

# 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 <http://www.hp.com/servers/rdp>, 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 <http://www.hp.com/go/hpsim> and at .docs on the HP Management CD.

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## 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 <http://www.altiris.com>

## 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 <http://www.hp.com>.
- 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>.

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## 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.

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## 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 Integration Module Installation**

**Installation Options**  
Set installation options.

These options are needed to install the Deployment Server synchronization feature.

**SIM Credentials**

Enter the name and password that you entered during the HP SIM install. Normally this is the local Administrator account.

Name: administrator

Password: ●●●●●●●●●●

< Back    Next >    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.

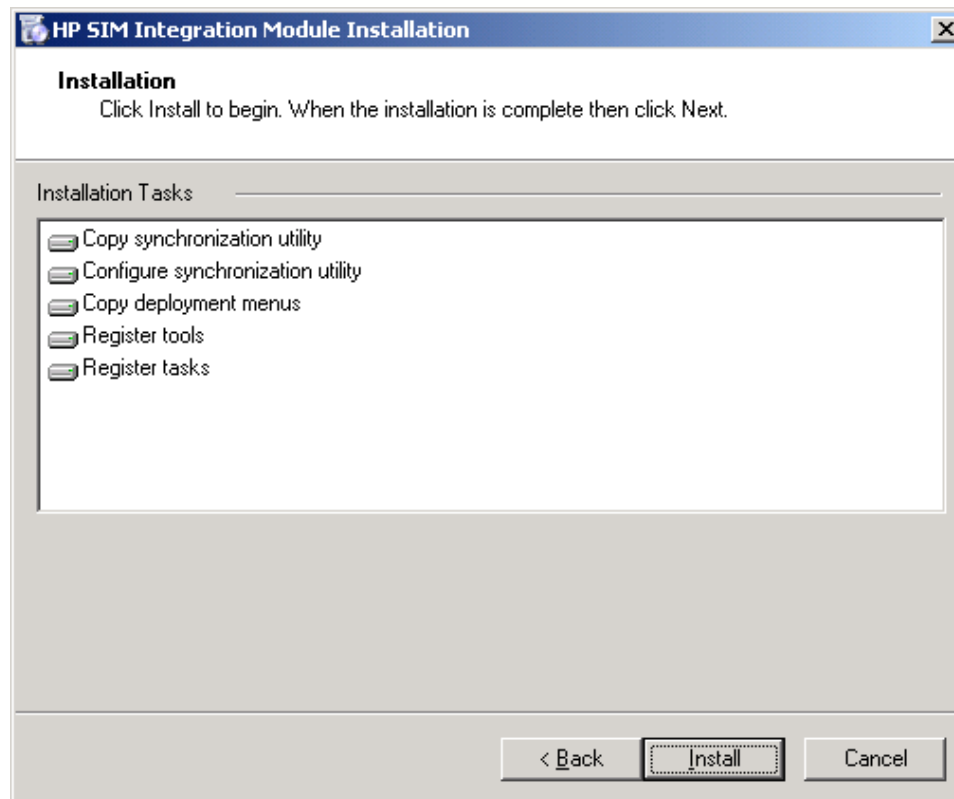
These options are needed to install the SIM job scheduling feature.

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

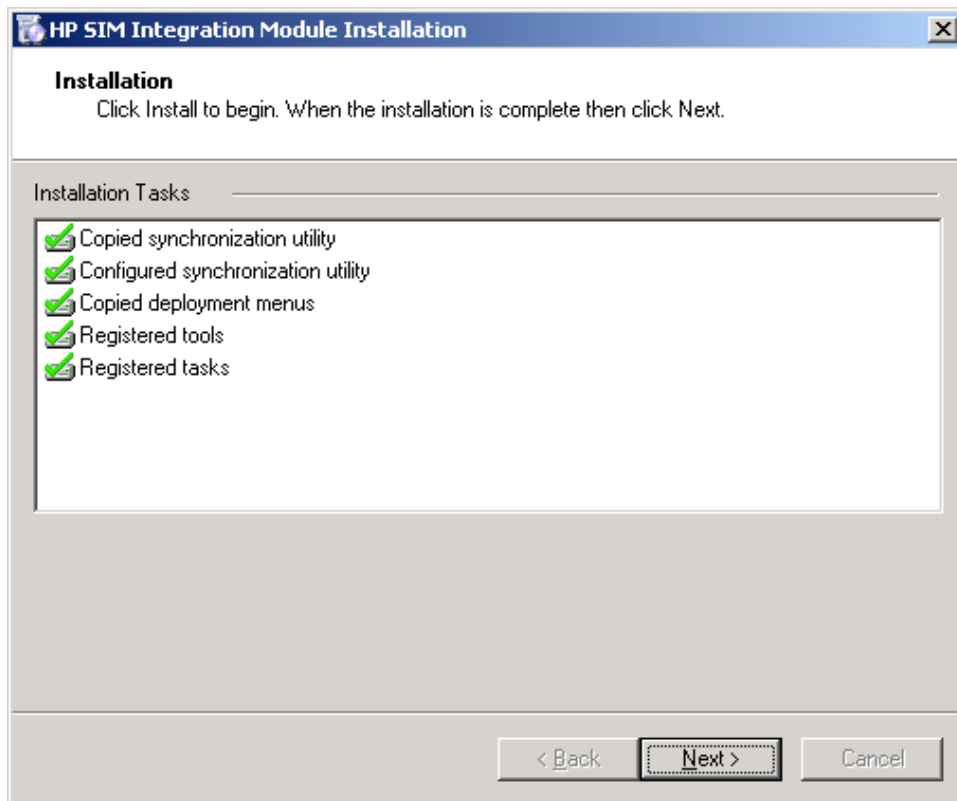
Deployment Server Web Console \_\_\_\_\_  
Enter the IP address of your Deployment Server Web Console.  
IP Address

