

снарте 2

Device Manager

This chapter describes how to perform routine device management tasks using the Administrator Console. It provides information on managing the devices within your Cisco VXC Manager environment.

Managing Devices

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Click **Device Manager** in the tree pane of the Cisco VXC Manager Administrator Console to open the Device Manager. The Device Manager allows you to quickly view and manage the devices within your Cisco VXC Manager environment (see Table 2-1). It also allows you to easily display the devices you want by using the available filtering and customizing features.

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ionsole Root								
CiscoVXCManager		🥑 📴 💇 💁 🐨 😻		l nu r	1.00	101.1	L : se mer	1.
	Name I I I I I	LAN MAL Address	Active IP Address	Platrorm	CUCE Linear	100.100.1.0EE	I Imaging Via PXE	11.1.0E7.01
🙀 Package Manager		44D JLA766 DOL 20E AD D ARCOER	102.100.1.100	VAU6210	SUSE Linux	102.166.1.200	Yes	11.1.057.01
Update Manager	E 1)//T //d2oo765992	44D 2CA 7CD 902	192.100.1.100	VAC6215	CLICE Linux	192,160,1,233	Yes	11.1.057.01
Configuration Manager	Ew 1440308700332	20 E 4 D R 49 A C C E	192.100.1.104	1//0213	Thread	102.100.1.200	Ne	24 re. tere1 -
Configuration Manager	pcop/ponarsoe4db4	000774649225	192.100.1.102	VAC2211	WTOS	192,100,1,235	No	7.0 £27
	WT008064844970	008064844970	192 168 1 102	V10L Thin Client	WTOS	192 168 1 255	Yer	7.1.033
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	(Clients:7 General Inc.	Page 1 0	f 1GoKcc	→ >>>]	res History 1 Custom	m lafa Diro D	alsk Denote Coo	
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	Clients :7 General Info Plagenty V Image U Vendor: C Hågent Verior. 4	Page 1 0 water Info Network w/T 1.1.05701 1.05701 1.05710	t 1Gocci Info Application Info Deputy Contect OS: Cient ID:	C >>>1 Deployed Package 1 Value Khoł Avaliabilo: SUSE Linux 7	Log History Custo And Cadaes And Cadaes Submet: Last Deckin	m Info Disc Dr 400 SCA78895 192 183 185 192 183 185 191 120 12 126	etais Remote Ses	sions
	Image: Clients:7 Clients:7 Genetal Info Hans: Utilings:	Page 1 0 dware Info Network alwe wite 11.1057.01 1.1057.01 3.30 01	I Go Fcc Info Application Info Property Location Corrtact: OS: Og: Cent ID: WriteFiker Status: Vision	Ceployed Package I Value (Not Available>) Vold Available> 2055 Linux Yot Available> 2056 Linux	Log History Cust McArdess Active IF Addess Active IF Add Subret Last Obeckin Fest Obeckin	m Info Disc Du Value 4403CA76855 1921681.055 19121681.255 19121081.255 19120212001111	alais Remote Ses	iions

Figure 2-1 Device Manager

After you choose the devices you want (you can use Ctrl-click or Shift-click to choose multiple devices), you can then begin performing your tasks.

<u>}</u> Tip

For information on using available icons to perform Device Manager tasks, see Device Manager Icons, page 1-3. For information on setting your Device Manager preferences (device check-in, upgrade, and discovery), see Device Manager Preferences, page 7-73.

Table 2-1 provides a quick overview of what you can do using the Device Manager.

Table 2-1Routine Device Manager Tasks

Tasks You Can Do	How	Details		
Choose a View (defaults or one that you created) to use with Device Manager so you can quickly find the devices you want.	In the tree pane of the Administrator Console, right-click Device Manager and choose Switch View to open and use the Select Current Manager View dialog box.	After creating Views according to your device Group Types, Networks, and so on, choose a Current Manager View to view the devices you want (see Managing Views, page 7-63).		
Create a Device Filter to use with Device Manager so you can quickly find the devices you want.	In the tree pane of the Administrator Console, right-click Device Manager and choose Create Device Filter to open and use the Filter Devices dialog box.	Creating a Device Filter, page 2-21		
View device details of your selected devices.	Click the device details tab you want.	 Viewing Device Details, page 2-10 Tip To set your preferences for device check-in, upgrade, and discovery, see Device Manager Preferences, page 7-73. 		
Search for the device that you want to use with Device Manager.	To determine the View (path) in which the particular devices you want to find	Searching for a Device with Find Device in View and Quick Find, page 2-22		
	are located, right-click Device Manager , and then choose Find Device in View to open and use the Find Device in View dialog box. To quickly find the particular devices you want, right-click any device name in the details pane, and then choose Quick Find to open and use the Quick Find dialog box.	Tip Use the search tool best suited for your environment and needs.		
Add a device to the system using Dynamic Discovery.	Cisco VXC Manager can discover the devices automatically using your preferences in the Preferences dialog box of the Configuration Manager.	Adding and Automatically Discovering Devices, page 2-13 and Adding Devices Using Manual Discovery, page 2-14		
Add a device to the system manually.	Right-click Device Manager , and then choose New > Device to open and use the Add a Device dialog box.	Adding and Automatically Discovering Devices, page 2-13 and Adding Devices Manually, page 2-15		
Change basic device information (device name, location, and so on).	Choose the devices you want, right-click the selection, and then choose Change Device Information to open and use the Change Client Information dialog box.	Changing Basic Device Information, page 2-16		

