

# Transitioning from Compaq Insight Manager (Win32) to HP Systems Insight Manager



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## Abstract

Tools have been created to assist with the migration from Compaq Insight Manager (Win32) version 4.7 or later to HP Systems Insight Manager. These tools are designed to decrease the impact of the autodiscovery process over the network as well as preserve settings such as community strings and favored protocols. The tools consist of two parts: the Export function in Compaq Insight Manager 4.7 or later and the Manual Discovery—Hosts file function that imports this information into HP Systems Insight Manager.

## Introduction

To integrate HP Systems Insight Manager into an existing Insight Manager environment, simply install HP Systems Insight Manager on any server in the network and let it discover the same devices.

It is important to remember these points:

- HP Systems Insight Manager and Compaq Insight Manager can be installed on the same system.
- Older agents are supported by HP Systems Insight Manager.
- HP Systems Insight Manager has no interaction with the existing Insight Manager.

You may need to add the server IP address running HP Systems Insight Manager to the Trap Destination fields in SNMP on the managed device.

## The export process

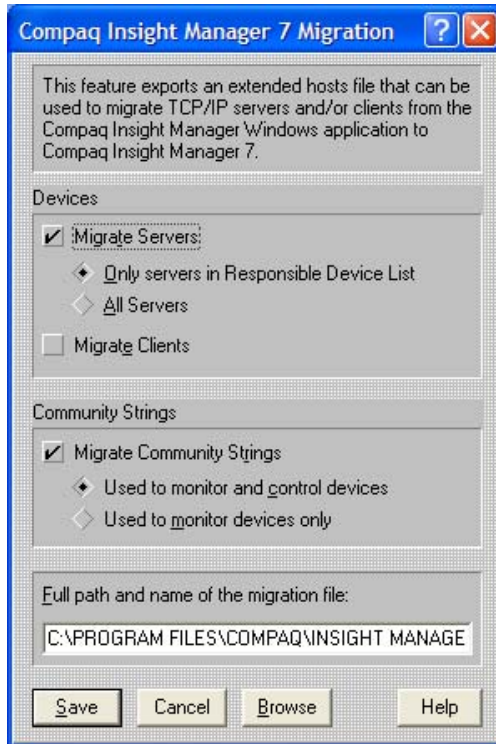
Compaq Insight Manager version 4.7 or later includes a file menu option that allows you to export a device list including device name, device address, agent protocols, retry intervals and counts, and SNMP community strings. The export process creates a text file, the Migration File, that is valid for importing into HP Systems Insight Manager.

To perform the export process, follow these steps:

1. Launch Compaq Insight Manager version 4.7 or later.
2. From the console main menu, select **File** and then **Export Compaq Insight Manager 7 Migration File**.

In earlier versions of Compaq Insight Manager, the CIM\_IP.DAT file provides only the host name and address information. The CIM\_IP.DAT file will be discussed below. It is recommended that version 4.7 or later be used because it exports community string information, which may vary across a network.

**Figure 1.** The Insight Manager 7 migration window



## What to export

The Insight Manager 7 migration window offers several options for what to save in the Insight Manager 7 migration file.

1. There are two migration checkboxes. One checkbox allows you to migrate servers and the other allows you to migrate clients. Select **Migrate Servers** to write the IP addresses and the names of servers currently managed by Compaq Insight Manager to the exported file when the Save button is clicked. Check **Migrate Clients** to write all IP clients discovered by Compaq Insight Manager to the exported file when the Save button is clicked.
2. Within the Migrate Servers checkbox, you can save only servers in the Responsible Device List to the export file when the Save button is clicked. This control is selected by default. Alternatively, you can save all servers in the List of All Devices (including the servers in the Responsible Device List) to the export file when the Save button is clicked. If you plan to have multiple HP Systems Insight Manager servers to manage specific sets of devices, saving the respective servers in the Responsible Device Lists will allow you to import each separate device list. If one Compaq Insight Manager console functions as a master list or you only plan to have one HP Systems Insight Manager server, save all servers.
3. The Migrate Community Strings checkbox writes each device's community strings to the exported file as unencrypted text strings when the Save button is clicked. A pop-up message will ask you to verify this selection. Be aware of security and do not copy or e-mail this file because the community strings in this file provide access to your server across a network, exposing you to the possibility of malicious acts that could impair the server or cause the server to reboot, if this feature is enabled.

