HP Operations Integration for HP Systems Insight Manager

for HP Operations Manager for Windows®

Software Version: 1.70

Installation and Reference Guide

Document Release Date: October 2008
Software Release Date: October 2008

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Contents

1 Overview

HP Systems Insight Manager

HP Systems Insight Manager (HPSIM) 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. HPSIM 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 (SE SRM).

HPSIM 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

- Supports 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.
- Supports 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 using 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 HPSIM.

For more information about HPSIM, 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 Systems Insight Management (SIM) Integration

HPSIM Integration (HPSIMInt) provides a smart link between HP Operations Manager for Windows (HPOM for Windows) and HPSIM – a market leading management solution for network systems, databases, and applications in heterogeneous IT environments. This smart link also provides features for monitoring and managing the HPSIM and Insight Management Agents (IM Agents), host agent services, and enables event forwarding and event acknowledgement between HPSIM and HPOM for Windows. HPSIMInt consists of policies, tools, and messages to manage the functionality of HPSIM management servers and the IM Agents. HPSIMInt can be installed in environments consisting of multiple HPSIM management servers and IM Agent nodes.

Features and Functionality

HPSIMInt supports the following features on HPOM for Windows:

- **Service discovery**

  Supports discovery of HPSIM central management server (HPSIM CMS) and IM Agents.

- **Service/process monitoring**

  Monitors the availability of the discovered HPSIM and the IM Agent services. The service alerts can be communicated to the HPOM service navigator and the HPOM message browser.

- **ProLiant server system monitoring**

  Offers tool to configure IM Agent SNMP trap destination and policies for IM Agent SNMP traps. These policies generate HPOM event messages for server hardware problems.

If you deploy the default HPSIM event forwarding and the IM Agent trap policies, duplicate events are forwarded from each of the SIM applications.

- **Event forwarding from HPSIM**

Provides tools to configure forwarding of HPSIM events to HPOM message browser. Event forwarding can be configured to use a default event collection, or any customized collection of HPSIM events. The integration also associates an operator action with each HPSIM event, to launch the HPSIM web interface for further investigation.

- **Bi-directional event acknowledgement/clearing on HPSIM**

  Enables you to clear events on HPSIM if the events forwarded from HPSIM to HPOM are acknowledged on HPOM. When configured, events that are cleared on HPSIM are acknowledged on HPOM if they were forwarded from HPSIM and they exist in the HPOM active message browser.

- **Tool groups**

  Offers tools to assist in the management of HPSIM and IM Agent nodes. Tool groups include tools for adding nodes to HPSIM, executing tools on HPSIM managed nodes, launching the HPSIM web interface, and IM Agents System Management page, and so on.

- **Policy groups**

  Contain policies for monitoring the HPSIM and IM Agent services, clearing or acknowledging events, and IM Agents SNMP trap interpretation.

- **Contextual launch to HPSIM system page**

  Enables users to initiate contextual launch of the HPSIM CMS System page from HPOM messages.

- **Web Interface tools**

  Provides tools to launch the web interface for HPSIM, IM Agent, and Integrated Lights-Out (iLO).

2 Installing HPSIM Integration

Prerequisites

To avoid problems during the installation of the HPSIMInt 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 the 8.10 management server:

  HP Operations Manager for Windows Installation Guide

- For 8.10 HTTPS managed nodes:

  HP OpenView Operations HTTPS Agent Concepts and Configuration Guide

- For HPOM 8.10 DCE managed nodes:

  HP OpenView Operations OVO DCE Agent Concepts and Configuration Guide

Disk Space Requirements

Table 1 Disk space requirements

System	Operating System	Installation	Runtime Files	Total
HPOM management server 8.10	Windows 2008 (32-bit) Windows 2008 EE (32-bit) Windows 2003 R2 (32-bit)	4 MB	1 MB	5 MB
OVOW 7.5	Windows 2003 (32-bit)	4 MB	1 MB	5 MB
HPOM managed node	HP-UX 11.11 HP-UX 11.23 IA HP-UX 11.23 PA HP-UX 11.31 PA HP-UX 11.31 IA	1 MB	1 MB	2 MB
	Solaris 8, 9,10			
	RedHat Linux Advanced Server 4.0 (32-bit and 64-bit) RedHat Linux Advanced Server 5.0 (32-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 and 64-bit) Microsoft Windows 2003 R2 (32-bit and 64-bit) Microsoft Windows 2008 (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 HPSIMInt.

Software Requirements

- OVO for Windows 7.50 or HPOM for Windows 8.10, updated with the latest server and agent patches
- HP Operations Smart Plug-in Self-Healing Integration Component, Version 2.30
- OVOW_00244 patch for running HPSIMInt SPI 1.50 on OVOW 7.50

HPOM Management Server Versions

Table 2 Versions of HPOM management server

HPOM Management Server	Operating System	HPOM Agent Types
OVO 7.50	• Microsoft Windows 2003 (32-bit)	DCE
HPOM 8.10	• Microsoft Windows 2003 (32-bit) • Microsoft Windows 2003 R2 (32-bit) • Microsoft Windows 2008 EE (32-bit)	HTTPS DCE

HPSIM CMS Versions

Table 3 Versions of HPSIM CMS

HPSIM CMS	Operating System
HPSIM 5.1 HPSIM 5.2 HPSIM 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 (supported only on OVOW 7.50) • HP-UX 11.11 • HP-UX 11.23 PA/IA • HP-UX 11.31 PA/IA • RedHat Linux AS 4 (32-bit and 64-bit • RedHat Linux AS 5 (32-bit and 64-bit) • SuSE Linux ES 9/10 (32-bit & 64-bit)

HP Insight Management Agent Versions

Table 4 Versions of HP Insight Management Agent

HP Insight Management Agent	Operating System
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) • Windows 2008 EE (only Smart Start 8.0)

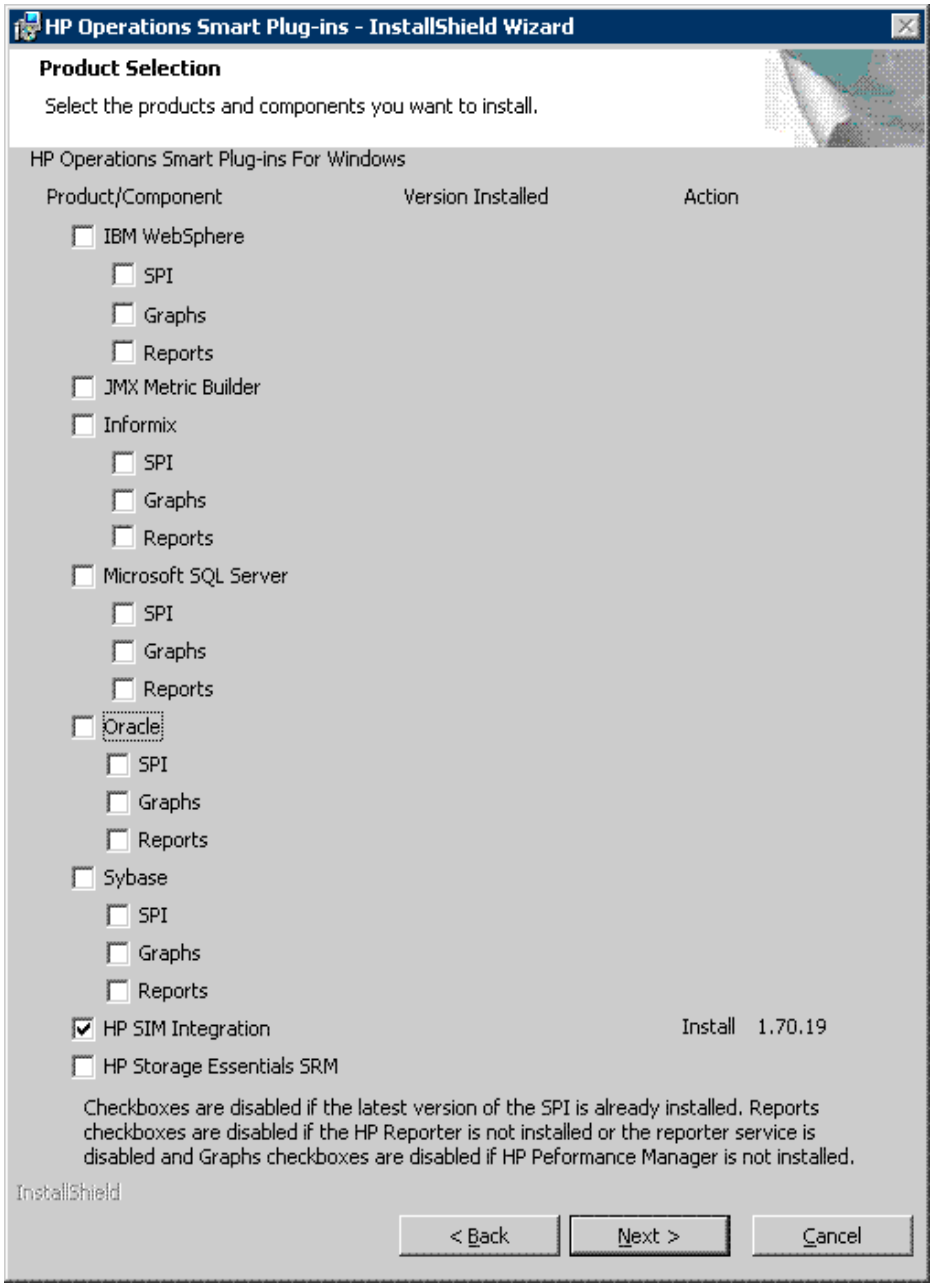
Installing HPSIMInt

Before you start installing HPSIMInt on the HPOM management server, ensure that the HPOM management server meets the installation Prerequisites discussed at the beginning of this chapter.

- Deploy the agent with the latest patches to the node before deploying HPSIMInt.
- Install HPSIMInt only from the DVD installer. Do not copy and run.msi files directly.

Follow these steps:

1. Log in to the HPOM management server as an administrator.
2. Insert the Smart Plug-ins, New and Upgraded, DVD into the DVD drive of the management server/console system. The installation wizard opens.


HP Operations Smart Plug-ins - InstallShield Wizard
Product Selection
Select the products and components you want to install.
HP Operations Smart Plug-ins For Windows
Product/Component
Version Installed
Action
IBM WebSphere
SPI
Graphs
Reports
JMX Metric Builder
Informix
SPI
Graphs
Reports
Microsoft SQL Server
SPI
Graphs
Reports
Oracle
SPI
Graphs
Reports
Sybase
SPI
Graphs
Reports
HP SIM Integration
Install 1.70.19
HP Storage Essentials SRM
Checkboxes are disabled if the latest version of the SPI is already installed. Reports checkboxes are disabled if the HP Reporter is not installed or the reporter service is disabled and Graphs checkboxes are disabled if HP Peformance Manager is not installed.
InstallShield
< Back
Next >
Cancel

3 In the Product Selection window, select **HPSIM Integration** and click **Next**.

The Installer executable verifies that HPOM is installed, installs the package, and loads the selected packages to the HPOM management server.

4 Follow the on-screen instructions to complete the installation process.

5 Click **Finish** to exit the installation wizard.

For detailed instructions on installing HP Operations Smart Plug-ins, see the *New and Upgraded Smart Plug-ins DVD for HP Operations Installation / Upgrade Guide*.

Upgrading HPSIMInt

Follow these steps:

1. Verify the hardware and software requirements listed at the beginning of this chapter.
2. To preserve any policy customization made in the previous version, do a backup to save the complete and current HPSIMInt policies.
3. Stop the HPSIMInt Event Listener using the Stop Event Listener tool.
4. Remove the HPSIM CMS node from the node group using the De-assign HPSIM node from node group tool.
5. Uninstall older versions of the HPSIMInt policies from existing managed nodes.
   a. In the console tree, select **Policy management** > **Policy groups** > **HPSIMInt.**
   b. Right-click and select **All tasks** > **Uninstall from**.
   c. Select the appropriate node group or nodes and click **OK**.
6. Install HPSIMInt from the DVD following the procedure in Installing HPSIMInt on page 19.
7. Ensure that the Auto-deployment registry variable Disable is set to False.
8. Assign all the HPSIM CMS nodes that were de-assigned in step 4 back to the HPSIM CMS node group using the Assign HPSIM node to node group tool.
9. Run the Get HPSIM Credentials tool and the Start Event Listener tool.

Verifying Installation

To verify that HPSIMInt installed successfully on the HPOM management server, open the HPOM management server console and check that the following elements are present.

Table 5 List of elements

Elements	Options
Node Groups	HP SIM CMS-Unix HP SIM CMS-Win IM Agents-Win
Tools Group	HPSIMInt • HP Systems Insight Manager-Unix • HP Systems Insight Manager-Win • HPSIMInt Utils • Insight Management Agents
Message Group	HPSIMInt-IMAgents HPSIMInt-Systems_Insight_Manager
Policy Group	HP SIM Int • HP SIM CMS-Win • HP SIM CMS-Unix • HP SIM Event Acknowledging • IM Agent-Win
User Roles	HP SIM Integration Admin

If any of the elements are not present, reinstall HPSIMInt.

The following policy groups are assigned to node groups.

Table 6 List of policy groups assigned to node groups

Node Groups	Policy Groups
HP SIM CMS-Unix	\HP SIM Integration\HP SIM CMS-Unix\Event Forwarding \HP SIM Integration\HP SIM CMS-Unix\Service Discovery \HP SIM Integration\HP SIM CMS-Unix\Service Monitoring
HP SIM CMS-Win	\HP SIM Integration\HP SIM CMS-Win\Event Forwarding \HP SIM Integration\HP SIM CMS-Win\Service Discovery \HP SIM Integration\HP SIM CMS-Win\Service Monitoring
IM Agents-Win	\HP SIM Integration\IM Agents-Win\Hardware Traps \HP SIM Integration\IM Agents-Win\Service Discovery \HP SIM Integration\IM Agents-Win\HP Remote Insight Lights Out \HP SIM Integration\IM Agents-Win\Service Monitoring

Installed File Locations

The following files and directories are created during the installation of HP SIM Integration on the HPOM management server.

Table 7 List of files and directories created during the installation

Component	Location
Binaries and Scripts	<OvInstallDir>install\HPSIMInt <OvInstallDir>bin\HPSIMInt <OvDataDir>shared\SPI-Share\HPSIMInt
Instrumentation	<OvDataDir>Data\shared\Instrumentation\Windows 2008\6.0\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\Windows XP\5.1\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\Windows Server 2003\5.2\HP SIM Integration <HPOMShareDataDir>Data\shared\Instrumentation\HPUX\B.11.00\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\HPUX\B.11.23\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\HPUX\B.11.23 PI\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\HPUX\B.11.31 PA\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\LINUX\Red Hat EL 3.0\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\LINUX\Red Hat EL 4.0\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\LINUX\SuSE Server 8\HP SIM Integration <OvDataDir>Data\shared\Instrumentation\LINUX\SuSE Server 9\HP SIM Integration
Documentation	<OvInstallDir>install\HPSIMInt\doc
Mof Files	<OvInstallDir>install\HPSIMInt\NLS\1033\Mof Files

The following directories for HP SIM Integration components are used to deploy policies to the DCE and HTTPS managed nodes.

Table 8 List of directories

Operating System	Installed Location
Microsoft Windows	<OvAgentDir>\bin\instrumentation
HP-UX, Linux	<OvInstallDir>/bin/instrumentation

3 Configuring HPSIM 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 OM
- 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 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.

Before starting the HPOM agent installation, ensure that the system on which you want to install the HPOM agent meets the installation requirements (see Prerequisites on page 15).

You can install the HPOM agent on a managed node by various methods. For more information on the various installation methods, see the *HP Operations Manager for Windows Installation Guide* and also the documents listed Chapter 2, Installing HPSIM Integration.

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.

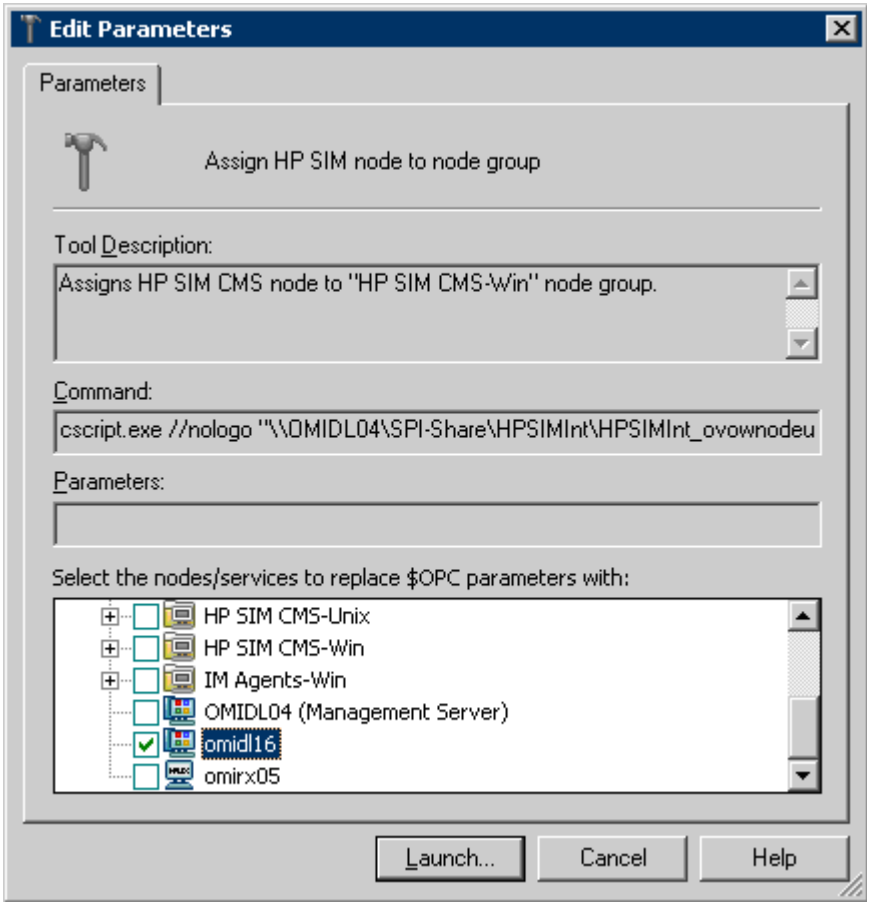
You can install the HP Operations agent on a managed node by various methods. These methods are described in the *HP Operations for Unix Installation Guide* and in the manuals listed on page 15.

