HP OpenView Patch Manager Using Radia

for the HP-UX, Solaris, Linux and Windows operating systems

Software Version: 3.0

Migration Guide

Document Release Date: February 2006

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This manual's title page contains the following identifying information:

- Version number, which indicates the software version
- Document release date, which changes each time the document is updated
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This Web site provides contact information and details about the products, services, and support that HP OpenView offers.

HP OpenView online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valuable support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit enhancement requests online
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- Review information about available services
- Enter discussions with other software customers
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Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

http://www.hp.com/managementsoftware/access_level

To register for an HP Passport ID, go to:

http://www.managementsoftware.hp.com/passport-registration.html

Contents

1 Prerequisites

About this document

This document is for customers who are currently using HP OpenView Patch Manager using Radia (Patch Manager) version 1.2 and above who want to migrate their existing environment to Patch Manager version 3.0.

Infrastructure Prerequisites

During the Patch Manager 3.0 installation, you will be prompted to select whether you are migrating an existing Patch Manager environment or creating a new one. You must be using Patch Manager version 1.2 or higher to use the migration option. To successfully migrate and use Patch Manager 3.0, you will need the following:

- HP OpenView Messaging Server using Radia (Messaging Server) version 3.2 with the Patch Data Delivery Agent installed using the configuration file (`patch.dda.cfg`) delivered with that version. Messaging Server version 3.2 is available for download from the HP OpenView Support site. To migrate to this version of the Messaging Server, refer to the *HP OpenView Messaging Server Migration Guide* also provided with the download.
- HP OpenView Reporting Server using Radia (Reporting Server) version 4.2. This is available for download from the HP OpenView Support site.
- HP OpenView Application Manager Maintenance export decks. Use these decks to distribute updates to your Patch Manager clients. These decks will be imported into your HP OpenView Using Radia Configuration Server.
- HP OpenView Infrastructure Metakit conversion utility. This is available for download from the HP OpenView Support site. Use this utility on your Radia Integration Server hosting metakit files used by either the Management Portal or another Radia Integration Server component. Complete this step before installing Patch Manager Server 3.0.
- HP OpenView Management Portal 2.1 Updates. This is available for download from the HP OpenView Support Site. This update provides support for Management Portal activities initiated with nvdkit build numbers greater than 400.

There are additional steps that need to be performed before running the Patch Manager installation program. Follow the steps in Chapter 2 that apply to your current Patch Manager version.

To determine the version of Patch Manager

Examine the contents of the `httpd-####.log` where `####` is the port number under which the Radia Integration Server is running. This file is located in the Radia Integration Server log directory. The version and build numbers are displayed in the log file with a line similar to:

```
20050614 23:32:49 Info: patch: Radia Patch Manager Reporting - Version
2.0.0 - Build 262
```

where the number following the word “Version” indicates the version of the Patch Manager.

Take note of the version of Patch Manager currently installed. This version number determines which migration steps you will need to take.

2 Migration Steps

Use the appropriate sections based on your version of Patch Manager.

Steps for All Versions

1. Perform a backup of the ODBC Database ,Configuration Server Database, Management Portal, Patch Manager Server, and Reporting Server prior to beginning the migration process.
2. As of Patch Manager version 2.2, reporting performance enhancements were made which rely on new indexes created on startup of Patch Manager version 2.2. If you are migrating from a Patch Manager Version earlier than Version 2.2, preexisting indexes on the Patch Manager ODBC database tables need to be dropped prior to startup of the Patch Manager version 3.0. To do so, you must stop the Messaging Server and Radia Integration Server. Once these services have been stopped, your site's database administrator should then drop the existing patch indexes on the ODBC database currently used by Patch Manager.
3. Stop your Configuration Server.
4. Make sure you have adequate disk space to export the PATCHMGR domain instance and resource data. Manually export the existing PATCHMGR domain by running the following ZEDMAMS commands. Run each command on its own line:
5. Change directory to your pre-existing Configuration Server `bin` directory, then run the following commands:

Command 1:

```
ZEDMAMS VERB=EXPORT_INSTANCE, FILE=PRIMARY, DOMAIN=PATCHMGR, INSTANCE=*,
OUTPUT=PATCHMGR_UPGRADE.XPI, PREVIEW=NO
```

Command 2:

```
ZEDMAMS VERB=EXPORT_RESOURCE, FILE=PRIMARY, DOMAIN=PATCHMGR, INSTANCE=*,
OUTPUT=PATCHMGR_UPGRADE.XPR, PREVIEW=NO
```

Make sure the previous commands run to completion without error.

Additional Steps for Versions Prior to 2.0

Patch Manager version 1.2.3 introduced substantial reporting performance enhancements that relied on the removal of duplicate entries in the nvd_zobjstat table in the Patch Manager ODBC database. The upgrade path to Patch Manager version 1.2.3 included directions to remove the duplicates. Since Patch Manager versions 1.2.3 and above don't allow duplicates and rely on the fact that there are no duplicates, it is necessary to both drop the nvd_zobjstat table and recollect device information, or follow the steps below to remove the duplicate entries.