4. The next two options control which community strings are written to the export file. Select **Used to Monitor and Control Devices** to export both types of community strings. Select **Used to Monitor Devices Only** to export only the monitor community.

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**Note:** “public” is the default community string for HP Systems Insight Manager. If you do not import the community strings used in Compaq Insight Manager you will lose any custom settings, and HP Systems Insight Manager may not be able to get SNMP data from these servers, which could cause these devices to be listed with “Critical” status. Community strings are case sensitive. For example, “Public” and “public” are not the same. You can use the Replicate Agent Settings tool in HP Systems Insight Manager to reset groups of community strings.

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You must set the SNMP Trap Destination at each SNMP agent (each managed device) to the host names or addresses of your event consoles or servers. If you are migrating from Compaq Insight Manager to HP Systems Insight Manager, you are probably doing this on a new machine with a new IP address and host name. You will need to reset the SNMP Trap Destination on each managed device to enable event forwarding to the new HP Systems Insight Manager server. You can use the Replicate Agent Settings feature of HP Systems Insight Manager to reset the SNMP Trap Destination on the managed devices. Alternatively, you can reuse the old name or address of the Compaq Insight Manager console for the new HP Systems Insight Manager server and avoid resetting all the Trap Destinations.

## The export file location

The final Insight Manager 7 migration option controls the location or full path and name of the migration file. Enter the path and name of the file to be exported in this field. If you have not previously saved a file from this dialog box, this field displays a default path to the Compaq Insight Manager install directory. The default file name will be CIMHOSTS.TXT. For example, the path may be similar to this:

C:\PROGRAM FILES\COMPAQ\INSIGHT MANAGER\CIMHOSTS.TXT

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**Note:** If you are not running Compaq Insight Manager 4.7 or later or if you have a standard hosts file that includes more than HP devices, the import process is the same, except that you will be using the CIM\_IP.DAT file imported from the Compaq Insight Manager directory C:\PROGRAM FILES\COMPAQ\COMPAQ INSIGHT MANAGER\CIM\_IP.DAT. However, you do not have the option of migrating community strings, retries, and protocols. You will need to set up these options on the Automatic Discovery page and add any additional community strings being used by those devices (for example, routers, UNIX® systems, and so forth).

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## Importing hosts files or extended hosts files

**Figure 2.** Importing hosts files into HP Systems Insight Manager

**Manual Discovery - Hosts Files**  
Description: Add multiple systems to be managed by HP Systems Insight Manager

**New Hosts File**

Required field \*

Hosts file name:\* Imported servers

Initialize contents with:

Empty file

Systems loaded from the central management server, sorted by: IP address

Systems loaded from hosts file C:\cimhosts.txt Browse...

Initialize Now

Contents:

```
# File created by Compaq Insight Manager 5.50
#
# This file is an extended hosts file containing devices discovered by
# Compaq Insight Manager. Use this file to migrate your device list from
# the Compaq Insight Manager Windows application to Compaq Insight Manag
#
```

To import hosts files into HP Systems Insight Manager, follow these steps:

1. Log into HP Systems Insight Manager as a user with full configuration rights.
2. Select **Options** → **Discovery** → **Manual Discovery**, then select the **Hosts File** link near the top of the page.
3. Select the **New...** button to create a new hosts file for import.
4. Create a name for the new hosts file.
5. Select the radio button **Systems loaded from hosts file**, select the **Browse** button, and select the file that you are going to import from Compaq Insight Manager (CIMHOSTS.TXT for version 4.7 and later or CIM\_IP.DAT for older versions). Click **Open**.
6. Select the **Initialize Now** button to load the file into the contents section of the page.
7. Select **OK** to import the devices.

