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

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
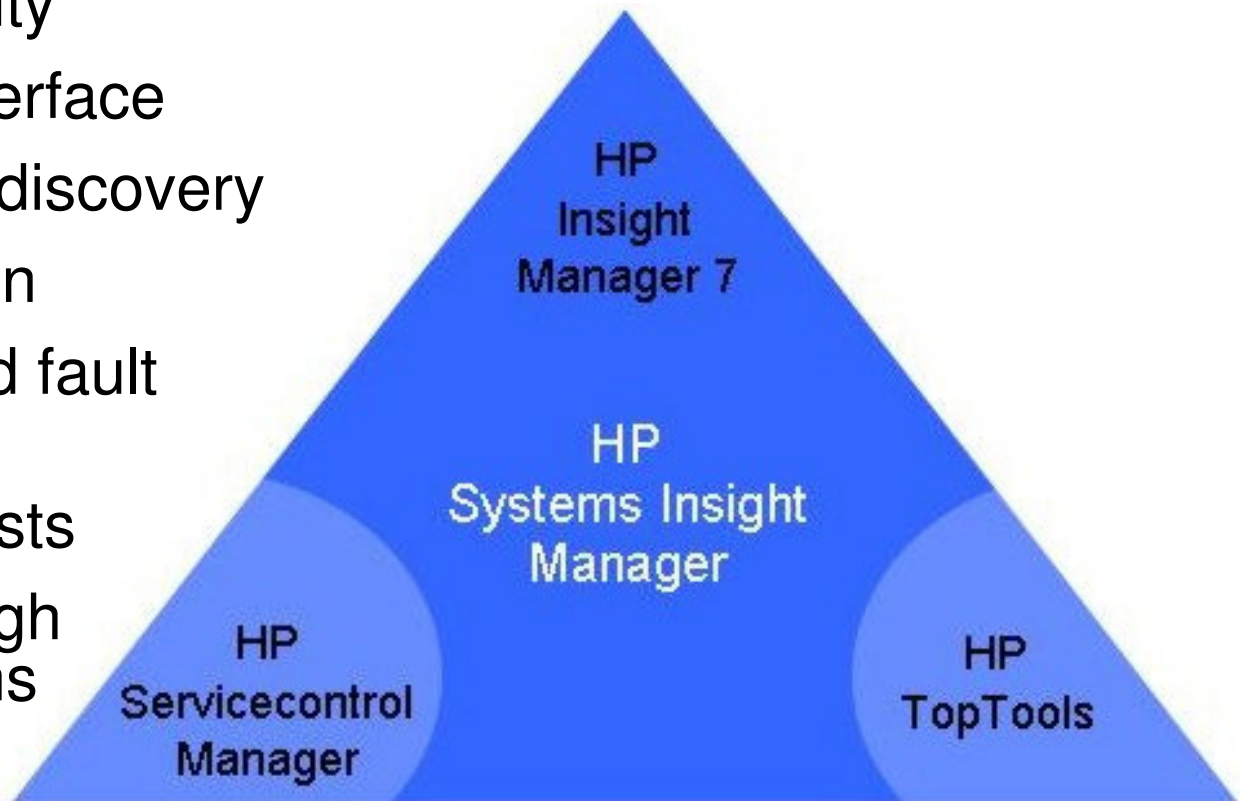
Systems Management Architecture