Task 3: Assign HP SIM CMS Nodes to a Node Group

The Assign HP SIM node to node group tool assigns the node to the chosen HP SIM CMS node group and deploys the HP SIM CMS policy groups, such as Service Discovery and Service Monitoring policies. The Service Discovery policy deployment runs the HP SIM service discovery process. If an HP SIM service is not discovered, the corresponding monitor policy is disabled.

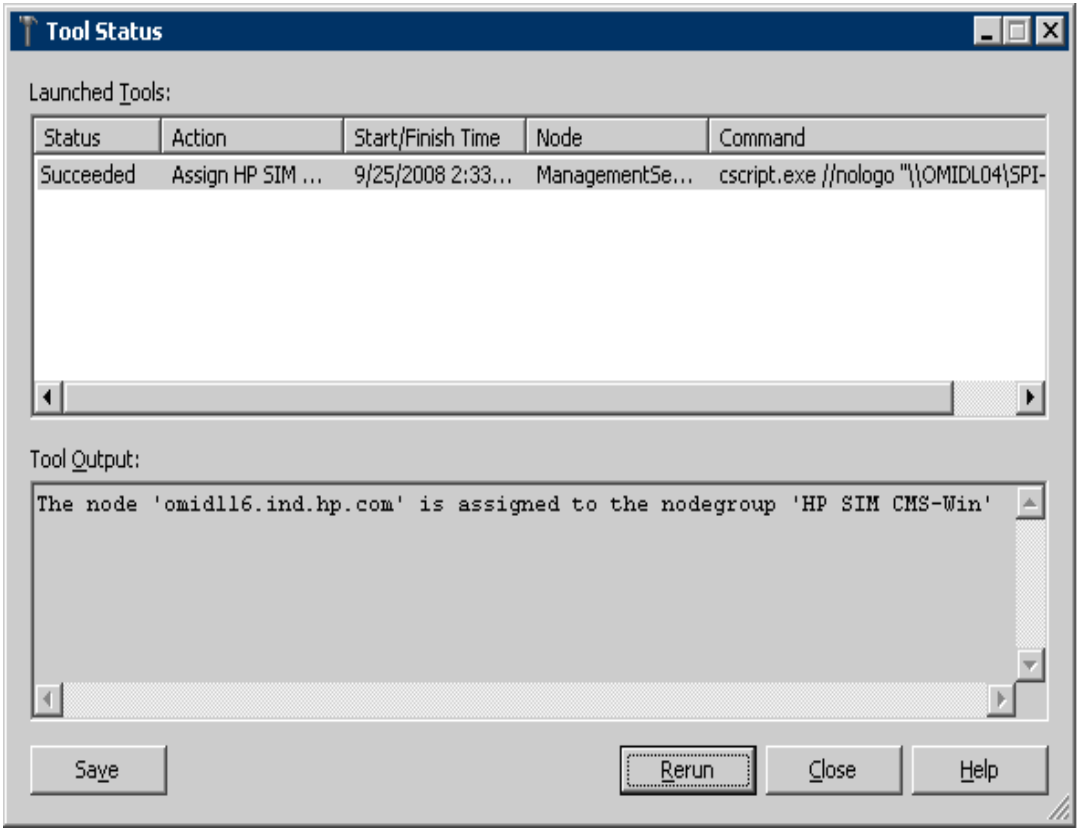
To assign HP SIM CMS nodes to the correct node group, follow these steps:

1. Log on to the HPOM management server and start the HPOM Console.
2. Select **Tools** > **HP SIM Integration** > **HP Systems Insight Manager-Win** *or* **HP Systems Insight Manager-Unix** (depending on the operating system), and right-click **Assign HP SIM node to node group.**
3. Select **All Tasks** > **Launch Tool**. The Edit Parameters window opens.



4 From the **Select the nodes/services to replace $OPC paraeter with**, select the node on which the HP SIM CMS is running.

5 Click **Launch**. The Tool Status window opens.



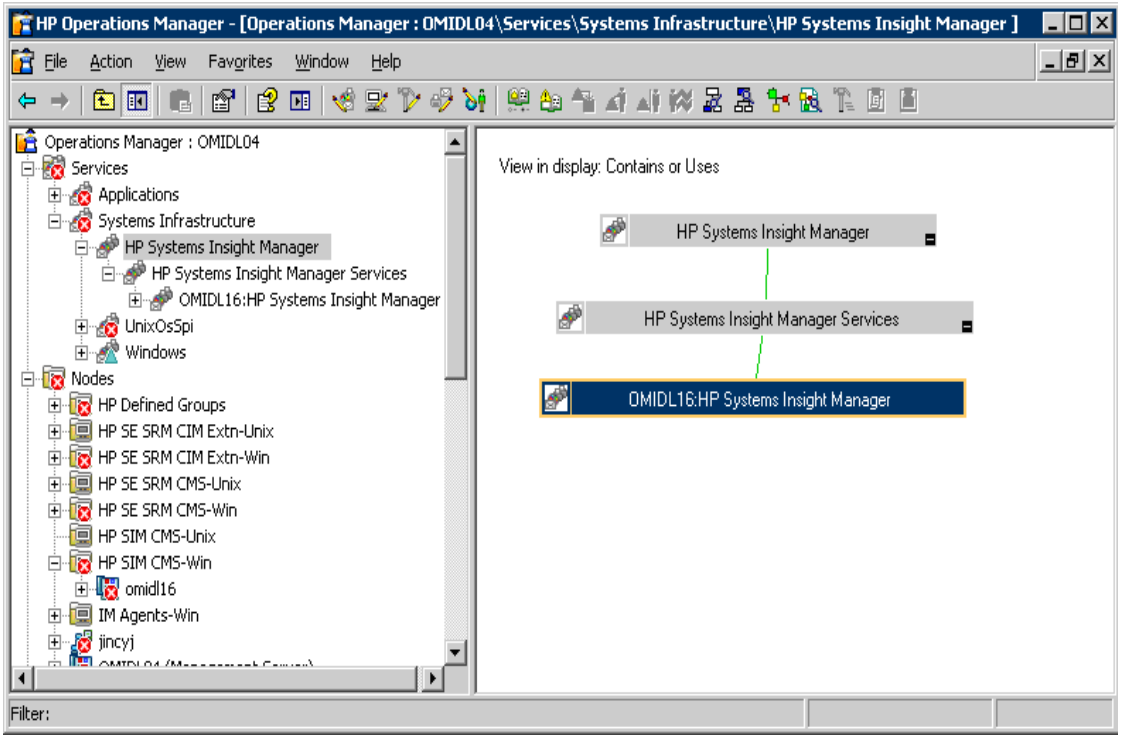
This assigns the HP SIM CMS node to the **HP SIM CMS-Win** *or* **HP SIM CMS-Unix** node group and deploys service discovery and monitor policies.

The HP SIM Integration category instrumentation gets deployed with the service discovery policy, to HP SIM CMS nodes.

6 To view the status of the deployment job, select **Policy Groups** > **Deployment jobs** in the Policy management folder.

The process takes several minutes to complete.

After the processes are run, the HP SIM service map is created on the HPOM console.

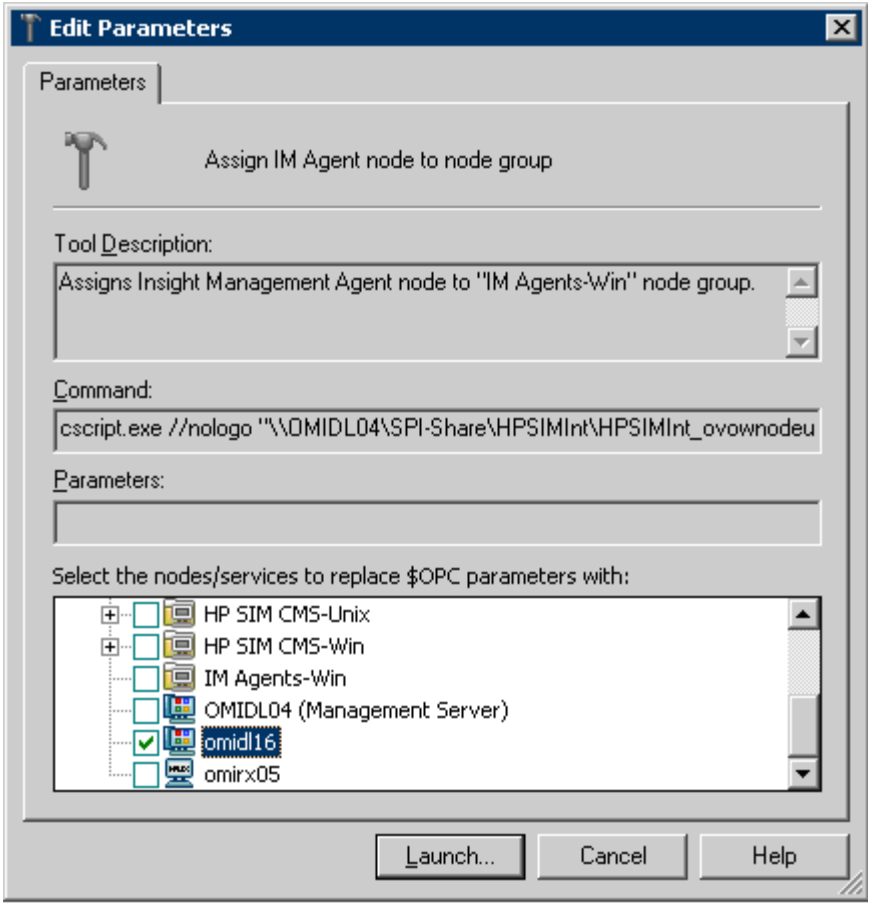


Assigning the Insight Management Agent Node to Node Group

The Assign IM Agent node to node group tool assigns selected nodes to the IM Agents-Win node group and deploys the IM Agents-Win policy groups Service Discovery policies. The IM Agent Service Discovery policy deployment runs the service discovery process. It discovers only those IM Agent services that are running, and deploys the respective service monitoring policies.

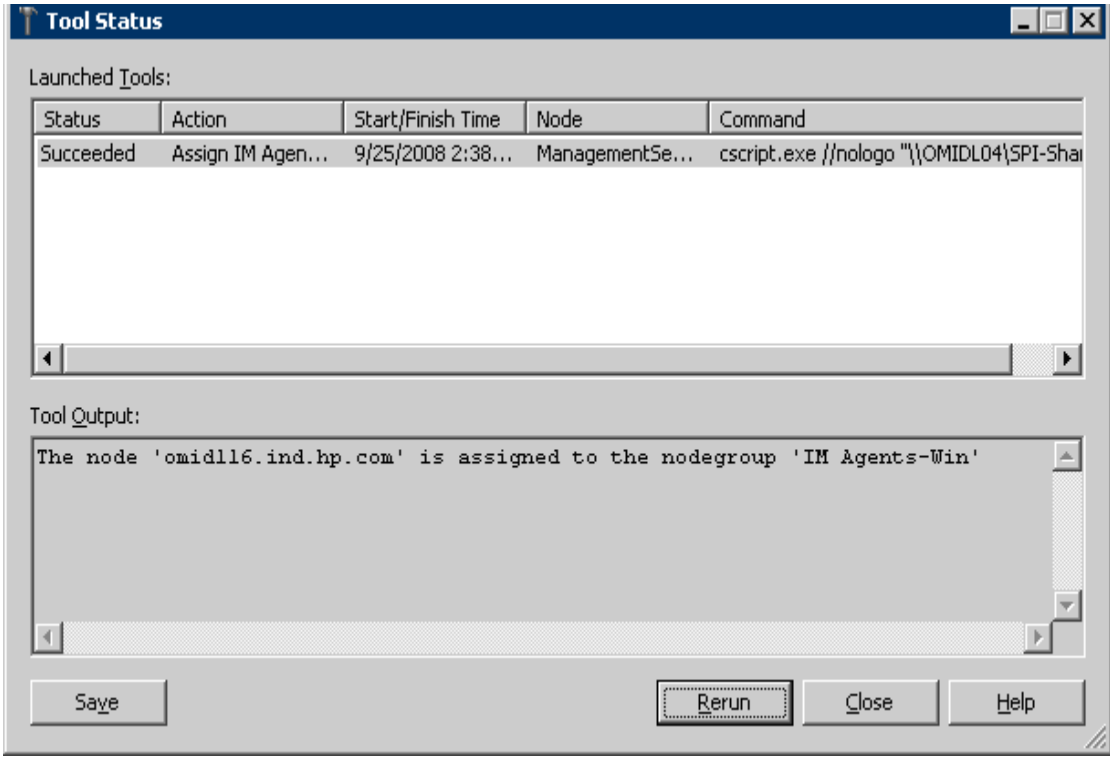
To assign the Insight Management Agent nodes to node group, follow these steps:

1. Select **Tools** > **HP SIM Integration** > **Insight Management Agents**, and right-click **Assign IM Agent node to node group**.
2. Select **All Tasks** > **Launch Tool**. The Edit Parameter window opens.



3 From the **Select the nodes/services to replace $OPC parameters with**, select the node on which IM Agents are running.

4 Click **Launch**. The Tool Status window opens.

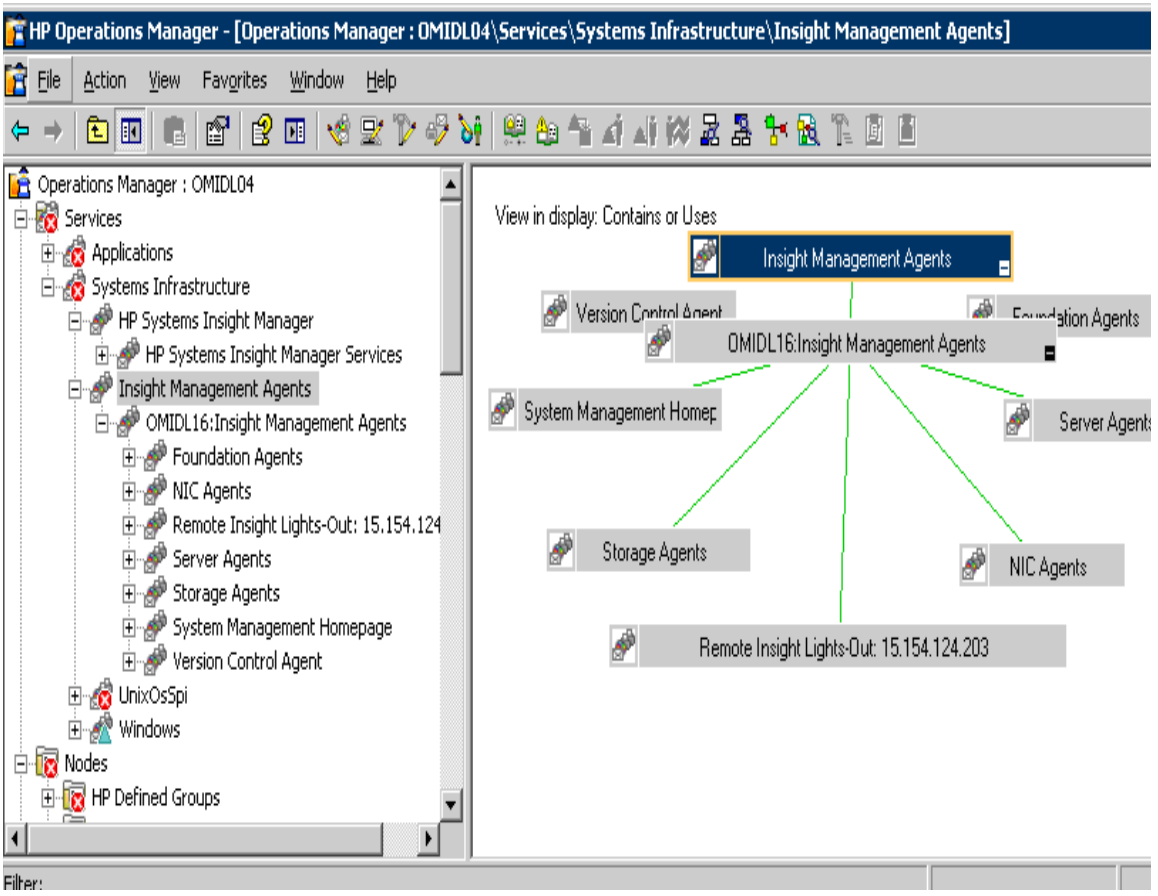


This assigns the IM Agent node to the **IM Agents-Win** node group.

5 To view the status of the deployment job, select **Policy Groups** > **Deployment jobs** in the Policy management folder.

The process takes several minutes to complete.

After the processes are run, the IM Agent service map is created on the HPOM console.



The HP SIM Integration category instrumentation gets auto-deployed with the service discovery policy to IM Agent nodes.

Task 4: Obtain HP SIM Credentials

Many HP SIM Integration tools require HP SIM credentials for execution. To use these features, 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 who has 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.