HP Systems Insight Manager will immediately begin the discovery process by identifying all the devices and retrieving data about the devices.

### Migrating e-mail/paging settings

Setting up e-mail and paging in Compaq Insight Manager is done by configuring alarm destinations. Within a destination configuration, notification can be filtered by events from specific devices as well as by specific event (alarm) types.

Figure 3. Setting up e-mail alarm destinations

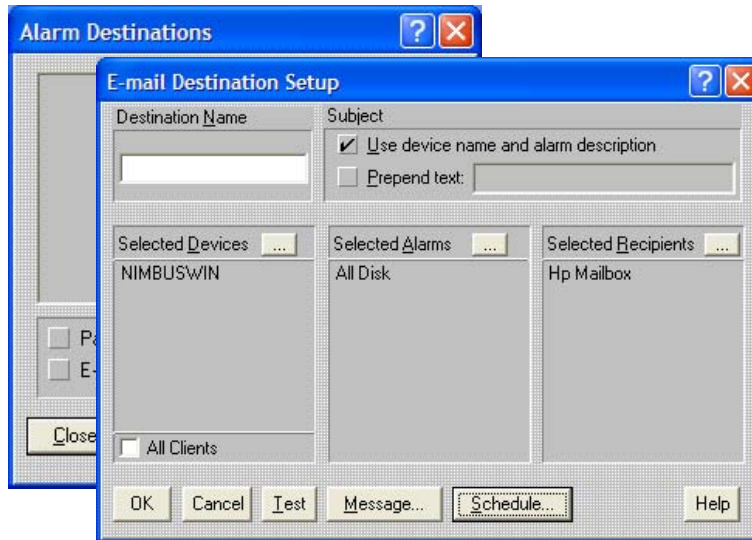
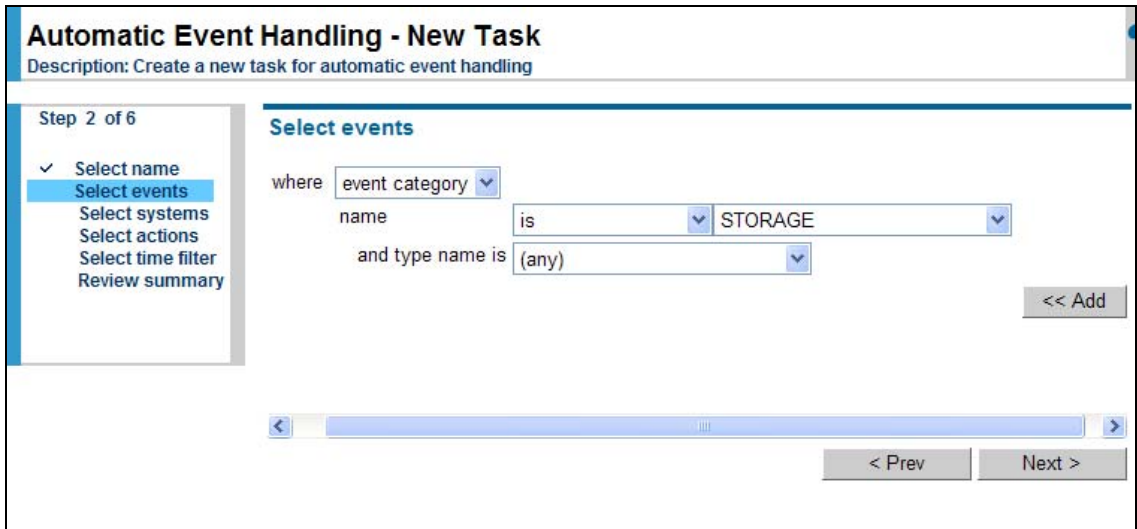


Figure 4. The automatic event handling subsystem



Within HP Systems Insight Manager, notifications are configured through the Automatic Event Handling subsystem. The options offered in alarm destinations and the Automatic Event Handling Subsystem are similar. However, in HP Systems Insight Manager you first select the event types and specific systems you are interested in receiving alarms about and then configure the action (e-mail or page, as well as new options to forward events and launch applications).