< Back    **Next >**    Cancel

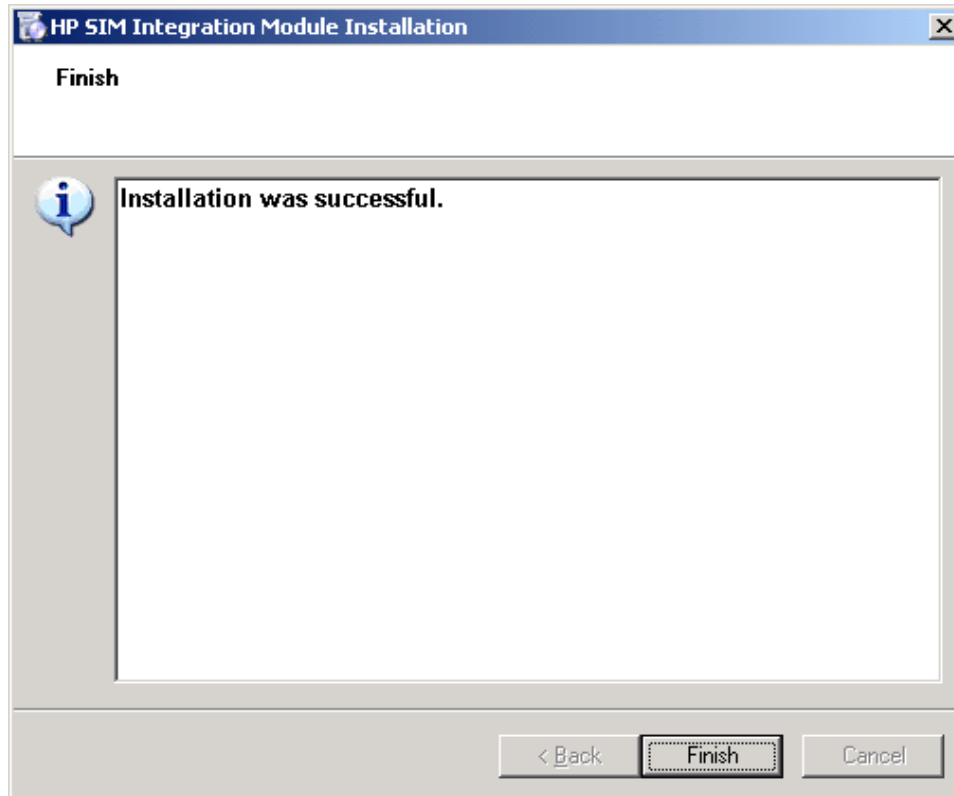
6. Click **Install** to begin the software installation.



