



CHAPTER 3

Package Manager

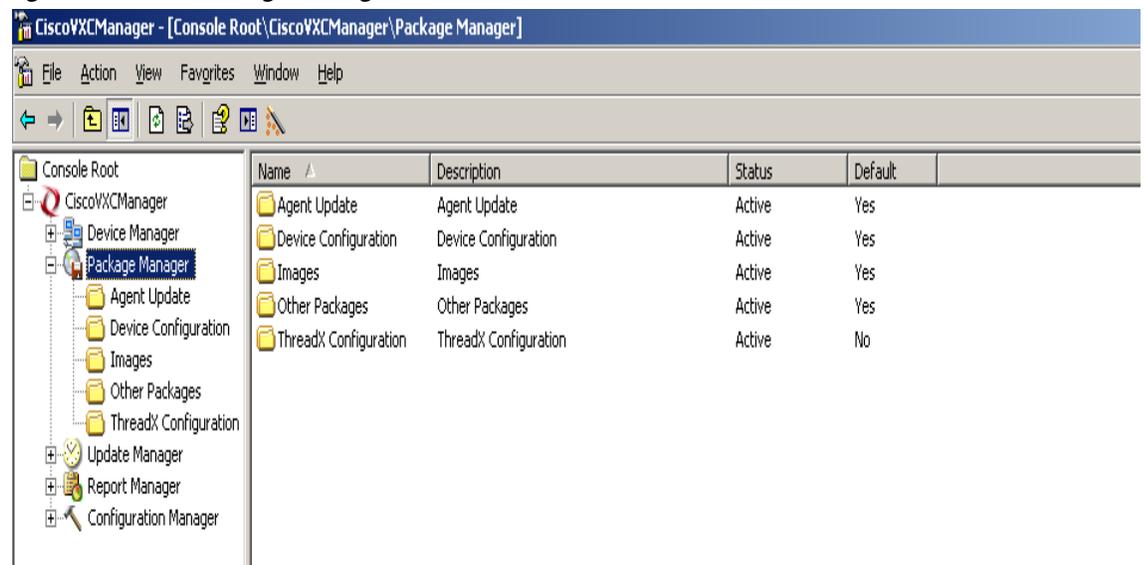
This chapter describes how to perform routine Cisco VXC Manager package management tasks using the Administrator Console. It provides information on managing the Cisco VXC Manager packages (software, images, configurations, and so on) that can be distributed to the devices within your Cisco VXC Manager environment.

For detailed instructions for managing packaging for Cisco VXC clients, see [Chapter 4, “Cisco VXC Firmware and Configuration Upgrade Procedures”](#).

Managing Cisco VXC Manager Packages

Click **Package Manager** in the tree pane of the Cisco VXC Manager Administrator Console to open the Package Manager. The Package Manager allows you to quickly view and manage the Cisco VXC Manager packages that can be distributed to the devices within your Cisco VXC Manager environment (see [Table 3-1](#)). It also allows you to easily display the Cisco VXC Manager packages you want by using the available filtering and customizing features.

Figure 3-1 Package Manager



Before you use the Package Wizard to create and register Cisco VXC Manager packages, you should understand the update distribution process and the contents of Cisco VXC Manager packages, know the location of the existing Cisco VXC Manager packages that you want to register, and ensure that the devices from which you are getting images or configurations already have the Cisco VXC Manager Agent (HAgent) installed. After Cisco VXC Manager packages are registered, you can distribute them as updates to the devices within your Cisco VXC Manager network (see [Update Manager, page 5-29](#)).

**Tip**

If you intend to perform Cisco VXC Manager package registration and scheduling for all of the devices in your Cisco VXC Manager system at the same time, the Cisco VXC Manager Mass Imaging Tool can be a convenient way for you to easily perform these tasks (see [Using the Cisco VXC Manager Mass Imaging Tool, page D-17](#)).

[Table 3-1](#) provides a quick overview of what you can do using the Package Manager.