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Tasks You Can Do	How	Details
Change device network information (IP Address, DNS Server, and so on).	Choose the devices you want, right-click the selection, and then choose Change Network Information to open and use the Change Client Network Settings dialog box.	Changing Network Properties, page 2-17
Remotely shadow a device (to view and control a device remotely).	Right-click the device you want, and then choose Remote Shadow to open and use the VNC Authentication dialog box.	Remotely Shadowing Devices, page 2-20
Execute a DOS command on a device.	Right-click the device you want, and then choose Execute Command to open and use the Execute dialog box.	You can type executable commands for a given device (if the executable is not in the path of the device, you must provide a fully qualified path).
Configure the available device settings for a ThreadX device.	Right-click the ThreadX device you want, and then choose ThreadX Device Settings to open and use the ThreadX Device Information window.	Configuring ThreadX Device Information, page 2-18
Create a Diagnostic Report containing a summary of hardware and software information and a list of running processes.	Right-click the device you want and choose Diagnostic Report to view the Diagnostic Report.	Generating Diagnostic Reports, page 7-103
Create and view log files.	Right-click a device in the details pane of the Device Manager and choose Get Logs to open and use the Create Log File dialog box. To view a log file, right-click a device in the details pane of the Device Manager and choose View Log to open and use the View Logs dialog box.	Creating and Viewing Log Files, page 2-25
Shut down devices.	Choose the devices you want, right-click the selection, and then choose Shut Down .	
Reboot devices.	Choose the devices you want, right-click the selection, and then choose Reboot .	
Wake devices.	Choose the devices you want, right-click the selection, and then choose Wake On LAN.	

Table 2-1 Routine Device Manager Tasks (continued)

Tasks You Can Do	How	Details
Delete a Device from the system.	Choose the devices you want (you can use Ctrl-click or Shift-click to choose multiple devices), right-click the selected devices, choose Delete Device , and then confirm the deletion.	Image: CautionIf a device has been removed from a network before deleting a scheduled update for that device, the scheduled update may remain in a status of in-progress indefinitely. Before you delete a device, be sure there is no update scheduled for that device (in the tree pane of the Administrator Console, expand Update Manager and click Scheduled and
Use the Package Distribution Wizard to schedule a package for distribution.	Select the devices you want (you can use Ctrl-click or Shift-click to select multiple devices), right-click the selected devices, choose Package Distribution Wizard to open and use the Package Distribution Wizard.	Using the Package Distribution Wizard to Schedule a Package for Distribution, page 2-26
Use the Remote Task Manager to view Applications, Processes, and Performance for any selected device.	Select the single device you want, right-click the selected device, choose Remote Task Manager to open and use the Remote Task Manager.	Using the Remote Task Manager to View Applications, Processes, and Performance for a Device, page 2-27

Table 2-1 Routine Device Manager Tasks (continued)

Viewing Device Details

The General Info tab is displayed in the bottom of the details pane by default (see Figure 2-1).

Figure 2-2 General Info Tab

Clients :7	Page 1 Of 1	Go K<	$\langle \rangle \rangle$			
General Info	Hardware Info 📔 Network Info	Application Info	Deployed Package	Log History 📔 C	ustom Info 📔 Disc Details 📗	Remote Sessions
Property	Value	Property	Value	Property	Value	
Name:	LWT	Location:	<not available=""></not>	MAC Addre	ess: 44D3CA76BB5E	
Image:	11.1.057.01	Contact:	<not available=""></not>	Active IP A	ddress 192.168.1.105	
Vendor:	Cisco Thin Client	OS:	SUSE Linux	Subnet:	192.168.1.255	
HAgent Version:	4.3.90	Client ID:	7	Last Check	dn: 1/11/2012 1:26:30 PM	
Time Zone:	PDT	WriteFilter Status:	<not available=""></not>	First Check	In: 12/20/2011 11:59:25 AM	
L						
es					# of Device	s: 7 Clot/Po:100

<u>)</u> Tip

To view the General Info and related tabs, you may need to maximize the Cisco VXC Manager Administrator Console, and then click the plus icon (+) at the bottom of the details pane.

The Hardware Info tab (see Figure 2-3) displays the detailed hardware information, including the partition details of the disk from which the OS is booted and boot agent information for the device.

Figure 2-3 Hardware Info Tab

Clients :7	Page 1 Of 1	Go K	$\langle \langle \rangle \rangle$				_
General Info H	Hardware Info Network Info	Application Info	Deployed Package	Log History	Custom Info	Disc Details Remote S	essions
Hardware Details CPU: CPU Speed: Media Size: RAM: Serial No: Manufactured On:	Value AMD G-T56N Processor 1596 Mhz 4000 MB 1593 MB 1593 MB 11593 MB 112/1/2002	Bios and Drivers AssetTag: BIOS: Platform: Video Adapter: Sound Adapter:	Value <not available=""> 1.08_CS0 VXCE215 ATI VGA compatible of ATI Audio device</not>	controller			
evices						# of Devices: 7	Cint/Pg:100

The Network Info tab (see Figure 2-4) displays the detailed network information for the selected device, including the communication details between different components of Cisco VXC Manager.

