager/R battery has failed. (1.3.6.1.4.1.232.4.0.5)

6 Insight Management Agent: Server Manager/R board is not responding. (1.3.6.1.4.1.232.4.0.6)

7 Insight Management Agent: Phone number, Pager ID blacklisted. The Phone number is contained in SNMP Varbind 2, Pager ID is contained in SNMP Varbind 3 (1.3.6.1.4.1.232.4.0.7)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdPCConfigTraps (uses CPQSTDEQ.MIB)

1 Insight Management Agent: CPU internal corrected errors have passed a set threshold.(1.3.6.1.4.1.232.0.1001)

2 Insight Management Agent: Safe PC Card Thermal operating conditions exceeded. (1.3.6.1.4.1.232.0.1002)

3 Insight Management Agent: Degraded PC Card Thermal operating conditions exceeded.(1.3.6.1.4.1.232.0.1003)

4 Insight Management Agent: Degraded/Failed PC Card Thermal conditions restored to Safe operations. (1.3.6.1.4.1.232.0.1004)

5 Insight Management Agent: CPU internal corrected errors have passed a set threshold. (1.3.6.1.4.1.232.0.1005)

6 Insight Management Traps: Status change of Processor in Slot (1.3.6.1.4.1.232.0.1006)

7 Insight Management Traps: Power supply status change of Processor in Slot (1.3.6.1.4.1.232.0.1007)

8 Insight Management Traps: A USB storage device has been attached to the system.(1.3.6.1.4.1.232.0.1008)

Insight Management Agent SNMP Trap Templates and Rules for HPSIMInt-IMAgents_FwdStorageSysTraps (uses CPQSTSYS.MIB)

1 Insight Management Agent: Storage System fan status changed to OK, status contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.8001)

2 Insight Management Agent: Storage System fan status changed to FAILED, status contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.8001)

3 Insight Management Agent: Storage System fan status changed to DEGRADED, status contained in SNMP Varbind 1. (1.3.6.1.4.1.232.0.8001)

4 Insight Management Agent: This unit does not support fan monitoring, status contained in SNMP Varbind1 (.1.3.6.1.4.1.232.0.8001)

5 Insight Management Agent: Storage System will be shutdown because of temperature failure. (1.3.6.1.4.1.232.0.8002)

6 Insight Management Agent: Storage System temperature degraded (1.3.6.1.4.1.232.0.8003)

7 Insight Management Agent: Storage System temperature OK. (1.3.6.1.4.1.232.0.8004)

8 Insight Management Agent: Storage System side panel is reinstalled on unit. (1.3.6.1.4.1.232.0.8005)

9 Insight Management Agent: Storage System side panel is removed from unit. (1.3.6.1.4.1.232.0.8006)

10 Insight Management Agent: Storage System power supply unit has become degraded (1.3.6.1.4.1.232.0.8007)

11 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.8008)

12 Insight Management Agent: Storage System fan status changed to Failed, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.8008)

13 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 3. (1.3.6.1.4.1.232.0.8008)

14 Insight Management Agent: Storage System will be shutdown. (1.3.6.1.4.1.232.0.8009)

15 Insight Management Agent: Storage System temperature degraded. (1.3.6.1.4.1.232.0.8010)

16 Insight Management Agent: Storage System temperature OK. (1.3.6.1.4.1.232.0.8011)

17 Insight Management Agent: Storage System side panel is reinstalled on unit. (1.3.6.1.4.1.232.0.8012)

18 Insight Management Agent: Storage System side panel is removed from unit. (1.3.6.1.4.1.232.0.8013)

19 Insight Management Agent: Storage System power supply unit has become degraded (1.3.6.1.4.1.232.0.8014)

20 Insight Management Agent: Storage System power supply unit has become degraded (1.3.6.1.4.1.232.0.8015)

21 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8016)

22 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8016)

23 Insight Management Agent: Storage System fan status changed to Failed, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8016)

24 Insight Management Agent: Storage System power supply status changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8017)

25 Insight Management Agent: Storage System power supply status changed to Failed, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8017)

26 Insight Management Agent: Storage System power supply status changed to Degraded, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8017)

27 Insight Management Agent: Storage System power supply UPS status changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8018)

28 Insight Management Agent: Storage System power supply UPS status changed to Power failed, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8018)

29 Insight Management Agent: Storage System power supply UPS status changed to Battery low, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8018)