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



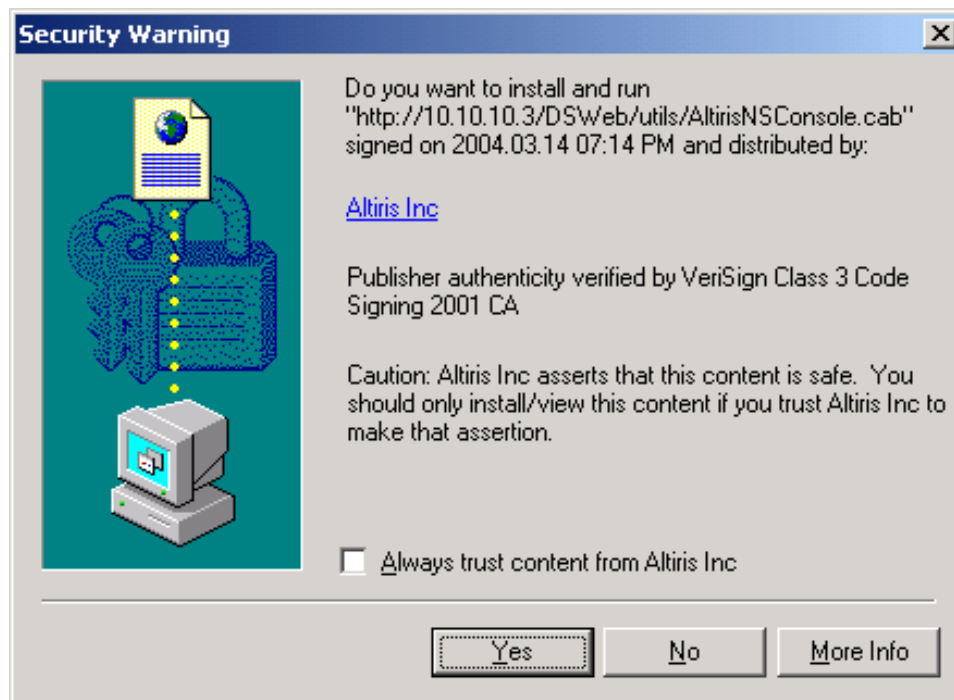
8. Click **Finish**.



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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 Server Web 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 <http://IPaddress/DSWeb/default.aspx>, where *IPaddress* is the IP address of the Deployment Server Web Console.
  - b. When prompted for the AltirisNSConsole.cab control, click **Yes**.



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**.

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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.

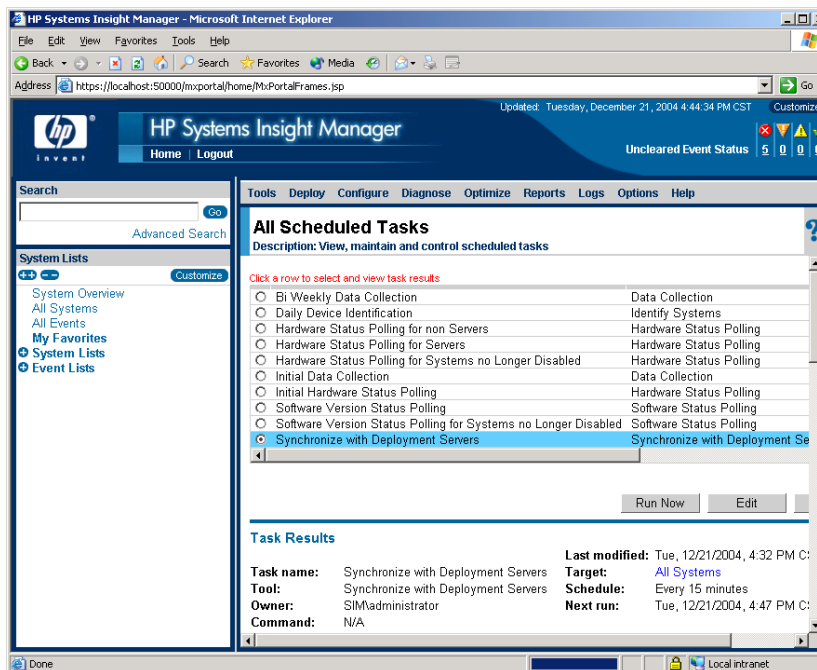
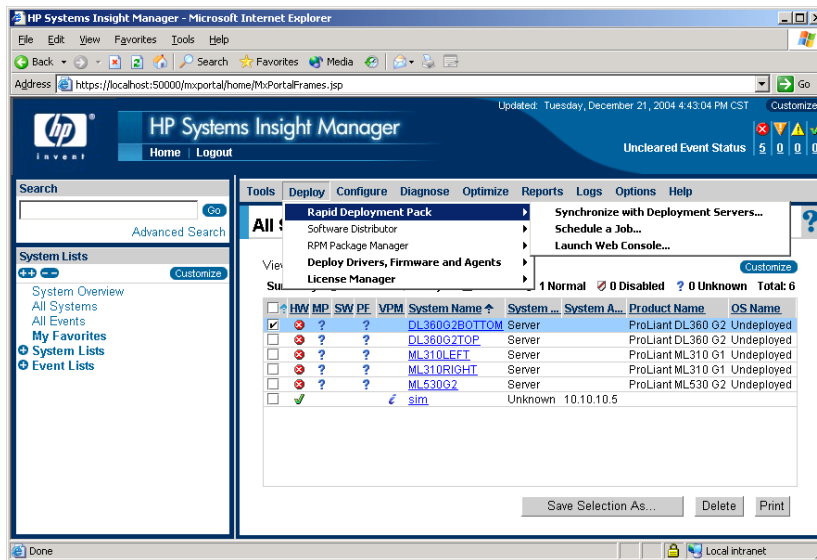
4. If you plan to deploy servers using Linux or VMware scripted install jobs, perform the following steps on the Deployment Server to enable HP SIM to identify these servers after deployment:
  - a. From a text editor, open the `.lib\software\yyyy\rdpinstall.dat` file, where `yyyy` is the ProLiant Support 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.