Figure 2-4 Network Info Tab

Clients :7	Page 1		Of 1 _ G	0 K< < >	>>[_
General Info 📔 H	lardware Info	Netwo	rk Info 🕴 Applicati	on Info Deployed Pa	ckage	Log History	Custom Info	Disc Details Rer	note Sessions
Property	Value	•	Property	Value 🔺		MAC	Client IP	Description	
IP Address:	192.168.1.105		Preferred DNS S	10.100.224.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44d3ca76bb5e	192.168.1.105	RealTek RTL-8	
Subnet Mask:	255.255.255.0		Alternate DNS S	10.140.2.48					
Gateway:	192.168.1.1		Preferred WINS	<not available=""></not>					
Domain:	WDM.local		Alternate WINS	<not available=""></not>					
HTTP Repository:	Not Supported		Path:	<not available=""></not>					
Certificate Valida	Disabled		Secure Communi	Not Supported	1				
Boot Agent Versi	<not available=""></not>		Communication	80					
Root Arrent Tune:	WTOS ,		Secure Communi	No 🚬 🖊					
•			 	•					
					-				
/ices								# of Devices: 7	Clnt/Pg:100

The Application Info tab (see Figure 2-5) displays the list of the applications installed on the device.

Note

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Cisco VXC 2112/2212 ICA devices do not display any application information as WTOS only contains a single firmware file and does not support separate application modules.

Clients : 7 P	age 1 Of 1	Go K< < > >>I				_
General Info 📔 Hardware Ir	ifo Network Info Applica	tion Info Deployed Package	Log History 📔 Cu	stom Info 📔 Disc Detail	s 🛛 Remote Sessi	ons
Application	Path:	Version	Vendor	Build		
addon_support	NA	1.0.1-1.8				
cheetah	NA	1.5.0-02.14				
compat-wireless	NA	2.6.39-1sn.2				
custom_conn	NA	1.0.0-01.04				
device settings	NA	1.0.1-01.26				
diagnostics	NA	1.0.1-01.09				
ethtool	NA	6-78.28.19+1				
factory reset	NA	1.0.1-01.28				
falry-thin	NA	11.9-1			•	
es				# of [)evices: 7	Clot/Po:100

Figure 2-5 Application Info Tab

The Deployed Package tab (see Figure 2-6) displays the list of all Cisco VXC Manager packages distributed to the device.

Figure 2-6 Deployed Package Tab

Clients :7	Page 1 Of 1	Go << <	> >>				_
General Info 📔 Ha	ardware Info 📔 Network Info	Application Info Deploy	ed Package:	Log History	Custom Info	Disc Details 🛛 🗍 Remot	e Sessions
Package	Description	Updated					
VCX-6125	11.1.57.01	Jan 11 2012 10:07AM					
rices						# of Devices: 7	Cint/Pg:100

The Log History tab (see Figure 2-7) displays the list of all logs corresponding to Cisco VXC Manager package distribution for the selected device.

Figure 2-7 Log History Tab

	Clients :7	Page 1 0	if 1 Go KK	< > >>		_
	General Info 📔 Hardv	vare Info 📔 Network	Info Application Info De	eployed Package Log History Custom Info Disc Deta	ails Remo	ote Sessions
	Date	User	Software Pkg	Description		
	Dec 20 2011 2:30PM	Web Service Administrator	DDC_Build191 VCX-6125	No Return Status From An In-Progress Update. Update Moved To Erro Script Success To: 44d3ca76bb5e. Medin-Process-SUCCESS	or	
	Jan 11 2012 12:29PM	Administrator	VCX-6125	Script Success To:44d3ca76bb5e Merlin-Process-SUCCESS		
evi	ces			# of	Devices: 7	Cint/Pg:100

The Custom Info tab (see Figure 2-8) displays all custom information (such as, location, contact, and so on) for the selected device.

Figure 2-8 Custom Info Tab

Clients :7	Page	1 Of 1	Go << <	\rightarrow \rightarrow			_
General Info	Hardware Info	Network Info	Application Info Deploy	ved Package Log History	Custom Info	Disc Details Rem	ote Sessions
Custom Field	Custor	Value	1				1
Custom1	00000	11100					
Custom2							
Custom3							
vices						# of Devices: 7	Cint/Pg:100
						· · · · · · · · · · · · · · · · · · ·	

The Disk Details tab (see Figure 2-9) displays the list of all disks including their partition details existing in the selected device.

	Clie	ents :7	Page 1		Of 1	Go K	< < >	>>				_
Ger	neral Ir	nfo Ha	rdware Info 🎽	Netwo	nk Info	Application Info	Deployed Pa	ickage Log History	Cust	om Info Di	sc Details 📄 Remo	ote Sessions
Dis	sc#	Boot Disc	Disc Size	Par.#	Par. Boot	Par. Size	Par. Offset	Par. Type	Drive	Total Size (MB)	Free Space (MB)	
0		No	NA	NA	NA	NA	NA	NA	/rea	157	0	
									/rea	3750	3170	
									I			
/ices											# of Devices: 7	Cint/Pg:100

Disc Details Tab Figure 2-9

The Remote Sessions tab (see Figure 2-10) displays all remote information (connection type, connection name, server name, and so on) for the selected device.