The Get HP SIM Credentials tool cannot be run from the HPOM Remote Console.

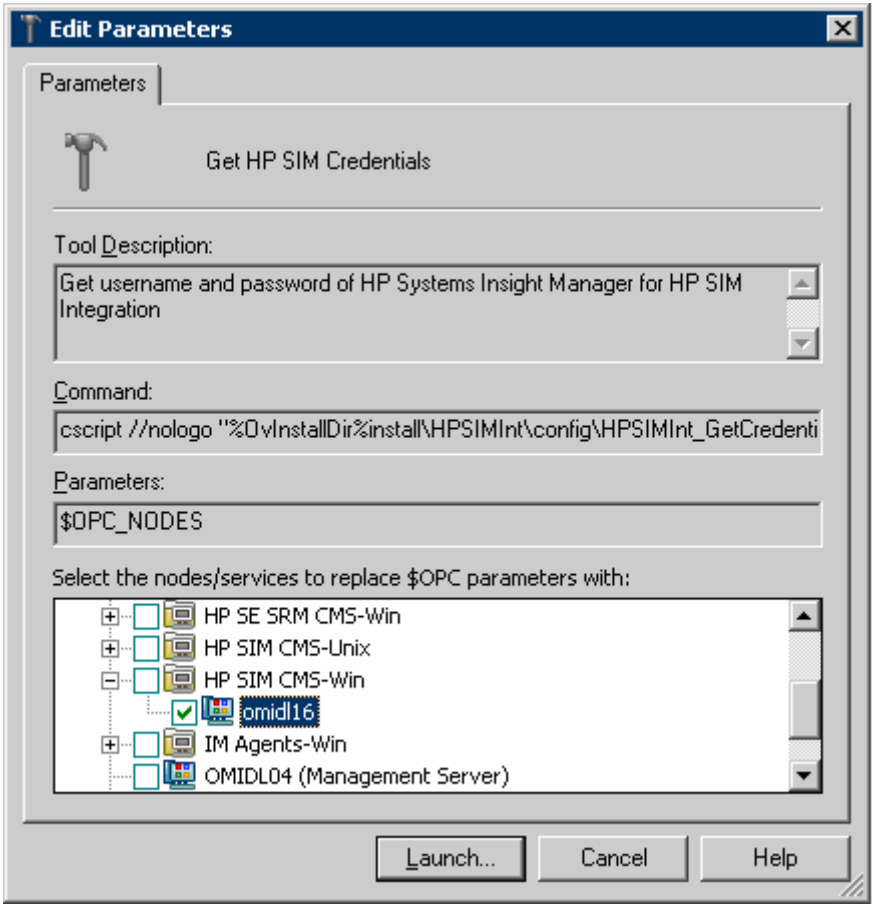
The following HP SIM Integration tools require HP SIM credentials:

- Fwd Cleared Imp Events
- Fwd Imp Events
- Stop Fwding Imp Events
- Stop Fwding Cleared Imp Events
- Remove Query
- Create Events Task
- Remove Events Task
- Execute HP SIM Tool
- Get HP SIM Tool Status
- Add nodes to HP SIM
- Get HP SIM nodes

For more information on functions of HP SIM Integration components, see Using HPSIMInt Tools Group on page 73.

To enter the HP SIM credentials, follow these steps:

1. Select **Tools** > **HP SIM Integration** > **HPSIMInt Utils**, and right-click **Get HP SIM Credentials**.
2. Select **All Tasks** > **Launch Tool**. The Edit Parameters window opens.



3 From the **Select the nodes/services to replace $OPC parameters with**, select the node on which HP SIM CMS is running.

4 Click **Launch**.

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

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

The following message appears if the selected node is HP SIM CMS on UNIX:

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

5 At the prompt, enter the HPSIM user name and press **Enter**.

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

The following message appears at the prompt:

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

6 Enter the corresponding HPSIM password and press **Enter**. The following message appears at the prompt:

```
Done creating hpsimcms.conf file.
Press any key to continue . . .
```

The tool attempts to verify the user name and password. On success, you are prompted to press **Enter** to exit. If the credentials entered are not authenticated by HPSIM, 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 any key to continue . . .
```

7 Press **Enter**. The command prompt window closes.

Event forwarding task creation does not function correctly if the HP SIM credentials 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 5: Configure the HPOM Agent for a Non-Root User on UNIX Systems

For information on configuring the HPOM agent to run as an alternative user, see the *HP OpenView Operations 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 appears:

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

Providing Access to HPSIMInt Tools

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 by adding the following lines:

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

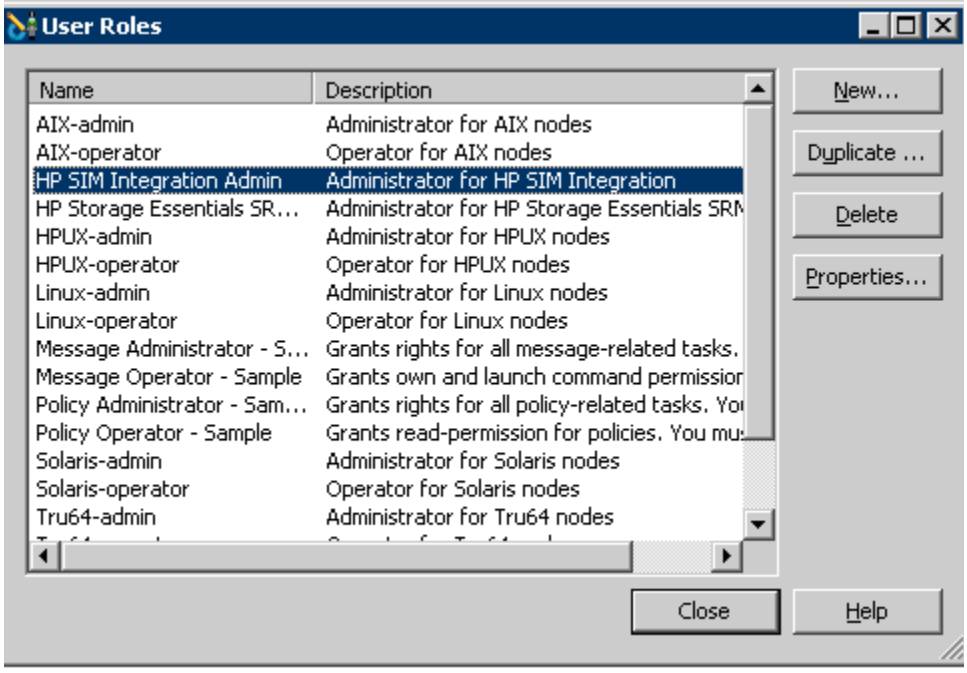
   The following enables a non-root user to start or stop HPSIM services.

   ```
   root:*
   ```

   The following enables a non-root user to run the Get HPSIM Nodes tool, the Add Nodes to HPSIM tool, the Get HPSIM Tool Status tool, and the Get HPSIM Credentials tool.

HPSIMInt User Roles

The installation of HPSIMInt adds an HPSIMInt Admin user role.



The HPOM administrator can assign roles or responsibilities to HPOM users from the **Actions** > **Configure** > **User Roles** window. The users associated with the HPSIMInt Admin user roles have authorization for all the HPSIMInt tools, policies, and HPSIMInt-Systems_Insight_Manager and HPSIMInt-IMAgents message groups automatically assigned to the user. The user can also monitor and manage the HP SIM CMS and IM Agent nodes.

HPSIMInt Admin performs the following functions:

- Accesses all messages with Message Group attributes HPSIMInt-Systems_Insight_Manager and HPSIMInt-IMAgents from any node where HPSIM or IM Agent services are discovered.
- Runs any tool in the HPSIMInt tools groups.

- Updates the HPOM service map, displaying the HPSIM and Insight Management Agents services successfully discovered.

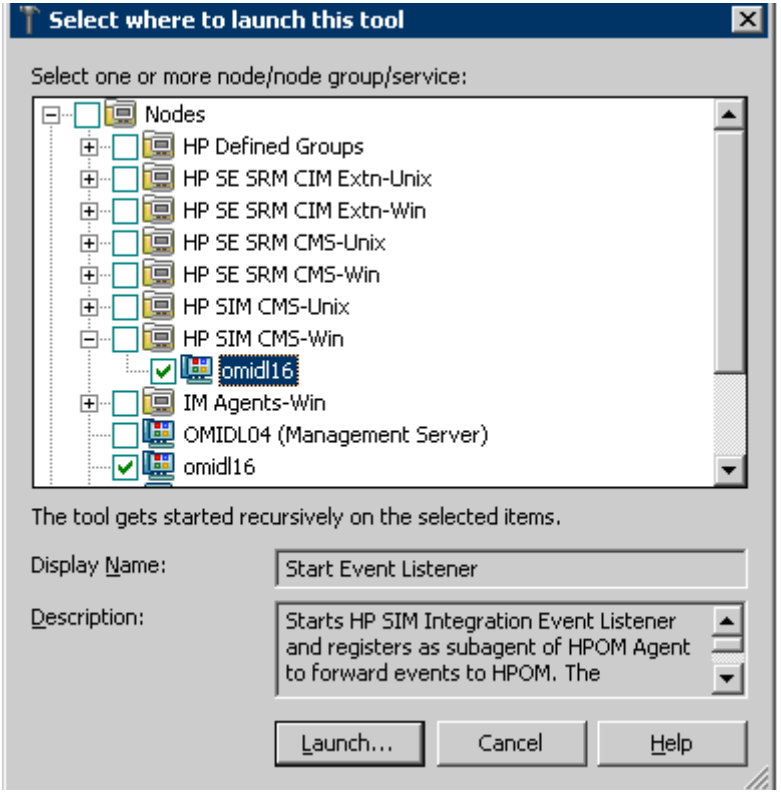
Task 6: Configure HPSIMInt to Forward HPSIM Events

You can also configure a custom collection and task for event forwarding.

Starting Event Listener on Each HP SIM CMS Node

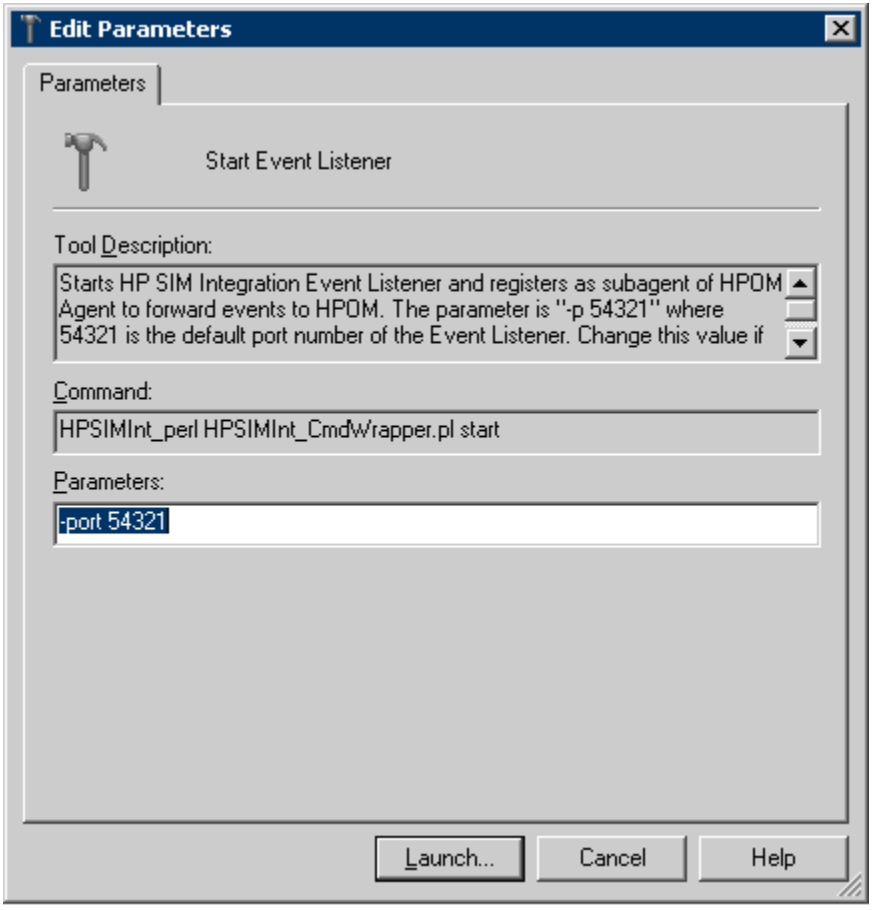
Follow these steps:

1. Launch the **Start Event Listener** tool, which is available in the **HP SIM Integration** > **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix** tool group, depending on the operating system of HP SIM CMS node. The Select where to launch this tool window opens.



2 From the Select Nodes/Services pane, select the HP SIM CMS node in the **HP SIM CMS-Win** or **HP SIM CMS-Unix** node group.

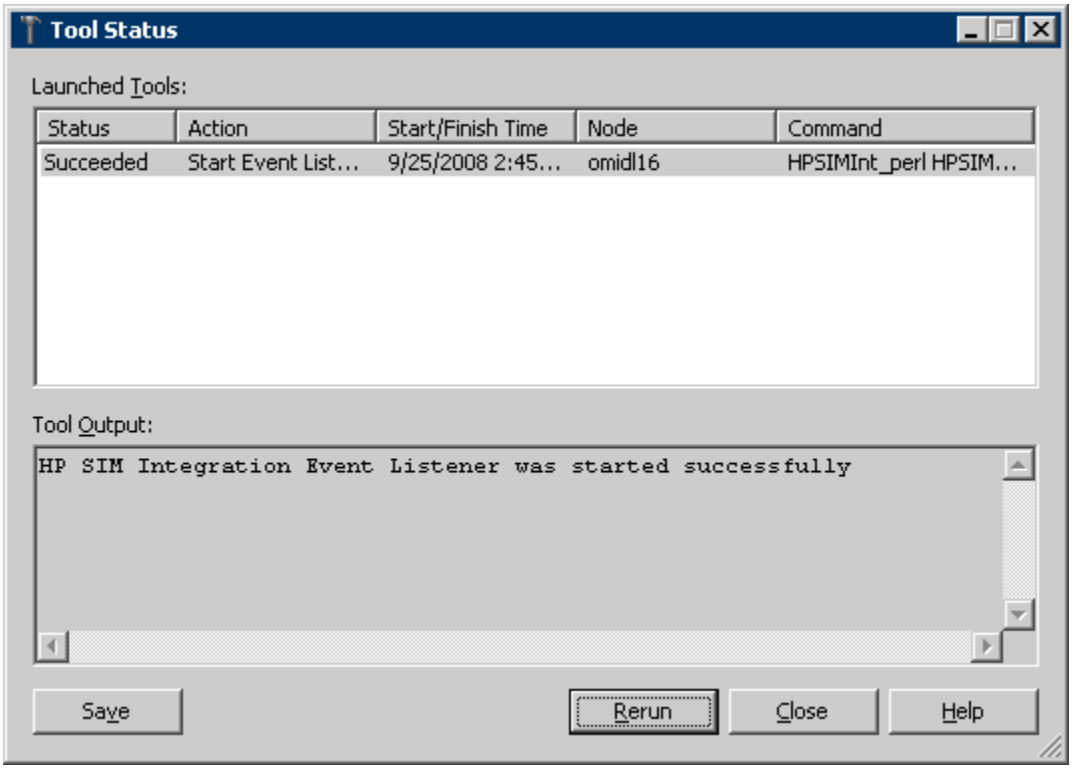
3 Click **Launch**. The Edit Parameters window opens.



4 Enter the port number in the **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.

5 Click **Launch**. The Tool Status window opens.



Configuring Event Forwarding from HPSIM to HPOM–Default

To forward events from HPSIM to HPOM, you must create an event collection and corresponding task on the HP SIM CMS. The default event forwarding task forwards events with Critical and Major severity levels. If the SP SIM and HP SE SRM setup is integrated, the default task will forward events of all severity to the OM.

To configure the default event forwarding, run the Fwd Imp Events tool from the **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix** tools group, depending on the operating system running on the HP SIM CMS node.

The Fwd Imp Events tool create three collections named HPSIMInt_ImportantEvents, HPSIMInt_ApplicationEvents andHPSIMInt_SESRMInfraEvents and three tasks namely HPSIMInt_ImportantEvents,HPSIMInt_ApplicationEvents and HPSIMInt_SESRMInfraEvents.

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:

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.

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

Ensure that the Event Listener is running before you run the Fwd Imp Events tool. To check the status of the Event Listener, use the Status Event Listener tool.

On a HPSIM / 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

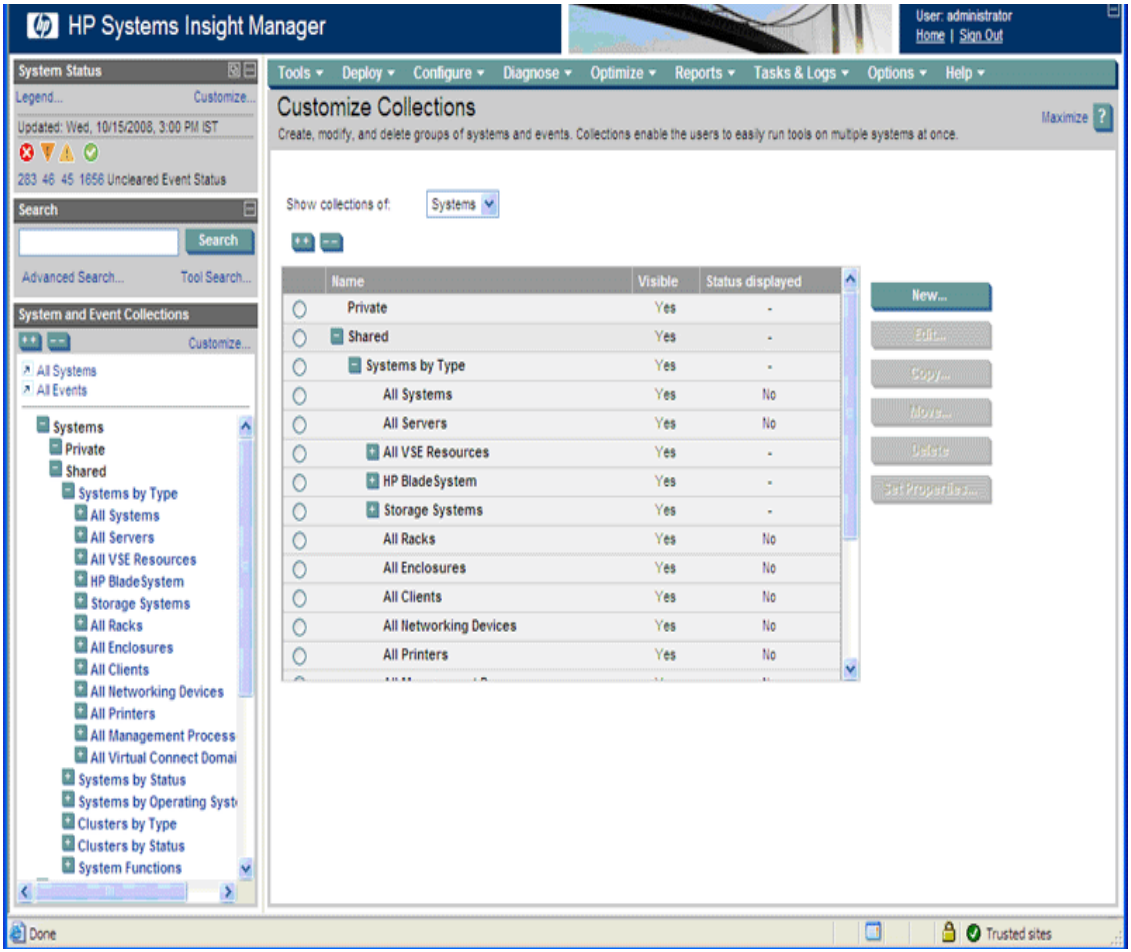
Configuring Event Forwarding from HPSIM to HPOM–Custom

You can create a custom event collection and task in addition to, or instead of, the default event forwarding collection and task.

Creating a user-defined collection and task for event forwarding can result in duplicate copies of HPSIM events being received on the HPOM management server.

To create an event collection through the HPSIM web interface, follow these steps:

1. Create an event collection on HPSIM to select the events to be forwarded to HPOM.
   a. Log on to the HPSIM management server console.
   b. Click **Customize** in the Systems and Events panel. The Customize Collections page opens.



c Select **Events** from the Show collections of list. All available event collections are displayed.

d Click **New**. The New Collection section opens.

e Select **Choose members by attributes**. The New Collection section that selects the members by event attributes opens.

f Enter the criteria of your requirement to forward events to HPOM.

g Click **Save As** to save the collection. The Save Collection As section opens.

h Enter a name for the collection in the **Name** field.

i Select **Private** or **Shared** folder to select the location for saving the collection.

j Click **OK** to save the collection.

For more information, see the *HP SIM User Guide*.

2 Create a task on HPSIM to forward events to HPOM. Follow these steps:

a Launch the Create Events Task tool from the **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix** tool group, depending on the operating system running on the HP SIM CMS node. The **Select Where to Launch this Tool** page opens.

b Select the server to launch the tool.

c If a customized collection was created as mentioned in the steps to create Event collection through the HPSIM web interface , enter the `-q` option followed by the user-defined collection name.