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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

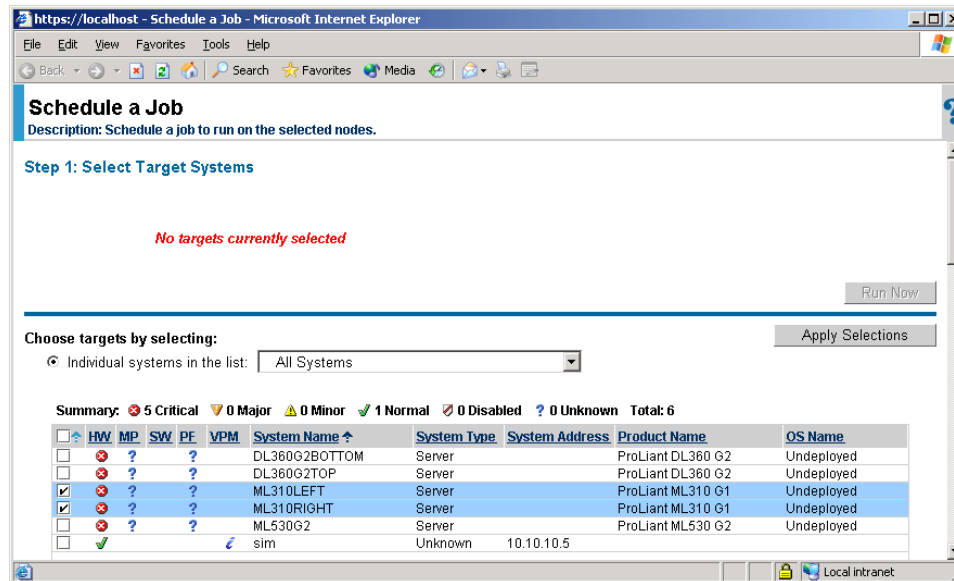
The Schedule a Job menu item enables you to schedule a Rapid Deployment Pack job to run on undeployed servers.

**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.

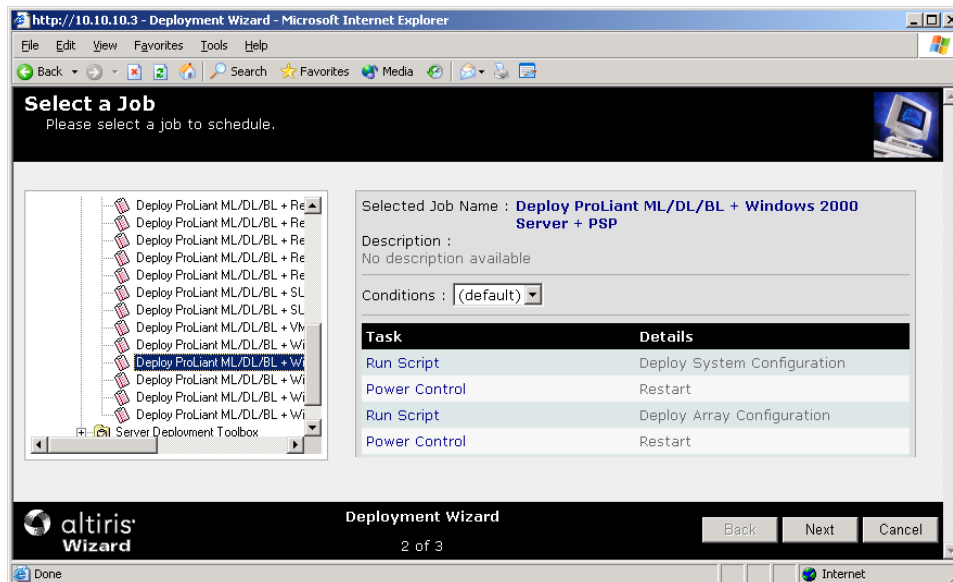
To schedule a job from the HP SIM console:

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**.