If you decide that the past device status history can be deleted, simply drop the nvd_zobjstat table from your Patch Manager ODBC database and skip the rest of this section. If you drop the nvd_zobjstat table, new tables will be created on startup of the new version Patch Manager Server. New device status data will be posted when the Patch Manager Clients next connect. Furthermore, if you drop the nvd_zobjstat table, all device status related information normally displayed in Patch Manager reports will be absent until the Patch Manager clients perform a client connect.

The database script `check_duplicates.sql`, located in the migration folder of the Patch Manager version 2.2, media checks for duplicates in your ODBC database.

The database script `remove_duplicates.sql`, located in the migration folder of the Patch Manager version 2.2 media, was developed to remove duplicate entries in the nvd_zobjstat table.

Oracle Users

It has been reported that running the `remove_duplicates.sql` script on an Oracle database may take a very long time to complete. In some cases, running this script has been unsuccessful ending in an error similar to:

```
[Oracle][ODBC][Ora]ORA-01555: snapshot too old:  rollback segment
number 7 with name "_SYSSMU7$" too small
```

If you encounter the Oracle error like the one shown above, either remediate the Oracle error using prescribed methods recommended by Oracle database administration resources, or drop the nvd_zobjstat table from your Patch Manager OBDC compliant database.

To check for and potentially remove duplicate entries in your Patch DSN

1. Stop the Messaging Server, and wait for any operations on the database such as database synchronization or patch acquisition to finish.
2. Stop the Radia Integration Server running the Patch Manager module.
3. Run `check_duplicates.sql` script to check if duplicates exist. Complete the next step if the script returns any rows.
4. Run the `remove_duplicates.sql` script to remove the duplicates entries.

Continue with Additional Steps for Version 2.0 below.

Additional Steps for Version 2.0

Patch Manager version 2.0.1 introduced reporting performance enhancements that relied on new tables created from each status type in the nvd_zobjstat table in the Patch Manager ODBC database. The upgrade path to Patch Manager version 2.0.1 included directions to run a script and create the new tables based on the content of the current nvd_zobjstat table. These new tables are required for Reporting Server 4.2 and Patch Manager 3.0.

If you are migrating from a Patch Manager version less than 2.0, and have decided that the past device status history can be deleted, and you dropped the nvd_zobjstat table offered part of Additional Steps for Versions Prior to 2.0 on page 9, you can skip this section entirely.

If you did not perform the steps in Additional Steps for Versions Prior to 2.0, and have decided that the past device status history can be deleted, simply drop the nvd_zobjstat table from your Patch Manager ODBC database and skip the rest of this section. If you drop the nvd_zobjstat table, new tables will be created on startup of the new version Patch Manager

Server. New device status data will be posted when the Patch Manager clients next connect. Furthermore, if you drop the nvd_zobjstat table, all device status related information normally displayed in Patch Manager reports will be absent until the Patch Manager clients perform a client connect.

You will need to run the database scripts `split_zobjstat.sql` and `split_zobjstat.ora` located in the migration folder of the Patch Manager version 2.2 media.

The database scripts create new tables called nvd_device, nvd_de2pr, nvd_de2re. nvd_de2sp, nvd_de2pa, nvd_de2fc, nvd_de2rc and nvd_de2fs based on the contents of nvd_zobjstat. The original nvd_zobjstat table is left untouched and can be removed at some point in the future. After running these scripts, the contents of nvd_zobjstat table will no longer be updated or used to render patch reports.

To run the database scripts

1. Stop the Messaging Server, and wait for any operations on the database such as database synchronization or patch acquisition to finish.
2. Stop the Radia Integration Server running the Patch Manager module.
3. If using Microsoft SQL Server, run `split_zobjstat.sql` on your Patch Manager SQL Server Database to create the new tables.

   If using Oracle, run `split_zobjstat.ora` to create the new tables.

   Both of these scripts can be found in the migration folder supplied with this media.

Final Steps for All Versions

For new installations of Patch Manager Version 3.0 as well as customer's migrating to Patch Manager Version 3.0, the HP OpenView Infrastructure requirements are: Messaging Server Version 3.2, Reporting Server Version 4.2, Radia Self maintenance database decks, HP OpenView Infrastructure 8.4 Metakit conversion utility, and Management Portal 2.1 Updates.

All software referred to in this section is available for download, and contained in a single software patch. Access this patch from the HP OpenView Software Patches website or from the Patch Manager specific Software Patches site .