30 Insight Management Agent: Storage System temperature sensor status has changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8019)

31 Insight Management Agent: Storage System temperature sensor status has changed to Degraded,status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8019)

32 Insight Management Agent: Storage System temperature sensor status has changed to Failed, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8019)

33 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8020)

34 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8020)

35 Insight Management Agent: Storage System fan status changed to Failed, states is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8020)

36 Insight Management Agent: Storage System power supply status changed to OK, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8021)

37 Insight Management Agent: Storage System power supply status changed to Failed, status is contained in SNMP Varbind 6. (1.3.6.1.4.1.232.0.8021)

38 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8022)

39 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8022)

40 Insight Management Agent: Storage System fan status changed to Failed, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8022)

41 Insight Management Agent: Storage System temperature status changed to OK, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8023)

42 Insight Management Agent: Storage System temperature status changed to Degraded, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8023)

43 Insight Management Agent: Storage System temperature status changed to Failed, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8023)

44 Insight Management Agent: Storage System power supply status changed to OK, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8024)

45 Insight Management Agent: Storage System power supply status changed to Degraded, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8024)

46 Insight Management Agent: Storage System power supply status changed to Failed, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8024)

47 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.8.0.1)

48 Insight Management Agent: Storage System fan status changed to Failed, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.8.0.1)

49 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 1. (1.3.6.1.4.1.232.8.0.1)

50 Insight Management Agent: Storage system recovery server option status changed to DEAMON DOWN DISABLED, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

51 Insight Management Agent: Storage system recovery server option status changed to OK, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

52 Insight Management Agent: Storage system recovery server option status changed to DEAMON DOWN ACTIVE, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

53 Insight Management Agent: Storage system recovery server option status changed to NOSECONDARY, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

54 Insight Management Agent: Storage system recovery server option status changed to DEAMON DOWN NOSECONDARY, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

55 Insight Management Agent: Storage system recovery server option status changed to LINKDOWN, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

56 Insight Management Agent: Storage system recovery server option status changed to DEAMON DOWN LINKDOWN, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

57 Insight Management Agent: Storage system recovery server option status changed to SECONDARY RUNNING AUTO, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

58 Insight Management Agent: Storage system recovery server option status changed to SECONDARY RUNNING USER, status is contained in SNMP Varbind 5. (1.3.6.1.4.1.232.0.8025)

59 Insight Management Agent: Storage System fan status changed to OK, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8026)

60 Insight Management Agent: Storage System fan status changed to Failed, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8026)

61 Insight Management Agent: Storage System fan status changed to Degraded, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8026)

62 Insight Management Agent: Storage System temperature status is degraded, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8027)

63 Insight Management Agent: Storage System temperature status is failed, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8027)

64 Insight Management Agent: Storage System temperature status is ok, status is contained in SNMP Varbind 9. (1.3.6.1.4.1.232.0.8027)

65 Insight Management Agent: Storage System power supply unit status is degraded, status is contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8028)

66 Insight Management Agent: Storage System power supply unit status is failed, status is contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8028)

67 Insight Management Agent: Storage System power supply unit status is OK, status contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8028)

68 Insight Management Traps: Storage System fan status has changed, status contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8029)

69 Insight Management Traps: Storage System temperature status has changed, status contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8030)

70 Insight Management Traps: Storage system power supply status has changed, status is contained in SNMP Varbind 9 (1.3.6.1.4.1.232.0.8031)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdSWCCTraps (uses CPQSWCC.MIB)

1 Insight Management Agent: Fiber channel device status is OK , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.1)

2 Insight Management Agent: Fiber channel device status is Degraded , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.1)

3 Insight Management Agent: Fiber channel device status is FAILED, status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.1)

4 Insight Management Agent: Fiber channel tape controller device status is OK , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.2)

5 Insight Management Agent: Fiber channel tape controller device status is DEGRADED , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.2)

6 Insight Management Agent: Fiber channel tape controller device status is FAILED , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.2.0.2)

7 Insight Management Agent: EMU/Device Manager device status is OK , status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.3.0.1)

8 Insight Management Agent: EMU/Device Manager device status is DEGRADED, status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.3.0.1)

9 Insight Management Agent: EMU/Device Manager device status is FAILED, status is now contained in SNMP Varbind 3. (.1.3.6.1.4.1.232.132.3.0.1)

