



CHAPTER 6

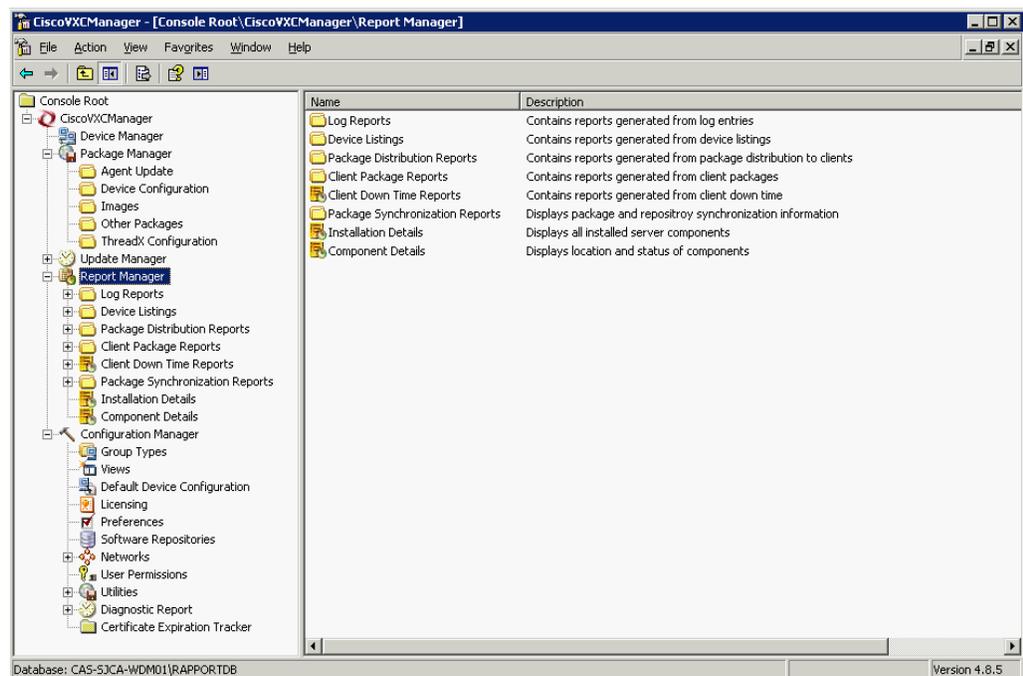
Report Manager

This chapter describes how to create and manage Cisco VXC Manager reports using the Administrator Console. It provides information and instructions to help you generate various reports on your Cisco VXC Manager environment.

Creating and Managing Reports

Click **Report Manager** in the tree pane of the Cisco VXC Manager Administrator Console to open the Report Manager. The Report Manager allows you to quickly create and manage the reports available about your Cisco VXC Manager environment (see [Table 6-1](#)). It also allows you to easily display the current information from your devices according to the criteria you set in the report.

Figure 6-1 Report Manager



**Tip**

To choose the columns you want displayed within the details pane for a report, right-click the details pane containing the report and choose **View > Add/Remove Columns** to open and use the Add/Remove Columns dialog box.

To export a report to a .txt or .csv file, right-click the Report Manager folder you want (for example, **Log Reports**), choose **Export List**, and then use the Export to a File dialog box.

Table 6-1 provides a quick overview of what you can do using the Report Manager.

Table 6-1 Routine Report Manager Tasks

Tasks You Can Do	How	Details
Create a report listing activities related to all Cisco VXC Manager components according to your logging preferences (for example, all administrator activities within a start and end time).	In the tree pane of the Administrator Console, expand Report Manager , right-click Log Reports , and then choose New > Report to open and use the Report Wizard.	Log Reports, page 6-47 Tip To set your logging preferences, see Logging Preferences, page 7-75 .
Create a report listing managed devices according to your criteria (for example, all devices according to operating system).	In the tree pane of the Administrator Console, expand Report Manager , right-click Device Listings , and then choose New > Report to open and use the Report Wizard.	Device Listings, page 6-48
Create a report with information about managed devices according to the Cisco VXC Manager packages you have distributed (for example, all devices according to a specific Cisco VXC Manager package update).	In the tree pane of the Administrator Console, expand Report Manager , right-click Package Distribution Reports , and then choose New > Report to open and use the Report Wizard.	Package Distribution Reports, page 6-49
Create a report with information about the Cisco VXC Manager packages you have distributed according to the devices in your Cisco VXC Manager environment (for example, all Cisco VXC Manager package updates according to a specific Cisco VXC Manager device).	In the tree pane of the Administrator Console, expand Report Manager , right-click Client Package Reports , and then choose New > Report to open and use the Report Wizard.	Client Package Reports, page 6-50
Create a report with information about the software installed on the devices in your Cisco VXC Manager environment according to your criteria (for example, software according to subnet).	In the tree pane of the Administrator Console, expand Report Manager , right-click Installed Software Reports , and then choose New > Report to open and use the Report Wizard.	Installed Software Reports, page 6-51
Create a Client Down Time report to view information about the down-time period for specific devices in your Cisco VXC Manager environment.	In the tree pane of the Administrator Console, expand Report Manager , right-click Client Down Time Reports , and then choose New > Report to open and use the Report Wizard.	Client Down Time Reports, page 6-53
Display an Installation Details report to view information about the installed components of Cisco VXC Manager.	In the tree pane of the Administrator Console, expand Report Manager and choose Installation Details to view the report in the details pane.	Installation Details Report, page 6-54