Download the "Patch Manager Version 3.0 Infrastructure component pre-requisite software" patch, which contains the minimum versions software required for Patch Manager Version 3.0. The software patch contains 3 directories:

- extended_infrastructure: This directory contains installation media for Radia Messaging Server Version 3.2 and Radia Reporting Server 4.2.
- Radia_Self_Maintenance: This directory contains the Radia self maintenance update decks required to automate the distribution of the minimum required nvdkit to your Patch Manager clients. The build number is 427.
- Tcl_8.4_Metakit_Conversion_Utility: This directory contains the software necessary to convert Tcl 8.2 metakit files found in your \\IntegrationServer\etc folder and subfolders to Tcl 8.4 metakit files.

- Management_Portal_2.1_Updates: This directory contains updates to the Management Portal, Management Agent and common runtime components, which provide support for Management Portal activities initiated with nvdkit build numbers greater than 400.

After downloading the patch, take the following steps:

- Install Messaging Server version 3.2 with the Patch Data Delivery Agent. Prior to running the installation, delete the existing `patch.dda.cfg` file. This is required to obtain the latest patch.dda.cfg file, which contains a newly-defined column for ZOBJMSGI . See the *Messaging Server Migration Guide* for more information.
- Install Reporting Server version 4.2. See the *Reporting Server Installation and Configuration Guid*e for more information.
- Import the Application Manager maintenance decks to automate the distribution of nvdkit executable updates to your Patch Manager client computers. To perform these Configuration Server imports, copy the database decks to you Configuration Server's bin directory, and perform the steps below.

  a Stop the Configuration Server

  b Using a command prompt, run the following commands from the Configuration Server's bin directory:

  c ZEDMAMS ZFILE IMPORT.TXT

  d Start the Configuration Server

If your Radia clients are version 4.x, see *Technical Document: Best Practices for Implementing Self-Maintenance on Radia Management Clients*, Version 4.0 on the HP OpenView support site If your Radia clients are version 3.x, see *Technical Document: Radia Client-Self Maintenance, Version 3.x*, for information concerning Radia client self maintenance.

- Run the HP OpenView Infrastructure 8.4 Metakit conversion utility. This step is mandatory for a successful implementation of Patch Manager Version 3.0. If you are using the Management Portal (Integration Server) component installed from the release 4.0, 4.1, or 4.2 media sets, you must use the Infrastructure Metakit conversion utility before installing Patch Manager Server. If you are using Infrastructure components installed from the 4.2i release, you do not need to use the conversion utility.

  If you fail to run the Metakit conversion utility, and your Infrastructure components require conversion, you will encounter a Warning message much like the one shown below. If you attempt to apply the Patch Manager Server Version 3.0 to a unconverted Management Portal (Integration Server), you will be warned during the installation.

  Once you perform the Metakit conversion, continue with Patch Manager Version 3.0 migration processes.

  The OpenView Infrastructure Metakit conversion utility consists of 2 files, nvdkit.exe and `mkconv.tkd`. Execution of this procedure will convert all *.mk files in the Integration Server's etc directory tree.

  When running this utility, the original meta kit files compatible with Tcl 8.2 based nvdkit.exe are preserved and saved in the Integration Server's etc folder and subfolders, however, their names will be changed. The filenames will be prefixed with the text "__old__"

  a Download the files for the Infrastructure Metakit Conversion utility to the computer hosting either the Management Portal or the Integration Server.

  b Stop the Radia Integration Server.

c. Copy the supplied nvdkit and `mk-conv.tkd` files to the Radia Integration Server folder. The default location of this directory is \Novadigm\IntegrationServer.

d. Stop all programs which may be using any of the database files in the Integration Server's etc folder.

e. Using a command prompt, run the following command from the IntegrationServer directory:

```
./nvdkit ./mk-conv-tkd
```

This command will create a mk-conv.log file showing the actions performed by the conversion software.

Examine the content of the mk-conv.log file created by the mk-conv.tkd utility, if there is an error shown in the log file, please contact HP OpenView Support. When the execution of metakit conversion utility is successful you will not find any errors in the mk-conv.log file.

- If you are using the Management Portal (Integration Server) component installed from release 4.0, 4.1, or 4.2 media sets, you must apply the Management Portal Version 2.1 updates, before installing Patch Manager Server. *If you are using Infrastructure components installed from the 4.2i release, do not apply these updates.*

  a. Stop the Radia Integration Server.

  b. Copy the nvdcrt.tkd to the installation directory of the Management Portal (Integration Server). The default location is C:\Novadigm\IntegrationServer.

  c. Copy the files rmp.tkd and rma.tkd to the modules subdirectory located under the installation directory of the Management Portal (Integration Server). The default location is C:\Novadigm\IntegrationServer\modules.

Your Management Portal version 2.1 has been updated.

Your existing Patch Manager environment is prepared to begin the migration process.

3 Migration Process

When Migration is selected during the installation process, the following automated sequence of events will be performed by the Patch Manager Version 3.0 setup program.