Note

The Remote Session tab does not display session information for Mozilla Firefox connections on the Cisco VXC 6215.

Figure 2-10	Remote Sessions	Tab

Clients :7	Page 1 Of 1	Go KK K	> >>[_
General Info 📔 Hardwar	e Info 🌔 Network Info	Application Info Deplo	oyed Package 📃 Log Histo	ory 📔 Custom Info	Disc Details Remo	e Sessions
Connection Type	Connection Name	Server Name	Domain Name	Username	Port	
VMWARE_VIEWCLIENT	win732	10.100.224.6		win732	80	
vices					# of Devices: 7	Cint/Pg:100

Adding and Automatically Discovering Devices

Cisco VXC Manager becomes aware of the devices in your network using either dynamic discovery or a manual process. After Cisco VXC Manager identifies the devices in the network, it stores information about them in the Cisco VXC Manager Database. You can then use Cisco VXC Manager to manage the devices.

Devices with the Cisco VXC Manager Agent (also referred to as the HAgent) installed must be linked to the Web Service so that the devices can check-in regularly. At check-in time, the Cisco VXC Manager Agent provides the Web Service with device information such as device name, hardware information (such as platform, flash size, memory, CPU, asset number, serial number), network information (such as WINS, DNS, IP address, Domain Name, subnet), image number, and so on. There are five ways in which devices can be linked to the server that contains the Web Service:

- Set Up a DHCP Server—(Recommended for WTOS clients and SUSE Linux clients) Linking is accomplished through DHCP Option Tags 186 and 192 which allow the DHCP server to supply the Cisco VXC Manager Agent with the proper Cisco VXC Manager Web Server IP address and port. See Configuring the DHCP Server, page D-1.
- DHCP Option Tags and DNS SRV Records—(Required for ThreadX clients) See Configuring the DHCP Server, page D-1, Configuring a DNS Service Location (SRV) Resource Record for ThreadX Devices, page D-7, and Configuring a Cisco VXC Manager Server Host Name in the DNS Server, page D-9 for details.

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- Enable DHCP Options for HTTP Discovery—Cisco VXC Manager services includes a DHCP Proxy that will respond to DHCP Inform requests from Cisco VXC Manager Agents with the Web Server IP address and port.
- Manual Discovery—Initiate discovery from the server to find devices by either Subnet Broadcast or IP Range. Cisco VXC Manager Agents will respond to the server discovery by storing the discovering Web Server IP address and port and begin regular check-ins.
- Manual Device Setup—Manually enter the Web Server IP address and port on each device. You can do this through the Cisco VXC Manager Control Panel applet on the device (if supported by the device).

You can add devices to Cisco VXC Manager either by having Cisco VXC Manager discover the devices using Dynamic Discovery or by manually adding devices.

Using Dynamic Discovery, the Cisco VXC Manager Agent checks in periodically with the Cisco VXC Manager Web Service. This form of check-in is based on pull communications because the Cisco VXC Manager Agent initiates communications. For more information on using Cisco VXC Manager to discover devices, see Adding Devices Using Manual Discovery, page 2-14.

When you add devices manually, you instruct Cisco VXC Manager to discover devices on command. This method uses push communications because the Cisco VXC Manager Server initiates the operation. When you choose this method of adding devices, you can specify whether to add devices through a UDP broadcast or through a TCP connection to every device within a subnet or an IP Range setting. For more information on manually adding devices to Cisco VXC Manager, see Adding Devices Manually, page 2-15.

Adding Devices Using Manual Discovery

With new devices that come with the Cisco VXC Manager Agent pre-installed, you must link the Cisco VXC Manager Agent on the devices to the Cisco VXC Manager Web Service. Once the link is established, the devices check in periodically using Dynamic Discovery.

Use the following guidelines to manually discover devices with the Device Manager:

Procedure

- **Step 1** In the tree pane of the Administrator Console, right-click **Device Manager** and click **Find Devices** to open the Find Devices dialog box.
- **Step 2** Using the radio buttons, specify whether to discover devices by subnet or IP range.
- **Step 3** (Optional) To discover devices by IP range:
 - a. Click the IP Ranges option.
 - **b.** From the Network List pane, choose either individual IP ranges (use Shift or Ctrl to choose multiple subnets) or all IP ranges by clicking **Select All** (the maximum number of ranges that can be selected at any given time for discovery is 100).
- **Step 4** (Optional) To discover devices by subnet:
 - a. Click the Subnets option.
 - **b.** If you enabled the Show Subnet Hierarchy preference (see Subnet Preferences, page 7-85) and you want to choose a subnet hierarchy level to find devices, choose a subnet hierarchy level from the Network Hierarchy pane. The corresponding broadcast addresses for the subnets in the hierarchy will be displayed on the Network List pane.

If you did not enable the Show Subnet Hierarchy preference, continue with the next step.

- **c.** From the Network List pane, choose either individual broadcast addresses (use Shift or Ctrl to choose multiple subnets) or all broadcast addresses by clicking **Select All**.
- **Note** The maximum number of subnets that can be selected at any given time for discovery is 100. Initially, Cisco VXC Manager will discover up to approximately 50 subnets (always starting from the first subnet). To discover any remaining subnets, you must restart the discovery.
- **Step 5** Click **OK**. Cisco VXC Manager begins discovering the devices according to your selections. The details pane displays both the newly discovered devices along with devices that have been discovered previously.

