



Installing and Using HP Systems Insight Manager



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Objectives

- Install HP SIM on Windows
- Run discovery
- Create users and configure authorizations
- Organize managed systems into folders and lists
- Run an inventory report
- Identify system faults with events

Web-based management

- Advantages of web-based management technology
- Accessing management data
 - Lab — Verifying installation of management agents

Web-based management services



Device Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

System Management Homepage for HP-EDS

System Model: **ProLiant DL360**
System Status: **OK**
Current User: **administrator**
[logout](#)

[Home](#) [Settings](#) [Tasks](#) [Logs](#) [Agent Help](#)

[about this page](#) Tuesday, August 10, 2004 4:36:59 PM
[refresh](#): manual

Integrated Agents
[Version Control Agent](#)
[HP Insight Diagnostics](#)
[Insight Management Agents](#)

Other Agents
none

Management Processor
[Remote Insight](#)

Other Software
[ProLiant Essentials](#)

KEY: ☒ OK
☐ Degraded
☐ Failed
☐ Unknown

Failed & Degraded Items
none

Management Processor
☒ [Embedded PPC405GP NIC](#)
☒ [Remote Insight](#)

NIC
☒ [HP NC3163 Fast Ethernet Embedded NIC I/O 4000 Port 1](#)
☒ [HP NC3163 Fast Ethernet Embedded NIC I/O 4080 Port 2](#)
☐ [Virtual interface 1](#)

Performance
☒ [Logical Disks](#)
☒ [Processors](#)
☒ [Server](#)
☒ [Memory](#)
☒ [Physical Disks](#)
☒ [Processes](#)

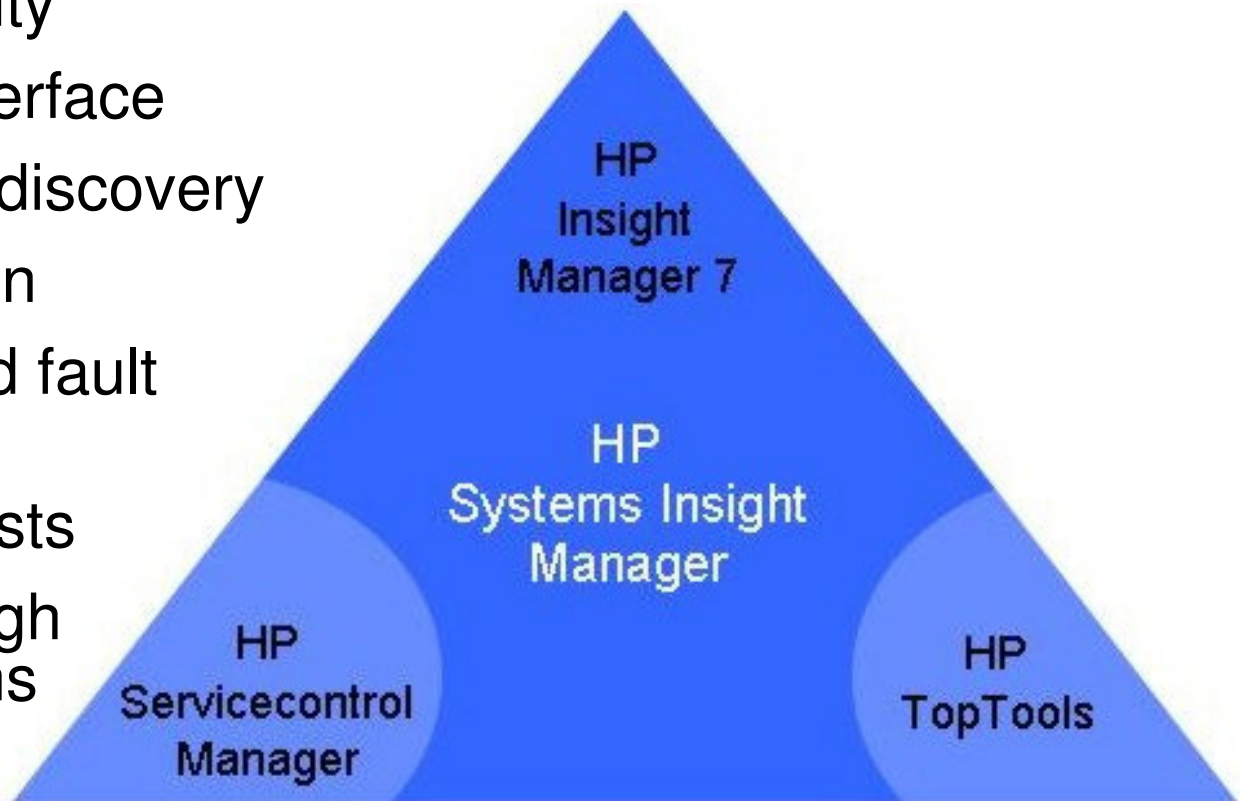
Recovery
☒ [Autorecovery](#)
☒ [Environment](#)
☐ [Power Converter](#)
☐ [Power Supply](#)
☐ [Remote Communications](#)