- The necessary modules of the Patch Manager Server and Configuration Server are updated.
- The existing PATCHMGR domain is deleted.
- The 3.0 PATCHMGR domain is recreated. The Class, Instance, and Resource database decks provided by Hewlett-Packard are imported.
- The SYSTEM domain, Instance database decks provided by Hewlett-Packard are imported.
- The PATCHMGR domain decks you created in Step 5 of Steps for All Versions on page 9, specifically the `PATCHMGR_UPGRADE.XPI` and `PATCHMGR_UPGRADE.XPR` files, are imported.

  If these decks are not available, setup will proceed to completion, and the 3.0 PATCHMGR domain will not be updated with the pre-existing PATCHMGR domain data.

- The `PATCHMGR_REX.XPI` and `PATCHMGR_REX.XPR` are imported to ensure the latest version of `install.rex` and `update.rex` are in the Configuration Server Database.
- Patch Manager Service is restarted, and the Patch Manager setup will redirect you to the Patch Manager configuration page.

To run the migration for the Patch Manager Server components

1. From the `extended_infrastructure\patch_manager_server\win32` directory on the Patch Manager installation media, double-click **setup.exe**.

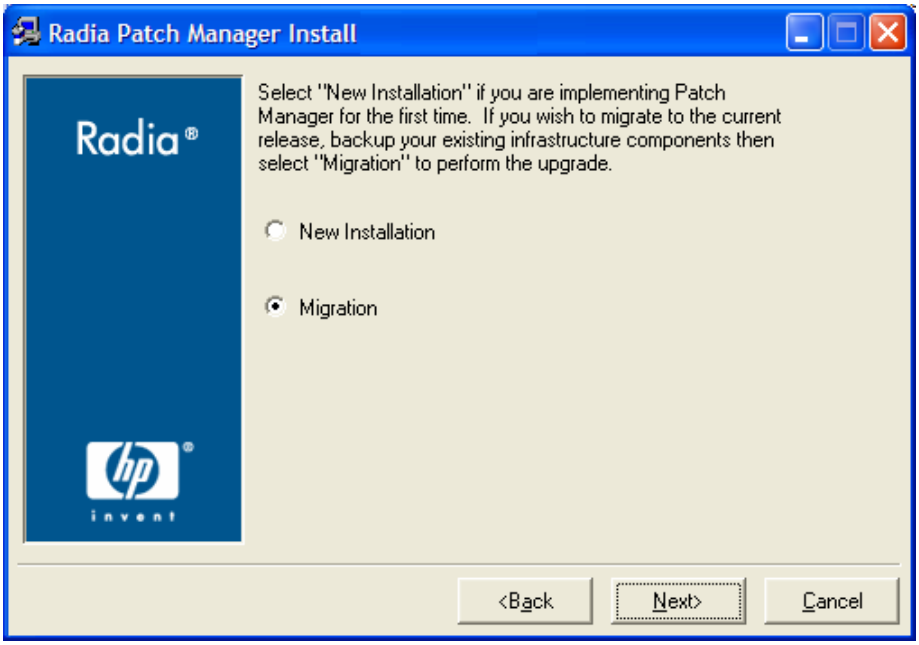
   

   The minimum build of nvdkit required for Patch Manager version 3.0 server components is 427.

   If you are running Patch Manager from a command line, be sure to stop the service before running the installation.

   The welcome window opens.

2. Click **Next**. The end-user license agreement window opens.
3. Click **Accept** to the HP Software License Terms.



4 If you want to upgrade to Patch Manager version 3.0, select **Migration**.

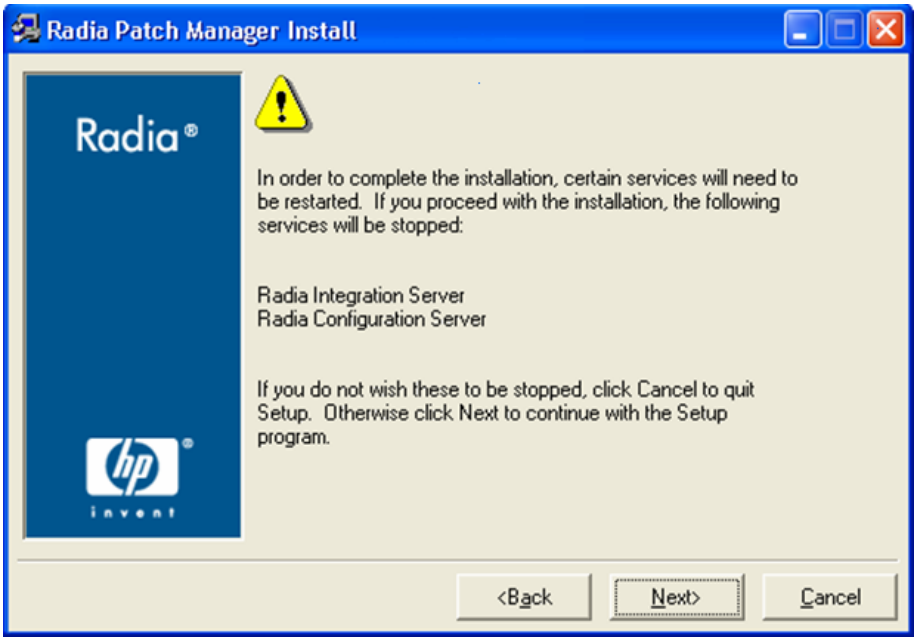
5 Select the components to install. If you are running the Patch Manager migration installer for the first time, you should check all the options.