Adding Devices Manually

Cisco VXC Manager also allows you to manually add devices to the Cisco VXC Manager Database (for example, in cases where technical issues prevent you from discovering a device that is otherwise operating normally, or in cases where the operating system of a device has become corrupt and the device does not operate normally).

Use the following guidelines when adding devices manually:

Procedure

- Step 1 In the tree pane of the Administrator Console, right-click Device Manager, and then choose New > Device to open the Add a Device dialog box.
- **Step 2** Use the following guidelines:
 - Name—Machine name of the device as you want it to be displayed in the Device Manager.
 - MAC Address—Media Access Control (MAC) address of the device, which uniquely identifies the device on the network. Be sure to enter the MAC address accurately or Cisco VXC Manager will not be able to communicate with the device.
 - IP Address—Internet Protocol address of the device. This identifies the device on a TCP/IP network. Network messages are routed to the device based on the IP address.
 - Media Size—Enter the flash memory size of the device in megabytes (for example, 32, 48, 96, and so on).
 - Operating System—Installed operating system of the device.
 - Platform—Hardware platform for the device.
 - Callisto-2—Choose this option if the device is a Callisto-2 device.
 - Subnet—The subnet for the device.
 - Imaging via PXE—Choose this option if the device is capable of being imaged by Cisco VXC Manager (the device supports the Preboot EXecute Environment).
- **Step 3** After completing your configurations click **OK**. The newly added device appears in the details pane. If you have created a View corresponding to any of the device group type characteristics, the device is automatically incorporated into the appropriate View.

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Changing Device Properties

Device Properties consist of basic properties and network properties. You can change basic properties by using the procedures in Changing Basic Device Information, page 2-16. You can change the network properties by using the procedures in Changing Network Properties, page 2-17.

Changing Basic Device Information

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Caution	This section does not apply to Cisco VXC 2111/2211 clients running ThreadX firmware.

Procedure

- **Step 1** Switch to the view containing the devices you want to change.
- **Step 2** Choose the devices you want to change, right-click the selection, and then choose **Change Device Information** to open the Change Device Information dialog box.

Figure 2-11 Change Device Information

Change Device Information	×
Please enter the new device in devices, please enter the starti	formation. If you selected multiple ng range value.
Computer Name: 👿	/T00806499d4df
Range Starting Value:	1
Location:	
Contact:	
Custom1:	
Custom2:	
Custom3:	
☑ <u>R</u> eboot Device Immediately	(User will NOT be notified)
2	<u>Q</u> K <u>C</u> ancel 4

- **Step 3** Use the following guidelines:
 - Computer Name—Enter a descriptive name for the computer (or range of computers, if you selected multiple devices).
 - Range Starting Value—If you selected multiple devices, an incremental number will be appended to the name of each device. Enter the starting number for the range of devices.
 - Location—Enter a descriptive location where the device or devices reside. For example, San Jose headquarters, 2nd floor.
 - Contact—Enter the name of the person who can serve as a contact for the device or devices in the range.
 - Custom1, Custom2, Custom3—Enter any additional information that you want to maintain along with the device or group of devices (asset tracking data, a service date, a date of acquisition, or any other information that is useful to you).

- **Step 4** Depending on whether or not you want to reboot the device or devices automatically after changing the information (devices are updated only after a reboot) check or uncheck **Reboot Device Immediately** (be aware that if you choose to reboot immediately, users will not be notified that the device will be rebooted). Note that Write Filter devices ignore this option and will reboot immediately.
- **Step 5** Click **OK** to open the details pane displaying the newly updated device information after the devices have rebooted and checked-in.

Changing Network Properties



Caution

This section does not apply to Cisco VXC 2112/2212 clients running WTOS firmware.

Procedure

- **Step 1** Switch to the view containing the devices you want to change.
- Step 2 Choose the devices you want to change, right-click the selection, and then choose Change Network Information to open the Change Device Network Settings dialog box.



lease select the Network settings you would like for the sele nd static IP Addresses are required, the specified IP Address ssign.	cted device(s). If multiple devices have been selected s will be used as the starting IP Address of the range to
Obtain an IP Address automatically	Obtain DNS Server Address Automatically
C Use the following IP Address	C Uge the following DNS Server Addresses
IP Address: 10 _ 32 _ 180 _ 36	Preferred DNS Server: 171 . 70 . 168 . 183
Subnet Mask: 255_255_254_0	Alternate DNS Server: 171 . 68 . 226 . 120
Gateway: 10 32 180 1	
Domain Suffix:	Objain WINS Server Address Automatically Suse the following WINS Server Addresses
	Preferred WINS Server: 0 0 0 0
 Heboot Device Immediately (User will NUT be notified) 	Alternate WINS Server: 0.0.0.0

- **Step 3** Depending on whether or not you want to assign a static IP Address for the selected devices, complete one of the following:
 - If no, click Obtain an IP Address automatically and continue with the next step.
 - If yes, click Use the following IP Address and complete the fields in the IP Address section.

