HP ProLiant Essentials Rapid Deployment Pack SIM Integration Module Installation and User Guide



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Abstract

This guide provides detailed information about installing, configuring, and using the HP ProLiant Essentials Rapid Deployment Pack SIM Integration Module. The Rapid Deployment Pack SIM Integration Module provides the ability to view and deploy undeployed servers from within the HP Systems Insight Manager (HP SIM) console.

Audience Assumptions

To install and configure the Rapid Deployment Pack SIM Integration Module, HP assumes that you have a working knowledge of:

- HP SIM
- HP ProLiant Essentials Rapid Deployment Pack—Windows Edition

Where to Go for Additional Help

Refer to the following sources for additional information about the Rapid Deployment Pack—Windows Edition and HP SIM.

Related Documents

HP recommends reviewing the following documentation before reading this guide:

- HP ProLiant Essentials Rapid Deployment Pack Planning Guide
- HP ProLiant Essentials Rapid Deployment Pack—Windows Edition Support Matrix
- HP ProLiant Essentials Rapid Deployment Pack—Windows Edition Installation Guide
- HP Systems Insight Manager Installation and User Guide

HP recommends reviewing the *HP ProLiant Essentials Rapid Deployment Pack—Windows Edition User Guide* after reading this guide.

All of the Rapid Deployment Pack documents can be found in PDF format at <u>http://www.hp.com/servers/rdp</u>, from the Rapid Deployment Pack CD autorun utility, at \docs on the product CD, and at .\docs on the Deployment Server.

HP SIM documents can be found in PDF format at <u>http://www.hp.com/go/hpsim</u> and at .\docs on the HP Management CD.

Online Resources

- HP ProLiant Essentials Rapid Deployment Pack website at http://www.hp.com/servers/rdp
- HP ProLiant Essentials Rapid Deployment Pack Knowledge Base at http://www.hp.com/servers/rdp/kb
- HP Systems Insight Manager website at http://www.hp.com/go/hpsim
- ITRC User Forum "ProLiant Deployment & Provisioning" at http://forums.itrc.hp.com
- Altiris website at <u>http://www.altiris.com</u>

Telephone Numbers

For the name of your nearest HP authorized reseller:

- In the United States, call 1-800-345-1518.
- In Canada, call 1-800-263-5868.

For HP technical support:

- In North America:
 - Call 1-800-HP-INVENT (1-800-474-6836). This service is available 24 hours a day, 7 days a week. For continuous quality improvement, calls may be recorded or monitored.
 - If you have purchased a Care Pack (service upgrade), call 1-800-633-3600. For more information about Care Packs, refer to the HP website at <u>http://www.hp.com</u>.
- Outside North America, call the nearest HP Technical Support Phone Center. For telephone numbers for worldwide Technical Support Centers, refer to the HP website at http://www.hp.com/support.

Prerequisites

The following requirements must be met before installing the Rapid Deployment Pack SIM Integration Module.

- If you plan to install Rapid Deployment Pack—Windows Edition and HP SIM on the same server, and you plan to use Microsoft SQL Server 2000 Desktop Engine (MSDE), you must install MSDE and Rapid Deployment Pack—Windows Edition from the Rapid Deployment Pack—Windows Edition CD 1 before installing HP SIM.
- Microsoft .NET Framework 1.1 must be installed. This software is available from the Rapid Deployment Pack—Windows Edition CD 1.
- HP SIM 4.2 must be installed with both OpenSSH and Windows Management Instrumentation (WMI) Mapper. This software is available from the HP Management CD.

IMPORTANT: If HP SIM 4.2 is installed on a Microsoft® Windows® Server 2003 system and a local administrator account does not exist or has been renamed, refer to *Secure Shell (SSH) in HP Systems Insight Manager* located on the Management CD or at http://h18013.www1.hp.com/products/servers/management/hpsim/infolibrary.html#whitepapers.

• You must have logged into HP SIM at least once.

Installation

Complete the following procedures to install the Rapid Deployment Pack SIM Integration Module.