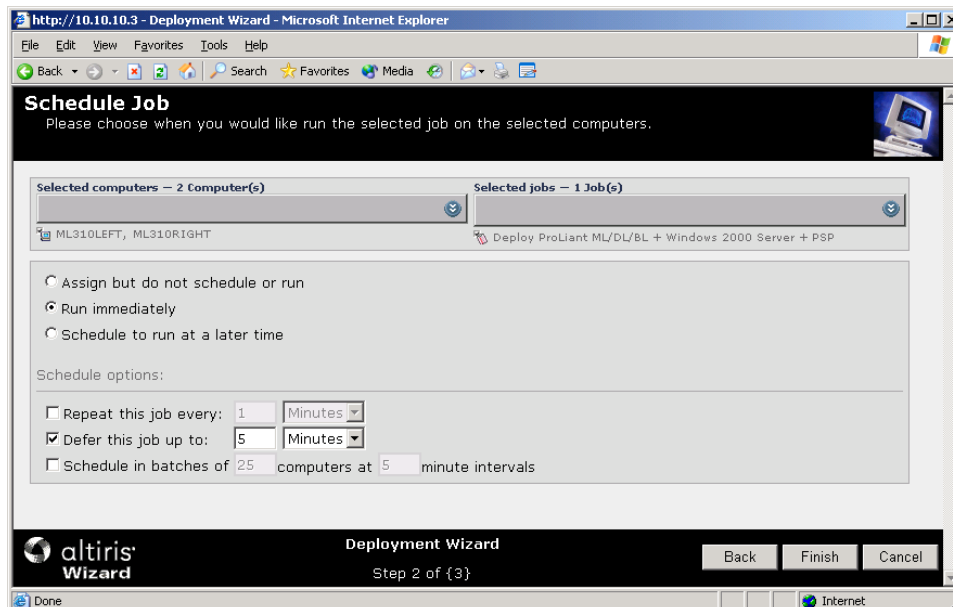


3. Verify that the correct servers are displayed in the list, click **Change Targets** if it is necessary to go back and reselect servers, and then click **Run Now**.

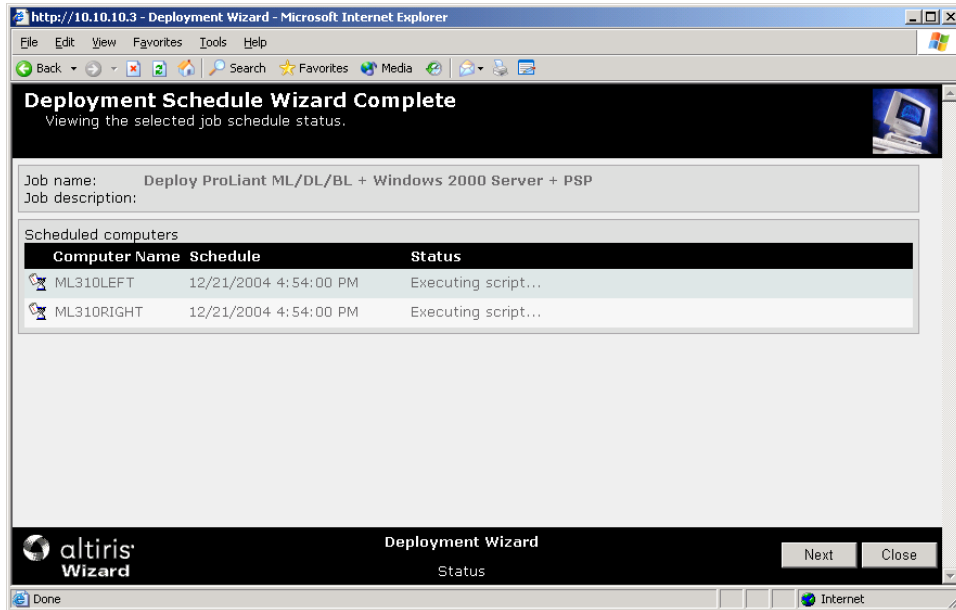
4. If prompted for Windows credentials, provide credentials that can be validated by the Microsoft Internet Information Services (IIS) installed on the Deployment Server Web Console.
5. At the Altiris Deployment Wizard, expand the Deployment Server node to display the list of available jobs. Select the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



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



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.