Step 4

Step 5

Step 6



- Step 7 Depending on whether or not you want to reboot the device or devices automatically after updating the information (devices are updated only after a reboot) check or uncheck the Reboot Device Immediately check box (be aware that if you choose to reboot immediately, users will not be notified that the device will be rebooted). Note that Write Filter devices ignore Reboot Device Immediately and will reboot.
- **Step 8** Click **OK**. The details pane will display the newly updated network information after the devices have rebooted and checked-in.

Configuring ThreadX Device Information



This section is applicable only to Cisco VXC 2111/2211 clients running ThreadX firmware for PCoIP.

Use the following guidelines to configure ThreadX device information.

Configuration Settings—Cisco VXC Manager supports the following configurations on the device side:

- Label settings
- Time Zone settings
- Video settings
- Global settings for RDP



Note Cisco does not provide support for RDP network implementations with the Cisco VXC 2111/2211 clients.

• VMware View settings

10.							
🛅 CiscoVXCManager - [Cor	isole Root\CiscoVXCMan	ager\Device Manager]					_ 8
🛅 File Action View Favor	ites <u>W</u> indow <u>H</u> elp						_ 8
⇔ → 🗈 🖬 🔮 🖬 📐 🔁	i 🛅 🔎						
Console Root	🕹 🔶 👩 💁 📭 🦄						
Q CiscoVXCManager	T Namo	LANIMAC Address	Active IP Address	Diatform	00	Subnot	DVE Canablo
- 🚑 Device Manager	Rane	00-80-64-88-56-CD	102 169 1 101	Piatomi		192 168 1 255	No. 3
🖻 😱 Package Manager	Lest	00-80-64-87-97-72	10.150.100.12	Change Network Information		192,168,1,255	No
- 🔁 Agent Update	Last2	080645423423	10.150.10.11	Refresh Device Information		192.168.1.255	Yes
- 🔁 Device Configurati	📠 test3	00-80-64-34-43-32	10.150.100.10	Quick Find Create Device Filter		192.168.1.255	No
- 🔂 Images				ThreadX Device Settings			
- C Other Packages				Get Logs			
- ThreadX Configura				View Log			
🖻 🥸 Update Manager				Reboot			
- 🕄 Software Reposito							
				Delete			
🖻 🍓 Report Manager				Package Distribution Wizard			
E Cog Reports				Export List			
🗄 🔂 Device Listings				View	N		~
🕀 🔂 Package Distributi				YIG IY	-		a
🗉 🔂 Client Package Rej				Help			4
🗄 📆 Client Down Time							ac
🗄 🔿 De alva e O ve alvana							

Figure 2-13 ThreadX Device Settings Menu Option

To configure the available device settings for a device, right-click a device and choose the **ThreadX Device Settings** menu option to open and use the ThreadX Device Information window.

Figure 2-14 ThreadX Device Information

	Time Zone
Change the ThreadX device labels	Time Zone Configuration
ThreadX device Name: ThreadXTest	Identify NTP Host by:
hreadX Device Description:	NTP Host DNS Name: O IP Address FQDN
Generic Tag	
Anniu Anniu	
Cites	NTP Host Port: NTP Query Interval:
Adjust the image quality. A lawer minimum image quality will allow a	0 Minute(s) Saving Time
higher frame rate when network bandwidth is limited (Client only)	Time Zone:
Minimum Image Quality 0	(GMT-12:00) International Date Line West
Maximum Initial Image Quality: 0	Apply
	VMware View
DP	Configure the View Connection Server settings for the device
Resolution: Bitdepth: Terminal Server Port:	compare the new competent entries age for the device
Native Besolution	Connection Server IP Address: 0 0 0 0
	1 00 00 00 00 00 00 00 00 00 00 00 00 00
Apply	Port: 180 (Leave blank for default)
anguage	SSL: 🗖 Use secure connection (SSL)
Select a language for the local GUI (Client only)	Auto Connect: 🔲 Always connect to this server at startup
	Enable VMware View
Language:	Auto Launch If Oply Ope Desktop
Language:	

After you configure the device settings, click **Apply** to apply a single configuration set or click **Apply All Settings** to apply the entire configuration set at one time.

<u>}</u> Tip

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To configure the available device settings for multiple devices, right-click the devices you want in the list of devices and choose the **ThreadX Device Settings** menu option to open and use the ThreadX Device Information window. In this case, only the Apply All Settings command button is available for use (the Apply command button for each configuration set is disabled).

1

Refresh Device Information—To manually refresh the device information, right-click a device and choose the **Refresh Device Information** menu option.

Figure 2-15 Refresh Device Information Menu Option

🚡 CiscoVXCManager - [Con	isole Root\CiscoVXCMa	nager\Device Manager]]				_	. 8 ×
🚡 <u>F</u> ile <u>A</u> ction <u>V</u> iew Fav <u>o</u> ri	ites <u>W</u> indow <u>H</u> elp						_	BX
⇔ → 🗈 📧 😫 🖬 📐 🤁	i 🛅 🔎							
Console Root	💐 💠 🔯 🖳 🖷 🍸 🖄	9						
Q CiscoVXCManager	∇ Name	LAN MAC Address	Active IP Address	Platform	OS	Subnet	PXE Capable	Imag
Gevice Manager Gevice Manager Gevice Configurati	pcoip-portal-00806488. test test2	00-80-64-88-56-CD 00-80-64-87-97-72 080645423423 00-80-64-34-42-32	192.168.1.101 10.150.100.12 10.150.10.11 10.150.100.10	Change Network Info Refresh Device Info	formation	192,168,1,255 192,168,1,255 192,168,1,255 192,168,1,255 192,168,1,255	No No Yes	32√2
Images Other Packages Thready Configura		00-00-04-04-43-32	10.130.100.10	Create Device Filter ThreadX Device Set	tings	132,100,1,233	140	
Difference State S				Reboot				
- Software Reposito				Delete				
E Report Manager				Package Distribution	n Wizard			
E Cog Reports E Cog Reports				Help				
🕀 🔂 Package Distributio				View	•			
Client Package Rep B Rown Time								
🕀 🔂 Package Synchror								
Installation Details								