Table 3-1 *Routine Package Manager Tasks*

Tasks You Can Do	How	Details
Create and register a Cisco VXC Manager package from a script file so it is ready to be distributed.	In the tree pane of the Administrator Console, right-click Package Manager , choose New > Package to open the Package Wizard, choose the Register a Package from a Script File (.RSP) option, and then follow the wizard.	Register a Package from a Script File (.RSP), page 3-35 Tip For information on script files, see Cisco VXC Firmware and Configuration Upgrade Procedures, page 4-1
Create and register a configuration from a device running Enhanced SUSE Linux Enterprise so it is ready to be distributed.	In the tree pane of the Administrator Console, right-click Package Manager , choose New > Package to open the Package Wizard, choose the Register a Configuration from a Device option, and then follow the wizard. Tip You can also right-click the reference device and choose Get Device Configuration to open and use the Package Wizard.	Registering a Configuration from Devices Running Enhanced SUSE Linux Enterprise, page 3-36
Create and register a ThreadX package so it is ready to be distributed.	Use the guidelines in Updating the PCoIP Client Configuration (Building and Registering a ThreadX Package), page 4-11 . After you create these packages, you can drag and drop a package to the devices you want, and then schedule their deployment accordingly.	Updating the PCoIP Client Configuration (Building and Registering a ThreadX Package), page 4-11
View the details of a registered Cisco VXC Manager package.	In the tree pane of the Administrator Console, expand Package Manager and choose the folder that contains the Cisco VXC Manager package. In the details pane, right-click the Cisco VXC Manager package and choose Properties .	Viewing the Details of a Registered Cisco VXC Manager Package, page 3-37

Table 3-1 Routine Package Manager Tasks (continued)

Tasks You Can Do	How	Details
View and change the script of a registered Cisco VXC Manager package.	In the tree pane of the Administrator Console, expand Package Manager and choose the folder that contains the Cisco VXC Manager package. In the details pane, right-click the Cisco VXC Manager package and choose View Package Script to open and use the Package Script dialog box.	Viewing and Changing the Script of a Registered Cisco VXC Manager Package, page 3-39  Caution You cannot modify the script for default Cisco VXC Manager packages

Table 3-1 Routine Package Manager Tasks (continued)

Tasks You Can Do	How	Details
Export the script of a registered Cisco VXC Manager package to a folder you want.	In the tree pane of the Administrator Console, expand Package Manager and choose the folder that contains the Cisco VXC Manager package. In the details pane, right-click the Cisco VXC Manager package and choose Export Package Script to open and use the Browse for Folder dialog box.	Exporting the Script of a Registered Cisco VXC Manager Package, page 3-40
Delete a registered Cisco VXC Manager package from the system.	<p>In the tree pane of the Administrator Console, expand Package Manager and choose the folder that contains the Cisco VXC Manager package. In the details pane, right-click the Cisco VXC Manager package, choose Delete, and then confirm the deletion.</p> <p>Tip You can use Ctrl-click or Shift-click to choose multiple Cisco VXC Manager packages.</p>	<p>You cannot delete default Cisco VXC Manager packages.</p> <p>You cannot delete a registered Cisco VXC Manager package that is scheduled for distribution; you must first delete the scheduled update as described in Managing the Schedules for Device Updates, page 5-29 before you can delete a registered Cisco VXC Manager package.</p> <p> Caution When you delete a registered Cisco VXC Manager package that has never been distributed, Cisco VXC Manager also deletes it from the Cisco VXC Manager Repository. The Cisco VXC Manager package is recoverable only if you have a copy of it outside of Cisco VXC Manager. In such a case, you can re-register the Cisco VXC Manager package.</p> <p>Tip If you delete a Cisco VXC Manager package that has already been distributed, you can recover it from the Backup folder of the Cisco VXC Manager Repository and re-register it. When archived, a Cisco VXC Manager package receives a date-stamped name, therefore, before re-registering an archived Cisco VXC Manager package, you must rename it to its original name.</p>

Register a Package from a Script File (.RSP)



Caution

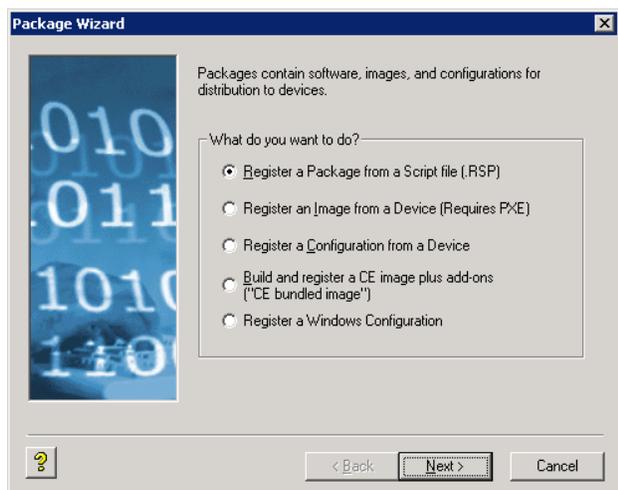
When you register Cisco VXC Manager packages, be sure you have write permissions to the directory where the Cisco VXC package files are located and to the configured Cisco VXC Manager software repository location. If you attempt to register a package without the correct write permissions, registration errors can occur.

Use the following procedure to register a package from an RSP script file.