Table 6-1 Routine Report Manager Tasks (continued)

Tasks You Can Do	How	Details
Display a Component Details report to view information about the running components of Cisco VXC Manager.	In the tree pane of the Administrator Console, expand Report Manager and choose Component Details to view the report in the details pane.	Component Details Report, page 6-55
Create a Package Synchronization History report to view the details of Cisco VXC Manager package synchronizations for each Cisco VXC Manager package in the Master Repository with a Remote Repository.	In the tree pane of the Administrator Console, expand Report Manager , expand Package Synchronization Reports , and then choose Package Synchronization History to view the report in the details pane.	Package Synchronization History Reports, page 6-56 . See also Package Synchronization Reports, page 6-56 .
Create an Unsynchronized Packages report to view the details of Cisco VXC Manager package synchronizations that have not taken place for Cisco VXC Manager packages in the Master Repository with a Remote Repository.	In the tree pane of the Administrator Console, expand Report Manager , expand Package Synchronization Reports , and then choose Unsynchronized Packages Report to view the report in the details pane.	Unsynchronized Packages Reports, page 6-57 . See also Package Synchronization Reports, page 6-56 .
Create an Orphaned Package report to view the details of Cisco VXC Manager packages that still remain in the Remote Repository while the related Cisco VXC Manager packages have been deleted in the Master Repository.	In the tree pane of the Administrator Console, expand Report Manager , expand Package Synchronization Reports , and then choose Orphaned Package Report to view the report in the details pane.	Orphaned Package Reports, page 6-59 . See also Package Synchronization Reports, page 6-56 .

Log Reports

Log Reports provide information about the activities related to all Cisco VXC Manager components according to your logging preferences (see [Logging Preferences, page 7-75](#)).

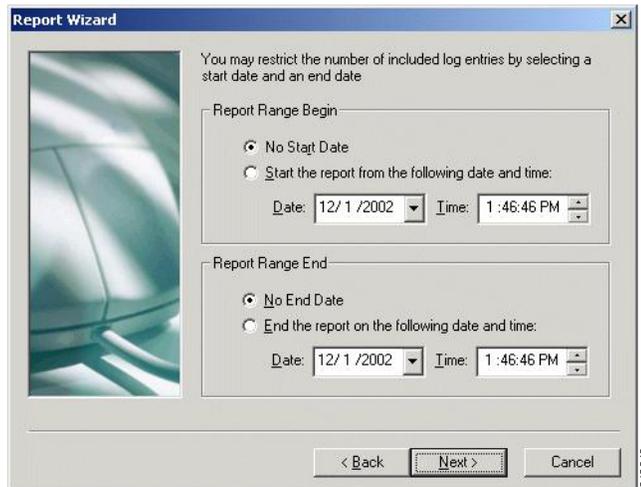


Tip

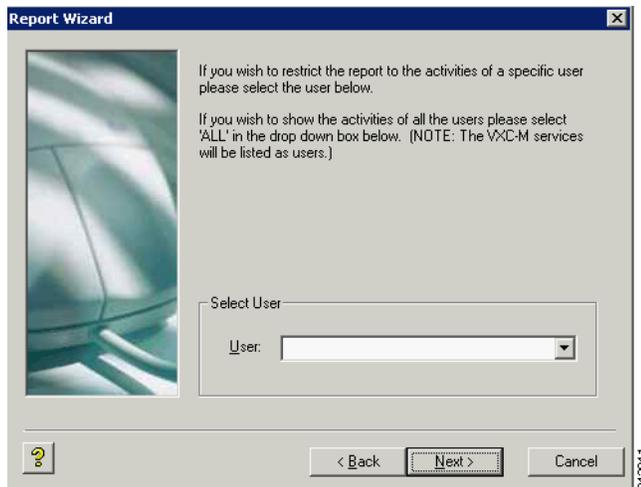
After you create a Log Report, Cisco VXC Manager automatically saves the criteria and there is no need to create that report again. Each time you view the report (click the report name in the appropriate folder) you see current information according to the criteria you set. You can also refresh a report by right-clicking the folder containing the report and selecting **Refresh**.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, right-click **Log Reports** and choose **New > Report** to open the Report Wizard.
- Step 2** Enter a name and description for the report (so you can easily recognize it later) and click **Next**.

Figure 6-2 Start and End Options

Step 3 Set the start and end options you want, and then click **Next**.

Figure 6-3 Specify Users

Step 4 Choose the option you want from the User list, and then click **Finish** to create the report.

Device Listings

The Device Listings report provides information about the devices in your Cisco VXC Manager environment according to your grouping (“listing”) criteria.