Reboot—To manually reboot the device, right-click a device and choose the Reboot menu option.

Remotely Shadowing Devices

Viewing and controlling a device remotely (shadowing a device) is useful to help a user with a particular application and to troubleshoot device problems.



This section is not applicable to Cisco VXC 2111/2211 clients running ThreadX firmware for PCoIP.

Procedure

- **Step 1** Switch to the view containing the device you want to shadow.
- Step 2 In the Device Manager details pane, right-click the device you want to shadow and choose **Remote** Shadow.
- **Step 3** The Standard VNC Authentication dialog box prompts you for a VNC host, username and password.

Figure 2-16 VNC Authentication

Standard V	NC Authentication
VNC Host:	192.168.0.110
tight VNC	User name: Password:
	<u>DK</u>

Step 4 Enter the VNC host, username and password you set up earlier for VNC authentication and click **OK** (note that some manufacturers hard-code passwords into their devices, requiring you to contact the manufacturer to obtain the device password). A window displays the device screen and allows you to run applications and control the device from the Administrator Console.

Step 5 To end the shadowing, close the viewer.

Creating a Device Filter

Create a Device Filter with Device Manager to quickly find the devices you want.

Procedure

Step 1 In the tree pane of the Administrator Console, right-click Device Manager and choose Create Device Filter to open the Filter Devices dialog box.

Figure 2-17 Device Filter

🕐 Filter Devices				×
Enter a text valu	ue and click the a	add button		
Column Name	Relatio	'n	Value	
Active IP Address BackupImageVer Domain Image LAN MAC Addres Last CheckIn Media Size Name	sion Is Nulls Not Sion Match Conta Begin Ends	Null es Exactly ins s With With ase Sensitive F	10.100.219	9.10
And Or Add Undo	Filter Active IP Address	≩Matches Exa	ctly "10.100.219.10)u
2			OK	Cancel

Step 2 Use the following guidelines when creating the filter:

- Choose the item you want in the Column Name list to display the Relation selections available for that Column Name.
- After you choose the item in the Relation list, you may need to enter a Value to be able to use the Case Sensitive Filter check box (depending on the item you choose).
- After you configure your item, you can add your item (click Add) to the Filter pane.
- When you add more than one item, you can click either the **And** radio button or the **Or** radio button before adding your item (click **Add**) to the Filter pane.
- To remove an item from the Filter pane, click Undo.
- **Step 3** After completing your criteria, click **OK** to create the filter for use.

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Tip To use the Device Filter, right-click **Device Manager**, and then choose **Find Devices** to display the devices that match your filter criteria.

Editing a Device Filter

In the tree pane of the Administrator Console, right-click **Device Manager**, and then choose **Edit Device Filter** to open and use the Filter Devices dialog box.

Deleting a Device Filter

In the tree pane of the Administrator Console, right-click **Device Manager**, and then click **Remove Device Filter**.

Searching for a Device with Find Device in View and Quick Find

While you can use either of the Cisco VXC Manager search tools to find the devices you want, use the search tool best suited for your environment and needs as follows:

- Find Device in View—Useful in multiview environments to determine the View (path) in which the particular devices you want to find are located (see Using Find Device in View, page 2-22).
- Quick Find—Useful in single-view environments to quickly find the particular devices you want (see Using Quick Find, page 2-23).

Using Find Device in View

In the tree pane of the Administrator Console, right-click **Device Manager**, and then choose **Find Device in View** to open the Find Device in View dialog box displaying a list of all the devices in the view and the view path next to each device.

 \mathcal{P} Tip

You can also use the Find Device in View icon to open the dialog box.



alorrinkor.		archin topeny.		
		ame	<u> </u>	
	N	ame AC Address		
Device Name	AILC	Address		
	S	ubnet S		
	Š	erial Number		
	In	nage Number	-	
		ocation		

You can use the Search Filter field (enter your text) and Search Property field (choose a property) to filter and find the devices you want.

Using Quick Find

Right-click any device name in the Device Manager view and choose **Quick Find** to open and use the Quick Find dialog box.

Figure 2-19 Quick Find Search

SQuick Find	٩
Search for:	
(Use ''*'' for wildcard search)	
Select Column to Search:	
ALL Columns	
🗖 Single Page Search 🗖 Match <u>c</u> ase	
Previous <u>N</u> ext <u>C</u> ancel	10010

<u>P</u> Tin

Only devices in the currently displayed view can be searched.