```
Example: -q myEventCollection
```

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

```
Example: -q myEventCollection -t myTask
```

e Click **Launch**.

An HPSIM event forwarding task is created on the HP SIM CMS node with the same name as the collection supplied in the -q parameter if the task name is not specified using the -t option.

Task 7: Configure Bi-Directional Event Acknowledgement/Clearing

When duplicate message supression is enabled on the management server, the HP SIM integration requires the **"Keep latest message text and severity"** criteria to be selected for Bidirectional event acknowledgement for duplicate events to work correctly. Please refer to the HPOM guide for more details on Configuring HPOM server for message suppression.

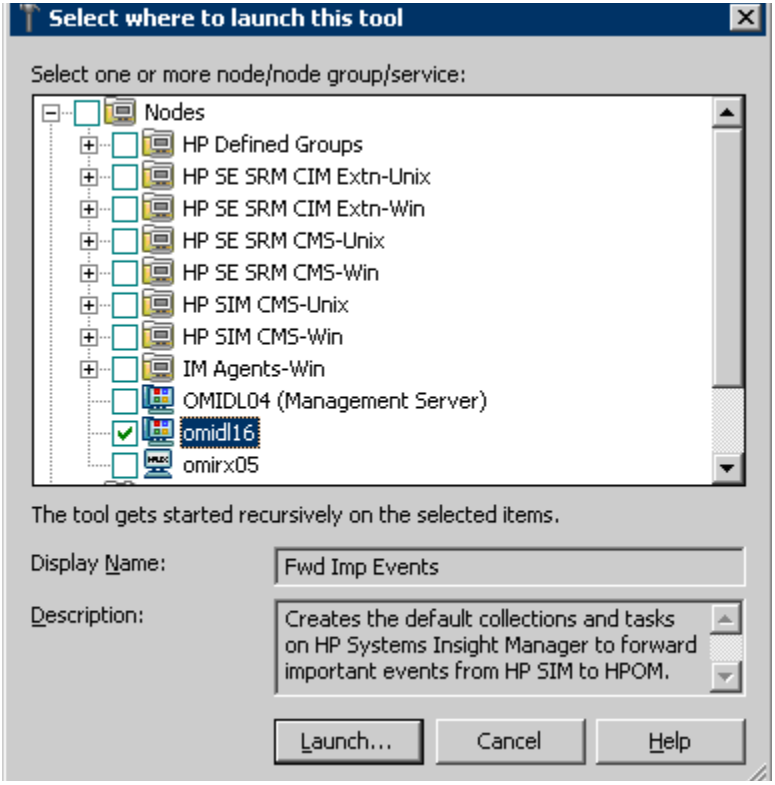
Configuring Event Acknowledgement from HPSIM to HPOM–Default

HPSIMInt can be (optionally) configured to automatically acknowledge the forwarded HPSIM event on HPOM when the corresponding event is cleared through the HPSIM web interface.

This step creates an event collection and task to select the cleared events on HPSIM that correspond to the events displayed through HPSIMInt_ImportantEvents collection and forward the cleared events to the HPSIMInt Event Listener.

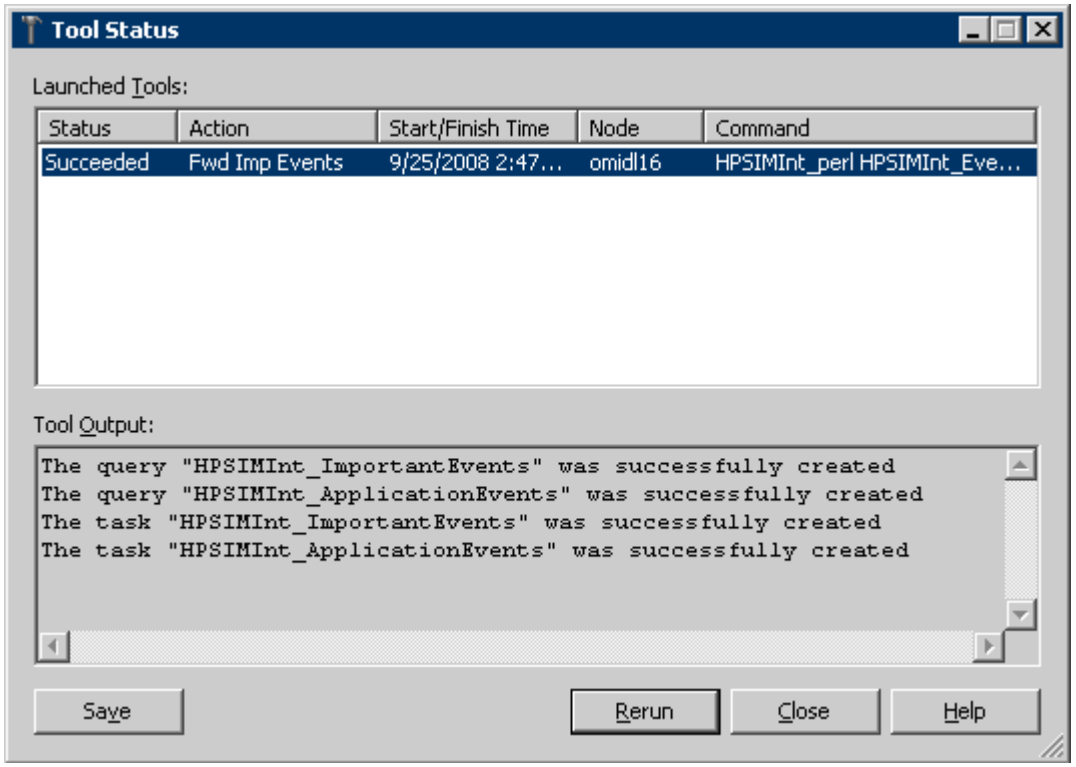
If the HPSIM event forwarding was configured using the Fwd Imp Events tool, complete the following steps to configure event acknowledgement:

1. Launch Fwd Cleared Imp Events from the **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix** tool group, depending on the operating system running on the HP SIM CMS node. The Select where to launch this tool window opens.



2 Select the HP SIM CMS node from the HP SIM CMS node group.

3 Click **Launch**. The Tool Status window opens.



This tool adds the collection HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents to the existing event collections on the HP SIM CMS.

It also creates tasks HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents and HPSIMInt_ClearedSESRMInfraEvents on the HP SIM CMS.

These tasks forward events cleared on HPSIM to the Event Listener for acknowledging these 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 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 all the cleared events belonging to the following event categories:

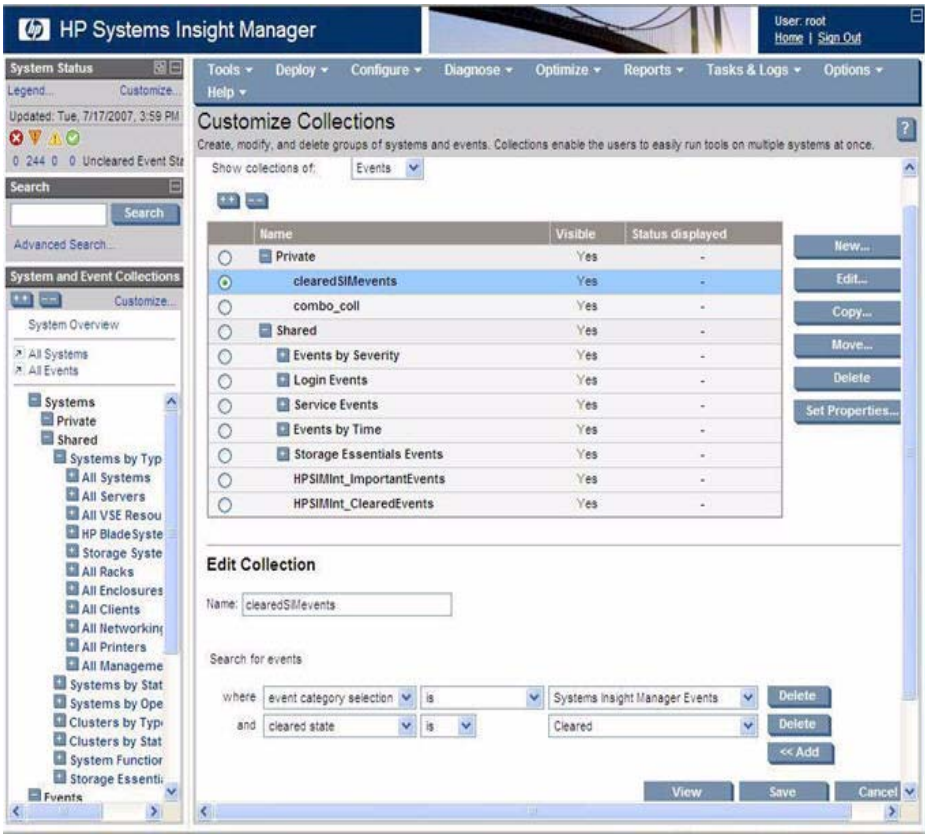
- Systems Insight Manager Events
- Proliant Application Events
- Proliant System and Environmental Events
- Storage Essentials Connector
- Storage Essentials Device Event
- Storage Essentials Agent
- Storage Essentials file system view

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

Configuring Event Acknowledgement from HPSIM to HPOM–Custom

If you configured a user-defined collection and task to forward HPSIM events to HPOM, you must create a second collection with the same selection criteria as the original user-defined collection to acknowledge these events.

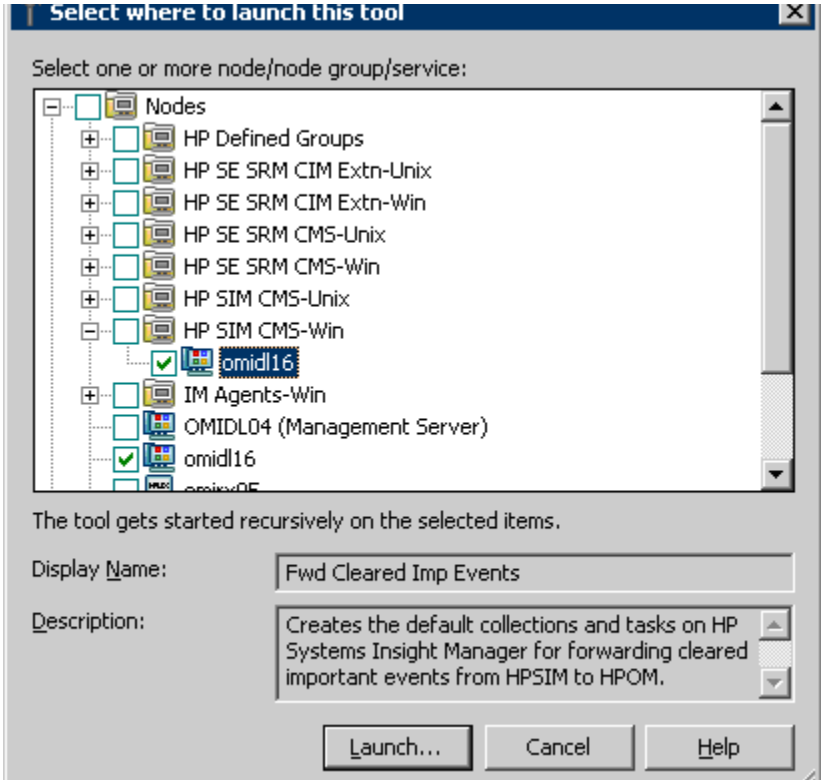
Under Search for events, select the criteria **cleared state is Cleared**, as shown in the following figure.



See the *HP SIM User Guide* for more information.

To create an events task on HPSIM to forward cleared events to HPOM, follow these steps:

1. Launch Create Events Task from **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix,** depending on the operating system running on the HP SIM CMS node.
2. Select **All Tasks** > **Launch Tool**. The Select where to launch this tool window opens.



3 Select the HP SIM CMS node from the HP SIM CMS node group.

4 Click **Launch**. The Tools Status window opens.

5 In the Additional Parameters field, replace the –q parameter with the user-defined cleared events custom collection name you created on the HPSIM web interface.

If the -t parameter is not supplied, an event forwarding task is created with the same name as the event collection supplied in the -q parameter. The task forwards events cleared on HPSIM to the Event Listener for acknowledging these events on the HPOM message browser.

To create a specific task name, enter the -t option followed by the desired task name; for example:

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

The task name in the Create Events Task tool must start with an alphabet character. The other characters supported for the task name are space, hyphen, and underscore.

Configuring Event Clearing from HPOM to HPSIM

HPSIMInt can be configured to automatically clear an event on the HP SIM CMS if the corresponding event is acknowledged in the HPOM message browser. For this functionality, the policies in the policy group **HP SIM Integration** > **HP SIM Event Acknowledging** are deployed to the HPOM management server while installing HPSIMInt. The policies are:

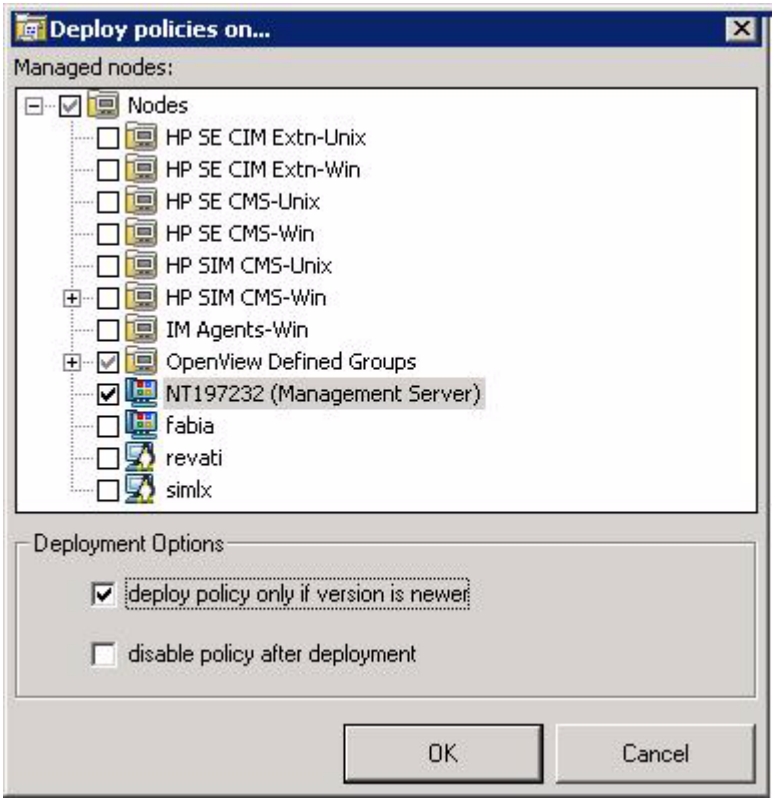
- HPSIMInt-HPSIM_ClearEvents
- HPSIMInt-HPSIM_Auto_Acknowledge
- HPSIMInt-HPSIM_DupEvent_Acknowledge

To verify whether the polices are deployed on the HPOM console, follow these steps:

1. Right-click the HPOM node.
2. Select **View** > **Policy Inventory** and look for the presence of the above listed policies.

   If the policies are not deployed to HPOM, follow these steps:

3. Select **Policy Groups** > **HP SIM Integration** and right-click **HP SIM Event Acknowledging**.
4. Select **All Tasks** > **Deploy on**. The Deploy policies on window opens.



5 Select the HPOM server node.

6 Clear **deploy policy only if version is newer** option.

7 Click **OK**.

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

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 OM.

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

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.

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 OM will be acknowledged automatically.

Task 8: Reconfigure HPSIMInt to Forward HPSIM Events

You can reconfigure HPSIM event forwarding to change the Event Listener port. If you configured event forwarding previously, check for the default HPSIMInt tasks and collections in HPSIM. If they exist, they must be deleted before proceeding with reconfiguration.

To delete tasks and collections existing in HPSIM, follow these steps:

1. Delete all the tasks for forwarding events including those for cleared events. For more information, see Deleting the HPSIMInt Event Forwarding Tasks and Collections on page 91.
2. Stop the HPSIMInt Event Listener, using the **Stop Event Listener** tool from the **HP System Insight Manager-Win** *or* **HP System Insight Manager-Unix** tool group, depending on the operating system running on the HP SIM CMS node.

   Alternatively you can delete tasks and collections using HP SIM CLI. For more information on HP SIM CLI commands, see the *HP SIM User Guide*.

3. To start the HPSIMInt Event Listener on a different port and add the event forwarding collection and task, see Task 6: Configure HPSIMInt to Forward HPSIM Events on page 42.

   In many cases, if the HPSIM collection and task are correctly set up, after an HPOM agent or an HPSIMInt reinstallation, you only need to run the Start Event Listener tool for events to be forwarded to HPOM.

–

Task 9: Reconfigure HPSIM CMS Credentials for HPSIMInt

Follow these steps:

1. Stop the HPSIMInt Event Listener.
2. Enter the new HP SIM CMS credentials.

   For more information, see Task 4: Obtain HP SIM Credentials on page 36.
3. Start **HP SIM Integration Event Listener** and add the event forwarding collection and task, see Task 6: Configure HPSIMInt to Forward HPSIM Events on page 42

When it is necessary to reconfigure the HP SIM credentials on a node, all event forwarding tasks must be subsequently removed and recreated on the node for the HPSIM tasks to contain the correct credentials. For more information, see Task 8: Reconfigure HPSIMInt to Forward HPSIM Events on page 58.

The credentials are used by HPSIMInt when the Event Listener clears the event on HPSIM when acknowledged on HPOM.

The following tools require HPSIM credentials:

- Fwd Cleared Imp Events
- Fwd Imp Events
- Stop Fwding Imp Events
- Stop Fwding Cleared Imp Events
- Remove Query
- Create Events Task
- Remove Events Task
- Execute HP SIM Tool
- Get HP SIM Tool Status
- Add nodes to HP SIM
- Get HP SIM Nodes

4 Using HPSIM Integration

HPSIMInt provides policies that enable you to configure event forwarding from HPSIM to HPOM. HPSIM events are received by the HPSIMInt Event Listener process on the HPSIM CMS node, and forwarded to HP OM through the HPOM agent. The events that are received by the HPSIMInt Event Listener are determined by the event collections and tasks that are configured, and are prioritized and assigned an HPOM severity level.

By default, the messages generated by the HPSIMInt policies belong to the HPSIMInt-Systems_Insight_Manager or HPSESRMSPI-StorageEssentials_SRM message group. Additionally, the monitor policies monitor the status of the HPSIM service running on the HPSIM CMS server and the IM Agent services running on the managed nodes and generate messages to indicate any change in status. Message policies handle messages forwarded from HPSIM. Trap policies define the interpretation of SNMP traps from the IM Agent nodes.

The HPSIMInt Service Discovery policies discover the following services:

- HPSIM
- Insight Management Agents

The HPSIM Event Acknowledging policy group contains policies that, when deployed on the HPOM, handle event clearing or acknowledging between HPSIM and HPOM.

Using HPSIMInt Policies

All policies provided with HPSIMInt are grouped under the HPSIMInt policy group. HPSIMInt provides a set of pre-configured policies for HPSIM and IM Agent nodes. These policies enable you to monitor the status of the services running on these nodes.

The HPSIMInt installation creates the following high-level policy groups:

- HP SIM CMS-Unix
- HP SIM CMS-Win
- HP SIM Event Acknowledging
- IM Agents-Win