10 Insight Management Agent: Some event has happened to a physical device on a KZPCC controller (.1.3.6.1.4.1.232.132.4.1.0.1)

11 Insight Management Agent: Some event has happened to a virtual device (logical drive) on a KZPCC controller (.1.3.6.1.4.1.232.132.4.1.0.2)

12 Insight Management Agent: Some event has happened to a KZPCC controller(.1.3.6.1.4.1.232.132.4.1.0.3)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdThresholdMgmt- Traps (uses CPQTHRSH.MIB)

1. Insight Management Agent: Rising threshold passed (1.3.6.1.4.1.232.0.10001)
2. Insight Management Agent: Falling threshold passed. (1.3.6.1.4.1.232.0.10002)
3. Insight Management Agent: Rising threshold passed (1.3.6.1.4.1.232.0.10003)
4. Insight Management Agent: Falling threshold passed (1.3.6.1.4.1.232.0.10004)
5. Insight Management Agent: Rising threshold passed (1.3.6.1.4.1.232.0.10005)
6. Insight Management Agent: Falling threshold passed (1.3.6.1.4.1.232.0.10006)
7. Insight Management Agent : Critical Rising Threshold Crossed (1.3.6.1.4.1.232.0.10007)
8. Insight Management Traps: Critical Falling Threshold Crossed (1.3.6.1.4.1.232.0.10008)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdUPSTraps (uses CPQUPS.MIB)

1. Insight Management Agent: UPS reports AC line power failure. (1.3.6.1.4.1.232.0.12001)
2. Insight Management Agent: UPS reports AC line power has returned. (1.3.6.1.4.1.232.0.12002)
3. Insight Management Agent: UPS has initiated server shutdown. (1.3.6.1.4.1.232.0.12003)
4. Insight Management Agent: Server now operational after UPS shutdown. (1.3.6.1.4.1.232.0.12004)
5. Insight Management Agent: UPS battery low server will soon lose power. (1.3.6.1.4.1.232.0.12005)
6. Insight Management Agent: UPS reports AC line power failure. (1.3.6.1.4.1.232.0.12006)

7 Insight Management Agent: UPS reports AC line power has returned. (1.3.6.1.4.1.232.0.12007)

8 Insight Management Agent: UPS has initiated server shutdown. (1.3.6.1.4.1.232.0.12008)

9 Insight Management Agent: Server now operational after UPS shutdown. (1.3.6.1.4.1.232.0.12009)

10 Insight Management Agent: UPS battery is low server will soon lose power. (1.3.6.1.4.1.232.0.12010)

11 Insight Management Agent: UPS has been overloaded. (1.3.6.1.4.1.232.0.12011)

12 Insight Management Agent: UPS battery is about to fail. (1.3.6.1.4.1.232.0.12012)

13 Insight Management Agent: UPS critical alarm received (1.3.6.1.4.1.232.0.12013)

14 Insight Management Agent: UPS informational alarm received (1.3.6.1.4.1.232.0.12014)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdSTEAMTraps (uses HS_agent.mib)