Web browser interface

Fault and performance management

System software management

Browser access

CMS interface

HP SIM

SQL

ProLiant Support Pack

Version Control Repository

Management Agents

Version Control Agent

Agent layer

WBEM

WMI HTTP DMI SNMP
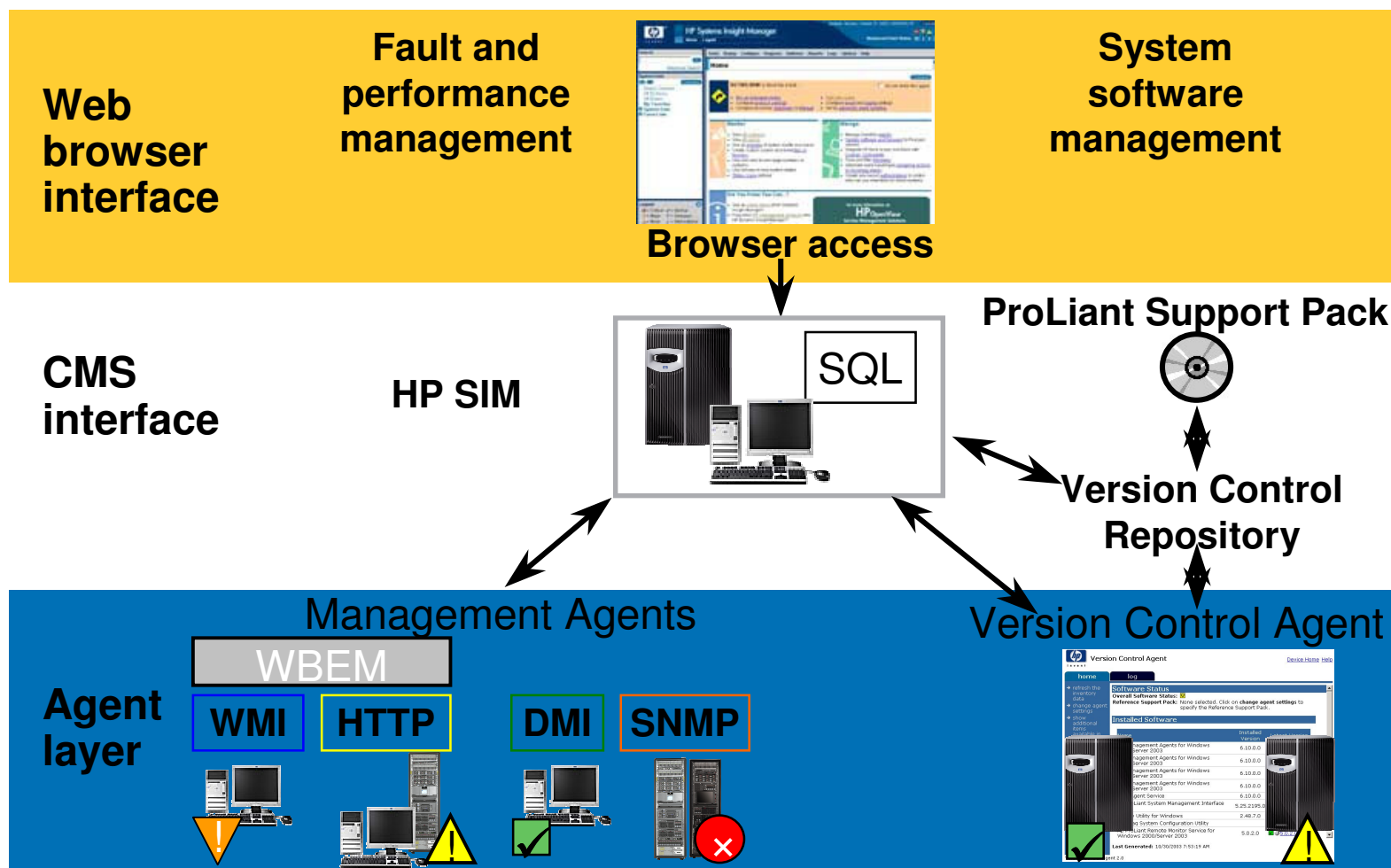
Installing HP SIM

- 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
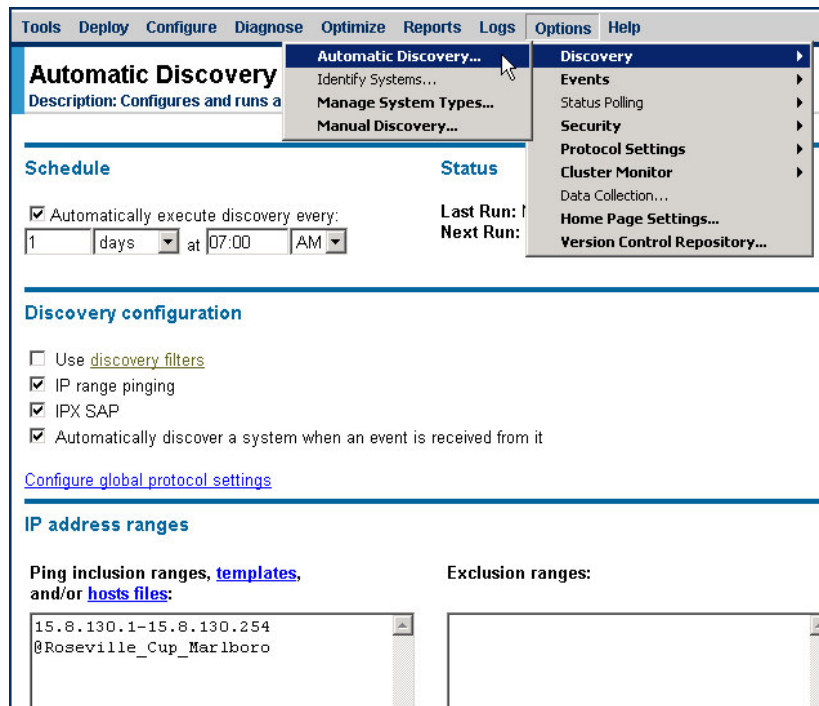
Lab — Running the first device discovery

- 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	• Access all tasks, events, and utilities • Configure systems, users, access, jobs including root level, and security	•All systems
Regional Administrator	• Access system events and configuration utilities • Run jobs • Configure non-root tasks and jobs	• Servers in this region (no other systems visible)
Night Shift Operator Manufacturing department	• Monitor system events • Run backup jobs (jobs have root access, not operator)	• Servers in Manufacturing department (no other systems visible)