Storage
☒ [Integrated Smart Array Controller on System Board](#)
☐ [Standard IDE Controller \(1\)](#)
☐ [File System Space Used](#)
☐ [Floppy Drives](#)

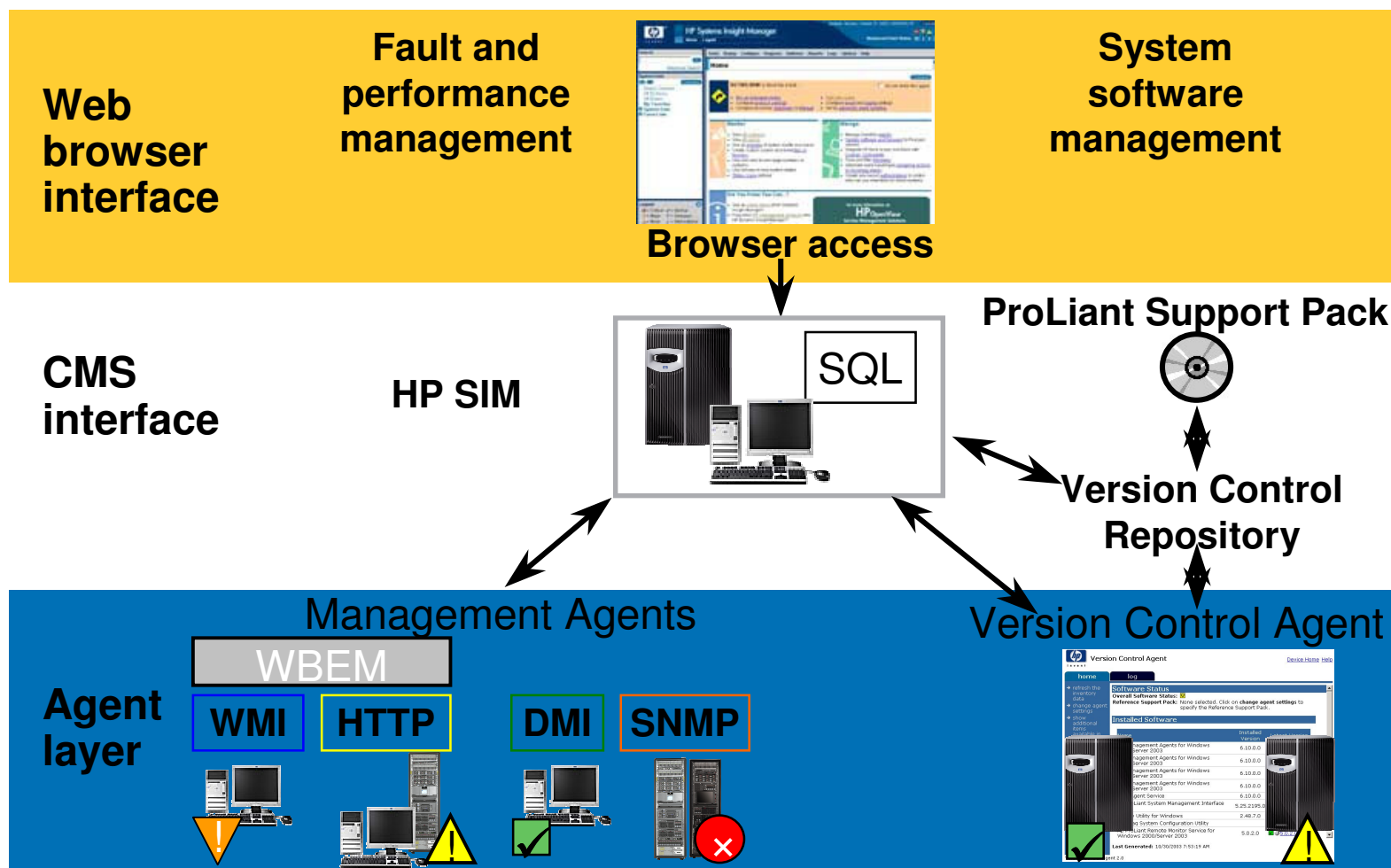
System
☒ [Memory Subsystem](#)
☒ [System Board](#)
☐ [Exp Boards](#)
☐ [Security](#)
☐ [Software Version Info](#)
... 2 items not shown

