



HP Systems Insight Manager Best Practices



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Topics for discussion

- **HP SIM Migration**
- **What's new? What's cool? What's useful?**
- **Custom Commands**
- **Security Hardening (SNMP, Firewalls, iLO, SSH, SSL)**
- **Local iLO Configuration**
- **Why use Performance Monitor**
- **Install and configuration**



Migration from Insight Manager 7 to HP Systems Insight Manager





The Basics

The diamond icons are replaced with dropdown menus

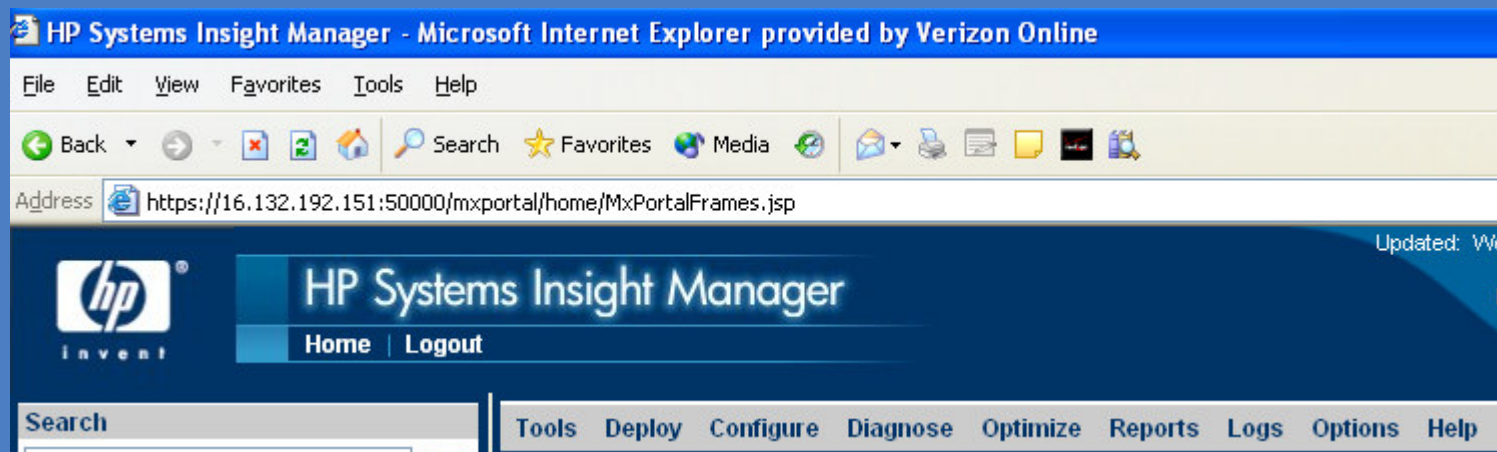
Menus can be customized and menu options added

Specific tools for specific platforms, actions will warn you about inappropriate usage

Uses the same ports for console access: http: 280 and https: 50000 and agent access: http: 2301 and https: 2381

Uses SSL for communication to the agents

Uses SSH for tools





What's it called now?

- **Queries are either Systems Lists or Event Lists**
- **Tasks are still task but**
 - Created using a wizard process under various menus
 - Resulted view in Logs Menu
- **Devices are System Lists**
- **Events are still Events**
- **Application Launch is Custom Tools->Commands**
- **Event Notification is Automatic Event Handlers**
- **Reports are still Reports**





Queries versus Lists – selecting targets

- Imbedded in the tasks
- Simple check boxes in a list
- Preserved for the next task

All Systems

View as: table Customize

Systems in table: 35 Critical 12 Major 1 Minor 42 Normal 5 Unknown Total: 95

<input type="checkbox"/>	H/W	M/P	SW	System Name	System Type	System Address	Product Name	OS Name
<input checked="" type="checkbox"/>				bl20e1s7 in Encl. Enclosure	Server	16.132.194.124	ProLiant BL20p ...	Microsoft Windo...
<input type="checkbox"/>				bursale12	Switch	16.132.192.114	MCDATA SD-64 ...	
<input type="checkbox"/>				bwtkenn01	Desktop	16.132.194.114	Evo N610c	
<input type="checkbox"/>				coarrmichael1	Desktop	16.132.194.61	Evo N610c	
<input type="checkbox"/>				colbywendy	Desktop	16.132.194.183	Evo N610c	
<input type="checkbox"/>				dc-clj4600	Printer	16.132.192.97	HP Jetdirect	
<input type="checkbox"/>				dc-clj9500	Printer	16.132.192.99	HP Jetdirect	
<input type="checkbox"/>				dc-evod510-sff	Desktop	16.132.194.25	Evo D510 SFF	Microsoft Windo...
<input type="checkbox"/>				dc-li4100	Printer	16.132.192.98	HP Jetdirect	
<input type="checkbox"/>				dc-nsr	Unknown	16.132.192.170		
<input type="checkbox"/>				dcbi20-e1s8	Unknown	16.132.192.204		
<input checked="" type="checkbox"/>				dcbi20-e2s2 in Encl. enclos	Server	16.132.194.102	ProLiant BL20p	Microsoft Windo...
<input type="checkbox"/>				dcdl380a2-1	Server	16.132.192.102	ProLiant DL380 ...	Microsoft Windo...
<input type="checkbox"/>				dcdl380a3-2	Server	16.132.194.125	ProLiant DL380 ...	Microsoft Windo...
<input type="checkbox"/>				dcdl580a2	Unmanaged	16.132.192.119		
<input type="checkbox"/>				dcdl760a2	Server	16.132.192.116	ProLiant DL760 ...	Linux - Red Hat
<input type="checkbox"/>				dcllex-bl10e1 in Encl. LEXD	Server	16.132.192.195	ProLiant BL10e	Microsoft Windo...
<input checked="" type="checkbox"/>				dcllex-bl10e2 in Encl. LEXD	Server	16.132.192.196	ProLiant BL10e	Microsoft Windo...
<input type="checkbox"/>				dcllex-bl10e7	Unknown	16.132.192.201		

Save Selection As... Delete Print

Tools Deploy **Configure** Diagnose Optimize R

All System

- Disk Thresholds
- HP-UX Configuration
- Partition Management

Replicate Agent Settings

Description: Copy configurations from one system to groups of systems.