1 Insight Management Agent: Disk device has failed (.1.3.6.1.4.1.36.2.15.21.0.1)

2 Insight Management Agent: Disk device has recovered (1.3.6.1.4.1.36.2.15.21.0.2)

3 Insight Management Agent: Power supply has failed (.1.3.6.1.4.1.36.2.15.21.0.3)

4 Insight Management Agent: Power supply device has recovered (.1.3.6.1.4.1.36.2.15.21.0.4)

5 Insight Management Agent: Fan has failed (.1.3.6.1.4.1.36.2.15.21.0.5)

6 Insight Management Agent: Fan has recovered (.1.3.6.1.4.1.36.2.15.21.0.6)

7 Insight Management Agent: Cache Battery has failed (.1.3.6.1.4.1.36.2.15.21.0.7)

8 Insight Management Agent: Cache Battery has LOW state (.1.3.6.1.4.1.36.2.15.21.0.8)

9 Insight Management Agent: Cache Battery has good state (.1.3.6.1.4.1.36.2.15.21.0.9)

10 Insight Management Agent: Temperature Sensor has exceeded WARNING threshold limit (1.3.6.1.4.1.36.2.15.21.0.10)

11 Insight Management Agent: Temperature Sensor has dropped below WARNING threshold limit (1.3.6.1.4.1.36.2.15.21.0.11)

12 Insight Management Agent: Agent on host has lost communication with subsystem (1.3.6.1.4.1.36.2.15.21.0.12)

13 Insight Management Agent: Agent on host has recovered communication with subsystem (1.3.6.1.4.1.36.2.15.21.0.13)

14 Insight Management Agent: The Secondary Controller has failed (1.3.6.1.4.1.36.2.15.21.0.14)

15 Insight Management Agent: The Secondary Controller has recovered (.1.3.6.1.4.1.36.2.15.21.0.15)

16 Insight Management Agent: LUN has failed (1.3.6.1.4.1.36.2.15.21.0.16)

17 Insight Management Agent: LUN is now in reconstruct mode (1.3.6.1.4.1.36.2.15.21.0.17)

18 Insight Management Agent: LUN is in degraded state(1.3.6.1.4.1.36.2.15.21.0.18)

19 Insight Management Agent: LUN is in optimal state (1.3.6.1.4.1.36.2.15.21.0.19)

20 Insight Management Agent: The External Input to the EMU in cabinet indicates a failure (1.3.6.1.4.1.36.2.15.21.0.20)

21 Insight Management Agent: The External Input to the EMU in cabinet indicates a recovery (1.3.6.1.4.1.36.2.15.21.0.21)

22 Insight Management Agent: Cache Battery has unknown state (.1.3.6.1.4.1.36.2.15.21.0.22)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdRPMTraps (uses CPQRPM.MIB)

1 Insight Management Agent: A UPS device is reporting a Connection Lost (1.3.6.1.4.1.232.154.2.1)

2 Insight Management Agent: A UPS device is reporting a Connection Lost (1.3.6.1.4.1.232.154.2.2)

3 Insight Management Agent: A CMC device is reporting temperature 1 below minimum threshold (1.3.6.1.4.1.232.154.2.10001)

4 Insight Management Agent: A CMC device is reporting temperature 1 above warning threshold (1.3.6.1.4.1.232.154.2.10002)

5 Insight Management Agent: A CMC device is reporting temperature 1 above warning threshold (1.3.6.1.4.1.232.154.2.10002)

6 Insight Management Agent: A CMC device is reporting temperature 1 above maximum threshold (1.3.6.1.4.1.232.154.2.10003)

7 Insight Management Agent: A CMC device is reporting temperature 1 has returned to a normal (1.3.6.1.4.1.232.154.2.10004)

8 Insight Management Agent: A CMC device is reporting temperature 2 below minimum threshold (1.3.6.1.4.1.232.154.2.10005)

9 Insight Management Agent: A CMC device is reporting temperature 2 above warning threshold (1.3.6.1.4.1.232.154.2.10006)

10 Insight Management Agent: A CMC device is reporting temperature 2 above maximum threshold (1.3.6.1.4.1.232.154.2.10007)

11 Insight Management Agent: A CMC device is reporting temperature 2 has returned to a normal temperature (1.3.6.1.4.1.232.154.2.10008)

12 Insight Management Agent: A CMC device is reporting voltage below minimum threshold (1.3.6.1.4.1.232.154.2.10011)

13 Insight Management Agent: A CMC device is reporting voltage above maximum threshold (1.3.6.1.4.1.232.154.2.10012)

14 Insight Management Agent: A CMC device is reporting voltage has returned to normal (1.3.6.1.4.1.232.154.2.10013)

15 Insight Management Agent: A CMC device is reporting humidity below minimum threshold (1.3.6.1.4.1.232.154.2.10021)

16 Insight Management Agent: A CMC device is reporting humidity above maximum threshold (1.3.6.1.4.1.232.154.2.10022)

17 Insight Management Agent: A CMC device is reporting humidity has returned to normal (1.3.6.1.4.1.232.154.2.10023)

18 Insight Management Agent: A CMC device is reporting smoke detected (1.3.6.1.4.1.232.154.2.10031)

19 Insigt Manager: A CMC device is reporting smoke cleared (1.3.6.1.4.1.232.154.2.10032)

20 Insight Management Agent: A CMC device is reporting shock detected (1.3.6.1.4.1.232.154.2.10041)

21 Insight Management Agent: A CMC device is reporting shock cleared (1.3.6.1.4.1.232.154.2.10042)

22 Insight Management Agent: A CMC device has entered an alarm condition for auxiliary input 1(1.3.6.1.4.1.232.154.2.10051)