HP SIM

- Full-function browser interface
- Role-based security
- Command line interface
- Automatic device discovery
- Inventory collection
- System health and fault monitoring
- System (device) lists
- Extensibility through application plug-ins
- Task execution
- Reporting



Systems Management Architecture





Installing HP SIM

- CMS server hardware requirements
- Console browser requirements
- Supported databases
 - SQL Server 2000 and MSDE installation considerations
 - PostgreSQL support

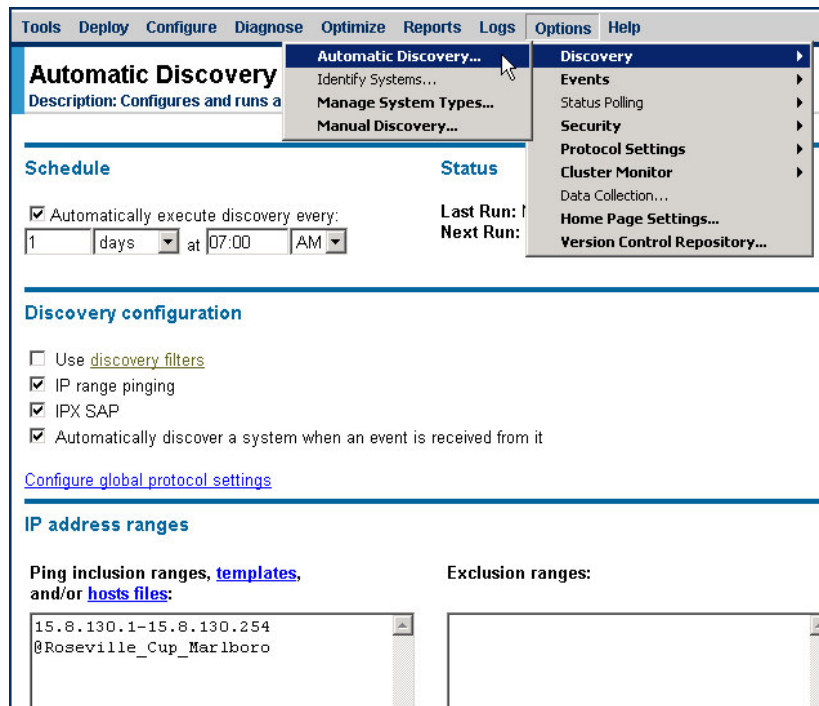
Lab — Installing HP SIM on Windows



- Creating users to access HP SIM from a client
- Initiating an HP SIM installation from the HP Management CD
- Navigating the HP SIM installer
- Installing MSDE 2000
- Installing the JPI on the client
- Navigating the HP SIM home page

Running discovery

- Finding and identifying a device and collecting information about that device
- Browsing discovered devices
- Adding devices



Lab — Running the first device discovery



- Verifying installation of HP Insight Management Agents
- Initiating automatic discovery