- 1. Log in to the HP SIM Central Management Server (CMS) under the account that was used to install HP SIM. Normally, this account is the local administrator account.
- 2. Insert the Rapid Deployment Pack—Windows Edition CD 1 into the CD-ROM drive.
- 3. Run [CD-ROM drive:]\sim\setup.exe.
- 4. Enter the name and password entered during the HP SIM installation. Click Next.

🐻 HP SIM Integratio	n Module Installation		×
Installation Option Set installation o	ns Iptions.		
These options	are needed to install the Dep	bloyment Server synchron	ization feature.
SIM Credentials			
Enter the name an Administrator acco	d password that you entered unt.	during the HP SIM install.	Normally this is the local
Name ad	ministrator		
Password .	•••••		
		< <u>B</u> ack	Cancel

5. Enter the IP address of both the Deployment Server and the Deployment Server Web Console, and click **Next.**

🐞 HP SIM Integration Module Installation	×
Installation Options Set installation options.	
These options are needed to install the SIM job scheduling feature.	
Deployment Server	_
Enter the IP address of your "primary" Deployment Server. This will be the one that the list of computers and jobs will be retrieved from.	
IP Address 192_168_102_1	
Deployment Server Web Console	_
Enter the IP address of your Deployment Server Web Console.	
IP Address 192_168_102_1	
< <u>B</u> ack <u>Next</u> > Cancel	

6. Click **Install** to begin the software installation.

To HP SIM Integration Module Installation	×
Installation Click Install to begin. When the installation is complete then click Next.	
Installation Tasks Copy synchronization utility Copy deployment menus Register tools Register tasks	
< <u>B</u> ack	

7. When the installation is complete, click **Next.**

🐻 HP SIM Integration Module Installation	×
Installation Click Install to begin. When the installation is complete then click Next.	
Installation Tasks	
 Copied synchronization utility Configured synchronization utility Copied deployment menus Registered tools Registered tasks 	
< <u>B</u> ack Cance	1

8. Click Finish.

🐻 HP SIN	M Integration Module Installation	×
Finish	1	
-		-
	Installation was successful.	
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Configuration

- 1. Download and install the Altiris Deployment Server Web Console ActiveX control on the HP SIM CMS.
 - a. Access the Deployment ServerWeb Console using either of the following methods:
 - From the HP SIM console, select Deploy>Rapid Deployment Pack>Launch Web Console.
 - Open Microsoft Internet Explorer, and access <u>http://IPaddress/DSWeb/default.aspx</u>, where *IPaddress* is the IP address of the Deployment Server Web Console.
 - b. When prompted for the AltirisNSConsole.cab control, click Yes.

Security Warning	×
	Do you want to install and run "http://10.10.10.3/DSWeb/utils/AltirisNSConsole.cab" signed on 2004.03.14 07:14 PM and distributed by: <u>Altiris Inc</u> Publisher authenticity verified by VeriSign Class 3 Code Signing 2001 CA
	Caution: Altiris Inc asserts that this content is safe. You should only install/view this content if you trust Altiris Inc to make that assertion.
	Yes <u>N</u> o <u>M</u> ore Info

- 2. In the HP SIM console, disable the automatic server blade discovery feature.
 - a. Select **Options>Discovery>Automatic Discovery.**
 - b. Deselect the Automatically discover a server blade when its Integrated Lights Out management processor is identified checkbox.
 - c. Click Save.

- 3. If you have enabled security in the Deployment Server Console, modify the synchronization utility configuration file with your console name and password.
 - a. From a text editor, open the .\hpwebadmin\webapps\root\mxport\dobby\scan.xml file, located in the HP SIM installation directory.
 - b. Change the lines:

```
<dsconsolecredentials>
<name></name>
<password></password>
</dsconsolecredentials>
```

to:

```
<dsconsolecredentials>
<name>myname</name>
<password>mypassword</password>
</dsconsolecredentials>
```

where myname and mypassword are the name and password of a Deployment Server Console account with administrator-level privileges.