For more information on the pre-configured policies provided by HPSIMInt, see Appendix A, HPSIM Integration Policy Groups.

Using HPSIMInt Message Groups

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

All messages generated by HPSIMInt are grouped into any of the following message groups.

Table 9 List of message groups

Message Group	Description
HPSIMInt-IMAgents	HP SIM Integration messages for IM Agents
HPSIMInt-Systems_Insight_Manager	HP SIM Integration messages for HP SIM

Using HPSIMInt Messages

All events generated by HPSIMInt are grouped into the HPSIMInt-IMAgents message group or the HPSIMInt-Systems_Insight_Manager message group. The messages generated by HPSIMInt policies appear in the message browser window and contain information that is vital for troubleshooting any problems being reported.

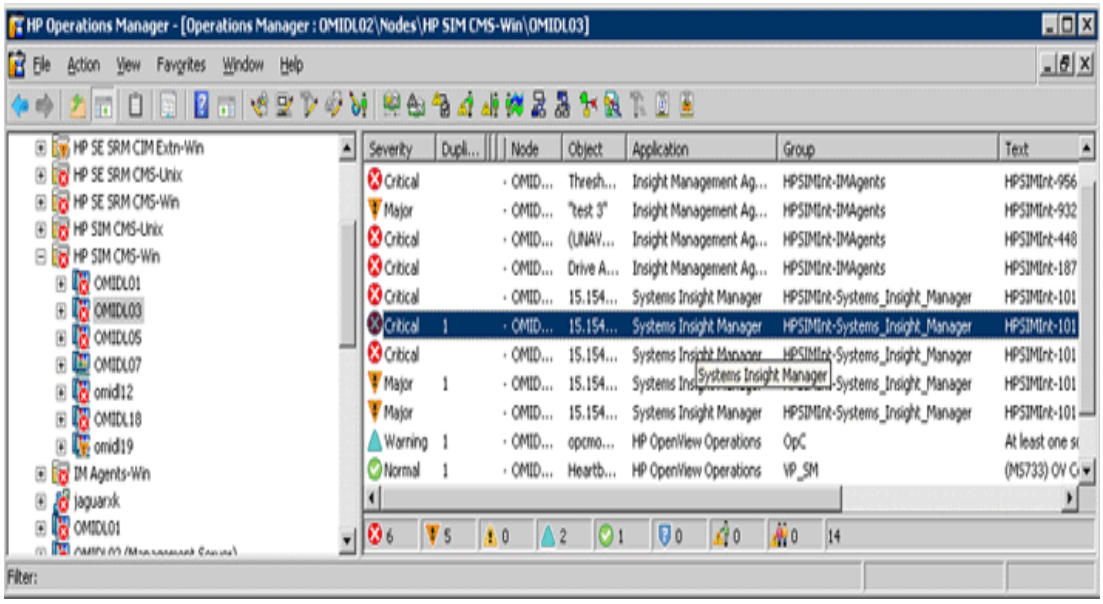
The following mappings of HPSIM event severities to HPOM event severities are performed by HPSIMInt.

Table 10 List of mappings from HPSIM event severities to HPOM event severities

HPSIM Severity Level	HPOM Message Severity Level	HPSIMInt 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.
Warning	Warning	A problem has been detected that must be corrected. This condition may escalate to a more severe condition.
Informational	Warning	A notable event has occurred, one without any obvious detrimental effects. This is purely an information event.
Normal	Normal	This event communicates information regarding normal operation.
Unknown	Normal	

Events with a severity of Normal are redirected to the HPOM acknowledged message browser in the HPSIMInt-HPSIM_Events policy.

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



The message content indicates the scope of the problem. The columns provide the following information:

- **Severity** – Specifies the severity of the message. The severities reported are normal, warning, minor, major and critical. By default, normal severity messages are redirected to the acknowledged message browser.
- **Node** – Name of the node that generates the message. If the message is forwarded from an HP SIM CMS, then it is the HP SIM server node name. If the message is generated by an IM Agent trap, then it is the IM Agent node name.
- **Application** – Systems Insight Manager
- **Object** – The system name of the event source.
- **Text** – A single line description of the event.

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

- **Message Group** – Values for messages generated by HPSIMInt; for example, HPSIMInt-IMAgents, HPSIMInt-Systems_Insight_Manager.

$OPTION (variable) – The event listener uses the -option switch in the opcmsg call to pass additional HPSIM event fields to HPOM. $OPTION(EventType) contains the HPSIM event type string. $OPTION(probableCause) contains the HPSIM event probable cause string. These fields are used in the HPSIMInt-HPSIM_Events policies.

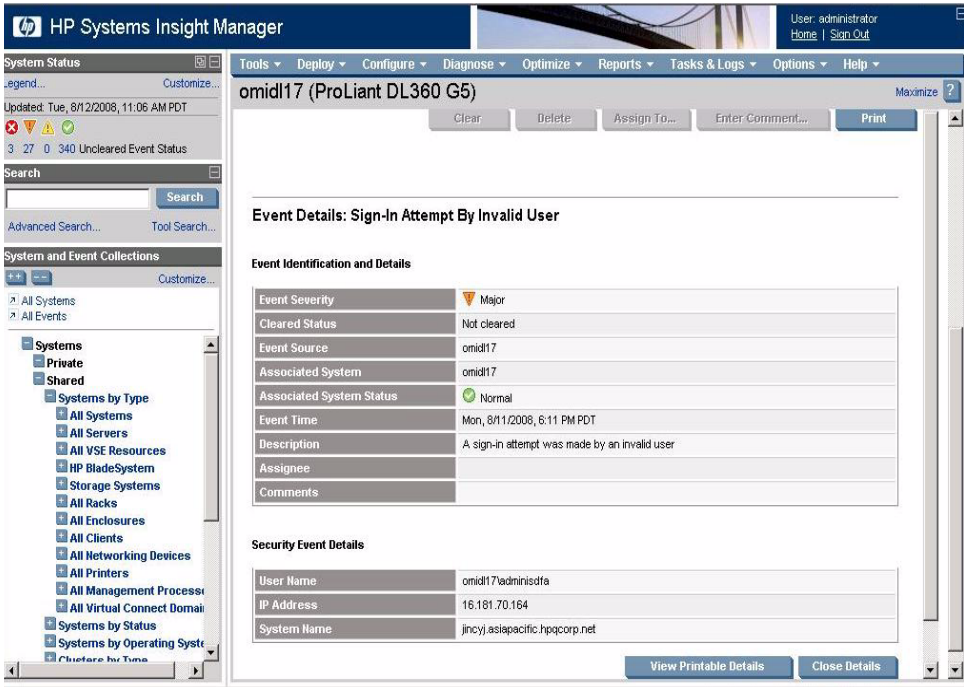
Launching the HPSIM Web Portal from the Message Browser

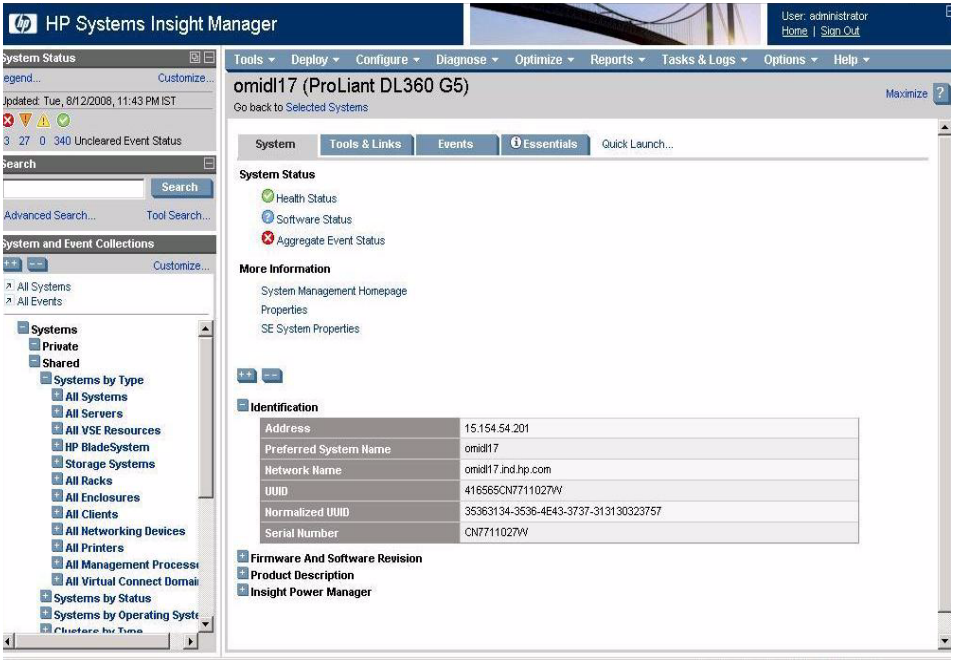
Each message forwarded to the HPOM message browser from HPSIM contains an Operator Action to launch into the HPSIM web interface. It launches in the context of the device that the HPSIM event references. This allows the HPOM operator to determine the cause of the problem and perform corrective tasks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

To launch the HPSIM 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. If the version is HPSIM 5.1, then the HPSIM Selected Systems page lists the device reporting the event. On clicking on the system name, the HPSIM System page displays the device. Click on the Events Tab to view all the events. If the version is HPSIM 5.2, then the **Operator-Initiated Action** from a message, launches the event details page.

The behaviours in both the versions 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


HP Systems Insight Manager
User: administrator
Home | Sign Out
System Status
Customize...
Updated: Tue, 8/12/2008, 11:43 PM IST
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
All Management Processe
All Virtual Connect Domai
Systems by Status
Systems by Operating Syste
Tools
Deploy
Configure
Diagnose
Optimize
Reports
Tasks & Logs
Options
Help
omidl17 (ProLiant DL360 G5)
Go back to Selected Systems
Maximize
System
Tools & Links
Events
Essentials
Quick Launch...
System Status
Health Status
Software Status
Aggregate Event Status
More Information
System Management Homepage
Properties
SE System Properties
Identification
Address 15.154.54.201
Preferred System Name omidl17
Network Name omidl17.ind.hp.com
UUID 416565CN7711027W
Normalized UUID 35363134-3536-4E43-3737-313130323757
Serial Number CN7711027W
Firmware And Software Revision
Product Description
Insight Power Manager

Using the HPSIMInt Service Map

HPSIMInt provides the administrator with the additional perspective of the following service maps.

HPSIM Service Map

HPSIMInt includes tools to discover the HPSIM service on a node and uses the discovered data to generate service maps that can be viewed by the administrator from the HPOM Console. Task 3: Assign HP SIM CMS Nodes to a Node Group on page 29 shows the HPSIM services view discovered by HPSIMInt tools and policies. When the listener starts, the service map displays the HPSIM CMS managed nodes.

The service maps display up to the SIM CMS managed nodes. This can be viewed once the getCredentials are given and the eventListener tool is running.

If the service map does not appear , ensure that the Event Listener is running and run the discover HP SIM CMS tool. To check the status of the Event Listener, use the Status Event Listener tool.

The services discovered by HPSIMInt facilitate root-cause analysis of HPSIM service problems. The HPSIMInt monitor policy enables the HPSIM service maps to allow monitoring of the availability of the HP SIM management server service. The HPSIMInt service discovery policies discover the HPSIM service.

Insight Management Agents Service Map

HPSIMInt includes tools to discover the Insight Management Agent services on a node. It also includes policies 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. Assigning the Insight Management Agent Node to Node Group on page 32 shows the Insight Management Agent service on the Service Map GUI view discovered by HPSIMInt. The HPSIMInt service discovery policies discover the following IM Agents services:

- Foundation agents

- NIC agents
- Server agents
- Storage agents
- System Management Home page Agent
- Version control agent
- Insight Lights-Out (iLO)

iLO is an optional feature. It is discovered only if it is present on the system. The server node must have an optional iLo board in order for this service to be present.

The services discovered by HPSIMInt facilitate root-cause analysis of problems in crucial elements of the HPSIM service and 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 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.

Viewing Services

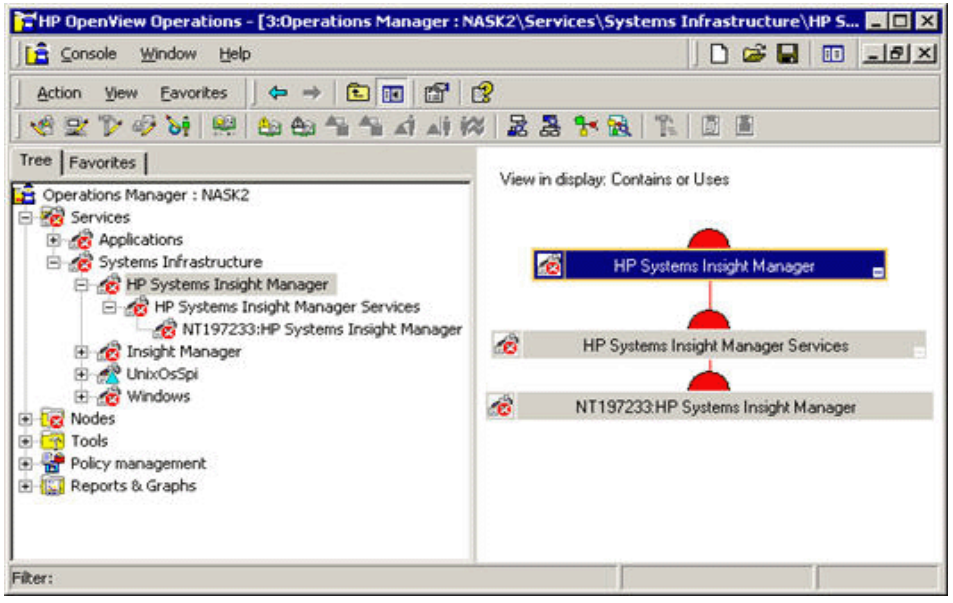
The service maps are created a few minutes after Service Discovery is configured. To view the discovered services, click **Services** on the HPOM Management Console and select the appropriate service.

By default, the services are discovered by HPOM once every day at 02:00 am. You can change the service discovery period by modifying the service discovery policy. The changed discovery period comes into effect only after the policies are redeployed on the HPSIM node.

Viewing HPSIM CMS Services on the Service Map

When the service discovery policy is run, you can view the discovered services graphically represented within the HPOM service map.

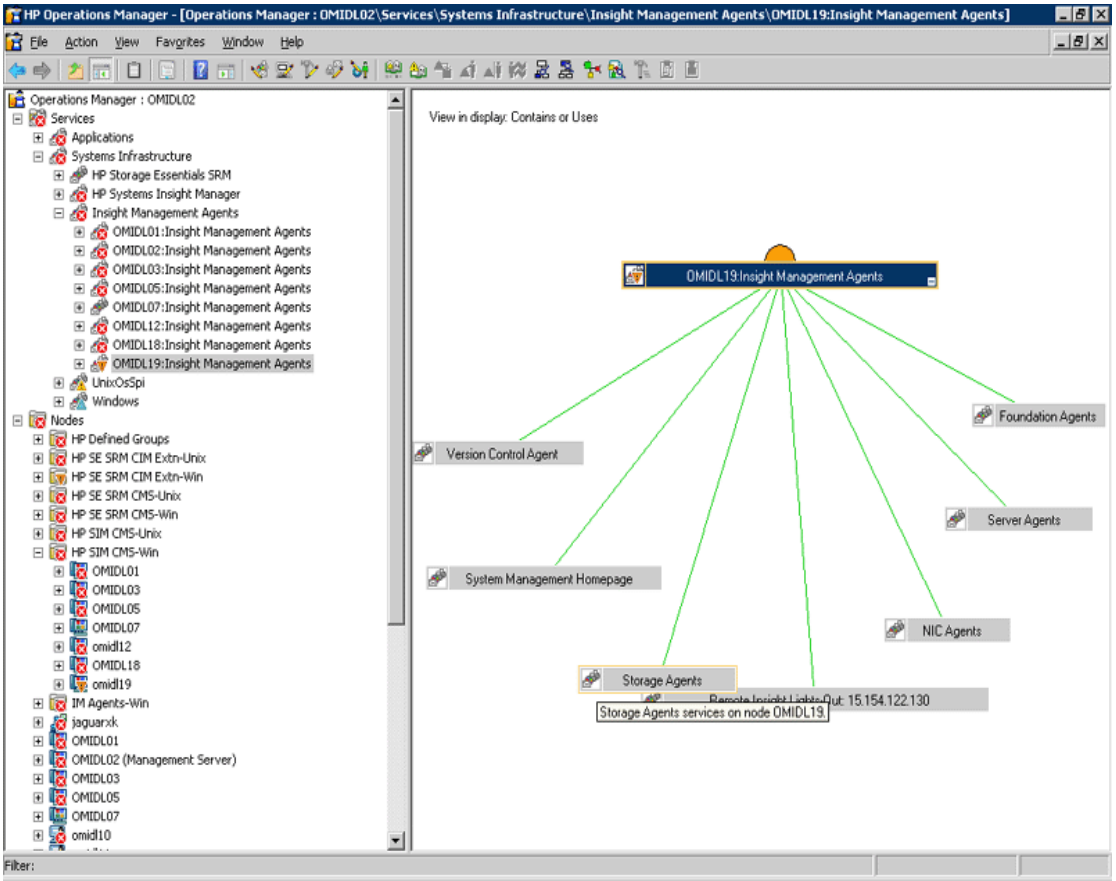
To view the service map of HP SIM services, select **Services** > **System Infrastructure** on the left pane of the HPOM console. The HP SIM service map is displayed in the right pane.



Viewing IM Agent Services on the Service Map

When the service discovery policy is run, you can view the discovered services graphically represented within the HPOM service map.

To view the service map of IM Agent services, select **Services** > **System Infrastructure** on the left pane of the HPOM console. The Insight Manager service map is displayed on the right pane.



Using HPSIMInt Tools Group

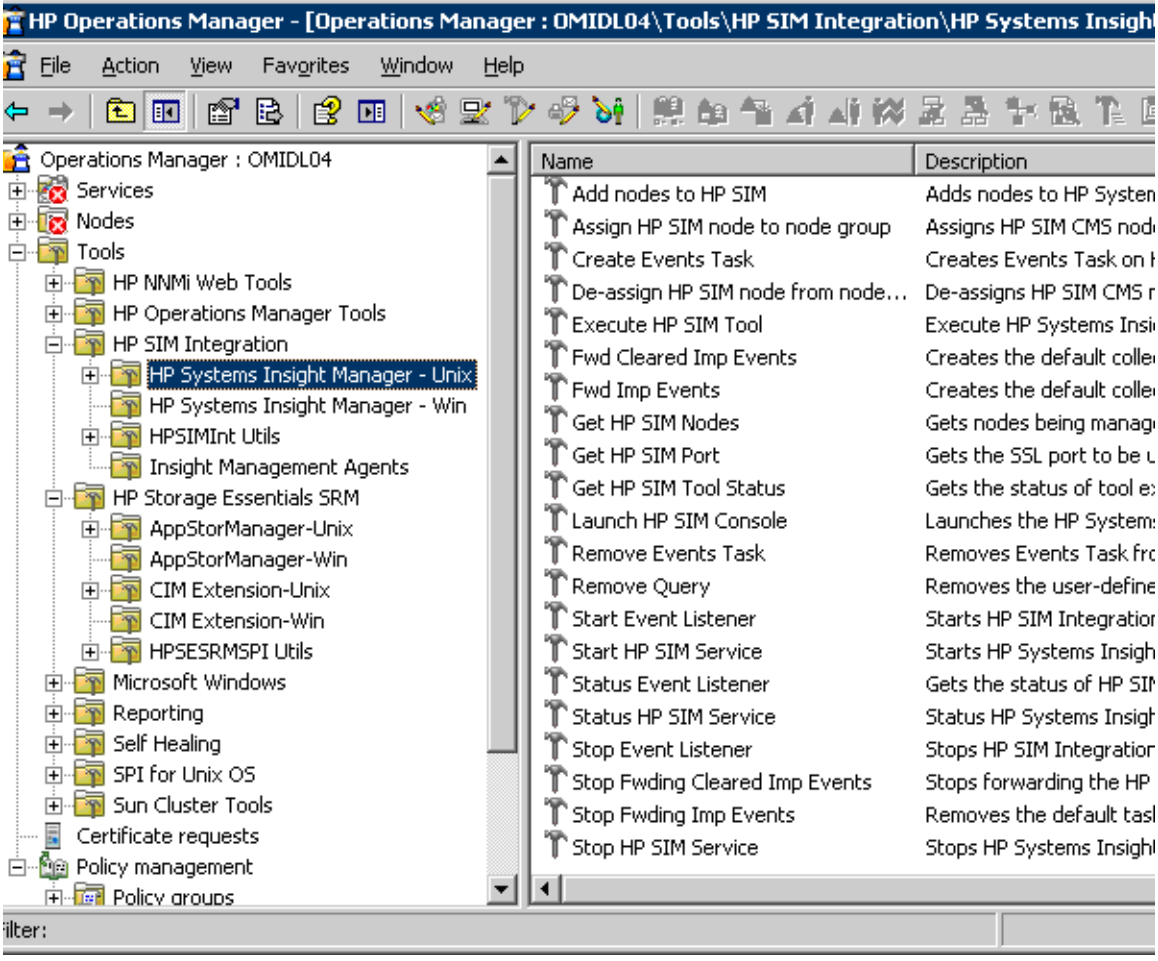
HPSIMInt adds the top-level tools group HPSIMInt on the HPOM management server. The HPSIMInt tools group consists of the following tool groups:

- HP System Insight Manager-Unix
- HP System Insight Manager-Win
- HPSIMInt Utils
- Insight Management Agents

The **HP System Insight Manager-Unix** *or* **HP System Insight Manager-Win** tools group includes tools that are run on HP SIM CMS nodes (UNIX or Windows).

Using the HP SIM-Unix Tools Group

This group contains tools for monitoring and configuring the HP SIM CMS on a UNIX node, as the following figure shows.



The HP SIM-Unix tools group includes the following tools.

Table 11 List of tools in HP SIM-Unix tools group

Tool Name	Description	Parameters
Add nodes to HPSIM	Adds nodes to the HPSIM server	The list of host names to be managed by HPSIM. 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.
Assign HPSIM node to node group	Assigns HP SIM CMS node to \"HP SIM CMS-Unix\" node group.	
De-assign HPSIM node from node group	De-assigns the HP SIM CMS node from the HP SIM CMS-Unix node group.	

Tool Name	Description	Parameters
Create Events Task	Creates Events Task on HPSIM to forward events to the Event Listener	To forward events to the Event Listener: **—q <queryname>** Replace <queryname> with the name of the HPSIM collection that the task must use to select the HPSIM events. The collection name must be the name of an existing collection that was manually created, as described in the Configuring Event Forwarding from HPSIM to HPOM–Custom on page 45. The collection name itself is used as the task name if 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.