Creating users and configuring authorizations

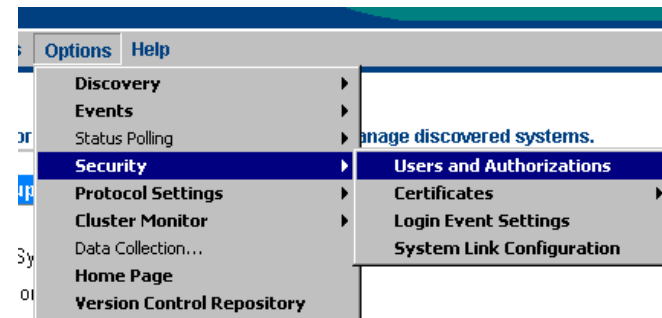


Who	Can do what	On which systems
Lead Systems Administrator	<ul style="list-style-type: none">• Access all tasks, events, and utilities• Configure systems, users, access, jobs including root level, and security	<ul style="list-style-type: none">• All systems
Regional Administrator	<ul style="list-style-type: none">• Access system events and configuration utilities• Run jobs• Configure non-root tasks and jobs	<ul style="list-style-type: none">• Servers in this region (no other systems visible)
Night Shift Operator Manufacturing department	<ul style="list-style-type: none">• Monitor system events• Run backup jobs (jobs have root access, not operator)	<ul style="list-style-type: none">• Servers in Manufacturing department (no other systems visible)

Lab — Creating users and authorizations



- Creating users
- Creating toolboxes
- Adding authorizations



Organizing systems into folders and lists



- Logically groups systems into a collection based on information in the HP SIM database
- Reduces the number of systems viewed in a particular system list
- Can be created, edited, or deleted
- Lab — Creating a customized list of hardware resources
 - Create a customized list of hardware resources
 - Add lists to a Favorites folder
 - Configuring system links

Running inventory reports

- Create customer-defined report configurations
- Edit, copy, and delete report configurations
- Lab — Running a report

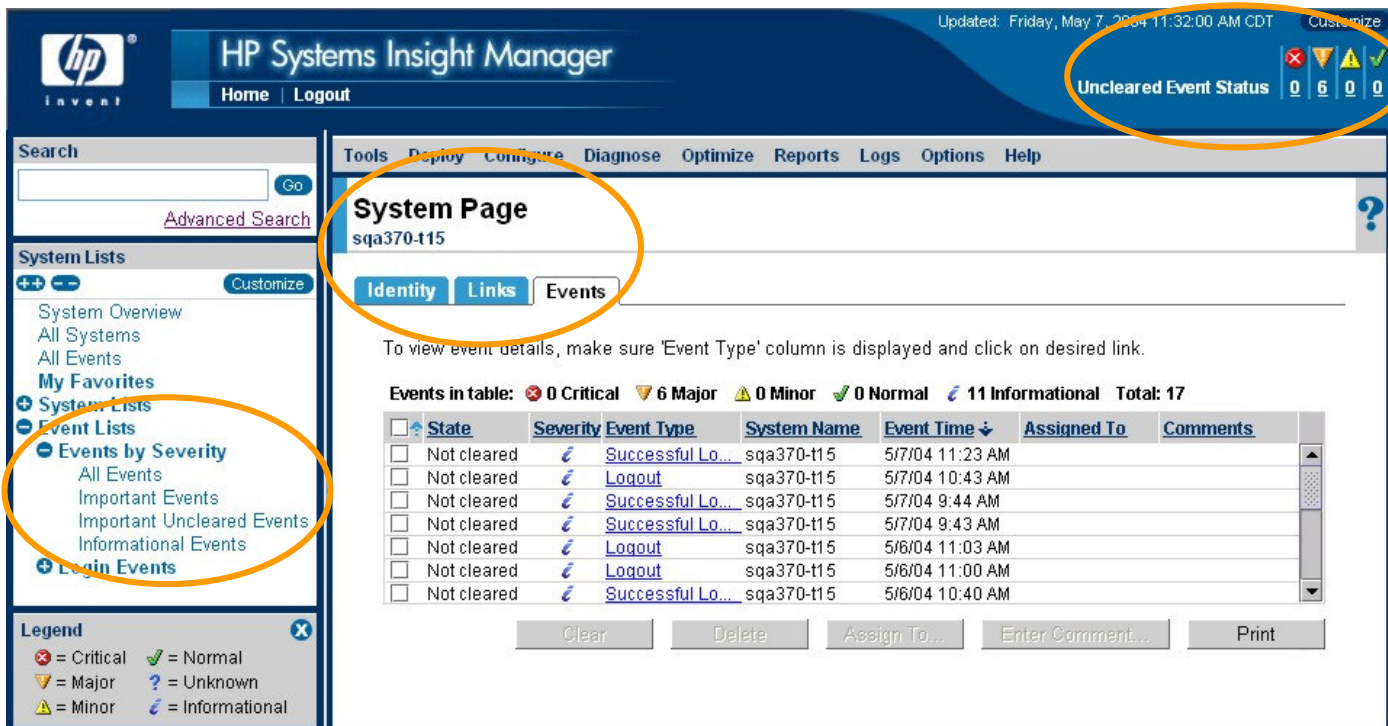
Manage Reports
 Description: Create, copy, delete, modify or run reports against central management server database