23 Insight Management Agent: A CMC device is reporting auxiliary input 1 alarm cleared (1.3.6.1.4.1.232.154.2.10052)

24 Insight Management Agent: A CMC device has entered an alarm condition for auxiliary input 2(1.3.6.1.4.1.232.154.2.10053)

25 Insight Management Agent: A CMC device is reporting auxiliary input 2 alarm cleared (1.3.6.1.4.1.232.154.2.10054)

26 Insight Management Agent: A CMC device is reporting input 1 has been opened (1.3.6.1.4.1.232.154.2.10101)

27 Insight Management Agent: A CMC device is reporting input 1 has been closed (1.3.6.1.4.1.232.154.2.10102)

28 Insight Management Agent: A CMC device is reporting input 2 has been opened (1.3.6.1.4.1.232.154.2.10103)

29 Insight Management Agent: A CMC device is reporting input 2 has been closed (1.3.6.1.4.1.232.154.2.10104)

30 Insight Management Agent: A CMC device is reporting input 3 has been opened (1.3.6.1.4.1.232.154.2.10105)

31 Insight Management Agent: A CMC device is reporting input 3 has been closed (1.3.6.1.4.1.232.154.2.10106)

32 Insight Management Agent: A CMC device is reporting input 4 has been opened (1.3.6.1.4.1.232.154.2.10107)

33 Insight Management Agent: A CMC device is reporting input 4 has been closed(1.3.6.1.4.1.232.154.2.10108)

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36 Insight Management Agent: A CMC device is reporting an error with lockset 1(1.3.6.1.4.1.232.154.2.10113)

37 Insight Management Agent: A CMC device is reporting lockset 1 has been locked (1.3.6.1.4.1.232.154.2.10114)

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46 Insight Management Agent: A UPS device is reporting an overload condition has cleared (1.3.6.1.4.1.232.154.2.20015)

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49 Insight Management Agent: A UPS device is reporting on battery condition (1.3.6.1.4.1.232.154.2.21063)

50 Insight Management Agent: A UPS device is reporting an On Buck condition (1.3.6.1.4.232.154.2.21029)

51 Insight Management Agent: A UPS device is reporting an On Boost condition (1.3.6.1.4.232.154.2.21031)

52 Insight Management Agent: A UPS device is reporting on Power Utility condition (1.3.6.1.4.1.232.154.2.21064)

53 Insight Management Agent: A UPS device is reporting temperature is out of range (1.3.6.1.4.1.232.154.2.20103)

54 Insight Management Agent: A UPS device is reporting a general UPS failure (1.3.6.1.4.1.232.154.2.20111)

55 Insight Management Agent: A UPS device is reporting a general UPS failure has been cleared (1.3.6.1.4.1.232.154.2.20112)

56 Insight Management Agent: A UPS device is reporting a battery failure (1.3.6.1.4.1.232.154.2.20121)

57 Insight Management Agent: A UPS device is reporting a battery failure has been cleared (1.3.6.1.4.1.232.154.2.20122)

58 Insight Management Agent: A UPS device is reporting a diagnostic test failed (1.3.6.1.4.1.232.154.2.20131)

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61 Insight Management Agent: UPS Measured input frequency is normal (1.3.6.1.4.1.232.154.2.20142)

62 Insight Management Agent: A UPS device is reporting bypass not available (1.3.6.1.4.1.232.154.2.20161)

63 Insight Management Agent: A UPS device is reporting bypass not available error has been cleared (1.3.6.1.4.1.232.154.2.20162)

64 Insight Management Agent: A UPS device is reporting the input wiring is NORMAL (1.3.6.1.4.1.232.154.2.20202)

65 Insight Management Agent: A UPS device is reporting a fault in the input wiring (1.3.6.1.4.1.232.154.2.20201)

66 Insight Management Agent: A UPS device is operating in NORMAL mode (1.3.6.1.4.1.232.154.2.21060)

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71 Insight Management Agent: A UPS device is reporting input voltage is out of range (1.3.6.1.4.1.232.154.2.21021)

72 Insight Management Agent: A UPS device is reporting temperature is out of range (1.3.6.1.4.1.232.154.2.21007)

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74 Insight Management Agent: A UPS device is operating in auto bypass mode 1.3.6.1.4.1.232.154.2.21047)