The e-mail and pager settings (the name of the e-mail server and the dial-out information for your paging provider) in HP Systems Insight Manager are configured through the E-mail Settings and Modem Settings pages. You can access them from the menu through Options ->Event -> Automatic Event Handling -> E-mail Settings and Modem Settings.

One major difference between Compaq Insight Manager and HP Systems Insight Manager is that the e-mail support within HP Systems Insight Manager is based on the SMTP industry-standard mail protocol rather than the Windows®-specific MAPI support of Compaq Insight Manager. Note that the SMTP server must support anonymous relay to operate with HP Systems Insight Manager.

## Migrating reports and data collection settings

Setup of Data Collection and Reporting in Compaq Insight Manager is done on a per-device basis from the Device Setup window. The maximum number of devices supported is 100 at a time, and the reports generated must be sent to a printer.

Figure 5. The Device Setup window

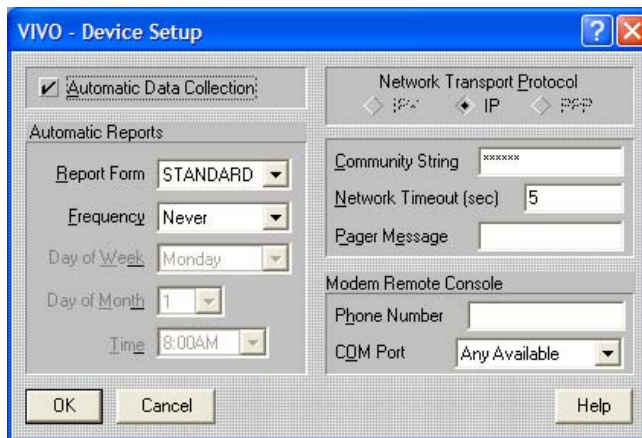


Figure 6. Scheduling a Data Collection task

### Data Collection

Targets: Red Hat Linux

#### Step 3: Schedule Task

Task name:

When would you like this task to run?

Periodically  
 Once  
 When new systems or events meet the list criteria  
 When systems or events no longer meet the list criteria  
 Not scheduled

In addition:

Run when the central management server is started  
 Run now

Refine schedule:

Every  week(s) on  at

Run until  at

Run a maximum of  time(s)

Disable this task

< Prev Done

Data Collection in HP Systems Insight Manager is a task that can be done on thousands of systems at once. Configuration of Data Collection is done from the Options menu. Note that you can configure Data Collection to run at different time intervals for different groups of servers, if desired.

Data collected by Compaq Insight Manager is stored in the local Paradox database. Data collected by HP Systems Insight Manager is stored in the configured database (MSDE is included with the product, and Microsoft® SQL Server is an option when HP Systems Insight Manager is installed on Windows; PostgreSQL is used when the product is installed on Linux or HP-UX).