Tip

Once you create a Device Listings report, Cisco VXC Manager automatically saves the criteria and there is no need to create that report again. Each time you view the report (click the report name in the appropriate folder) you see current information according to the criteria you set. You can also refresh a report by right-clicking the folder containing the report and choosing **Refresh**.

Procedure

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- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, right-click **Device Listings** and choose **New > Report** to open the Report Wizard.
- Step 2** Use the following guidelines when creating the report:
- Enter a name and description for the report (so you can easily recognize it later).
 - Choose a Group you want in the Select a Group list to display the Group Selections available for that Group.
 - After selecting the item in the Group Selections list you want, you can add it (click **Add**) to the Selected Items pane using either the **AND** option or the **OR** option.
 - When adding more than one item in the Group Selections list from the same Group to the Selected Items pane, you must use the **OR** condition.
 - When selecting across different Groups, you can use only one selection condition, either **AND** or **OR**. For example, if you choose the **OS** and **Subnet Groups**, and the selection condition is **AND**, the report will list only the devices that meet both the **OS** and **Subnet** criteria. Conversely, if the selection condition for the same two Groups is **OR**, the report will list all devices that match the **OS** criteria (regardless of subnet) and all devices that match the **Subnet** criteria (regardless of OS).
 - The conditions **AND** and **OR** are global. After you apply the **AND** or **OR** condition to the first two selection Groups, that same condition applies to all other selections across other Groups you choose.
 - To remove an item from the Selected Items pane, choose the item and click **Remove**.
 - To remove all items from the Selected Items pane, click **Clear All**.
- Step 3** After completing your criteria, click **OK** to create the report.
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Package Distribution Reports

Package Distribution Reports provide information about managed devices according to the Cisco VXC Manager packages you have distributed.



Tip

Once you create a Package Distribution Report, Cisco VXC Manager automatically saves the criteria and there is no need to create that report again. Each time you view the report (click the report name in the appropriate folder) you see current information according to the criteria you set. You can also refresh a report by right-clicking the folder containing the report and choosing **Refresh**.

Procedure

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

Figure 6-4 Package Distribution Reports Criteria

- Step 2** Use the following guidelines when you create the report:
- Enter a name and description for the report (so you can easily recognize it later).
 - Choose a Group you want in the **Select a Group** list to display the Group Selections available for that Group.
 - After selecting the items in the Group Selections list you want, you can add them (click **Add**) to the Selected Items pane.
 - To remove an item from the Selected Items pane, choose the item (for example, **Update5XPE**) and click **Remove**.
 - To remove all items from the Selected Items pane, click **Clear All**.
- Step 3** After completing your criteria, click **OK** to create the report.

Client Package Reports

Client Package Reports provide information about the Cisco VXC Manager packages you have distributed according to the devices in your Cisco VXC Manager environment.



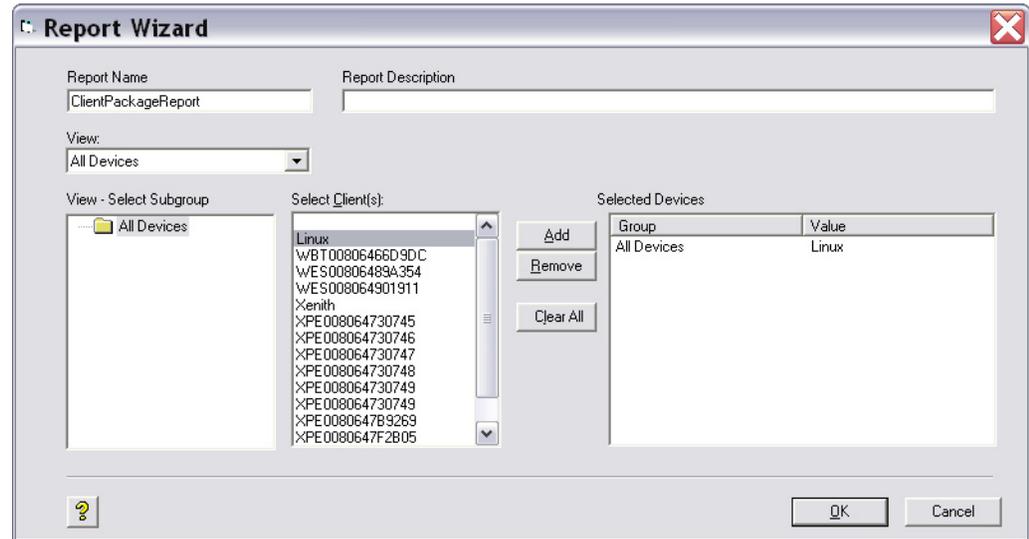
Tip

Once you create a Client Package Report, Cisco VXC Manager automatically saves the criteria and there is no need to create that report again. Each time you view the report (click the report name in the appropriate folder) you see current information according to the criteria you set. You can also refresh a report by right-clicking the folder containing the report and choosing **Refresh**.