- **Radia Patch Manager Server**
  Installs the components for the Patch Manager Server including the Radia Integration Server.
- **Radia Configuration Server Components**
  Installs updated executables and scripts for the Configuration Server to work with Patch Manager.

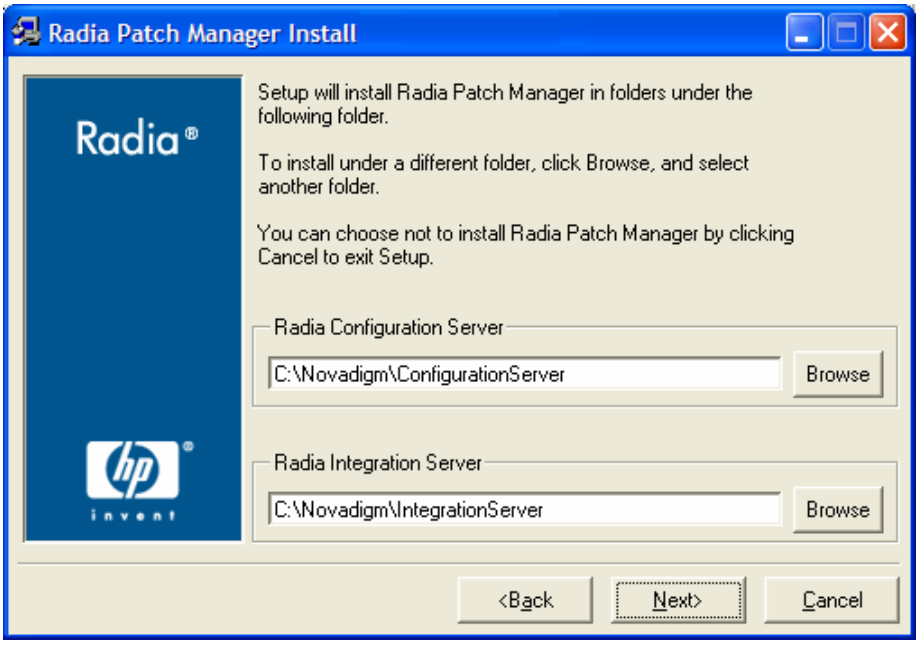
  To use the features of Patch Manager version 3.0, you must select the Radia Configuration Server Database updates. The PATCHMGR domain, and only the PATCHMGR domain will be replaced, and all data in that domain removed
- **Radia Database Updates**
  Creates the PATCHMGR domain and imports Manager version 3.0 instance and resource data into the Configuration Server Database.

  The Radia Configuration Server Components and Radia Database Updates portions of the Patch Manager installation can only be run on the Radia Configuration Server computer. These pieces can not be installed over a network connection.