- 4. If you plan to deploy servers using Linux or VMware scripted install jobs, perform the following steps on the Deployment Server to enable HP SIM to identify these servers after deployment:
 - a. From a text editor, open the .\lib\software\yyyy\rdpinstall.dat file, where yyyy is the ProLiant Support Pack.
 - b. Refer to the instructions in the file to add the appropriate SNMP information.
 - c. Repeat steps a and b for each version of the ProLiant Support Pack in the .\lib\software directory.

Using the Rapid Deployment Pack SIM Integration Module

With the Rapid Deployment Pack SIM Integration Module, you can:

- Obtain information about new, undeployed servers from the Altiris Deployment Server database and import that information into the HP SIM database
- Select one or more undeployed servers in the HP SIM console and use the Altiris Deployment Wizard to schedule a job on those servers

The following menu items and associated task are integrated into the HP SIM console toolbar with the installation of the Rapid Deployment Pack SIM Integration Module.

🗿 HP Systems Insight Manager - Microsoft Internet Explorer							
File Edit View Favorites Tools Help							
Address A https://document.com							
Aguress Controls://iocanosc:Subbu/iixporca/i	ione,mxPortairranes.jsp						
	Update	d: Tuesday, December 21, 2004 4:43:04 PM CST Customize					
HP Syster	ns Insight Manager						
invent Home Logout	t	Uncleared Event Status 5 0 0 0					
Search	Tools Deploy Configure Diagnose Optimize R	eports Logs Options Help					
Go	Rapid Deployment Pack >	Synchronize with Deployment Servers					
Advanced Search	All Software Distributor	Schedule a Job					
System Lists	RPM Package Manager	Launch Web Console					
Customize	Viet Deploy Drivers, Firmware and Agents	Customize					
System Overview	Su Cicense Hanager	. 1 Normal 🛛 O Disabled 💡 O Unknown Total: 6					
All Systems	HW MP SW PF VPM System Name + Syst	em System A Product Name OS Name					
All Events	DL360G2BOTTOM Serv	er ProLiant DL360 G2 Undeployed					
System Lists	DL360G2TOP Serv	er ProLiant DL360 G2 Undeployed					
C Event Lists	ML310LEFT Serv	er ProLlant ML310 G1 Undeployed er ProLlant ML310 G1 Undeployed					
		er ProLiant ML530 G2 Undeployed					
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Synchronize with Deployment Servers

The Synchronize with Deployment Server task collects server information from the Deployment Server database and imports this information into the HP SIM database.

After the Rapid Deployment Pack SIM Integration Module is installed, the synchronization task executes immediately and then automatically executes every 15 minutes.

To change the frequency at which the synchronization task executes:

- 1. Select Logs>View All Schedule Tasks, and select the Synchronize with Deployment Servers task.
- 2. Click Edit, change the schedule frequency as necessary, and click Done.

To manually run the synchronization task at a time other than that which is scheduled, either:

- Select Logs>View All Scheduled Tasks, and select the Synchronize with Deployment Servers task. Click Run Now to run the task immediately.
- Select **Deploy>Rapid Deployment Pack>Synchronize with Deployment Servers** to create a new task, either designating a time to run the task or clicking **Run Now** to run the task immediately.

Schedule a Job

The Schedule a Job menu item enables you to schedule a Rapid Deployment Pack job to run on undeployed servers.

NOTE: A maximum of 24 undeployed servers can be selected at a time from this menu item.

NOTE: All the jobs on the Deployment Server are displayed. HP recommends selecting a job that deploys an operating system.

To schedule a job from the HP SIM console:

- 1. Select Deploy>Rapid Deployment Pack>Schedule a Job.
- 2. Select the checkbox next to the undeployed servers on which to run the job, and click **Apply Selections.**