Procedure

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

Figure 6-5 Client Package Reports Criteria



- Step 2** Use the following guidelines when creating the report:
- Enter a name and description for the report (so you can easily recognize it later).
 - Choose a view that contains the devices you want in the View list (for information on creating a View, see [Managing Views, page 7-63](#)).
 - Choose a Subgroup that contains the devices you want in the View - Select Subgroup list to display the clients available for that subgroup.
 - After you choose the items in the Select Clients list, click **Add** to add them to the Selected Devices pane.
 - To remove an item from the Selected Devices pane, choose the item (for example, **WES008**) and click **Remove**.
 - To remove all items from the Selected Devices pane, click **Clear All**.
- Step 3** After you complete your criteria, click **OK** to create the report.

Installed Software Reports

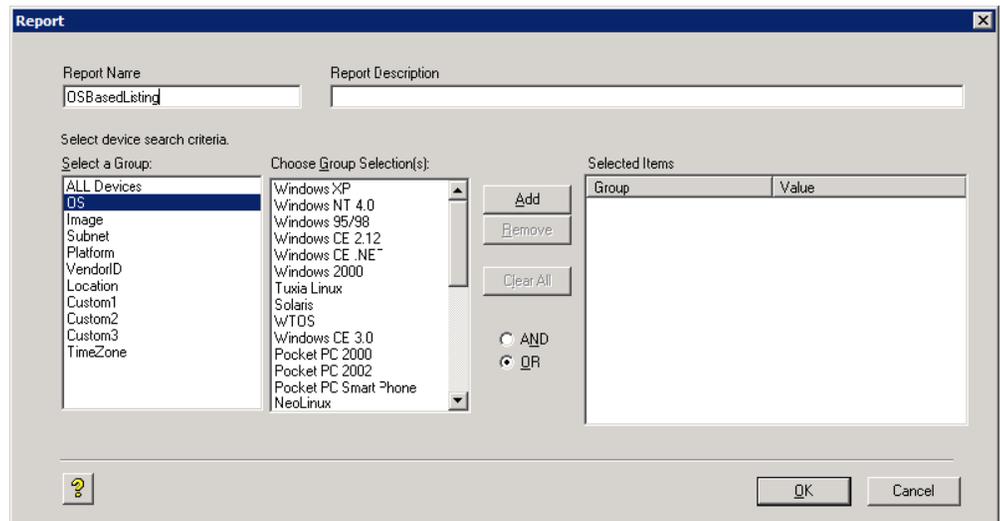
Installed Software Reports provide information about the software installed on the devices in your Cisco VXC Manager environment according to your criteria.

**Tip**

After you create an Installed Software report, Cisco VXC Manager automatically saves the criteria and you do not need to create that report again. Each time you view the report (click the report name in the appropriate folder) you see current information according to the criteria you set. You can also refresh a report by right-clicking the folder containing the report and selecting **Refresh**.

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, right-click **Installed Software Reports** and choose **New > Report** to open the Report Wizard.

Figure 6-6 Report Wizard



- Step 2** Use the following guidelines when creating the report:
- Enter a name and description for the report (so you can easily recognize it later).
 - Choose the software you want in the Select Software list to display the version available for that Software.
 - Choose the version you want in the Select Version list.
 - Depending on whether or not the software is already installed on the devices, choose **Yes** or **No**.
 - Choose a group you want in the Select a Group list to display the Group Selections available for that group.
 - After selecting the item in the Group Selections list you want, you can add it (click **Add**) to the Selected Items pane using either the AND option or the OR option.
 - When adding more than one item in the Group Selections list from the same group to the Selected Items pane, you must use the OR condition. For example, if you choose **SUSE Linux** and **ThreadX** from the OS group, you must use the OR condition (the report will display all devices that run any of the selected operating systems).
 - When selecting across different groups, you can use only one selection condition, either AND or OR. For example, if you choose the OS and Subnet groups, and the selection condition is AND, the report will list only the devices that meet both the OS and Subnet criteria. Conversely, if the selection condition for the same two groups is OR, the report will list all devices that match the OS criteria (regardless of subnet) and all devices that match the Subnet criteria (regardless of OS).

- The conditions AND and OR are global. After you apply the AND or OR condition to the first two selected groups, that same condition applies to all other selections across other groups you choose.
- To remove an item from the Selected Items pane, choose the item (for example, SUSE Linux) and click **Remove**.
- To remove all items from the Selected Items pane, click **Clear All**.

Step 3 After completing your criteria, click **OK** to create the report.