Step 1: Verify Target Systems

System Name	OS	Type	Tool launch OK? ↑	Keep?
bl20e1s7	Microsoft Windows 2000 Advance	Server	Yes	[Remove]
dcbi20-e2s2	Microsoft Windows 2000 Advance	Server	Yes	[Remove]
dcllex-bl10e2	Microsoft Windows XP	Server	Yes	[Remove]

Change Targets Next >



Data Migration Tool for IM7 to HP SIM

- **HP SIM 4.1 has a Data Migration Tool**
- **Requires Insight Manager 7 SP2.3**
- **DMT migration in-place or remote**
- **Performance Management Pack (PMP 2.1) has a DMT to move to HP PMP 3.0**
- **Activated during installation process**
 - Warns about versions
 - Creates DMT files in a special directory
- **Whitepaper:
HPSIM_Transitioning_IM7.pdf**



Data Migration Tool: What Does it Do



- **Migrates**
 - **Users**
 - **Tasks and Notification Tasks**
 - **Queries and Folders**
 - **Devices and Protocol Settings**
 - **All Reports**
 - **Server Settings**
 - **Certificates (in-place only)**
 - **Device Type Manager Rules**
- **Does not migrate**
 - **Events – archived to a CSV file**
 - **Historical or Single Instance Data**
 - **User enrolled MIBs**



To Use the Data Migration Tool or Not?



- **How organized or disorganized is the current IM7**
- **Is the current Insight Manager 7 SP2.3?**
- **Is it OK to take Insight Manager 7 down to upgrade?**
- **Lots of custom**
 - **Queries**
 - **Control Tasks**
 - **Users**
 - **Event Notification Tasks?**
- **No = don't use the tool in place**
- **Yes = use the tool in place or new server**





Migration

- **Take segment or hostfile lists**
 - @segmentfile
 - \$hostfile
- **Good time to clean house**
 - Remove old users, devices, events
 - Delete Orphans
- **Use existing IM7 group configuration to move:**
 - Trusts list – use FQDM name of HP SIM server
 - Accept IP packets list, community names
 - Trap destinations
 - Version Control Repository Manager location





Installation of the Database for HP SIM



Good Things to Know about the Database



- **Using MS SQL for HP SIM on Windows assumes that the user account you are logged into has rights to create the MS SQL database for HP SIM**
- **Linux/HP UX uses PostgreSQL = ~ 250 devices**
- **Assumes that MS SQL has set defaults and uses them, typically:**
 - C:\Program Files\Microsoft SQL Server\MSSQL\Data**
- **Can be changed after the installation**
- **Recommendations:**
 - **Split the log and the data drives**
 - **Use a cluster server for the database**





Database Issue with Events

- **Events collected over a log period of time degrade performance**
- **Purge events regularly: create a task to run weekly that deletes events older than 7 days – that keeps a weeks history**
- **Keep the event volume below 50000**
- **There is a notifications table you can extract events**



Security Challenges?





The Challenge

- **Excessive security challenges?**
- **Options->Security->System Link Configuration and select "Use the system's full DNS name"**
- **Fix Trust by Certificate or Name**
- **Making sure your DNS naming is well behaved, multiple names may not be in the order HP SIM resolves**
- **Bad time with good cookies – synchronize your clocks, enable cookies**





Users

- **Located under Options->Security**
- **Users have profiles:**
 - **What rights**
 - **What toolboxes**
 - **What devices**
- **Still domain accounts not group accounts**

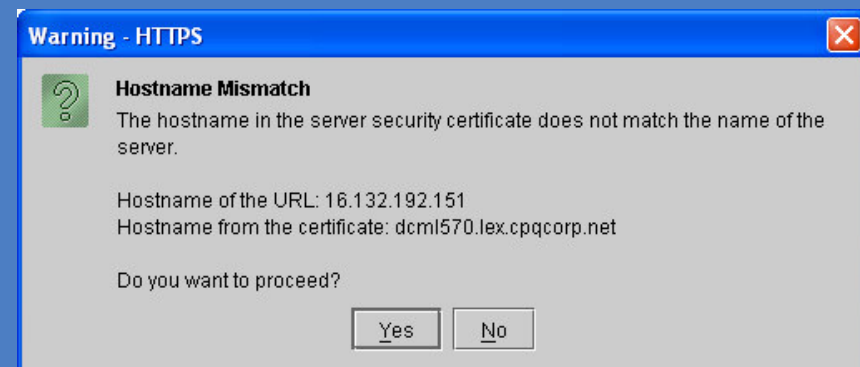


Logs

- **Located Agent's Logs tab**
 - **HTTP**
 - **Security – who has accessed the agent**
 - **Version Control – when and what software, firmware updates**
 - **Integrated Management Logs – what is happening to the device**

Naming

- **HP SIM really likes FQDN, IM7 did not care**
- **Bad things happen if FQDN is not used:**
 - **Challenge pop-ups**
 - **Task failures, especially under deployment**
 - **Use NSLOOKUP to determine authoritative names**
- **Use FQDN for VCRM server names or IP address or create PTR records in the reverse lookup zone**
- **If DNS and reverse lookups are in flux create a host file on the HP SIM server, this helps discovery**