Procedure

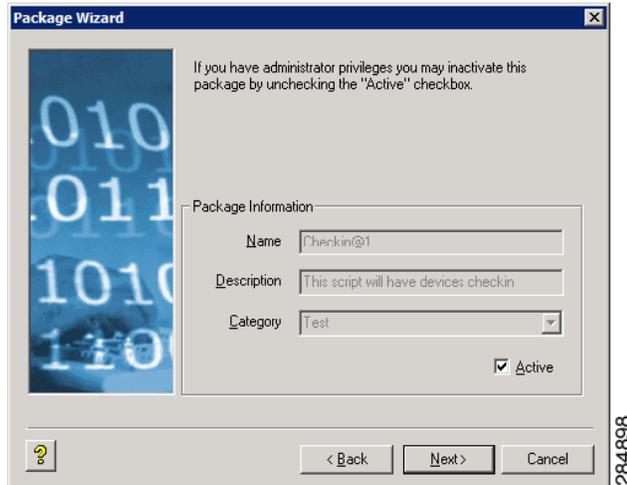
- Step 1** In the tree pane of the Administrator Console, right-click **Package Manager** and choose **New > Package** to open the Package Wizard.

Figure 3-2 Package Wizard



- Step 2** Choose the **Register a Package from a Script File (.RSP)** option and click **Next**.
- Step 3** Enter the File Path to the Cisco VXC Manager script (RSP) file for the Cisco VXC Manager package (for example, push_9V92_S550_512.rsp) you want to register (you can use **Browse** to find and choose a file), and then click **Next** to open the Software Package Information dialog box.

Figure 3-3 Software Package Information



- Step 4** The Software Package Information dialog box displays the Name, Description, and Category of the Cisco VXC Manager package specified in the RSP file.
- Step 5** Depending on whether or not you want to have the Cisco VXC Manager package distributed (active for distribution), check or uncheck the **Active** check box.
- Step 6** Click **Next**. The wizard notifies you that is ready to create and register the new Cisco VXC Manager package.
- Step 7** Click **Next** to create and register the Cisco VXC Manager package.
- Step 8** After the Cisco VXC Manager package has been created and registered, click **Finish**. Cisco VXC Manager copies the package to the Master Repository and displays the package under the appropriate category. The Cisco VXC Manager package is now ready for distribution (see [Managing the Schedules for Device Updates, page 5-29](#)).

Registering a Configuration from Devices Running Enhanced SUSE Linux Enterprise

This Package Wizard option pulls a configuration from a device (such as a reference device) to easily configure (clone) similar devices within your Cisco VXC Manager installation.



Tip

This functionality is supported only on clients running Enhanced SUSE Linux Enterprise.

Prior to using the Package Wizard to pull and register the configuration from a Reference Device, ensure that:

- The reference device supports Pre-boot Execute Environment (PXE).
- You have configured the reference device to fulfill your specifications.
- You have tested the reference device and resolved any issues.

After you ensure your reference device is ready, you can continue using the Package Wizard to pull and register the configuration from the device in accordance with the following procedure.

Procedure

Step 1 In the tree pane of the Administrator Console, right-click **Package Manager** and choose **New > Package** to open the Package Wizard.



Tip You can also right-click the Reference Device in the details pane of the Device Manager and choose **Get Device Configuration** to open the Package Wizard.

Step 2 Choose the **Register a Configuration from a Device** option and click **Next**.

Step 3 Enter a name and description for the Cisco VXC Manager package (the new Cisco VXC Manager package will remain inactive until Cisco VXC Manager successfully retrieves the configuration from the Reference Device).

Step 4 Click **Next**. The wizard notifies you that is ready to create and register the new Cisco VXC Manager package.

Step 5 Click **Next** to create and register the Cisco VXC Manager package.

Step 6 After the Cisco VXC Manager package has been created and registered, click **Finish**. The Cisco VXC Manager package is copied to the Master Repository and is displayed under the appropriate category. The Cisco VXC Manager package is now ready for distribution (see [Managing the Schedules for Device Updates, page 5-29](#)).