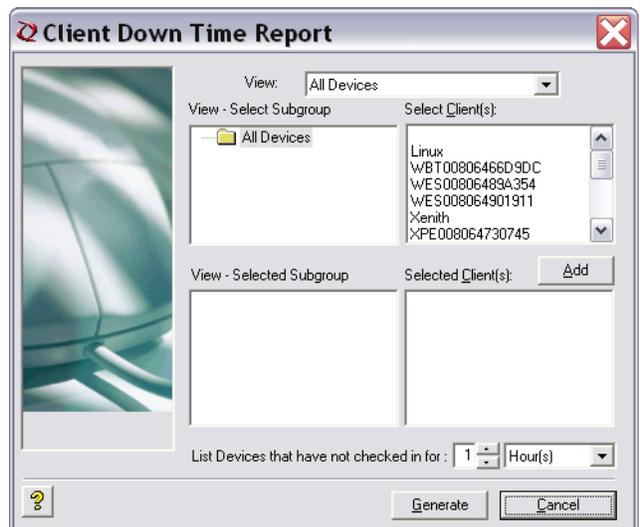
Client Down Time Reports

Client Down Time Reports provide information about the downtime period for specific devices in your Cisco VXC Manager environment.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager** and click **Client Down Time Reports**.
- Step 2** In the toolbar, click the **Create A New Report** icon .

Figure 6-7 Client Down Time Reports Criteria



- Step 3** Use the following guidelines when creating the report:
- Choose a view that contains the devices you want in the View list (for information on creating a View, see [Managing Views, page 7-63](#)).
 - Choose a subgroup that contains the devices you want in the Select Subgroup list to display the Clients available for that Subgroup.
 - After selecting the items in the Select Clients list you want, you can add them (click **Add**) to the Selected Subgroups pane and Selected Clients pane.
 - Enter the time values you want in the List Devices That Have Not Checked In For fields.

Step 4 After completing your criteria, click **Generate** to create the report.

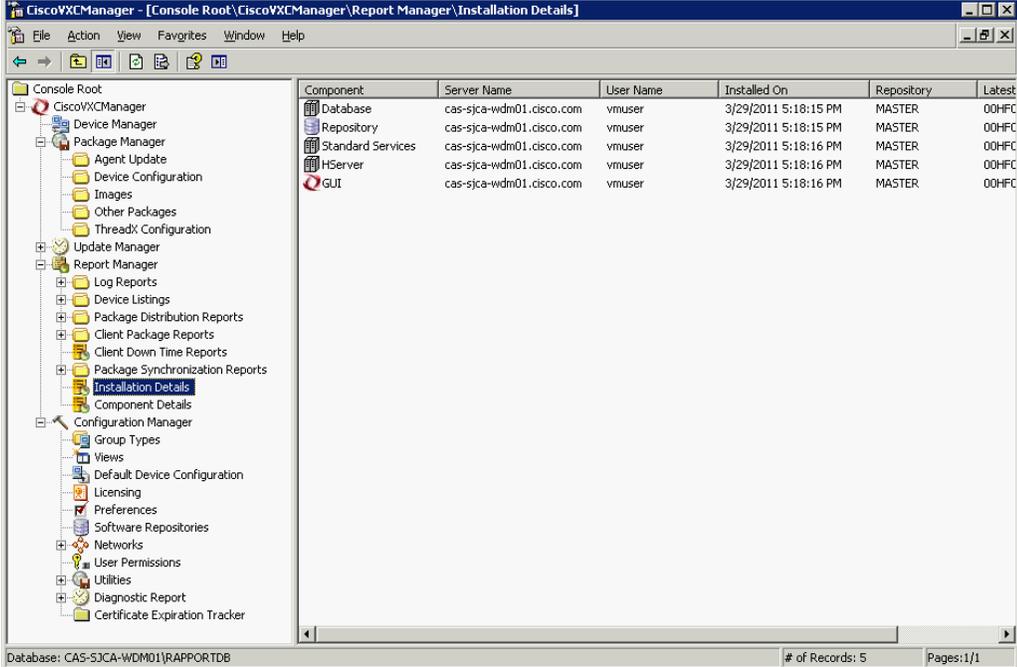
Installation Details Report

Installation Details reports provide information about the installed components of Cisco VXC Manager.

Procedure

Step 1 In the tree pane of the Administrator Console, expand **Report Manager** and choose **Installation Details** to view the report in the details pane.

Figure 6-8 Installation Details



Component	Server Name	User Name	Installed On	Repository	Latest
Database	cas-sjca-wdm01.cisco.com	vmuser	3/29/2011 5:18:15 PM	MASTER	00HFC
Repository	cas-sjca-wdm01.cisco.com	vmuser	3/29/2011 5:18:15 PM	MASTER	00HFC
Standard Services	cas-sjca-wdm01.cisco.com	vmuser	3/29/2011 5:18:16 PM	MASTER	00HFC
HServer	cas-sjca-wdm01.cisco.com	vmuser	3/29/2011 5:18:16 PM	MASTER	00HFC
GUI	cas-sjca-wdm01.cisco.com	vmuser	3/29/2011 5:18:16 PM	MASTER	00HFC

Database: CAS-SJCA-WDM01\RAPPORTRDB # of Records: 5 Pages:1/1

Step 2 You can view:

- Component—Name of Cisco VXC Manager component
- Server Name—Name of the server in which the Cisco VXC Manager component is installed
- User Name—Login ID of the User of the server
- Installed On—The date and time when the Cisco VXC Manager component was installed
- Repository—Name of the main Cisco VXC Manager repository
- Latest Hot Fix ID—ID of the latest Cisco VXC Manager hotfix installed on the server

Component Details Report

Component Details reports provide information about the running components of Cisco VXC Manager.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager** and choose **Component Details** to view the report in the details pane.