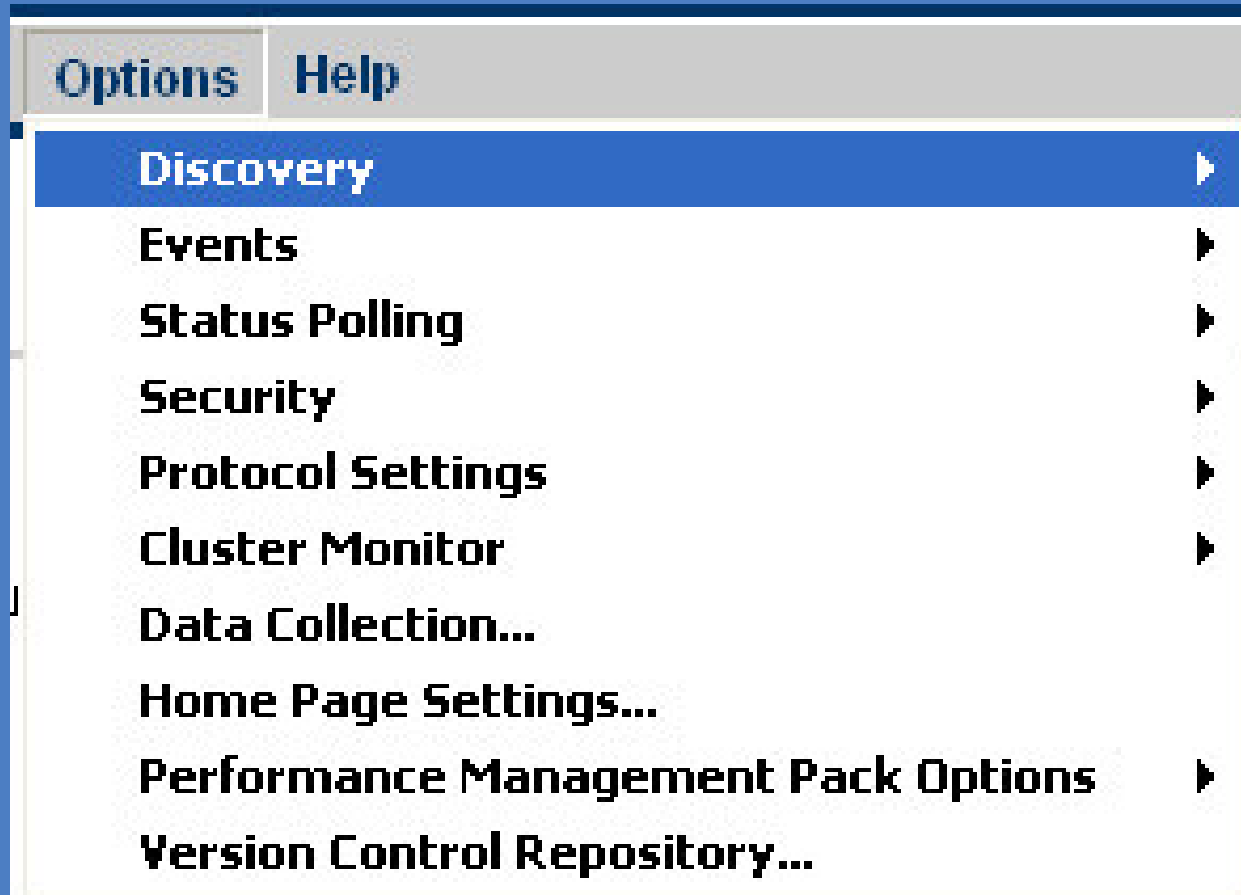


Options Menu





Options Menu





Discovery

- **Located under Options->Discovery**
- **Filters are the same**
- **Methods:**
 - **You can disable PING discovery**
 - **WBEM and configuration added**
 - **More communities (you only need READ_ONLY)**
 - **Windows 2003 sets Accept SNMP Packets to localhost only; add your HP SIM servers**
- **Ranges: same – by segment, by hostfile (can be imported from IM7)**

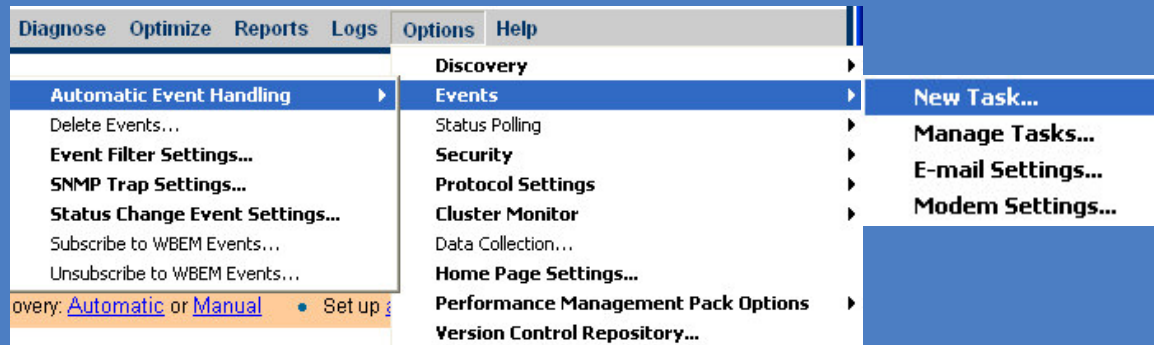


Options Menu





Options-> Events



Event Handlers guide through the selection of events and devices as well as actions to perform

Using New Task or Manage Tasks

E-mail Settings are to set up the Send From Account

Modem Settings enable the use of a local modem for paging



Creating an Event Handler

Six easy steps:

Name it

Select Events

Select Systems

Select Actions

Select Time Filters

Review and Save

Automatic Event Handling - New Task
Description: Create a new task for automatic event handling

Step 1 of 6

Select name

Task name: Claudias Event Handler

Automatic Event Handling - New Task
Description: Create a new task for automatic event handling

Select actions

Send e-mail

To: EventTracker@myhp.com

CC:

Subject: HP SIM Storage Events of Interest

Message format: Pager/SMS

Run custom command

Name: Assign LUN

Assign

Assignee: Lab rats

Forward as SNMP trap

Trap recipients

Name or IP: 16.1.23.114
16.2.11.234

Write to system log

Clear event

< Prev Next >





Event handling – Time filters

Automatic Event Handling - New Task
Description: Create a new task for automatic event handling

Step 5 of 6

- Select name
- Select events
- Select systems
- Select actions
- Select time filter
- Review summary

Select time filter

Select the checkbox to use a time filter. If a time filter is selected, actions will be run only if the events matching the criteria occur during the times specified by the time filter.

Use time filter:

Business Hours Manage Filters

View Filter

< Prev Next >

https://16.132.192.151:50000/mxportal/taskandjob/timeFilterPopup.jsp - Mic...

	AM											PM												
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Sunday																								
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								

Close





Event Handlers – Review and Save

Automatic Event Handling - New Task

Description: Create a new task for automatic event handling

Step 6 of 6

- ✓ Select name
- ✓ Select events
- ✓ Select systems
- ✓ Select actions
- ✓ Select time filter
- Review summary**

Review summary

Review the configuration below and click on 'Finish' to save changes.

Task name: Claudias Event Handler

Time filter: Business Hours

Action(s): Send e-mail
To: EventTracker@myhp.com
CC:
Subject: HP SIM Storage Events of Interest
Message format: Pager/SMS

Run custom command Name: Assign LUN

Forward as SNMP trap To: 16.1.23.114

To: 16.2.11.234

Assign Assignee: Lab rats

E-mail settings: E-mail SMTP host: *hp.com*
Sender: *claudia.peters@hp.com*

Edit e-mail settings...

Make sure that the e-mail settings are correctly configured.

< Prev

Finish





Event Handlers – See How They Run

Automatic Event Handling - Manage Tasks

Description: Modify or delete automatic event handling tasks

Click a row to select and view task results. Total: 5

Name ↑	Page	E-mail	Custom Command	Forward	Assign	Clear	Log	Last Run
<input type="radio"/> Blade Failover Event Handler		✓			✓			6/11/04 12:01 PM
<input checked="" type="radio"/> Blade LUN Reassignment Event Han...		✓	✓		✓			6/28/04 6:44 PM
<input type="radio"/> CAP test Event Handler		✓			✓			Never
<input type="radio"/> Claudias Event Handler		✓	✓	✓	✓			Never
<input type="radio"/> My event traps		✓			✓	✓		Never

New... Edit... Disable Delete

Task details: Blade Failover Event Handler

Owner: LEX-DC1\Administrator Last modified: 6/11/04 12:01 PM

Click a row to select and view task instance details. Total: 1

JobID ↓	Status	Run By	Start Time	End Time
<input checked="" type="radio"/> 4409	✓ Complete	LEX-DC1\Administrator	6/11/04 12:01 PM	6/11/04 12:01 PM

Task instance details

Job status: ✓ Complete Start time: 6/11/04 12:01 PM
JobID: 4409_dcm1570.lex.cpqcorp.net End time: 6/11/04 12:01 PM
Run by: LEX-DC1\Administrator Duration: 2s

Summary status:

No additional details for this task instance.