Report Name ↑	Target Systems
<input checked="" type="radio"/> Array Controllers - Servers	All Servers
<input type="radio"/> CPU - Clients	All Clients
<input type="radio"/> CPU - Servers	All Servers
<input type="radio"/> DIMM Slots - Servers	All Servers
<input type="radio"/> Installed Controllers - Clients	All Clients
<input type="radio"/> Installed Controllers - Servers	All Servers
<input type="radio"/> Inventory - Clients	All Clients
<input type="radio"/> Inventory - Servers	All Servers
<input type="radio"/> Logical Disk Drives - Servers	All Servers
<input type="radio"/> Network Interface - Servers	All Servers
<input type="radio"/> Operating System Information - Clients	All Clients
<input type="radio"/> Operating System Information - Servers	All Servers
<input type="radio"/> Physical Disk Drives - Servers	All Servers
<input type="radio"/> Power Supply - Servers	All Servers
<input type="radio"/> ProLiant BL Server Rack - Servers	All Servers
<input type="radio"/> System License Information - Systems	All Systems
<input type="radio"/> System Software - Servers	All Servers

Run Report
 Copy...
 New...
 Edit...
 Delete

Events

- Displaying events
- Managing events
- Lab — Viewing HP SIM events



HP Systems Insight Manager

Home | Logout

Updated: Friday, May 7, 2004 11:32:00 AM CDT

Uncleared Event Status: 0 Critical, 6 Major, 0 Minor, 0 Normal

System Page: sqa370-t15

Tools: Deploy, Configure, Diagnose, Optimize, Reports, Logs, Options, Help

Identity | Links | Events

To view event details, make sure 'Event Type' column is displayed and click on desired link.

Events in table: 0 Critical, 6 Major, 0 Minor, 0 Normal, 11 Informational, Total: 17

State	Severity	Event Type	System Name	Event Time	Assigned To	Comments
Not cleared	Informational	Successful Lo...	sqa370-t15	5/7/04 11:23 AM		
Not cleared	Informational	Logout	sqa370-t15	5/7/04 10:43 AM		
Not cleared	Informational	Successful Lo...	sqa370-t15	5/7/04 9:44 AM		
Not cleared	Informational	Successful Lo...	sqa370-t15	5/7/04 9:43 AM		
Not cleared	Informational	Logout	sqa370-t15	5/6/04 11:03 AM		
Not cleared	Informational	Logout	sqa370-t15	5/6/04 11:00 AM		
Not cleared	Informational	Successful Lo...	sqa370-t15	5/6/04 10:40 AM		

Clear | Delete | Assign To... | Enter Comment... | Print

Legend: Critical (Red X), Major (Yellow Triangle), Minor (Green Triangle), Normal (Green Checkmark), Unknown (Question Mark), Informational (Blue Checkmark)

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