🗿 https://localhost - Schedule a Job - Microsoft Internet Explorer 📃 🔲 🗙										
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						~ ~ ~ ~ ~ ~ ~ ~ ~				
Schedule a Job Description: Schedule a job to run on the selected nodes.										
Step 1: Select Target Systems										
	No targets currently selected									
	Run Now									
Cho	ose t	arge	ts b	y selecti	ing:					Apply Selections
(Ind	lividu	al sy	/stems in	n the lis	t: All Systems		•		
Summary: 🥹 5 Critical 🔻 0 Major 🚽 1 Normal 🧭 0 Disabled 💡 0 Unknown Total: 6										
		<u>HW</u>	<u>MP</u>	SW PF	VPM	System Name 🕈	System Type	System Address	Product Name	OS Name
		8	?	1	2	DL360G2BOTTOM	Server		ProLiant DL360 G2	Undeployed
		8	?	1	2	DL360G2TOP	Server		ProLiant DL360 G2	Undeployed
		3	?	1	2	ML310LEFT	Server		ProLiant ML310 G1	Undeployed
		8	?	1	2	ML310RIGHT	Server		ProLiant ML310 G1	Undeployed
		8	?	1		ML530G2	Server		ProLiant ML530 G2	Undeployed
		1			i	sim	Unknown	10.10.10.5		
e										🔒 😼 Local intranet 🛛 🖉

3. Verify that the correct servers are displayed in the list, click **Change Targets** if it is necessary to go back and reselect servers, and then click **Run Now.**

- 4. If prompted for Windows credentials, provide credentials that can be validated by the Microsoft Internet Information Services (IIS) installed on the Deployment Server Web Console.
- 5. At the Altiris Deployment Wizard, expand the Deployment Server node to display the list of available jobs. Select the appropriate deployment job, and click **Next.**

ttp://10.10.10.3 - Deployment Wizard - Microsoft I Elle Edit View Favorites Iools Help	nternet Explorer	
Select a Job Please select a job to schedule.	🛛 🕤 meula 🐨 🛛 🖂 L	
Deploy ProLiant ML/DL/BL + Re Deploy ProLiant ML/DL/BL + SL Deploy ProLiant ML/DL/BL + SL	Selected Job Name : [Description : No description availabl Conditions : (default)	eeploy ProLiant ML/DL/BL + Windows 2000 erver + PSP e
Deploy ProLiant ML/DL/BL + VM	Task	Details
Deploy ProLiant ML/DL/BL + Wi	Run Script	Deploy System Configuration
Deploy ProLiant ML/DL/BL + Wi	Power Control	Restart
Deploy ProLiant ML/DL/BL + Wi	Run Script	Deploy Array Configuration
Final Server Deployment Toolbox	Power Control	Restart
	Denloyment Wizard	
altiris'	2 of 2	Back Next Cancel
Done	2010	There is a construct of the construct of

6. Either select **Run immediately** to run the job now or designate a time to run the job later, and click **Finish**.

🚰 http://10.10.10.3 - Deployment Wizard - Microsoft Internet Explorer	
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😋 Back 🔹 🕘 👻 😰 🏠 🔎 Search 🛭 👷 Favorites 😻 Media 🛛 🤗	in the second se
Schedule Job Please choose when you would like run the selected job o	on the selected computers.
Selected computers - 2 Computer(s)	Selected jobs — 1 Job(s)
6	9
∰ ML310LEFT, ML310RIGHT	Deploy ProLiant ML/DL/BL + Windows 2000 Server + PSP
 C Assign but do not schedule or run C Run immediately C Schedule to run at a later time Schedule options: □ Repeat this job every: 1 Minutes ▼ □ Defer this job up to: 5 Minutes ▼ 	
□ Schedule in batches of 25 computers at 5 minut	te intervals
Septoyment W	Back Finish Cancel
Wizard Step 2 of {3	3}
E Done	📄 📄 👘 Internet

7. On the final page of the Altiris scheduling wizard, click the **Status** column header to update the job status. Job status can also be viewed from the Deployment Server Console or the Deployment Server Web Console.



8. Click Close to close the Altiris Deployment Wizard.

When the deployment job is complete, HP SIM identifies the server, and the updated server information appears in the HP SIM console.

Launch Web Console

The Launch Web Console menu item provides a convenient shortcut to the full Altiris Deployment Server Web Console. To launch the Deployment Server Web Console from the HP SIM console, select **Deploy>Rapid Deployment Pack>Launch Web Console.** The Altiris Deployment Server Web Console displays in a separate window.