Options Menu



Performance Manager -> Options Licensing



Options Help

Discovery

Performance Management Pack - Monitoring Administration - Microsoft Internet Explorer provided by Verizon Online

File Edit View Favorites Tools Help

Address <https://dcm1570.lex.cpqcorp.net:2381/pmp/AdminHome.htm> Links >>

hp **Performance Management Pack** [Version](#) | [Help](#)
Monitoring Administration **Current User: Administrator**

Server **Network Storage** Last Updated: Aug 8, 2004 5:46:31 PM

Update Server List

Page 1 of 1 Displaying 1-3 of 3 item(s)

<input type="checkbox"/>	PF	Name	Model	IP Address	Monitor Status	Alert	Log	Sample Rate	Samples
<input type="checkbox"/>	✓	dcm1570	ProLiant ML530 G2	16.132.192.151	Started	✓	✓	120	5
<input type="checkbox"/>	⚠	dm1 srva	ProLiant DL380 G3	16.132.192.86	Started	✓	✓	120	5
<input type="checkbox"/>	✓	dm1 srvb	ProLiant DL380 G3	16.132.192.85	Started	✓	✓	120	5

Apply the following parameters on the selected servers

Monitor Alert Log

Number of samples to determine status: 5

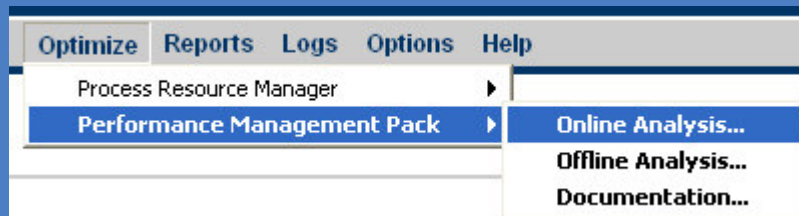
Apply

Done Local intranet





Performance Manager -> Optimize



Online Analysis
 Description: Online Analysis allows you to watch and analyze in real-time the performance of monitored server. It provides an intuitive interface to detail the performance status and inventory of monitored servers and the processors, memory, storage, network connections, and host bus nodes for each server.

Step 1: Verify Target Systems

System Name	OS	Type	Tool Launch OK?	Keep?
dcm1570	Microsoft Windows 2000 Server	Server	Yes	[Remove]

Change Targets Run Now

Online Analysis
 Description: Online Analysis allows you to watch and analyze in real-time the performance of monitored server. It provides an intuitive interface to detail the performance status and inventory of monitored servers and the processors, memory, storage, network connections, and host bus nodes for each server.

Step 1: Select Target Systems

No targets currently selected

Run Now

Choose targets by selecting:

Individual systems in the list:

Systems in table: 15 Critical 12 Major 1 Minor 42 Normal 5 Unknown Total: 75

HW	MP	SW	System Name	System Type	System Address	Product Name	OS Name
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	dcm1330	Server	16.132.192.142	ProLiant ML330	Microsoft Windows ...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	dcm1570	Server	16.132.192.151	ProLiant ML530 G2	Microsoft Windows ...
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	dcmse80	Unknown	16.132.192.143		

Performance Management Pack - Online Analysis - Microsoft Internet Explorer provided by Verizon Online

Address: https://dcm1570.lex.qpsorp.net:2381/jmg/DeviceMan.htm?device_key=02122CA50002&device_type=Server&device_key=deviceName=

Server Name: dcm1570
 Server IP: 16.132.192.151
 Sample Rate: 120 s
 Samples for Status: 5

ProLiant ML530 G2

Analysis Explanation
 At least one component cannot be completely monitored. All completely monitored components are operating normally.

Counters	Last	Average	Minimum	Maximum
Average Processor Utilization%	0	0	0	0
Available MBytes	12.59	17.8	12.59	22.2
Page Faults/Sec	13	177.8	13	344
Network MBytes/Sec	0.0238	0.0103	0.0036	0.0238
Storage MBytes/Sec	0	0	0	0
Host Bus MBytes/Sec	0.0238	0.0103	0.0036	0.0238

Configuration Issues
 Issues identified in Processor configuration.
 Issues identified in Storage configuration.





Options Menu - Security

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview

Users

Toolboxes

System Groups

Authorizations

<input type="checkbox"/> <u>User</u> ↑	<u>Configuration Rights</u>	<u>Pager Configured</u>	<u>IP Login Restrictions</u>	<u>Full Name</u>
<input type="checkbox"/> DCML570\administrator	debug	No	No	
<input type="checkbox"/> LEX-DC1\Administrator	full	No	No	

New...

Edit...

Delete

Report



Options Menu – Adding a User

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

New User

Required field*

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Copy all authorizations of this user or [template]: (none) v

Pager Information

- Central mana
- full, allowe
 - limited, all
 - none, no c

Phone number:

1-800-111-1111

PIN number:

1234567

Login IP Ad Message length (characters):

240 v

Baud rate:

9600 v

Enter an IP Ra
management e

Data format:

7 Data bits, Even parity, 1 stop bit v

browser. If both

Inclusion ran

100.1.23.1-100.1.23.254

100.2.23.1-100.2.23.254

OK

Cancel

Apply





Options Menu – Review New User

HP Systems Insight Manager - Microsoft Internet Explorer provided by Verizon Online

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address: https://16.132.192.151:50000/mxportal/home/MxPortalFrames.jsp

Updated: Sunday, August 8, 2004 5:08:54 PM EDT Customize

System needs attention!
Uncleared Event Status: 43 184 102 116
System Status: 15 12 1 42

hp Invert HP Systems Insight Manager Home Logout

Tools Deploy Configure Diagnose Optimize Reports Logs Options Help

Users and Authorizations
Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview Users **Toolboxes** System Groups Authorizations

<input type="checkbox"/>	User	Configuration Rights	Pager Configured	IP Login Restrictions	Full Name	
<input type="checkbox"/>	DCML570\administrator	debug	No	No		New...
<input type="checkbox"/>	Galaxy\MyGALSa1	limited	Yes	Yes	Report Creator Goddess	Edit...
<input type="checkbox"/>	LEX-DC1\Administrator	full	No	No		Delete
						Report

Legend
Critical = Major = Minor =

Applet com.hp.mx.portal.applet.folders.FoldersUIApplet started Local intranet



Options -> Security Toolboxes

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview | **Users** | **Toolboxes**

<input type="checkbox"/>	Toolbox	Enabled	Description
<input type="checkbox"/>	All Tools	Yes	Master ToolBox added automatically
<input type="checkbox"/>	Monitor Tools	Yes	Monitor ToolBox added automatically

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

New Toolbox

Required field:*

Name: *

Description:

Toolbox is enabled

Show tools in category: _____

Toolbox contents: _____

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview | **Users** | **Toolboxes** | **System Groups** | **Authorizations**