6 After making your selections, click **Next**.



7 Click **Next** to the warning.

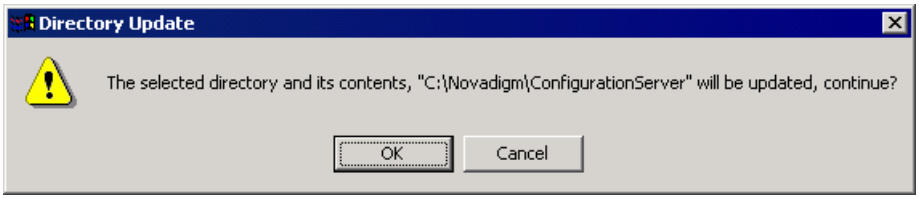


8 Type the location where the Radia Configuration Server is installed, or click **Browse** to navigate to it.

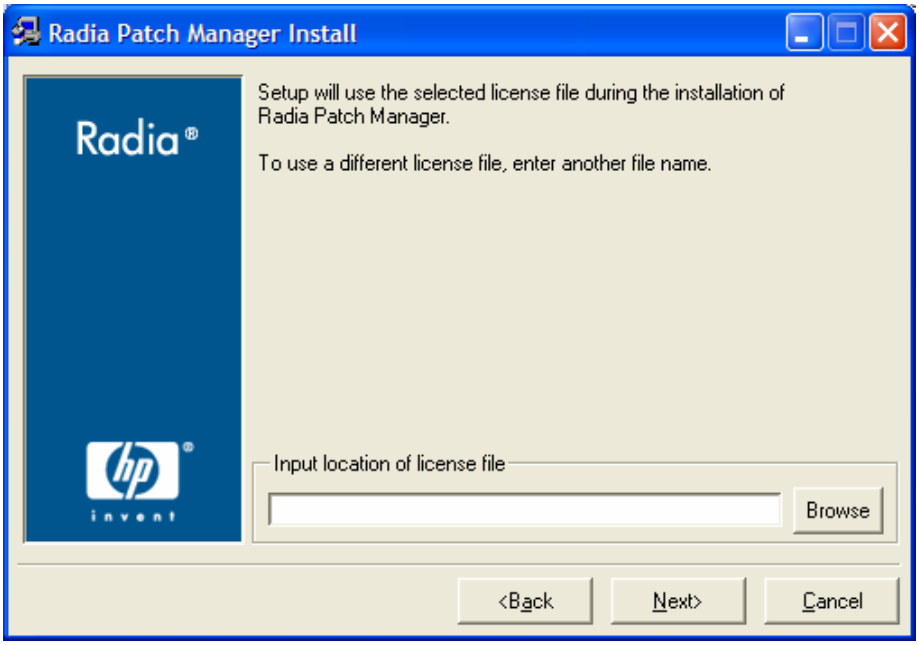
9 Type the location where you would like to install the Radia Patch Manager Server (Radia Integration Server), or click `Browse` to manually select the location.

> Where possible, accept the defaults for these directories.

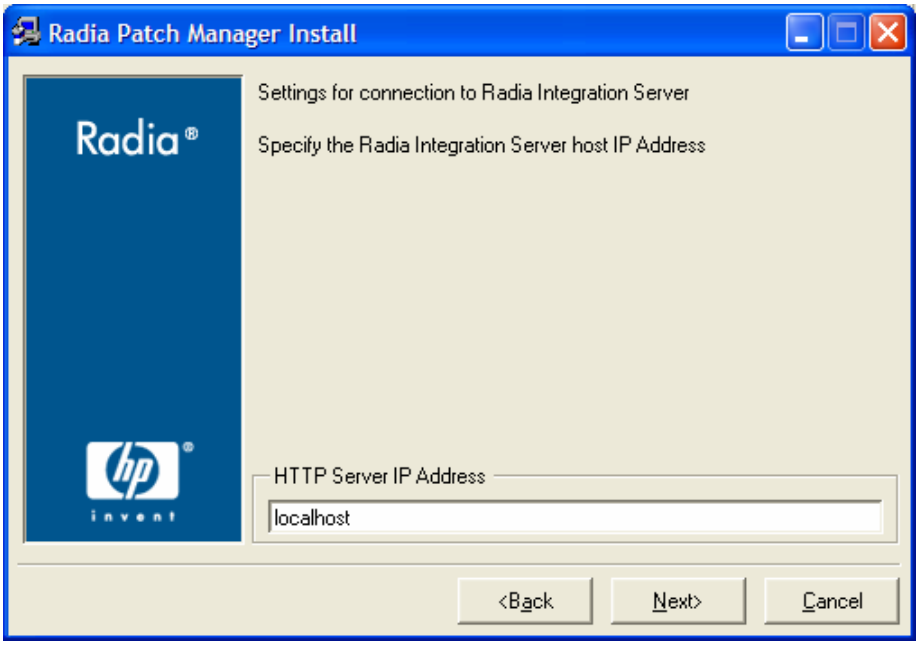
10 Click **Next**.



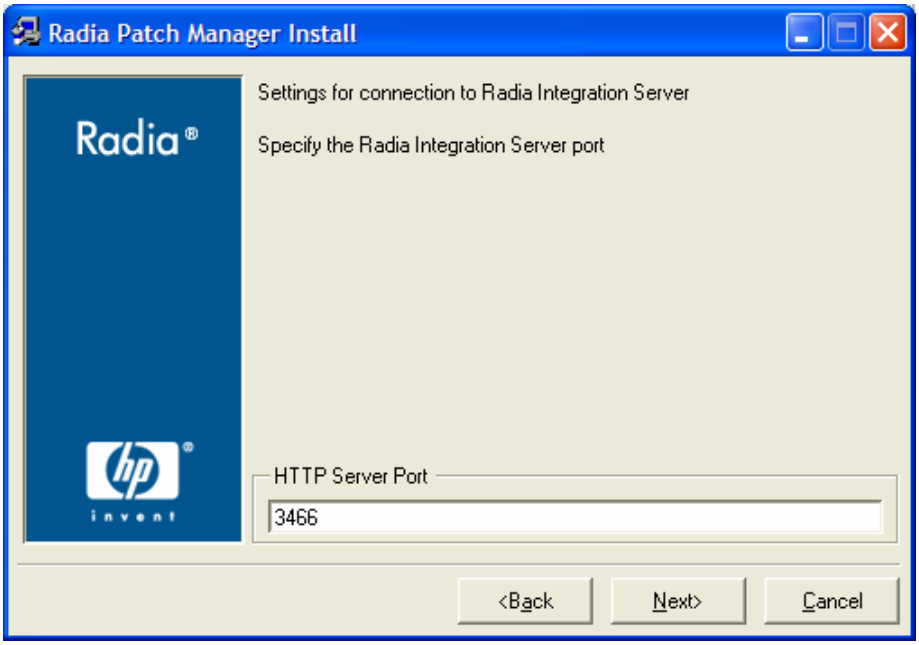
11 Click **OK** if you would like to continue.