Figure 6-9 Component Details

ServerType	Server Name	IP Address	Listening Port	SSL Port	TZ Offset	Check In
HServer	cas-sjca-wdm01	10.35.48.192	80	0	-420	3/29/2011 5:26:03 PM
Module	cas-sjca-wdm01	10.35.48.192	9880	0	-420	3/29/2011 5:26:03 PM
Standard Services	CAS-SJCA-WDM01	10.35.48.192	8008	0	-420	3/29/2011 5:26:03 PM
GUI	Cas-sjca-wdm01	10.35.48.192	280	0	-420	3/31/2011 2:40:14 PM

Database: CAS-SJCA-WDM01|RAPPOR.TDB # of Records: 4 Pages: 1/1

- Step 2** You can view:

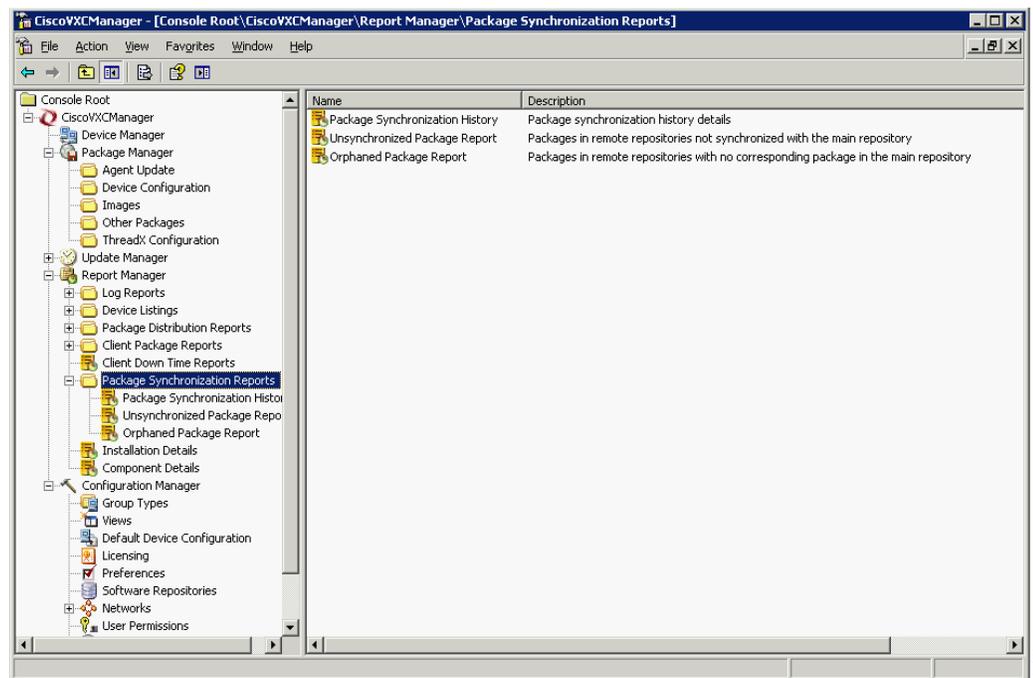
- Server Type—Name of Cisco VXC Manager component
- Server Name—Name of the server in which the Cisco VXC Manager component is installed
- IP Address—IP Address of the server in which the Cisco VXC Manager component is installed
- Listening Port—Port number where the specific component is communicating
- SSL Port—SSL Port Number
- TZ Offset—The value of the offset between the local time zone and GMT
- Check In—The date and time when the specific component checked in
- Check Out—The date and time when the specific component checked out

Package Synchronization Reports

Package Synchronization Reports provide information about the synchronization of Cisco VXC Manager packages between the Master Repository and Remote Repositories. There are three types of Package Synchronization Reports that you can view and export:

- Package Synchronization History—Displays the synchronization details of all Cisco VXC Manager packages with a Remote Repository (see [Package Synchronization History Reports, page 6-56](#)).
- Unsynchronized Package Report—Displays a row for each Cisco VXC Manager package for which the version is different between the Master Repository and Remote Repository (see [Unsynchronized Packages Reports, page 6-57](#)).
- Orphaned Package Report—Displays the list of Cisco VXC Manager packages which are present in the Remote Repository but have no corresponding Cisco VXC Manager package in the Master Repository (see [Orphaned Package Reports, page 6-59](#)).