<input type="checkbox"/>	Toolbox	Enabled	Description
<input type="checkbox"/>	All Tools	Yes	Master ToolBox added automatically
<input type="checkbox"/>	Monitor Tools	Yes	Monitor ToolBox added automatically
<input type="checkbox"/>	Viewer Tools	Yes	This tool box is just for Viewing

New... Edit... Delete Report Cancel Apply



Options -> Security Groups

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview | Users | Toolboxes | System Groups | Authorizations

Name	Description
All Managed Systems	All Managed Systems Group
CMS	Central Management Server System Group

New... Edit... Delete Report

New System Group

Required field*

Name: MyViewingGroup

Description: Systems to be Viewed

Systems to include:

Copy systems from this system group: All Managed Systems

Choose individual systems:

Available systems: dc-nsr, dcd1380g3-2, dcd1580g2, dcd1760g2, dclex-b110e2

System group contents: dcb120-e1s5, dcb120-e1s8, dcb120-e2s2, dcd1380g2-1

OK Cancel Apply

System Groups Report

Date/Time: Sunday, August 8, 2004 5:22:45 PM EDT

Name	Member Systems	Description
All Managed Systems	...all managed systems...	All Managed Systems Group
CMS	dcml570	Central Management Server System Group
MyViewingGroup	dcb120-e1s5 dcb120-e1s8 dcb120-e2s2 dcd1380g2-1 dcd1380g3-2 dcd1580g2 dcd1760g2 dclex-b110e2	Systems to be Viewed





Options -> Security Authorizations

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

New Authorizations

Required field:*

Select User(s): *

1 selected

Users and Authorizations

Description: Add, modify, and configure users and authorizations enabling users to view and manage discovered systems.

Overview | Users | Toolboxes | System Groups | **Authorizations**

Enter authorizations for

Copy all a
 Manually

Select Toolboxes: *

1 selected

<input type="checkbox"/>	User	Toolbox	System/System Group	<input type="button" value="Delete"/>
<input type="checkbox"/>	DCML570\administrator	All Tools	All Managed Systems	<input type="button" value="Report"/>
<input type="checkbox"/>	DCML570\administrator	All Tools	CMS	
<input type="checkbox"/>	Galaxy\MyGALSa	Viewer Tools	MyViewingGroup	
<input type="checkbox"/>	LEX-DC1\Administrator	All Tools	CMS	
<input type="checkbox"/>	LEX-DC1\Administrator	All Tools	All Managed Systems	

Select System Group(s) : *
1 selected

- All Managed Systems
- CMS
- MyViewingGroup**

36



Agent Configuration – We
do it until we get it right!



Task to Configure Agent Settings, part 1 – selecting the source



- Offers a list of source systems
- Tells it capabilities
- If it is configurable
- Select the source

Replicate Agent Settings
Targets: bl20e1s7, dcb120-e2s2, dclex-bl10e2.lex.cpqc corp.net

Step 2: Choose Source System

You know the name of the system:

Pick the system from a list

Last update: Thu, 7/15/2004, 9:49 AM EDT

Name	Status	Product Name	Trusted?	Web Agents
<input checked="" type="radio"/> 16.132.194.120	✓	Linux Server	no [configure]	HTTP Server, Insight Management Agents, Configuration History Reports (Survey L
<input type="radio"/> 16.132.194.83	✗	ProLiant BL10e	yes [configure]	HTTP Server, Insight Management Agents, Version Control Agent
<input type="radio"/> bl10e-slot4	▼	ProLiant BL10e	yes [configure]	Configuration History Reports (Survey L HP Insight Diagnostics, HTTP Server, Insight Management Agents, Version Control Agent

< Prev Next >

Last update: Thu, 7/15/2004, 9:49 AM EDT

<input type="radio"/> bl10e-slot4	▼	ProLiant BL10e	yes [configure]	HTTP Server, Insight Management Agents, Version Control Agent
<input checked="" type="radio"/> bl20e1s7	▼	ProLiant BL20p G2	yes [configure]	Configuration History Reports (Survey L HP Insight Diagnostics, HTTP Server, Insight Management Agents, Version Control Agent
<input type="radio"/> dcb120-e2s2	▼	ProLiant BL20p	no [configure]	Configuration History Reports (Survey L HTTP Server, Insight Management Agents, Version Control Agent

< Prev Next >

Task to Replicate Agent Settings, part 2 – configure the source



- Shows the configurable components list
- This options selects the version control attributes and shows the current defaults
- Select Edit to modify

HP Systems Insight Manager - Microsoft Internet Explorer provided by Verizon Online

Address: https://16.132.192.151:50000/portal/home/MyPortalFrames.jsp

Updated: Thursday, July 15, 2004 9:55:02 AM EDT

System Status: 35 12 1 42

Replicate Agent Settings

Targets: bl20e1s7, dclh20-e2s2, dclcx-bl10e2lex.cpqcorp.net

Step 3: Choose Source Configuration Settings

Later changes to the source systems settings do not affect the values saved and set by this tool.

Source system: bl20e1s7

Last update: Thu, 7/15/2004, 9:54 AM EDT

- HTTP Server [edit]
- Settings
- Insight Management Agents [edit]
- SHMP Agent
- SHMP Security
- SHMP Trap Community Names and Destination Hosts
- Management Agents
- Threshold Settings
- Version Control Agent [edit]
- Version Control Agent Configuration Settings

Wake target systems from low power mode before configuring

< Prev Schedule Run Now

Replicate Agent Settings

Targets: bl20e1s7, dclh20-e2s2, dclcx-bl10e2lex.cpqcorp.net

Step 3: Choose Source Configuration Settings

Later changes to the source systems settings do not affect the values saved and set by this tool.

Source system: bl20e1s7

Last update: Thu, 7/15/2004, 9:54 AM EDT

- Threshold Settings
- Version Control Agent [edit]
- Version Control Agent Configuration Settings
- Version Control Agent
 - Version Control Repository Manager Machine Name (value is 16.132.192.151)
 - Login Account Name for the Version Control Repository Manager (value is administrator)
 - Login Password for the Version Control Repository Manager (value is *****)
 - Reference Support Pack (value is ProLiant Support Pack for Microsoft Windows 2000 version 7.10A)
 - Exact version match used for software status calculation (value is No)
 - Log Aging (Days) (value is (Log Aging is not enabled.))
 - Log Page Length (value is 25)