Tool Name	Description	Parameters
Execute HP SIM Tool	Execute HP SIM 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 tool. **WAIT** With the WAIT parameter, the Execute HP SIM Tool tool 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 tool, to retrieve the status of the HP SIM tool execution.

Tool Name	Description	Parameters
		Second parameter Lists HP SIM managed host names where the tool is executed. The names must be separated by a blank space or a semicolon (`;`). The list of parameters must be enclosed within double quotation marks (`""`). **Third parameter** The HP SIM tool to be executed. **Fourth parameter** (*optional*) One or more parameters required by the tool must be specified. A blank space or a semicolon (`;`) must be used to separate them. The list of parameters must be enclosed within double quotation marks (`""`).
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 HPSIM Nodes	Gets nodes being managed by the HPSIM server	
Get HPSIM Port	Gets the SSL port to be used by other HPSIM tools to communicate to the HPSIM server.	

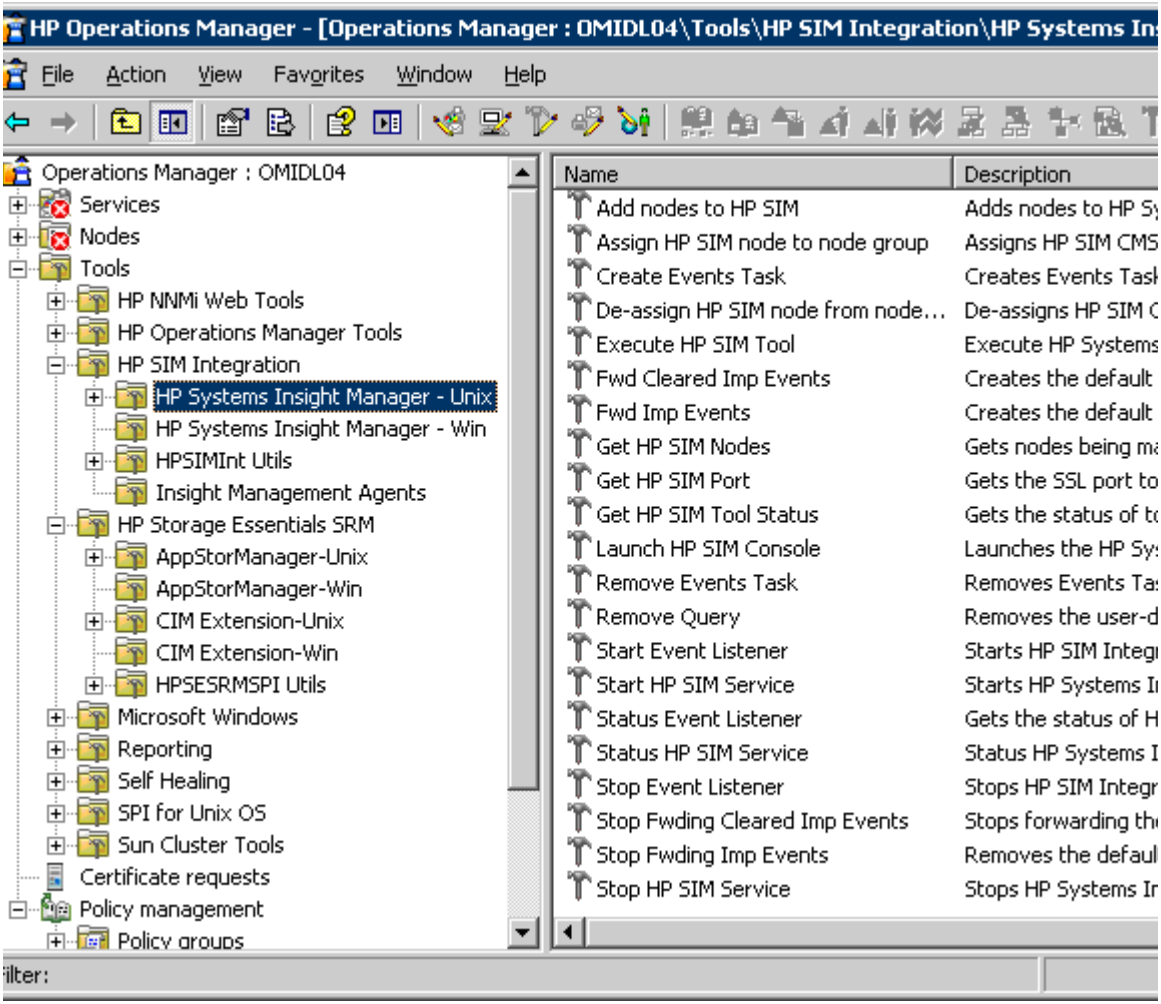
Tool Name	Description	Parameters
Get HPSIM Tool Status	Gets the status of tool execution on HPSIM managed nodes.	The JOB ID of the task whose status is being queried. The JOB ID is returned by the Execute HPSIM Tool.
Launch HPSIM Console	Launches the HPSIM console.	Select the HPSIM CMS node whose web interface you want to launch and run this tool. You can optionally specify additional parameters to open the System page or Tool page for the required HPSIM managed node(s). The Launch HPSIM Console tool must be run on one node at a time. **Additional Parameters** (*optional*) **First parameter** (*optional*) System name of HPSIM managed node(s) whose system page you want to launch. You can only launch one system page. **Second Parameter** (*optional*) <tool name> Tool name to launch the HPSIM Console to the tools page for the managed node(s) specified in the first parameter. Examples: — hpsimnode1.domain.com — hpsimnode2.domain.com mytoolname

Tool Name	Description	Parameters
Remove Events Task	Removes Events Task from HPSIM 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 HPSIM that the user wants to delete.
Remove Query	Removes the user-defined event collection from HPSIM.	Replace **Additional Parameter <UserDefinedQuery>** with the name of the event collection to be deleted that displays on the Systems and Events pane of HPSIM. Before running this tool, ensure that any HPSIM task that references this event collection is deleted (see Remove Events Task on page 80).
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 **-p <portNumber>**, where 54321 is the default port number of the Event Listener. Change this value if TCP port 54321 is not available.
Start HPSIM Service	Starts HPSIM Service.	None
Status Event Listener	Gets the status of the HPSIMInt Event Listener that forwards events to HPOM.	None
Status HPSIM Service	Gets the status of the HPSIM Service.	None

Tool Name	Description	Parameters
Stop Event Listener	Stops the HPSIMInt Event Listener and unregisters as subagent of HPOM Agent, to stop forwarding events to HPOM.	If the Event Listener is stopped, the HPSIM event forwarding task should be removed.
Stop Fwding Cleared Imp Events	Stops forwarding the HPSIM cleared important events to HPOM, by removing the task \"HPSIMInt_ClearedEvents\" and the collection \"HPSIMInt_ClearedEvents\" on HPSIM.	None
Stop HPSIM Service	Stops HPSIM Service.	None

Using the HP System Insight Manager-Win Tools Group

This group contains tools for monitoring and configuring the HP SIM CMS on a Windows node. The following figure shows the HP System Insight Manager-Win tools group.



The HP System Insight Manager-Win tools group includes the following tools.

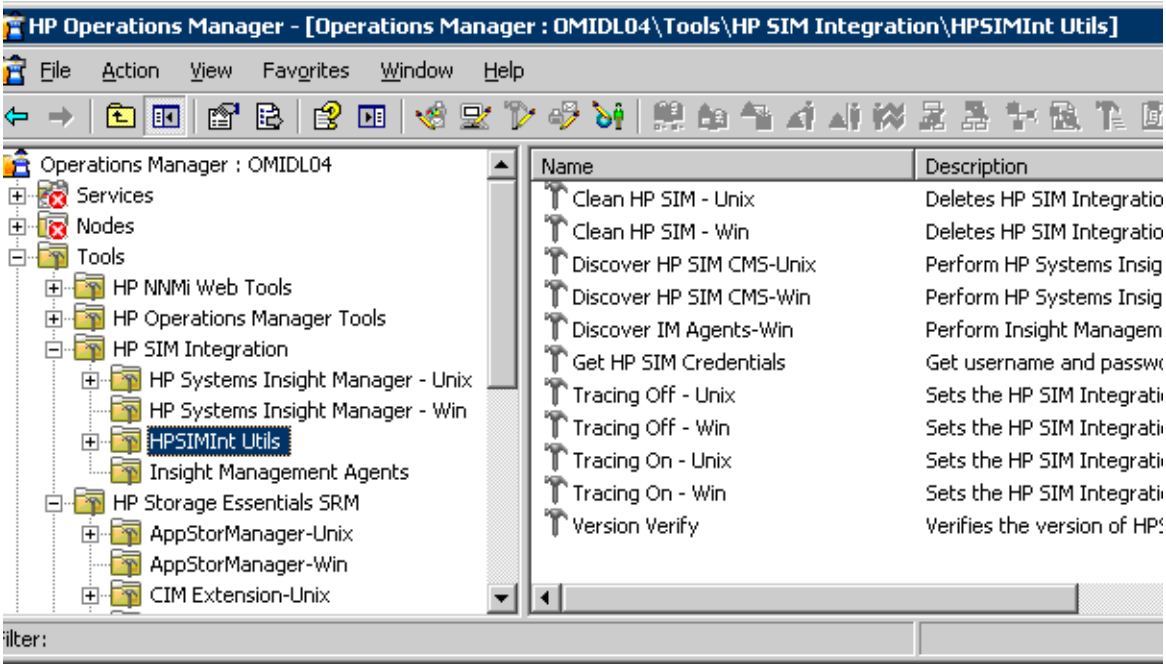
Table 12 List of tools in HP System Insight Manager-Win tools group

Tool Name	Description
Add nodes to HPSIM	Adds nodes to HPSIM server.
Assign HPSIM node to node group	Assigns the HP SIM CMS node to the HP SIM CMS-Win node group.
Create Events Task	Creates Events Task on HPSIM to forward events to Event Listener.
De-assign HPSIM node from node group	De-assigns HP SIM CMS node from \"HP SIM CMS-Win\" node group.
Execute HPSIM Tool	Execute HPSIM 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 HPSIM Nodes	Gets nodes being managed by the HPSIM server.
Get HPSIM Port	Gets the SSL port to be used by other HPSIM tools to communicate to the HPSIM server.
Get HPSIM Tool Status	Gets the status of tool execution on the HPSIM managed nodes.
Launch HPSIM Console	Launch HPSIM Console.
Remove Events Task	Removes Events Task from HPSIM that forwards events to Event Listener.
Remove Query	Removes the user-defined event collection from HPSIM.
Start Event Listener	Starts the HPSIMInt Event Listener and registers as a subagent of HPOM Agent to forward events to HPOM. The parameter is -p <portNumber>, where 54321 is the default port number of the Event Listener. Change this value if TCP port 54321 is not available.
Start HPSIM Service	Starts HPSIM Service.

Tool Name	Description
Start OpenSSH Service	Starts OpenSSH Service
Start Pegasus WMI Mapper Service	Starts Pegasus WMI mapper service.
Status Event Listener	Gets the status of the HPSIMInt Event Listener that forwards events to HPOM.
Status HPSIM Service	Status of HPSIM Service.
Status OpenSSH Service	Status of OpenSSH Service.
Status Pegasus WMI Mapper Service	Status of Pegasus WMI Mapper Service.
Stop Event Listener	Stops HPSIMInt Event Listener and unregisters as subagent of HPOM Agent to stop forwarding events to HPOM.
Stop Fwding Cleared Imp Events	Removes the HPSIMInt_ClearedEvents task and the HPSIMInt_ClearedEvents collection on HPSIM to stop forwarding the cleared important events from HPSIM to HPOM.
Stop Fwding Imp Events	Removes the task \"HPSIMInt_ImportantEvents\" and the collection \"HPSIMInt_ImportantEvents\" on HPSIM, to stop forwarding the important events from HPSIM to HPOM.
Stop HPSIM Service	Stops the HPSIM service.
Stop OpenSSH Service	Stops the OpenSSH service.
Stop Pegasus WMI Mapper Service	Stops Pegasus WMI Mapper Service.

Using the HPSIMInt Utils Tools Group

The HPSIMInt Utils tools group includes tools that enable you to perform administrative tasks for HPSIMInt. The following figure shows the tools in the HPSIMInt Utils tools group.



The HPSIMInt Utils tools group includes the following tools.

Table 13 List of tools in HPSIMInt Utils tools group

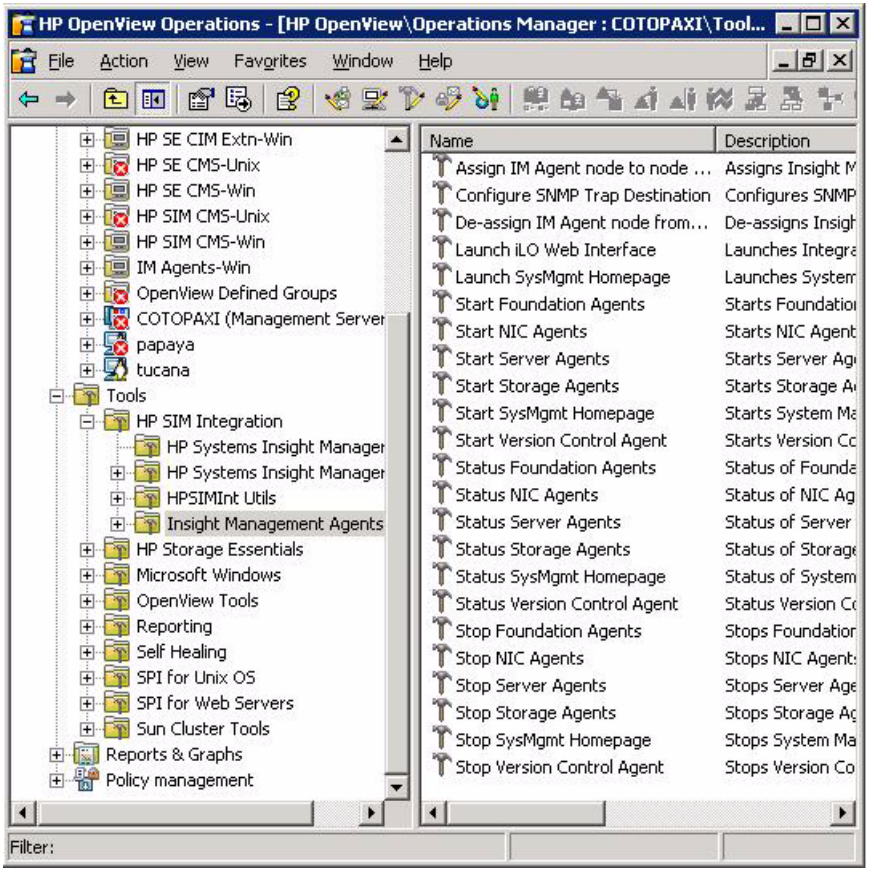
Tools Name	Description
Clean HP SIM-Unix	Deletes HP SIM Integration files on the HP SIM Unix managed node.
Clean HP SIM-Win	Deletes HP SIM Integration files on the HP SIM Windows managed node.
Discover HP SIM CMS-Win	Perform HP SIM CMS Service Discovery on Windows managed nodes.
Discover HP SIM CMS-Unix	Perform HP SIM CMS Service Discovery on Unix managed nodes
Discover IM Agents-Win	Performs Insight Management Agents Service Discovery on Windows managed nodes.
Get HPSIMM Credentials	Get username and password of HPSIM for HPSIMInt.
Tracing On-Unix	Sets the HPSIMInt tracing to ON state on the Unix managed nodes.
Tracing Off-Unix	Sets the HPSIMInt tracing to OFF state on Unix managed nodes.
Tracing On-Win	Sets the HPSIMInt tracing to ON state on Windows managed nodes
Tracing Off-Win	Sets the HPSIMInt tracing to OFF state on Windows managed nodes.
Version Verify	Verifies the version of HPSIMInt files.

Using the Insight Management Agents Tools Group

The IM Agent tools group contains the tools that you can execute on IM Agent Windows nodes. Tools 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 following figure shows the tools in the Insight Management Agents tools group.



The IM Agent Tools Group includes the following tools.

Table 14 List of agents in IM Agent tools group

Tools	Description
Assign IM Agent node to node group	Assigns Insight Management Agent node to \"IM Agents-Win\" node group.
De-assign IM agent node from node group	De-assigns Insight Management Agent node from \"IM Agents-Win\" node group.
Configure SNMP Trap Destination	Configures SNMP trap destination on the Insight Management agent nodes
Launch SysMgmt Homepage	Launches System Management Home page.
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 Version Control Agent	Starts Version Control Agent service.
Start SysMgmt Homepage	Starts System Management Home page service.
Status Foundation Agents	Status of Foundation Agents Service.
Status NIC Agents	Status of NIC Agents Service
Status Server Agents	Status of Server Agents Service.
Status Storage Agents	Status of Storage Agents Service.
Status Version Control Agent	Status Version Control Agent Service
Status SysMgmt Homepage	Status of System Management Homepage Service.
Stop Foundation Agents	Stops Foundation Agents service.
Stop NIC Agents	Stops NIC Agents service.
Stop Server Agents	Stops Server Agents service.

Tools	Description
Stop Storage Agents	Stops Storage Agents service
Stop Version Control Agent	Stops Version Control Agent service.
Stop SysMgmt Homepage	Stops System Management Home page service

“Launch SysMgmt Homepage” tool must be run on one node at a time.

5 Uninstalling HPSIM Integration

To uninstall the HPSIMInt software, complete the following tasks in the order given.

Task 1: Uninstall HPSIMInt Components from HP SIM CMS Nodes

Deleting the HPSIMInt Event Forwarding Tasks and Collections

To stop event forwarding from HPSIM to HPOM, you must delete the event forwarding collections and its corresponding tasks from the HPSIM management server. Follow these steps:

Run the Stop Fwding Imp Events tool on the HP SIM CMS nodes to delete HPSIMInt_ImportantEvents and HPSIMInt_ApplicationEvents the default collection and task for forwarding HP SIM events.

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.