Figure 6-10 Package Synchronization Reports



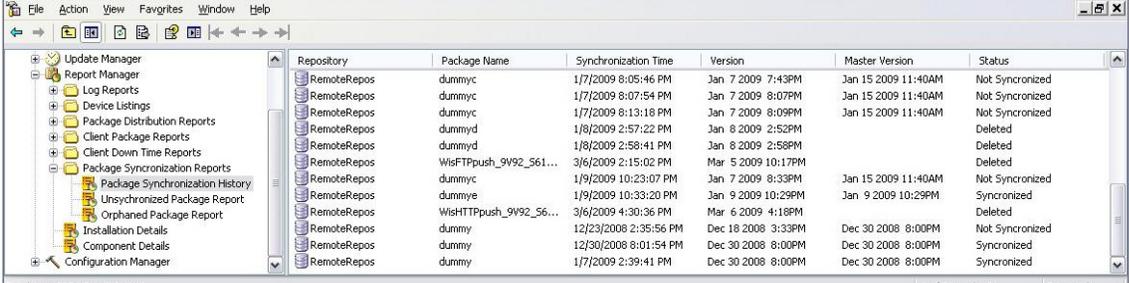
Package Synchronization History Reports

Package Synchronization History reports display the details of Cisco VXC Manager package synchronizations for each Cisco VXC Manager package in the Master Repository with a Remote Repository. One row is displayed for each time a Cisco VXC Manager package is synchronized with a Remote Repository. A Cisco VXC Manager package synchronized with n Remote Repositories will display n rows each time that Cisco VXC Manager package is synchronized.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, expand **Package Synchronization Reports**, and then choose **Package Synchronization History** to view the report in the details pane.

Figure 6-11 Package Synchronization History



Repository	Package Name	Synchronization Time	Version	Master Version	Status
RemoteRepos	dummyc	1/7/2009 8:05:46 PM	Jan 7 2009 7:43PM	Jan 15 2009 11:40AM	Not Synchronized
RemoteRepos	dummyc	1/7/2009 8:07:54 PM	Jan 7 2009 8:07PM	Jan 15 2009 11:40AM	Not Synchronized
RemoteRepos	dummyc	1/7/2009 8:13:18 PM	Jan 7 2009 8:09PM	Jan 15 2009 11:40AM	Not Synchronized
RemoteRepos	dummyd	1/8/2009 2:57:22 PM	Jan 8 2009 2:52PM		Deleted
RemoteRepos	dummyd	1/8/2009 2:58:41 PM	Jan 8 2009 2:58PM		Deleted
RemoteRepos	WisFTPpush_9V92_561...	3/6/2009 2:15:02 PM	Mar 5 2009 10:17PM		Deleted
RemoteRepos	dummyc	1/9/2009 10:23:07 PM	Jan 9 2009 8:33PM	Jan 15 2009 11:40AM	Not Synchronized
RemoteRepos	dummye	1/9/2009 10:33:20 PM	Jan 9 2009 10:29PM	Jan 9 2009 10:29PM	Synchronized
RemoteRepos	WisHTTPpush_9V92_56...	3/6/2009 4:30:36 PM	Mar 6 2009 4:18PM		Deleted
RemoteRepos	dummys	12/23/2008 2:35:56 PM	Dec 18 2008 3:33PM	Dec 30 2008 8:00PM	Not Synchronized
RemoteRepos	dummys	12/30/2008 8:01:54 PM	Dec 30 2008 8:00PM	Dec 30 2008 8:00PM	Synchronized
RemoteRepos	dummys	1/7/2009 2:39:41 PM	Dec 30 2008 8:00PM	Dec 30 2008 8:00PM	Synchronized

- Step 2** One row is displayed for each time a Cisco VXC Manager package is synchronized between the Master Repository and a Remote Repository. The number of rows displayed for a specific Cisco VXC Manager package equals the number of times that Cisco VXC Manager package has been synchronized. You can view:

- **Repository**—Name of the Remote Repository for which the Cisco VXC Manager package was synchronized
- **Package Name**—Name of the Cisco VXC Manager package
- **Synchronization Time**—The time the Cisco VXC Manager package was synchronized with the Remote Repository. Note that the Cisco VXC Manager packages scheduled for synchronization (but not yet started) do not have a synchronization time displayed.
- **Version**—Only valid for the most recent synchronization of that Cisco VXC Manager package
- **Master Version**—Current version of the Cisco VXC Manager package in the Master Repository
- **Status**—Comparison of the version of the Cisco VXC Manager package between the Master Repository and a Remote Repository at the current time as follows:
 - **Synchronized**—The Cisco VXC Manager packages are the same.
 - **Not Synchronized**—The Cisco VXC Manager packages are different.
 - **Deleted**—The Cisco VXC Manager package in the Master Repository has been deleted (if the related Cisco VXC Manager package still remains in the Remote Repository, you can view it in the Orphaned Package report as described in [Orphaned Package Reports, page 6-59](#)).