75 Insight Management Agent: A UPS device is not operating in auto bypass mode (1.3.6.1.4.1.232.154.2.21048)

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77 Insight Management Agent: A UPS device is reporting batteries are not connected to the UPS (1.3.6.1.4.1.232.154.2.21053)

78 Insight Management Agent: A UPS device is reporting batteries are reconnected to the UPS (1.3.6.1.4.1.232.154.2.21054)

79 Insight Management Agent: A UPS device is reporting batteries are completely discharged (1.3.6.1.4.1.232.154.2.21057)

80 Insight Management Agent: A UPS device is reporting an output Breaker or Relay has failed (1.3.6.1.4.1.232.154.2.21041)

81 Insight Management Agent: A UPS device is reporting an output Breaker is functioning normally (1.3.6.1.4.1.232.154.2.21042)

82 Insight Management Agent: A UPS device is reporting an Emergency Power Off (EPO) command (1.3.6.1.4.1.232.154.2.21037)

83 Insight Management Agent: The UPS has been powered off with user interaction (1.3.6.1.4.1.232.154.2.21033)

84 Insight Management Agent: The UPS output has been restored (1.3.6.1.4.1.232.154.2.21034)

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87 Insight Management Agent: A UPS device is reporting a fan failure has occurred (1.3.6.1.4.1.232.154.2.21035)

88 Insight Management Agent: A UPS device is reporting a fan failure has cleared (1.3.6.1.4.1.232.154.2.21036)

89 Insight Management Agent: A UPS device is reporting a loss of redundancy (1.3.6.1.4.1.232.154.2.21023)

90 Insight Management Agent: A UPS device is reporting a loss of redundancy cleared (1.3.6.1.4.1.232.154.2.21024)

91 Insight Management Agent: A UPS device is reporting a shutdown imminent condition (1.3.6.1.4.1.232.154.2.21013)

92 Insight Management Agent: A UPS device is reporting a shutdown imminent condition cleared (1.3.6.1.4.1.232.154.2.21014)

93 Insight Management Agent: A UPS device is reporting shutdown pending condition (1.3.6.1.4.1.232.154.2.21011)

94 Insight Management Agent: The UPS is no longer pending shutdown (1.3.6.1.4.1.232.154.2.21012)

95 Insight Management Agent: A critical alarm has occurred (1.3.6.1.4.1.232.154.3.1)

96 Insight Management Agent: A warning alarm has occurred for UPS (1.3.6.1.4.1.232.154.3.2)

97 Insight Management Agent: An alarm has cleared for UPS (1.3.6.1.4.1.232.154.3.4)

Insight Management Agent SNMP Trap templates and Rules for HPSIMInt-IMAgents_FwdCIMTraps (CPQCIM.MIB)

1 Insight Management Agent: The GbE switch has successfully transferred a firmware image (1.3.6.1.4.1.232.0.161001)

2 Insight Management Agent: The GbE switch has successfully transferred a configuration file (1.3.6.1.4.1.232.0.161002)

3 Insight Management Agent: The GbE switch has successfully completed a TFTP transfer (1.3.6.1.4.1.232.0.161003)

4 Insight Management Agent: The GbE switch has failed a TFTP transfer (1.3.6.1.4.1.232.0.161004)

5 Insight Management Agent: Invalid firmware or configuration image downloaded (1.3.6.1.4.1.232.0.161005)

6 Insight Management Agent: The GbE switch fan has failed (1.3.6.1.4.1.232.0.161006)

7 Insight Management Agent: The switch fan has returned to normal operation (1.3.6.1.4.1.232.0.161007)

8 Insight Management Agent: The switch temperature sensor indicates a high temperature condition (1.3.6.1.4.1.232.0.161008)

9 Insight Management Agent: The switch temperature sensor indicates an over-temperature condition (1.3.6.1.4.1.232.0.161009)

10 Insight Management Agent: The switch temperature sensor indicates temperature has returned to normal (1.3.6.1.4.1.232.0.161010)

11 Insight Management Agent: The switch has successfully completed POST (1.3.6.1.4.1.232.0.161011)

12 Insight Management Agent: The switch has rejected a login attempt (1.3.6.1.4.1.232.0.161012)

13 Insight Management Agent: A SNTP Server was configured, but no SNTP servers were found (1.3.6.1.4.1.232.0.161015)

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