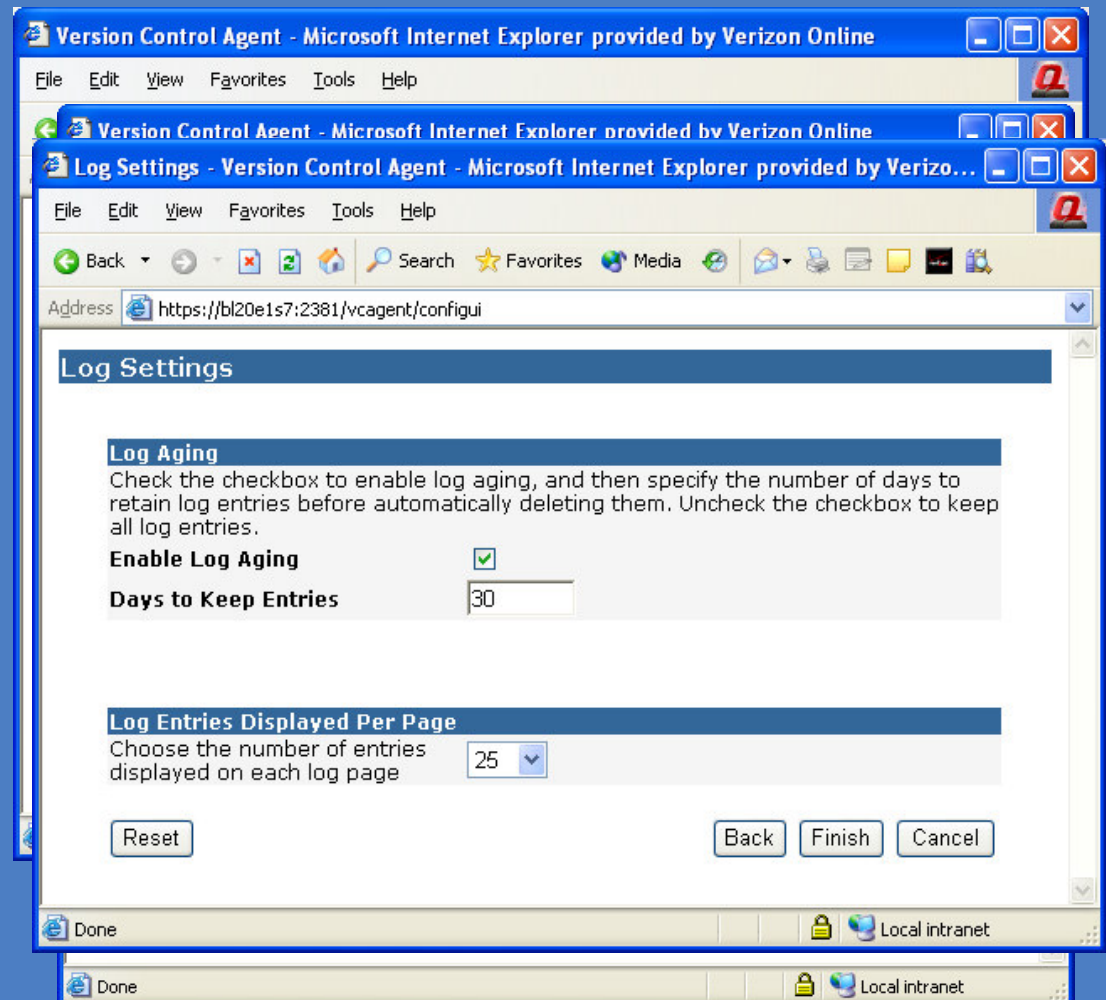
Wake target systems from low power mode before configuring

< Prev Schedule Run Now

Task to Replicate Agent Settings, part 3 – edit the source



- Shows the configurable components list
- This options selects the version control attributes and shows the current defaults
- Select Edit to modify



Task to Replicate Agent Settings, part 4 – select the attributes to send



- Shows the newly configured components, note the change in the log data
- Select Run Now
- Review the results, both successes and failures

Replicate Agent Settings
Targets: bl20e1s7, dcb120-e2s2, dcllex-bl10e2.lex.cpqcorp.net

Step 3: Choose Source Configuration Settings

Later changes to the source systems settings do not affect the values saved and set by this tool.

Source system: bl20e1s7

Last update: Thu, 7/15/2004, 10:04 AM EDT

Insight Management Agents [edit]

- Version Control Agent [edit]
 - Version Control Agent Configuration Settings
 - Version Control Agent
 - Version Control Repository Manager Machine Name (value is 16.132.192.151)
 - Login Account Name for the Version Control Repository Manager (value is administrator)
 - Login Password for the Version Control Repository Manager (value is *****)
 - Reference Support Pack (value is ProLiant Support Pack for Microsoft Windows 2000 version 7.10A)
 - Exact version match used for software status calculation (value is No)
 - Log Aging (Days) (value is 30)
 - Log Page Length (value is 25)

Wake target systems from low power mode before configuring

< Prev Schedule Run Now

Task Results
Description: View status and results of task instances

Status: Complete Target: dcb120-e2s2, bl20e1s7...

ID: 16114 Run by: LEX-DC1\Administrator

Task name: Replicate Agent Settings Start time: 7/15/04 - 10:06 AM EDT

Tool: Replicate Agent Settings End time: 7/15/04 - 10:06 AM EDT

Owner: LEX-DC1\Administrator Duration: 6 sec

Command: N/A

Successes: 1; Failures: 2

System	Result	Web Agent	Details
bl20e1s7	<input checked="" type="checkbox"/>	Version Control Agent	Agent Configured Successfully.
dcb120-e2s2	<input checked="" type="checkbox"/>	Version Control Agent	The agent does not trust the HP Systems Insight Manager server. Establish a trust relationship.
dcllex-bl10e2	<input checked="" type="checkbox"/>	Version Control Agent	Could not configure this agent - it does not exist on the system.
dcllex-bl10e2	<input checked="" type="checkbox"/>		There were no configuration changes sent to this system.