12 Type the location of your license file or click **Browse** to navigate to it, then click **Next**.



13 Type the IP address of the Radia Integration Server, and click **Next**. The Radia Integration Server is the service that hosts the Patch Manager module.



14 Type the port of the Radia Integration Server, and click **Next**.

The summary window opens.

15 Verify the summary screen and click **Install**.

Read and answer any warning dialog boxes that appear. Which dialog boxes appear will depend on your configuration.

16 Click **Finish**.

The Configuration Server and the Radia Database have been updated, and the Patch Manager version 3.0 has been installed.

You should be directed to Radia Patch Administrator page for final configuration.

Confirm the following parameters as they may have changed since your previous version of Patch Manager. These URLs were correct as of this writing. Please see the technical support Web site for updates.

The Radia Patch Administrator has been reorganized. See the Installation and Configuration Guide for the HP OpenView Patch Manager Using Radia version 3.0 for additional information.

Table 1 Confirm Settings in Radia Patch Manager Administrator

Parameter	Value for Radia Patch Manager, Version 2 and above
Patch Manager: URL	**http://managementsoftware.hp.com/Radia/patch_management/data** This is the same as the nvdm_url parameter in `patch.cfg`. Access to the Patch Manager update web site (**http://update.novadigm.com/patch/data**) will be discontinued in the near future. The new location is accessible at: **http://managementsoftware.hp.com/Radia/patch_management/data.** Make sure the address in the Patch Manager URL field is **http://managementsoftware.hp.com/Radia/patch_management/data**.
Microsoft Feeds: Mssecure	**http://download.microsoft.com/download/0/d/b/0db2e5d7-0ba9-4856-b51f-db7c0b838c68/MSSecure_1033.CAB** This is the same as the microsoft_url parameter in `patch.cfg`.
Microsoft Feeds: SUS	**http://www.msus.windowsupdate.com/msus/v1/aucatalog1.cab** This is the same as the microsoft_sus_url parameter in `patch.cfg`.

Configuration Database Type Change for Oracle Users

A new configuration Database Type setting was added to the Patch Manager version 2.0.1 configuration page. It is very important that this option be set correctly for the ODBC database type being used. Select the appropriate value in the ODBC DSN section of the Radia Patch Administrator Configuration page. Failure to set the ODBC DSN Database type value to Oracle will result in a default value of SQL Server which would result in Database synchronization and Patch Acquisition failures.

Database synchronization

Perform a database synchronization using the Radia Patch Manager Administrator page.

Configuration Change for Microsoft Office Product exclusion

Microsoft is replacing MSSECURE with Microsoft Update for newer operating system versions and their prerequisite service packs. This affects HP OpenView Patch Manager Using Radia as well as Microsoft Update technologies. See the Microsoft Web site for a complete list of supported operating systems and products. At the time of this release of Patch Manager, Microsoft has stated that support for MSSECURE components will terminate in March 2006. As a result of this change, Microsoft will stop making updates to MSSECURE. On the date of termination, only patches hosted by Microsoft Update Catalog will be updated and maintained on an ongoing basis by Microsoft.

Patch Manager 3.0 provides support for the new Microsoft Update technology with no additional configuration. During the time that MSSECURE and Microsoft Update technologies are both actively updated by Microsoft, Patch Manager 3.0 supports the use of both MSSECURE and Microsoft Update technologies to download, process, and publish the data needed to manage patches. Furthermore, Patch Manager supports the transition from MSSECURE to Microsoft Update Catalog since both patch repositories may be used for the patch management. HP will continue to support patching for operating systems supported by the MSSECURE technologies for the present time. However, when MSSECURE is no longer updated by Microsoft, HP will no longer provide data correction services for MSSECURE. This data will remain static until it is no longer supported by HP. The date of termination of MSSECURE data correction support by HP will be dependent on Microsoft's termination date.

Microsoft Office Security Patch Management was first provided in Patch Manager Version 2.1, the Microsoft Office security patch management processes in both Version 2.1 and Version 2.2, contained safeguards to prevent the management of Microsoft Office Security patches through Patch Manager. This safeguard was added to prevent conflict with other Microsoft Office software management technologies including installations managed through Application Manager, Software Manager or Office installations installed via an ACP (Administrative Control Point).

Since Patch Manager Version 3.0 will use the new Microsoft Update technologies, the programmatic safeguards present in Patch Manager Versions 2.1 and 2.2 will no longer be active. If you are migrating from a previous version of Patch Manager and did not remove your patch.cfg before migration, you will need to add "!Office*" to the excluded products list

Note: The Patch Manager Version 3.0 Administrator web page accessible via Configuration Settings Preferences, provides text box where you may specify the text !Office* in the Excluded Products text box.