Lab — Creating users and authorizations

- Creating users

- Creating toolboxes

- Adding authorizations
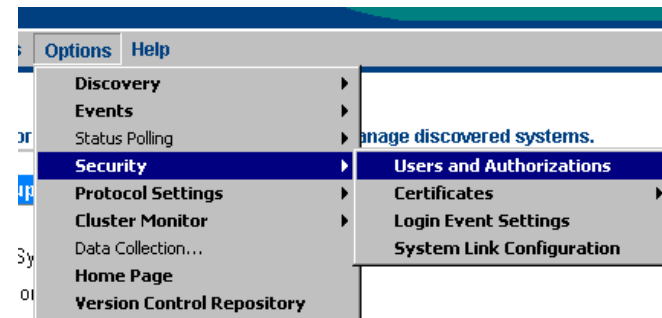
Organizing systems into folders and lists

- 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
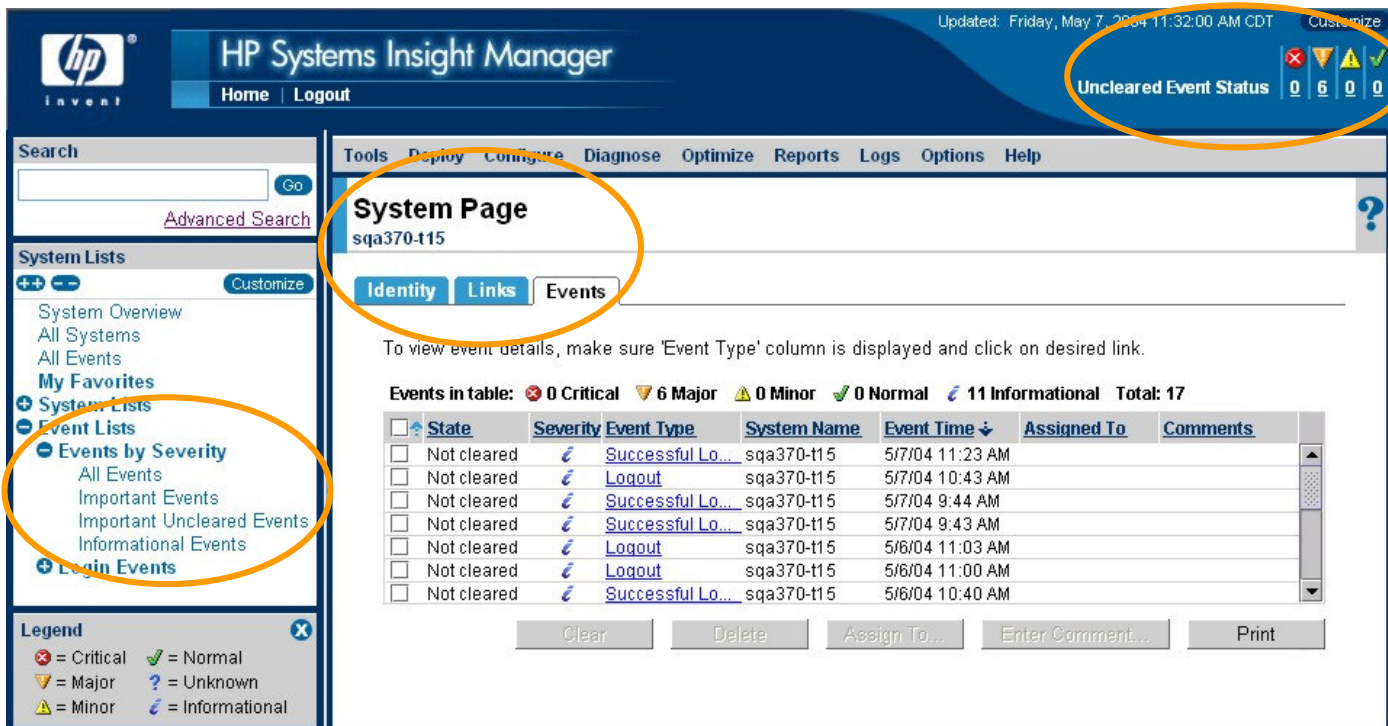- Lab — Running a report

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

Report Name ↑	Target Systems
⦿ Array Controllers - Servers	All Servers
○ CPU - Clients	All Clients
○ CPU - Servers	All Servers
○ DIMM Slots - Servers	All Servers
○ Installed Controllers - Clients	All Clients
○ Installed Controllers - Servers	All Servers
○ Inventory - Clients	All Clients
○ Inventory - Servers	All Servers
○ Logical Disk Drives - Servers	All Servers
○ Network Interface - Servers	All Servers
○ Operating System Information - Clients	All Clients
○ Operating System Information - Servers	All Servers
○ Physical Disk Drives - Servers	All Servers
○ Power Supply - Servers	All Servers
○ ProLiant BL Server Rack - Servers	All Servers
○ System License Information - Systems	All Systems
○ System Software - Servers	All Servers

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

Events

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

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