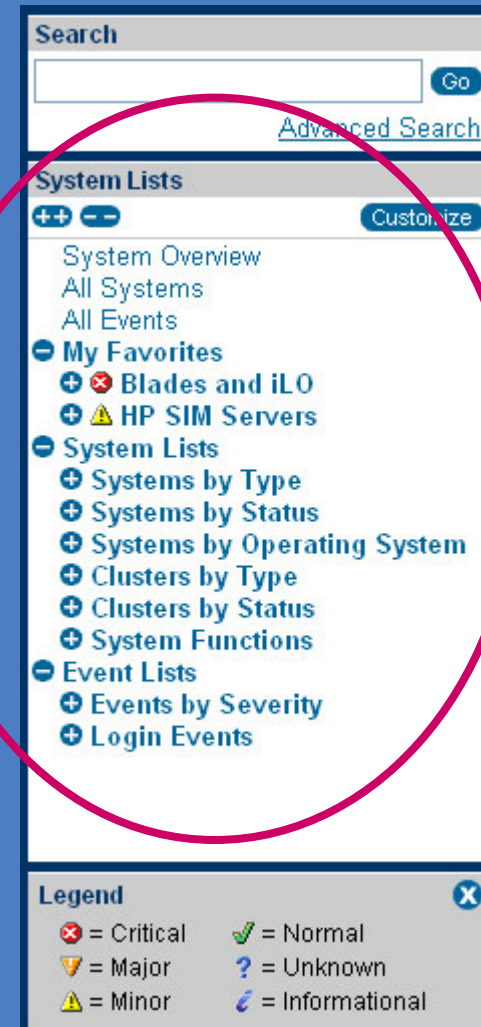


Working with Systems list



System Lists

- **List of systems**
- **Lists of events**
- **My Favorites with status**

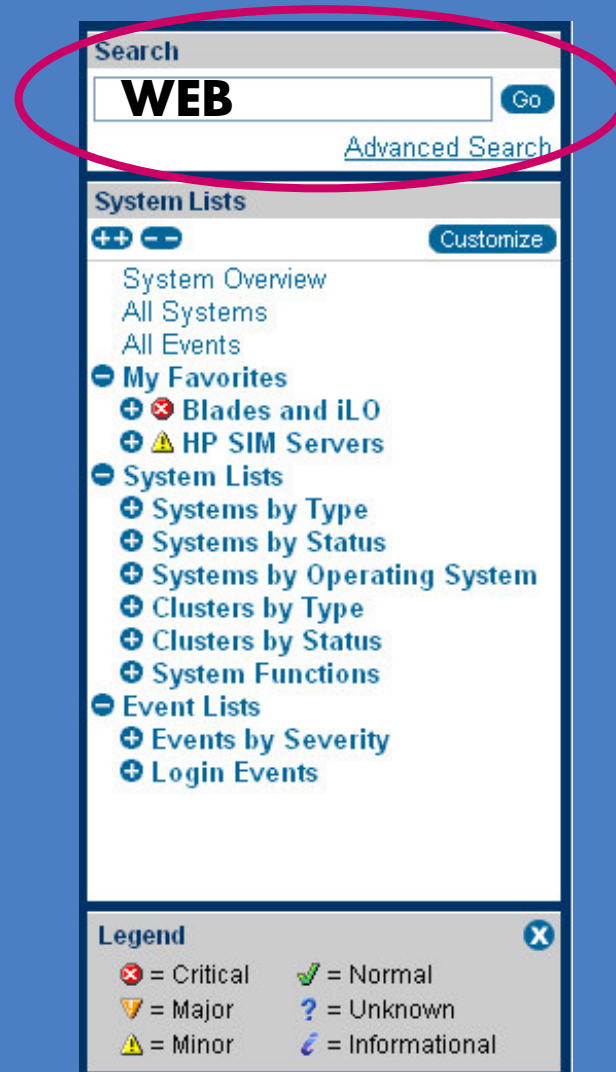


Search

[Advanced Search](#)

Searching

- **Search improved to match across several common attributes**
- **Modify Server Role field of several agents to be "Web Server"**
- **Searching on "Web" will list anything containing that in common attributes fields.**
- **Best way to do some event handlers**










Over all Status

- **Using ISO color and shape codes**
- **Customize view of status**
- **Special messages can be created for critical systems**
- **Still click on the number to view the system list**

Updated: Wednesday, July 14, 2004 1:46:08 PM EDT [Customize](#)

 **System needs attention!**    

Uncleared Event Status	<u>13</u>	<u>44</u>	<u>320</u>	<u>7</u>
System Status	<u>32</u>	<u>12</u>	<u>1</u>	<u>45</u>



Tasks

- Located under Logs->View All Schedule Tasks
- The same status polling and identification tasks
- Displays how long it took to run
 - Determine best interval for status polling in large environments
 - Gauge how long a VCA updates might take (rule of thumb 30 minutes for older machines, 10-15 for newer machines)

All Scheduled Tasks
Description: View, maintain and control scheduled tasks

Click a row to select and view task results Total: 10

Name ↑	Tool	Last Run	Schedule
<input type="radio"/> Bi Weekly Data Collection	Data Collection	7/14/04 - 10:32 AM	Periodic - Next Run
<input type="radio"/> Daily Device Identification	Identify Systems	Running: 98%	Periodic - Next Run
<input type="radio"/> Delete Events Older Than 7 Days	Delete Events	7/14/04 - 10:32 AM	Periodic - Next Run
<input type="radio"/> Hardware Status Polling 1	Hardware Status Polling	7/14/04 - 1:42 PM	Periodic - Next Run
<input type="radio"/> Hardware Status Polling for non Servers	Hardware Status Polling	Running: 80%	Periodic - Next Run
<input checked="" type="radio"/> Hardware Status Polling for Servers	Hardware Status Polling	7/14/04 - 1:42 PM	Periodic - Next Run
<input type="radio"/> Initial Data Collection	Data Collection	7/14/04 - 11:25 AM	Node/Event Driven
<input type="radio"/> Initial Hardware Status Polling	Hardware Status Polling	7/14/04 - 11:25 AM	Node/Event Driven
<input type="radio"/> Software Version Status Polling	Software Status Polling	7/14/04 - 10:32 AM	Periodic - Next Run

Run Now Edit Delete

Task Results

Task name: Hardware Status Polling for Servers **Last modified:** Wed, 7/14/2004, 1:42 PM EDT
Tool: Hardware Status Polling **Target:** [Server Status Polling List](#)
Owner: DCML570\mxadmin **Schedule:** Every 5 minutes
Command: N/A **Next run:** Wed, 7/14/2004, 1:47 PM EDT

Click a row to select and view task instance results Total: 1

End Time	Status	ID ↓
7/14/04 - 1:44 PM	Complete	15612

Stop Delete

Task Instance Results

Status: Complete **Start time:** 7/14/04 - 1:43 PM EDT
ID: 15612 **End time:** 7/14/04 - 1:44 PM EDT
Run by: DCML570\mxadmin **Duration:** 40 sec





New Home Page

- **Customize to your favorite list as new Home Page**
- **Reminder for first things to do:**
 - **Discovery**
 - **Add Users**
 - **Setup email**
 - **Create Event Handlers**

HP Systems Insight Manager - Microsoft Internet Explorer provided by Verizon Online

Address: https://16.132.192.151:50000/mxportal/home/MxPortalFrames.jsp

Updated: Wednesday, July 14, 2004 2:19:07 PM EDT

System needs attention! Uncleared Event Status: 13 44 320 7 System Status: 32 12 1 45

Search: [] Go Advanced Search

System Lists: System Overview, All Systems, All Events, My Favorites, Blades and iLO, HP SIM Servers, System Lists, Systems by Type, Systems by Status, Systems by Operating System, Clusters by Type, Clusters by Status, System Functions, Event Lists, Events by Severity, Login Events

Legend: Critical, Major, Minor, Normal, Unknown, Informational

Tools Deploy Configure Diagnose Optimize Reports Logs Options Help

Home

DO THIS NOW to finish the install: [] Do not show this again

- [Set up managed nodes](#)
- [Add new users](#)
- [Configure protocol settings](#)
- [Configure email and paging settings](#)
- [Set up automatic event handling](#)

Monitor

- [View all systems](#)
- [View all events](#)
- See an [overview](#) of system health and events
- Create custom system and event [lists or favorites](#)
- Use icon view to view large numbers of systems
- Use list view to view system details
- [Status icons](#) defined

Manage

- Manage inventory [reports](#)
- [Update software and firmware](#) for ProLiant servers
- Integrate HP tools or your own tools with [Custom Commands](#)
- Tune and filter [discovery](#)
- Automate event handling by [assigning actions to incoming events](#)
- Create role-based [authorizations](#) to control who can use what tools on which systems

Did You Know You Can...?