Configuration Change for SUSE PRODUCT exclusion

Patch acquisition and management capabilities for SuSE Linux were added to Patch Manager version 2.0.1. There is an important update to the PRODUCT attribute of Patch Manager configuration file (`patch.cfg`). A change is needed to ensure proper functioning of the SuSE Linux support. Follow the directions below to make this change.

Failure to change the PRODUCT attribute value of the IntegrationServer`\etc\patch.cfg` configuration file could result in the application of patches for the "yast" and "liby2" products. The application of patches for those products using the SuSE native program "online_update" may cause future patch applications to fail due to incompatible shared library dependencies.

To update your PRODUCT attribute of the patch configuration file:

- Edit your IntegrationServer`\etc\patch.cfg` configuration file. Modify the PRODUCT attribute and add the text

  `,SUSE::!sles*-yast2-*,SUSE::!sles*-yast2,SUSE::!sles*-liby2*`

  immediately before the closing brace of the PRODUCT attribute as shown below.

  Before:

  ```
  PRODUCT {!Windows 95,!Windows 98*,!Windows Me,!Office*}
  ```

  After:

  ```
  PRODUCT {!Windows 95,!Windows 98*,!Windows Me,!Office*,SUSE::!sles*-
  yast2-*, SUSE::!sles*-yast2,SUSE::!sles*-liby2*}
  ```

Installing Patch Manager Agent updates for Version 3.0

To install the Patch agent for Windows operating systems

The files contained in the media`\Patch Agent Maintenance\win32\maint` directory need to be applied to the Windows client to enable the Radia Patch Manager Agent. The supplied windows maintenance files may be placed in the `win32\maint` folder found under the Management Portal's media folder to enable the automatic application of the Radia Patch Manager Agent when installing the Radia Windows client.

To install the Patch Manager Agent on a UNIX operating system

The recommended minimum version of the Radia client that supports Patch Manager Agent version 3.0 functionality is Application Manager version **4.1**. The absolute minimum build of `nvdkit` required on the client, is build 427. The Patch Manager's maintenance file, `maint.tar`, must be applied to the client in order to enable the Patch Manager Agent. At the time of this writing; The Patch Manager Agent is supported on the following operating systems.

- **Linux**: Red Hat Enterprise Server versions 2.1, 3, and 4; and SuSE Enterprise Server versions 8 and 9.
- **HP-UX (PA-RISC)**: operating system releases 11.00,11.11 (11i), and 11.23 (Version 2).
- **Sun Solaris (SPARC)**: operating system releases 8, 9 and 10.

The maintenance file (`maint.tar`) is located on the HP OpenView Patch Manager using Radia CD-ROM in the following operating system-specific directories.

- `Patch Agent Maintenance\linux\ram`
- `Patch Agent Maintenance\hpux\ram`
- `Patch Agent Maintenance\solaris\ram`

The supplied `maint.tar` files provided in the operating system specific folders on the CD-ROM are not interchangeable between client platforms.

Installations on a UNIX operating system running a Management Portal

These instructions are applicable to the UNIX operating systems noted in the section above. In these instructions, the operating system-specific directories have been replaced with *XXXX*; in your environment this value will be `linux`, `hpux`, or `solaris`, depending on the operating system.

- Examine the contents of the Management Portal's sub-directory `IntegrationServer/media/client/`*`XXXX`*`/ram`.
  - If this sub-directory contains the file `client31.tar`, then copy the file `maint.tar` from `Patch Agent Maintenance\`*`XXXX`*`\ram` on the CD-ROM to it and *rename* the file, `maint31.tar`.
  - If this sub-directory contains the file `client41.tar`, then copy the file `maint31.tar` from `Patch Agent Maintenance\`*`XXXX`*`\ram` on the CD-ROM to it and *rename* the file, `maint41.tar`.

For additional information concerning UNIX operating system prerequisite requirements and specifics on the operation of Patch Manager, please refer to the HP OpenView Patch Manager using Radia Release Notes as well as the *HP OpenView Patch Manager Using Radia Installation and Configuration Guide (Patch Manager Installation and Configuration Guide)*.

Migrating a Patch Manager Agent to Version 3.0

When you run a patch acquisition, you can automatically download updated product discovery scripts and Patch Manager Version 3.0 agent updates. required for the successful operation of Patch Manager Version 3.0. These files are received from the HP Patch Manager Update web site provided by HP. After download, the files are published to the PATCHMGR domain and connected to the Discover Patch Service instance. The AGENT_UPDATES parameter, specified during an acquisition session, controls script update processing.

You must enable the Patch Manager Agent Version 3 updates. To do this, open the Radia Patch Administrator page. From the Configuration tasks, select Patch Agent Updates. Select Version 3. This is required to migrate existing Patch Manager clients to Version 3.0. See the *HP OpenView Patch Manager Using Radia Installation and Configuration Guide*.