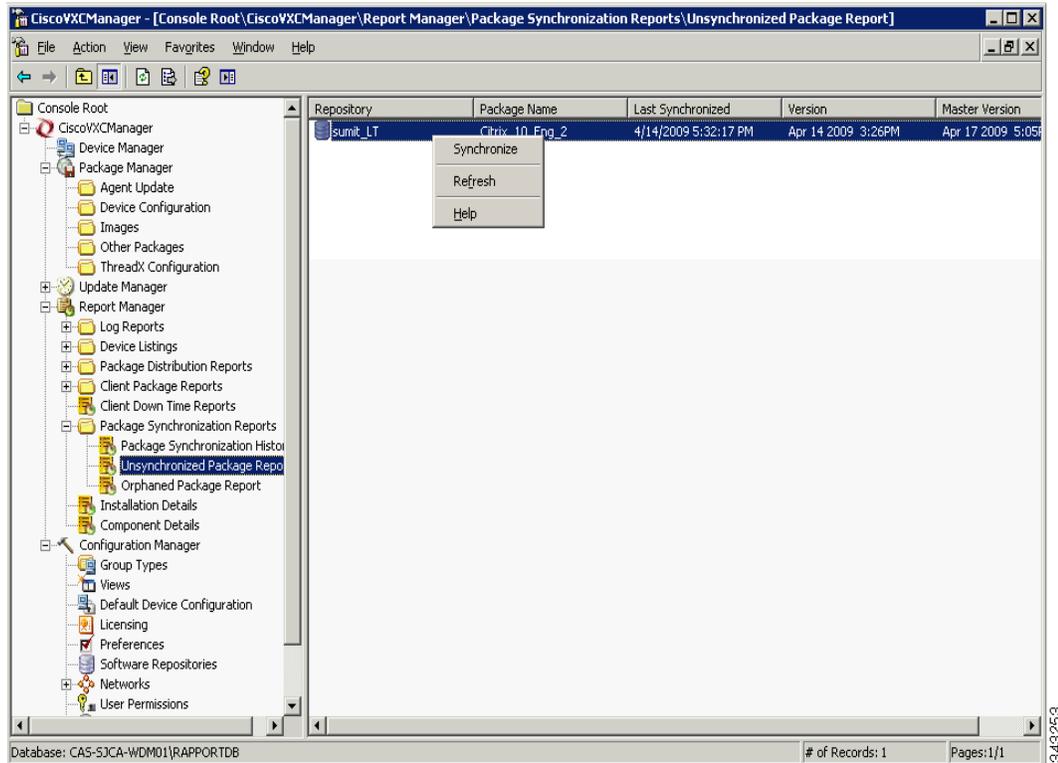
Unsynchronized Packages Reports

Unsynchronized Packages reports display the details of Cisco VXC Manager package synchronizations that have not taken place for Cisco VXC Manager packages in the Master Repository with a Remote Repository. One row is displayed for each Cisco VXC Manager package that is not synchronized with a Remote Repository. The versions of that Cisco VXC Manager package between the Master Repository and a Remote Repository are different at the current time.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, expand **Package Synchronization Reports**, and then choose **Unsynchronized Packages Report** to view the report in the details pane.

Figure 6-12 *Unsynchronized Packages Report*



- Step 2** One row is displayed for each time a Cisco VXC Manager package is not synchronized between the Master Repository and a Remote Repository. The number of rows displayed for a specific Cisco VXC Manager package equals the number of times that Cisco VXC Manager package has not been synchronized. You can view:

- **Repository**—Name of the Remote Repository for which the Cisco VXC Manager package was not synchronized
- **Package Name**—Name of the Cisco VXC Manager package
- **Last Synchronized**—Time of the most recent synchronization (this time record is also displayed in the Package Synchronization History report for the Cisco VXC Manager package)
- **Version**—Current version of the Cisco VXC Manager package in the Remote Repository
- **Master Version**—Current version of the Cisco VXC Manager package in the Master Repository



Tip To synchronize an unsynchronized Cisco VXC Manager package immediately, right-click the Cisco VXC Manager package and choose **Synchronize**.

Orphaned Package Reports

Orphaned Package reports display the details of Cisco VXC Manager packages that still remain in the Remote Repository while the related Cisco VXC Manager packages have been deleted in the Master Repository. One row is displayed for each orphaned Cisco VXC Manager package that remains in a Remote Repository.

Procedure

- Step 1** In the tree pane of the Administrator Console, expand **Report Manager**, expand **Package Synchronization Reports**, and then choose **Orphaned Package Report** to view the report in the details pane.

Figure 6-13 Orphaned Package Report

Repository	Package Name	Last Synchronized	Version
RemoteRepos	WisHTTPpush_9V92_56...	3/6/2009 4:30:36 PM	Mar 6 2009 4:18PM
RemoteRepos	WisFTPpush_9V92_561...	3/6/2009 2:15:02 PM	Mar 5 2009 10:17PM
RemoteRepos	dummyd	1/12/2009 12:09:54 PM	Jan 12 2009 12:09PM

- Step 2** One row is displayed for each orphaned Cisco VXC Manager package that remains in a Remote Repository. You can view:
- **Repository**—Name of the Remote Repository that contains the orphaned Cisco VXC Manager package
 - **Package Name**—Name of the Cisco VXC Manager package
 - **Last Synchronized**—Time of the most recent synchronization (this time record is also displayed in the Package Synchronization History report for the Cisco VXC Manager package)
 - **Version**—Current version of the Cisco VXC Manager package in the Remote Repository