- Plug other [HP management products](#) into HP Systems Insight Manager?
- Learn more about how [HP OpenView products](#) and [HP Systems Insight Manager](#) work better

for more information on **HP OpenView** Service Management Solutions

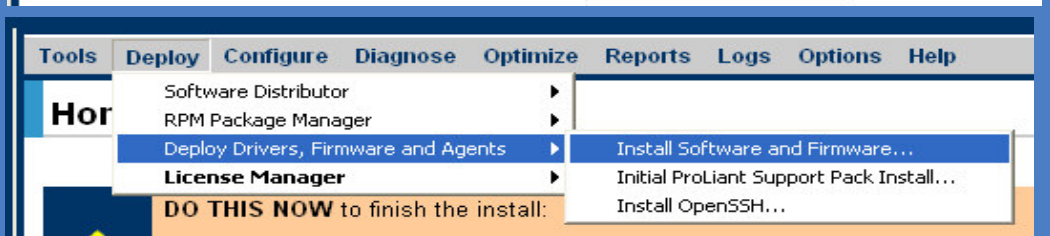
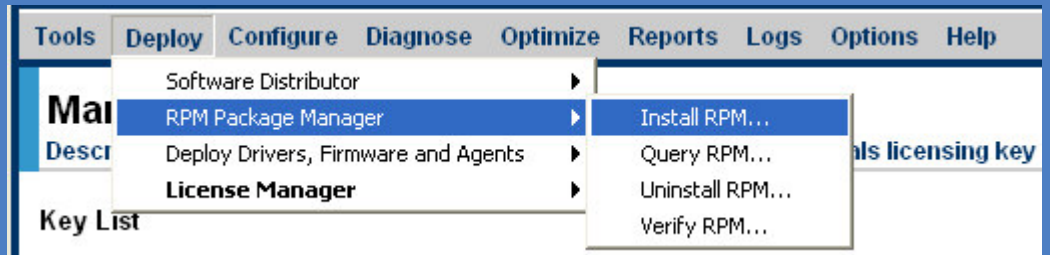
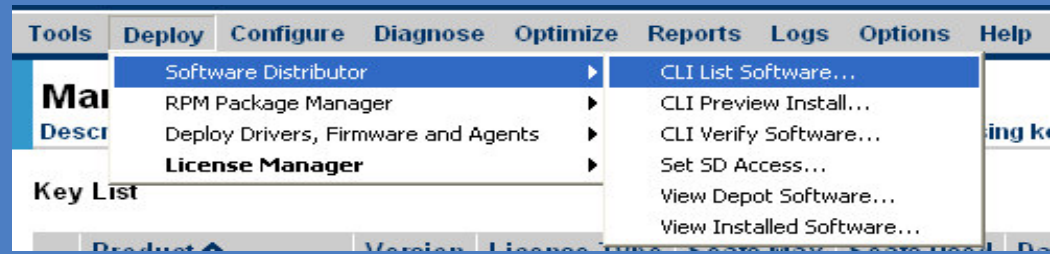
Applet com.hp.mx.portal.applet.folders.FoldersUIApplet started





Deploy Menu

- **Software Distributor**
- **RPM Package Manager**
- **Deploy Drivers, Firmware, and Agents**
- **License Manager**





Deployment Failures

- **Bad Trusts**
- **No VCRM set**
- **Fails because of SSH permissions**

Task Results
Description: View status and results of task instances

Command: /usr/sbin/swverify /usr/bin/swverify

Summary status: 24 Failed 0 Killed 0 Cancelled 0 Complete 0 Running 0 Copying 16 Pending

Click a row to select and view target details

Target Name ↑	Status	Exit Code	Stdout	Stderr
<input type="radio"/> billgreenn610c.americas.cpqcorp.net	Failed	0	No	Yes
<input type="radio"/> bl10e-slot4	Pending	0	No	No
<input checked="" type="radio"/> bl20e1s7	Failed	0	No	Yes
<input type="radio"/> bursale12.lex.cpqcorp.net	Failed	0	No	Yes
<input type="radio"/> coarrmichael1.americas.cpqcorp.net	Pending	0	No	No

Target Details

Target name: bl20e1s7
Exit code: 0
Status: Failed

Stdout Stderr

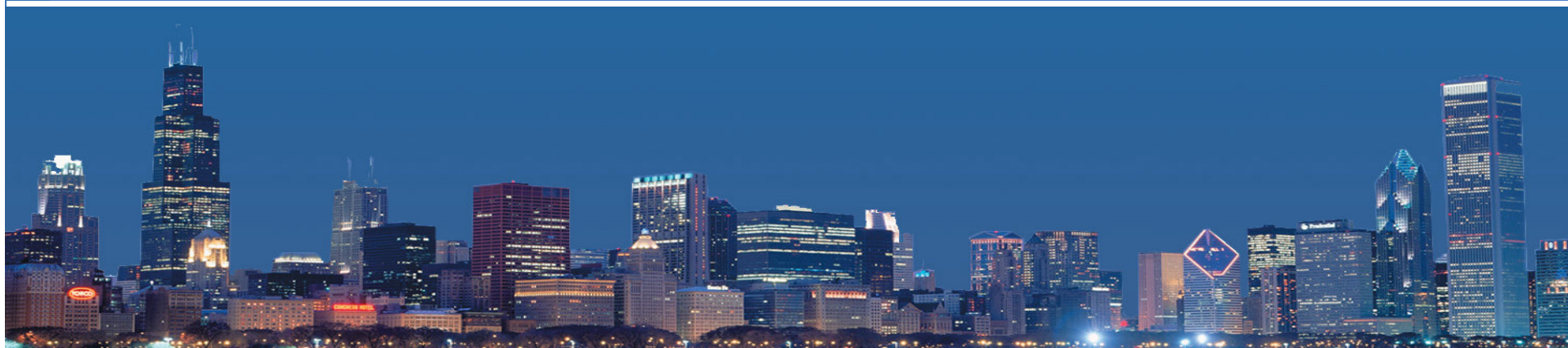
```
EXCEPTION CLASS: com.hp.mx.dtf.sshClient.MxSshFailedConnectionException  
EXCEPTION: Unable to contact the SSH server on node "bl20e1s7".
```





“This is a standard quote slide.
Type your quote inside the
quotation marks.”

Jordan Doe
CIO, ABC Company







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Options Menu