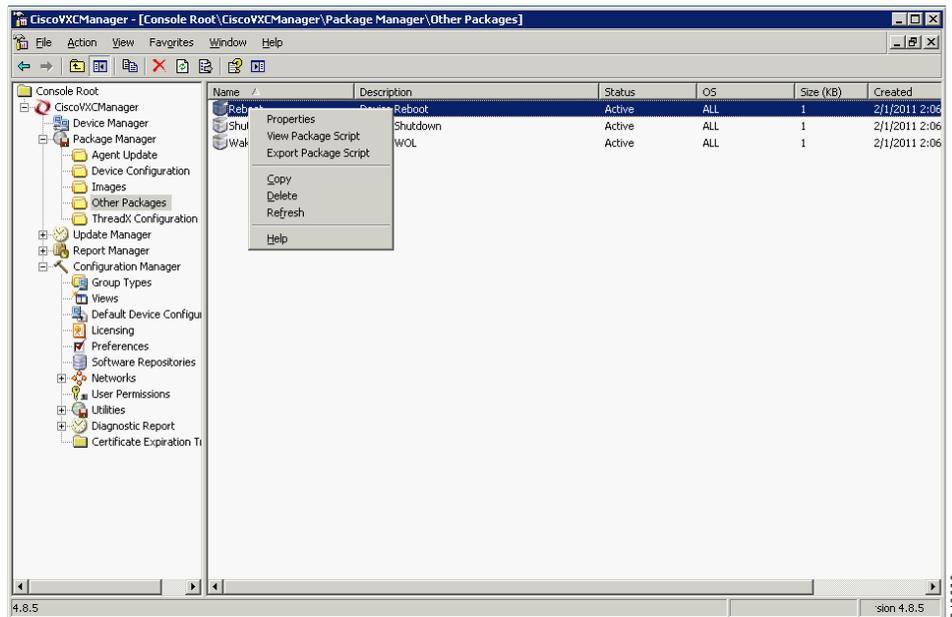
Viewing the Details of a Registered Cisco VXC Manager Package

Use the following procedure to view the details of a registered Cisco VXC Manager package.

Procedure

Step 1 In the tree pane of the Administrator Console, expand **Package Manager** and choose the folder that contains the Cisco VXC Manager package you want to view.

Figure 3-4 Cisco VXC Manager Package Properties



Step 2 In the details pane, right-click the Cisco VXC Manager package and choose **Properties** to open the Edit Package dialog box displaying the details of the Cisco VXC Manager package.

Figure 3-5 Edit Package



The Edit Package dialog box contains the following fields:

- **Name**—Name of the Cisco VXC Manager package.
- **Description**—Description of the Cisco VXC Manager package.
- **Active**—If selected, allows distribution of the Cisco VXC Manager package to a device; if cleared, the Cisco VXC Manager package cannot be distributed to a device.
- **Operating System**—The operating system for which this Cisco VXC Manager package is compatible.
- **Size**—Size of the Cisco VXC Manager package in kilobytes.
- **Date Created**—Cisco VXC Manager package creation date and time.

Viewing and Changing the Script of a Registered Cisco VXC Manager Package

Cisco VXC Manager Scripting Language is a simplified scripting language that you can use to build your own Cisco VXC Manager packages. You can also use it to perform basic tasks such as copying files and modifying the registry of the devices that Cisco VXC Manager manages. Cisco VXC Manager Scripting Language is not a programming language (it does not support looping, branching, and the use of subroutines). However, it does contain a small command set to allow it to perform a variety of routine functions such as checking the operating system version on a given device.



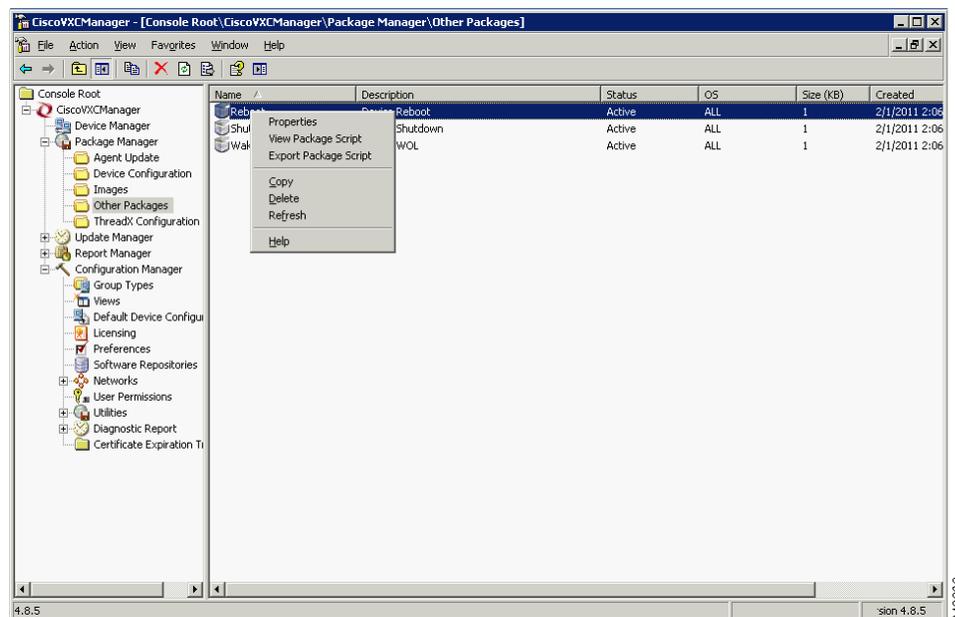
Caution

You cannot modify the script for default Cisco VXC Manager packages.