**Figure 7.** Inventory report

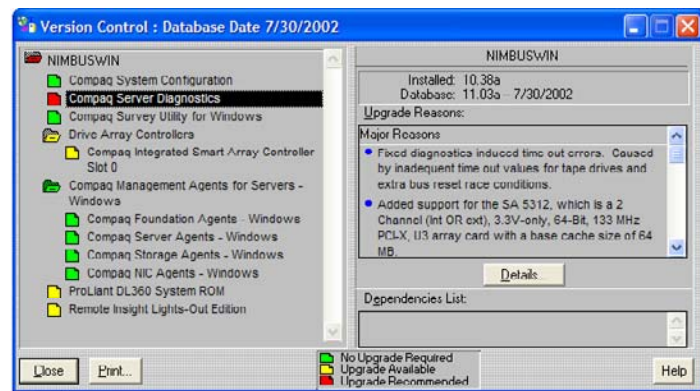
Inventory													
System Name	IP Address	System Status	Product Type	Product Model	Serial Number	Asset Tag	Memory Size (KB)	ROM Version	Operating System Name	Operating System Vendor	Server Role	Location	Sy Ov
170.50.1.129	170.50.1.115	✔ Normal	Server	ProLiant BL20p	8J27JQX1C04D		524288	I01-08/15/2002	Microsoft Windows 2000 Server	Microsoft	Pratap. S		Jer
170.50.1.132	170.50.1.132	✔ Normal	Server	ProLiant 400	D911CJS100Z2	D911CJS100Z2	196608	04/19/2000. Family 03D1, Type 03	Microsoft Windows 2000 Server	Microsoft	Pratap. S		Jer
170.50.1.135	170.50.1.149	✔	Server	ProLiant	D312KY71H019		524288	I02-	Microsoft	Microsoft	Node in	155d17	Jer

You can choose to receive reports on multiple systems using HP Systems Insight Manager. Select the list of systems to report on, select the items to be in the report or select a predefined report template, and, after data collection, the report will be displayed in the browser. These reports can be printed or converted to a CSV file to be imported into a different tool.

## Version control

Version Control in Compaq Insight Manager is performed on one server at a time by selecting the Version Control option from the device menu. The server configuration is compared to the Version Control Database (VCDB), which contains the list of the latest components from HP.

**Figure 8.** The Version Control Database





On the other hand, Version Control in HP Systems Insight Manager is performed on multiple systems simultaneously, based on a configured schedule. Each system is compared to a specified baseline, which can be customized. Once systems needing updates are identified, updates can be distributed directly from HP Systems Insight Manager, either to a single system or to a group of systems.

**Figure 9.** System List page displaying a software status icon

<input type="checkbox"/>	HW	MP	SW	System Name	Syst
<input type="checkbox"/>	?	?	!	<a href="#">170.50.1.147</a>	Serv
<input type="checkbox"/>	?	?	!	<a href="#">170.50.1.168</a>	Serv
<input type="checkbox"/>	✓	✓	!	<a href="#">r1021</a>	Serv
<input type="checkbox"/>	✓	✓	!	<a href="#">170.50.1.184</a> in Encl. <a href="#">Encl3</a>	Serv
<input type="checkbox"/>	✓	✓	!	<a href="#">170.50.1.181</a> in Encl. <a href="#">Encl2</a>	Serv
<input type="checkbox"/>	✓	✓	!	<a href="#">170.50.1.114</a> in Encl. <a href="#">Encl1</a>	Serv
<input type="checkbox"/>	?	?	!	<a href="#">170.50.1.63</a>	Serv

By default, the Software Version Status Polling task, the task that performs the version comparison, is set up to run once per week. This comparison can be configured to occur at different intervals for different groups of servers, if desired, by creating multiple Software Version Status Polling tasks.

The Version Control feature in HP Systems Insight Manager is now made up of two components: the Version Control Agent, which runs on every server, and the Version Control Repository Manager (installed by default with HP Systems Insight Manager on Windows), which runs in a central location. The Version Control Repository Manager acts as a central repository of the software/firmware components, catalogs the components, and allows the definition of custom baselines.

## For more information

### HP Systems Insight Manager

#### Overview and features

<http://h18013.www1.hp.com/products/servers/management/hpsim/index.html>

#### HP Systems Insight Manager quick specs

<http://h18013.www1.hp.com/products/servers/management/hpsim/quickspecs.html>

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