If you configured default event acknowledgement from HPSIM to HPOM, run the Stop Fwding Cleared Imp Events tool to delete HPSIMInt_ClearedEvents and HPSIMInt_ClearedApplicationEvents. These are the default collections and tasks for acknowledging HPSIM events.

To delete custom event collections and tasks from HPSIM, follow these steps:

1. Run the Remove Events Task tool for each custom task added to forward HPSIM events to HPOM, by providing the name of the custom task.
2. Run the Remove Query tool for each collection to remove it from HPSIM, by providing the name of the custom collection.

To verify whether HPSIMInt event task and collection are deleted, follow these steps:

1. Log in to the HPSIM web interface and ensure that there is no HPSIMInt_ImportantEvents, HPSIMInt_ApplicationEvents, HPSIMInt_SESRMInfraEvents, HPSIMInt_ClearedEvents, HPSIMInt_ClearedApplicationEvents, HPSIMInt_ClearedSESRMInfraEvents query in the **Events** > **Shared** tree on the Systems and Events panel.
2. Check for any custom event collections you added.

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.

You can also delete collections from the HP SIM web interface or by using HP SIM CLI. You can also delete tasks from using HP SIM CLI. For more information on HP SIM CLI, see the *HP Systems Insight Manager Command Line Interface Reference Guide.*

Deleting HPSIMInt Instrumentation from Nodes

1. Open the **HPSIMInt Utils** tool group in the HPSIMInt tools group.
2. Run Clean **HP SIM-Win** tool on the HP SIM CMS-Win nodes.
3. Run Clean **HP SIM-Unix** tool on the HP SIM CMS-Unix nodes.

Removing HP SIM CMS Nodes from HPSIMInt Node Groups

Launch **De-assign HP SIM node from node group** from the **HP SIM Integration** > **HP SIM-Win** tools group on the HP SIM CMS-Win node group.

Repeat to remove nodes from the HP SIM CMS-Unix node group by using the appropriate tools in their respective tools group.

Task 2: Uninstall HPSIMInt Components from IM Agent Nodes

Follow these steps:

1. Delete HPSIMInt instrumentation from IM agent nodes:
   a. Open the **HPSIMInt Utils** tool group in the HPSIMInt tool group.
   b. Run the **Clean HP SIM-Win** tool on the IM Agent-Win nodes.
2. Remove IM agent nodes from HPSIMInt node groups by launching **De-assign IM Agent node from node group** from the **HP SIM Integration** > **Insight Management Agents** tools group on the IM Agents-Win node group.

Task 3: Uninstall HPSIMInt from the HPOM Management Server

If the Storage Essentials SRM SPI is installed, you must uninstall it. Select HPSIMInt in the Product Selection Uninstall window to uninstall the SPI.

1. Insert the Smart Plug-ins, New and Upgraded, DVD in the DVD-ROM drive.
2. Select **Remove products** to proceed to the product selection dialog.
3. Select **HP SIM Integration** from the Product Selection Uninstall window.

4. Click **Next**.
5. Select **Remove**.
6. Click **Finish** to complete the uninstallation procedure and exit the wizard.

This deletes all the configuration files and executables of HPSIMInt from the HPOM server. The HPSIMInt policies and tools are also deleted from the HPOM GUI.

For more information on uninstalling HP Operations Smart Plug-ins, see the *New and Upgraded Smart Plug-ins DVD for HP Operations Installation / Upgrade Guide*.

Task 4: Uninstall HPSIMInt from the HPOM User Roles GUI

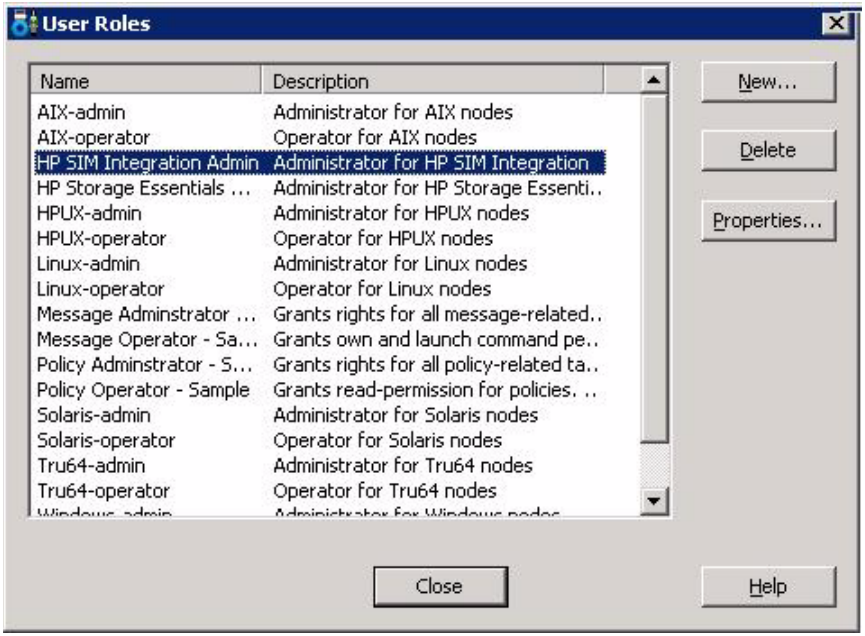
The HPSIMInt node groups, tools group, tools, and policies are removed from the HPOM GUI during the uninstallation of the product. However, you must remove the HPSIMInt Admin user role manually.

The policies are removed from the deployed node and deleted from HPOM GUI only if the policies are not customized or updated.

Follow these steps:

1 Select **Actions** > **Configure** > **User Roles**.

You can also click **User Roles Configuration Editor** located on the menu bar of the main HPOM management console. The User Roles window opens.



2 Select **HP SIM Integration Admin** and click **Delete** to remove the HPSIMInt Admin user roles from the HPOM User Roles.

6 Troubleshooting HP SIM Integration

Start by verifying that the procedures explained in Chapter 3, Configuring HPSIM Integration were completed successfully. In a successful installation, HP SIM Integration is configured as recommended and the messages that appear in the OM Events Browser are:

- Generated by HP SIM
- Intercepted by the HP SIM Integration templates
- Appear in theOM 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 message browser

Solution:

1. Ensure that the connection between HPOM and the HP SIM CMS is up and running.
2. 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.
3. Ensure that the HP SIM services are running on the HP SIM CMS node.
4. Verify that the HPOM agent is correctly installed and configured on the HP SIM CMS server and that HPOM agent processes (and in particular the control agent and message agent) are running.
5. Ensure that you followed all the configuration steps in the order specified in Task 6: Configure HPSIMInt to Forward HPSIM Events on page 42.

6 Ensure that the correct HP SIM Credentials are entered when configuring the HP SIM CMS node, as described in Task 4: Obtain HP SIM Credentials on page 36, before adding the node to the HP SIM node group.

7 The Get HP SIM Credentials tool can only be run on one node at a time.

8 Check the HP SIM Integration logs HPSIMInt_IndicationListener.log, HPSIMInt_Parser.log, and DetailsParser.log on the managed node for error messages. If the HP SIM credentials are invalid, there is a possibility of having error messages in the logs indicating authentication failures.

9 Ensure that the HP SIM Integration policies are correctly deployed to the HP SIM CMS or IM Agent nodes.

10 Ensure that HP SIM CMS or IM Agent nodes are added to the appropriate node groups. For more information, see Task 3: Assign HP SIM CMS Nodes to a Node Group on page 29 and Assigning the Insight Management Agent Node to Node Group on page 32.

11 Ensure that the HP SIM Integration Event Listener is running. For more information, see Starting Event Listener on Each HP SIM CMS Node on page 42 chapter.

12 Verify whether HP SIM Integration default events collections **HPSIMInt_ImportantEvents and HPSIMInt_ApplicationEvents** is present on the HP SIM CMS GUI in the **Events** > **Public tree** on the **Systems and Events** panel. Check the existence of the event forwarding tasks using HP SIM CLI command mxtask on the HP SIM CMS node.

13 Check the task definition and the Event Listener port to ensure that they are both configured for the same port number. If not, see Task 8: Reconfigure HPSIMInt to Forward HPSIM Events on page 58 to modify the port.

To check the task definition, use the HP SIM CLI mxtask –if <taskname> command 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 tool Status Event Listener. The tool output contains the Event Listener port.

14 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 9: Reconfigure HPSIM CMS Credentials for HPSIMInt on page 59.

HP SIM services are not visible in the HPOM console

Solution:

Ensure that the Service Discovery policies in the policy groups from **Policy Management** > **Policy Groups** > **HP SIM Integration** > **HP SIM CMS-Win** or **HP SIM CMS-Unix** > **Service Discovery** are deployed on the HP SIM CMS node.

To check that the policies are correctly deployed, right-click on the node, select **View** > **Policy Inventory,** and verify that the Service Discovery policies are present.

You can also check the service discovery log <OvAgentDir>\log\javaagent.log on the HP SIM CMS node for error messages.

IM Agent services are not visible in the HPOM console

Solution:

Ensure that the Service Discovery policies present at **Policy Management** > **Policy Groups** > **HP SIM Integration** > **IM Agents-Win** > **Service Discovery** were deployed on the IM Agent node.

To check that the policies are correctly deployed, right-click on the node, select **View** > **Policy Inventory,** and verify that the Service Discovery policies are present.

You can also check the service discovery log <OvAgentDir>\log\javaagent.log on the IM Agent node for error messages.

Automatic acknowledgement from HPOM to HP SIM is not working

Solution:

1 Ensure that you carried out the configuration steps described in Task 7: Configure Bi-Directional Event Acknowledgement/Clearing on page 49.

2 Ensure that the correct HP SIM Credentials are entered when configuring the HP SIM CMS node. See Task 4: Obtain HP SIM Credentials on page 36 for more information.

3 Check the HP SIM Integration logs HPSIMInt_IndicationListener.log and HPSIMInt_Parser.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 4: Obtain HP SIM Credentials on page 36 for instructions on entering the HP SIM credentials.

4 Ensure that the HP SIM Event Acknowledging policies **HPSIMInt-HPSIM_ClearEvents** and **HPSIMInt-HPSIM_Auto_Acknowledge** in **Policy Management** > **Policy Groups** > **HP SIM Integration** > **HP SIM Event Acknowledging** are deployed on the HPOM Management Server node. For more information, see Configuring Event Clearing from HPOM to HPSIM on page 55.

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

Solution:

1 Select an HP SIM event from the message group **HPSIMInt-Systems_Insight_Manager.**

2 Right-click the event and select **Commands** > **Start** > **Operator Initiated**. The HP SIM logon page opens.

3 If the version is HP SIM 5.1, then the selected system page lists the device reporting the event. The HPSIM System page displays the devices when the System Name is clicked. Click on the Events Tab to view all the events from the device. If the version is HPSIM 5.2, then the Operator-Initiated Action from a message, launches the event details page.

Auto-deployment of policies failed on OVOW 7.50

Solution:

Verify that the following registery key value is set to 0:

```
SOFTWARE\Hewlett-Packard\OVEnterprise\Management
Server\AutoDeployment\Disable
```

Version Verify tools fail on an agent running as non-root user

When the OM Agent is migrated from root user to non-root user, the Version Verify tools fail with the following error:

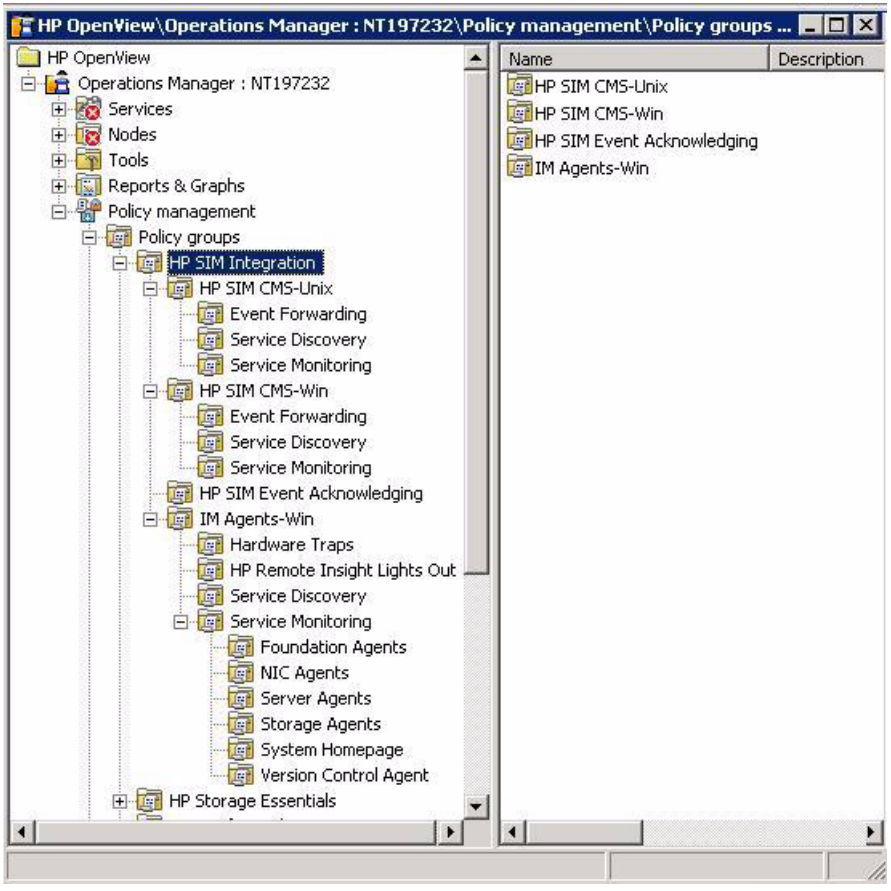
```
Cannot open collector output file /tmp/SIM_INT/SIM_INT.xml
for writing
```

Solution:

If the OM Agent is migrated from root user to non-root user, delete or rename the HP SIM Integration files/directories from /tmp on the nodes that were created by root user.

A HPSIM Integration Policy Groups

The following figure shows the high-level HPSIMInt policy groups:



HP SIM CMS-Unix Policy Groups

The following policies forward and acknowledge events on HPOM:

- Event Forwarding

Table 15 Event Forwarding policy

Policy	Description	Policy Type
HPSIMInt-HPSIM_Events_Unix	Forwards and acknowledges the HPSIM events to HPOM	Open Message Interface

- Service Discovery

Table 16 Service Discovery policy

Policy	Description	Policy Type
HPSIMInt-HPSIM_AutoDiscovery	Discovers HPSIM CMS services.	Service Auto-Discovery

- Service Monitoring

Table 17 Service Monitoring policies

Policy	Description	Policy Type
HPSIMInt-HPSIM_HPSIMServiceMonitoring_Unix	Checks the HPSIM service on UNIX nodes.	Measurement Threshold
HPSIMInt-HPSIM_EventListenerMonitoring_Unix	Monitors the HPSIMInt Event Listener on UNIX nodes.	Measurement Threshold

HP SIM CMS-Win Policy Groups

The following policies forward and acknowledge events on HPOM.

- Event Forwarding

Table 18 Event Forwarding policy

Policy	Description	Policy Type
HPSIMInt-HPSIM_Events_Win	Forwards and acknowledges the HPSIM Events to HPOM.	Open Message Interface

- Service Discovery

Table 19 Service Discovery policy

Policy	Description	Policy Type
HPSIMInt-HPSIM_AutoDiscovery	Discovers HP SIM CMS Services.	Service Auto-Discovery

- Service Monitoring

Table 20 Service Monitoring policies

Policy	Description	Policy Type
HPSIMInt-HPSIM_OpenSSHdServiceMonitoring-Win	Checks the OpenSSHd service on Windows nodes.	Measurement Threshold
HPSIMInt-HPSIM_WMIMapperServiceMonitoring-Win	Checks the Pegasus WMI Mapper service on Windows nodes.	Measurement Threshold
HPSIMInt-HPSIM_EventListenerMonitoring-Win	Monitors the HPSIMInt Event Listener on the Windows nodes.	Measurement Threshold
HPSIMInt-HPSIM_HPSIMServiceMonitoring-Win	Checks the HPSIM service on Windows nodes.	Measurement Threshold

HPSIM Event Acknowledging Policy Groups

The following policies clear events on HPSIM when these events are acknowledged on HPOM.

Table 21 List of policies which clear events on HPSIM

Policy	Description	Policy Type
HPSIMInt_ClearEvents	Clears the events on HPSIM when the events are acknowledged on OVO Windows.	Scheduled Task
HPSIMInt-HPSIM_Auto_Acknowledge	Intercepts the acknowledged HPSIM events of message group HPSIMInt-Systems_Insight_Manager.	Windows Management Interface
HPSIMInt-HPSIM_DupEvent_Acknowledge	Intercepts the changes in message text for HP Systems Insight Manager events	Windows Management Interface

These policies should be deployed to the HPOM management server.

IM Agents-Win Policy Groups

- Hardware Traps

Table 22 List of policies in Hardware Traps

Policy	Description	Policy Type
HPSIMInt-IMAgents_FwdCIMTraps	Forwards the IM Agents ProLiant GbE Switches SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdCMCTraps	Forwards the IM Agents Console Management Controller SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdChannelArrayTraps	Forwards the IM Agents Fibre Channel Array SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdClusterTraps	Forwards the IM Agents Cluster SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdDMITraps	Forwards the IM Agents DMI SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdDriveArrayTraps	Forwards the IM Agents Intelligent Drive Array SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdHostOSTraps	Forwards the IM Agents Host Operating System SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdICATraps	Forwards the IM Agents Intelligent Cluster Administrator SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdIDEDriveTraps	Forwards the IM Agents Manageable IDE Drive SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdNICTraps	Forwards the IM Agents Network Interface Card SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdPCConfigTraps	Forwards the IM Agents PC Equipment Configuration SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdPowerDevicesTraps	Forwards the IM Agents Power Devices SNMP Traps.	SNMP Interceptor

Policy	Description	Policy Type
HPSIMInt-IMAgents_FwdRPMTraps	Forwards the IM Agents Rack Power Manager SNMP Traps	SNMP Interceptor
HPSIMInt-IMAgents_FwdRackTraps	Forwards the IM Agents Rack Information SNMP traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdRaidControllerTraps	Forwards the IM Agents Raid Controller SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdRecoverySvrTraps	Forwards the IM Agents Recovery Server SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSANTraps	Forwards the IM Agents Storage Area Networks SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSCSIDevicesTraps	Forwards the IM Agents SCSI Devices SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSTEAMTraps	Forwards the IM Agents StorageWorks Enterprise Array Manager SNMP traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSWCCTraps	Forwards the IM Agents StorageWorks Command Console SNMP traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdServerMgrTraps	Forwards the IM Agents Server Manager SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdServiceIncidentTraps	Forwards the IM Agents Service Incident Information SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdStorageSysTraps	Forwards the IM Agents Storage Systems SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSvrHealthTraps	Forwards the IM Agents Server Health SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdSysInfoTraps	Forwards the IM Agents System Information SNMP Traps.	SNMP Interceptor

Policy	Description	Policy Type
HPSIMInt-IMAgents_FwdThresholdMgmtTraps	Forwards the IM Agents Threshold Management SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdUPSTraps	Forwards the IM Agents Uninterrupted Power Supply SNMP Traps.	SNMP Interceptor
HPSIMInt-IMAgents_FwdOneMsgPerTrap	Policy suppresses multiple messages for a single Trap Event ID.	Node Info

- HP Remote Insight Lights Out

Table 23 List of policy in HP Remote Insight Lights Out

Policy	Description	Type
HPSIMInt-IMAgents_FwdRIBTraps	Forwards the IM Agents Remote Insight Board SNMP Traps	SNMP Interceptor

- Service Discovery

Table 24 List of policy in Service Discovery

Policy	Description	Type
HPSIMInt-IMAgents_FwdRIBTraps	Forwards the IM Agents Remote Insight Board SNMP Traps	Service Auto-Discovery

- Service Monitoring

Table 25 List of policies in Service Monitoring

Policy Group	Policy	Description	Type
Foundation Agents	HPSIMInt-IMAgents _FoundationAgents	Checks the Foundation Agents Service.	Measurement Threshold
NIC Agents	HPSIMInt-IMAgents _NICAgents	Checks the NIC Agents Service.	Measurement Threshold
Server Agents	HPSIMInt-IMAgents _ServerAgents	Checks the Server Agents Service.	Measurement Threshold
Storage Agents	HPSIMInt-IMAgents _StorageAgents	Checks the Storage Agents Service.	Measurement Threshold
System Homepage	HPSIMInt-IMAgents _SysMgmtHomepage	Checks the System Management Homepage Service.	Measurement Threshold
Version Control Agent	HPSIMInt-IMAgents _VCAgent	Checks the Version Control Agent Service.	Measurement Threshold

B SNMP Trap Interceptor Policies

The IM Agents Hardware Traps policy group contains SNMP Trap Interceptor policies with rules or conditions to match SNMP traps from the IM Agents. The rules to match a trap generated for different status of the monitored object are the following.

HPSIMInt_IMAgents_FwdPowerDevicesTraps (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)

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)

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)

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 HPSIMInt-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 contained 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)

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)

HPSIMInt-IMAgents_FwdDMITraps (uses CPQDMII.mib)

1. Insight Management Agent: DMI Informational Indication occurred 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 occurred 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 occurred 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 occurred 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 occurred 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 occurred 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)

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)

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)

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)

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)

HPSIMInt-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)

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)

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 Insight Management 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)

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)

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)

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)

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)

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)

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)

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)

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)

HPSIMInt-IMAgents_FwdThresholdMgmtTraps (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)

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)

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)

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 Insight 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)

34 Insight Management Agent: A CMC device is reporting lockset 1 has been unlocked (1.3.6.1.4.1.232.154.2.10111)

35 Insight Management Agent: A CMC device is reporting lockset 1 has failed to lock (1.3.6.1.4.1.232.154.2.10112)

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)

38 Insight Management Agent: A CMC device is reporting lockset 2 has been unlocked (1.3.6.1.4.1.232.154.2.10116)

39 Insight Management Agent: A CMC device is reporting lockset 2 has failed to lock (1.3.6.1.4.1.232.154.2.10117)

40 Insight Management Agent: A CMC device is reporting an error with lockset 2 (1.3.6.1.4.1.232.154.2.10118)

41 Insight Management Agent: A CMC device is reporting lockset 2 has been locked (1.3.6.1.4.1.232.154.2.10119)

42 Insight Management Agent: A CMC device is reporting lockset 1 is normal (1.3.6.1.4.1.232.154.2.10134)

43 Insight Management Agent: A CMC device is reporting lockset 2 is normal (1.3.6.1.4.1.232.154.2.10135)

44 Insight Management Agent: A UPS device is reporting output voltage is out of Range (1.3.6.1.4.1.232.154.2.21020)

45 Insight Management Agent: A UPS device is reporting an overload condition (1.3.6.1.4.1.232.154.2.20014)

46 Insight Management Agent: A UPS device is reporting an overload condition has cleared (1.3.6.1.4.1.232.154.2.20015)

47 Insight Management Agent: A UPS device is reporting low battery (1.3.6.1.4.1.232.154.2.21055)

48 Insight Management Agent: A UPS device is reporting low battery error has been cleared (1.3.6.1.4.1.232.154.2.21056)

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)

59 Insight Management Agent: A UPS device is reporting a diagnostic test succeeded (1.3.6.1.4.1.232.154.2.20132)

60 Insight Management Agent: Input (Utility) for UPS: measured input frequency is outside of either the upper or lower frequency limit specification for normal operation (1.3.6.1.4.1.232.154.2.20141)

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)

67 Insight Management Agent: A UPS device is operating in manual bypass mode (1.3.6.1.4.1.232.154.2.21059)

68 Insight Management Agent: A UPS device has been started while on utility power (1.3.6.1.4.1.232.154.2.20152)

69 Insight Management Agent: A UPS device has been started while on battery power (1.3.6.1.4.1.232.154.2.20151)

70 Insight Management Agent: A UPS device reporting input voltage out of range is NORMAL (1.3.6.1.4.1.232.154.2.21022)

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)

73 Insight Management Agent: A UPS device is reporting temperature is NORMAL (1.3.6.1.4.1.232.154.2.21008)

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)

76 Insight Management Agent: A UPS device is reporting output voltage is out of Range (1.3.6.1.4.1.232.154.2.21019)

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)

85 Insight Management Agent: A UPS device is reporting a cover panel has been removed (1.3.6.1.4.1.232.154.2.21045)

86 Insight Management Agent: A UPS device is reporting a cover panel has been replaced (1.3.6.1.4.1.232.154.2.21046)

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)

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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