Procedure

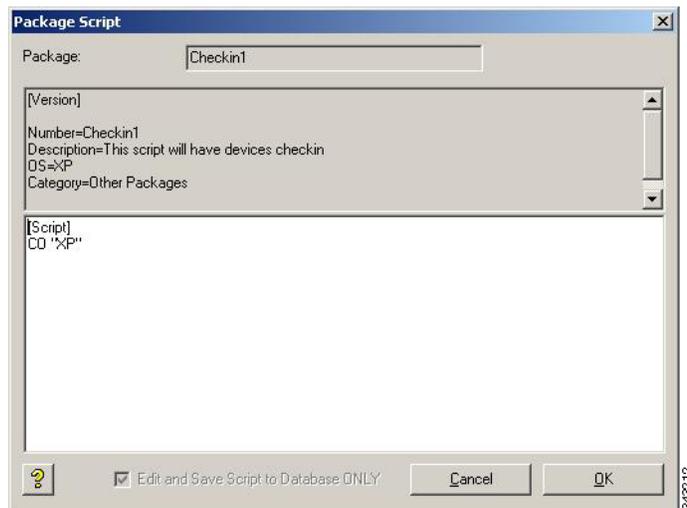
- Step 1** In the tree pane of the Administrator Console, expand **Package Manager** and choose the folder that contains the Cisco VXC Manager package you want to view.

Figure 3-6 View Cisco VXC Manager Package Script



- Step 2** In the details pane, right-click the Cisco VXC Manager package and choose **View Package Script** to open the Package Script dialog box displaying the script of the Cisco VXC Manager package.

Figure 3-7 Package Script



- Step 3** Choose the **Edit and Save Script to Database ONLY** check box and then make your changes to the script of the RSP file.
- Step 4** After completing your changes, click **OK**.

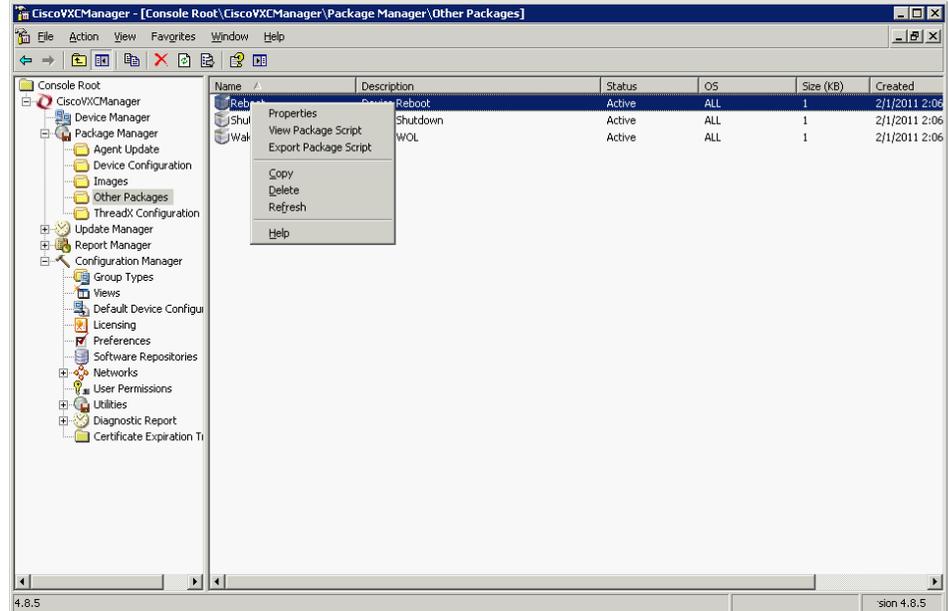
Exporting the Script of a Registered Cisco VXC Manager Package

Use the following procedure to export the script of a registered Cisco VXC Manager package.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Package Manager** and choose the folder that contains the Cisco VXC Manager package you want to view.

Figure 3-8 View Cisco VXC Manager Package Script



- Step 2** In the details pane, right-click the Cisco VXC Manager package, and choose **Export Package Script** to open the Browse for Folder dialog box.
- Step 3** Choose the folder to which you want to export the script, and then confirm.