Use the following guidelines when searching:

- Search for Options—There are two options for the Search For field:
 - Enter a search term, for example, ABC.
 - Choose a search term used previously from the drop-down menu. Your last 20 searches are displayed in this list.
- Wildcards—You can use wildcards in the Search for field. Enter an asterisk (*) at the beginning, the end, or both the beginning and end of an entry to represent additional characters.
- Select Column to Search Options—Allows you to search for your entry in all displayed columns or a specific column only.
- Single Page Search and Match Case Options—Use these check boxes to restrict your search to a single page or to consider the case of the letters in the Search for field.
- Direction of Your Search—Click **Previous** or **Next** to determine the direction of your search. Click **Next** to search forward from the top of each page to the bottom and from that page to the following page. Click **Previous** to search backward from the bottom of each page to the top and from that page to the previous page.
- Stop a Search—Click Stop Searching during a search.
- Results—When the search finds a device, the row that represents the device is highlighted in the Device Manager window (you can then click **Previous** or **Next** to find additional results). If your search produces no matches, the "Device not found" message appears.

						-
V Name	MAC Address	IP Address	Platform	OS	Subnet	Imagea
LVTC00223	23B9C1BF7E9A	2.2.2.225	×L	WTOS	10.10.55.255	No
🔜 VTC00224	23B9C1BF7F7A	2.2.2.226	×L	WTOS	10.10.55.255	No
🔜 VTC00225	23B9C1BF805B	2.2.2.227	×L	WTOS	10.10.55.255	No
🔜 VTC00226	23B9C1BF813D	2.2.2.228	XL	WTOS	10.10.55.255	No
🔜 VTC00227	23B9C1BF8220	2.2.2.229	XL	WTOS	10.10.55.255	No
🔜 VTC00228	23B9C1BF8304	2.2.2.230	XL	WTOS	10.10.55.255	No
🔜 VTC00229	23B9C1BF83E9	2.2.2.231	🕒 Quick Find	4	.55.255	No
🔜 VTC00425	23B9C1BF7EA7	2.2.3.171	- Quick Third		.55.255	No
🔜 VTC00426	23B9C1BF8051	2.2.3.172	Search for:		.55.255	No
VTC00427	23B9C1BF81FC	2.2.3.173		9	.55.255	No
🔜 VTC00428	23B9C1BF83A8	2.2.3.174	1021		.55.255	No
🔜 VTC00558	23B9C1BF7E43	2.2.4.48	Select Column	to Search:	.55.255	No
🔜 VTC00559	23B9C1BF8072	2.2.4.49	ALL Columns		.55.255	No
🔜 VTC00560	23B9C1BF82A2	2.2.4.50			.55.255	No
🔜 VTC00666	23B9C1BF80A9	2.2.4.156	Single Pag	e Search 🔲 Mato	h case .55.255	No
🔜 VTC00667	23B9C1BF8344	2.2.4.157	,,		.55.255	No
🔜 VTC00758	23B9C1BF80B7	2.2.4.248	Previous	Nevt	Cancel .55.255	No
🔜 VTC00759	23B9C1BF83AE	2.2.4.249		<u></u>	.55.255	No
🔜 VTC00840	23B9C1BF80CE	2.2.5.74	×L	WIUS	10.10.55.255	No
🔜 VTC00841	23B9C1BF8417	2.2.5.75	XL	WTOS	10.10.55.255	No
VTC00914	23B9C1BF7E75	2.2.5.148	×L	WTOS	10.10.55.255	No
SVTC00915	23B9C1BF8208	2.2.5.149	XL	WTOS	10.10.55.255	No
🔜 VTC00984	23B9C1BF8216	2.2.5.218	×L	WTOS	10.10.55.255	No
SVTC01048	236301010036	2.2.6.26	×L	WTOS	10.10.55.255	No ,
VTC01109	23B9C1BF8151	2.2.6.87	×L	WTOS	10.10.55.255	No
NTC01166	2389C18F7FB3	226144	×	W/TOS	10 10 55 255	No d

Figure 2-20 Successful Search Results

<u>}</u> Tip

Searching across pages is much slower than searching the same number of devices when they are all displayed on a single page. To improve search performance, increase the number of devices displayed per page and enable the Single Page Search feature in the Quick Find dialog box. To increase the number of devices displayed on a page, use the Device Manager Preferences window, as shown in Figure 2-21.

Figure 2-21 Devices Displayed on a Single Page

Preferences		
Device Manager DDC Logging Levels 	Device Manager Preferences Web Service Check-In Preferences Perform a partial check-in every: 1 + Missed Checkins for Yellow Icon: 1 + Missed Checkins for Red Icon: 2 + Auto Agent Upgrade Preferences Image Preferences Automatically Upgrade Older Agents: Image Free Image Preferences Image Preferences Image Preferences Image Preferences	
2	<u>QK</u> <u>C</u> ancel	343168

Administration Guide for Cisco Virtualization Experience Client Manager 4.9

Creating and Viewing Log Files

To create log files that you can view, right-click a device in the details pane of the Device Manager and choose **Get Logs** (enter a name, choose the type of log file you want, and then click **OK**).

```
<u>Note</u>
```

Support of this feature is platform dependent. It is supported only on Cisco VXC 6215 and Cisco VXC 2111/2211.



Figure 2-22 Creating Log Files

To choose the log file you want to view, right-click a device in the details pane of the Device Manager and choose **View Log** (choose the type of log file you want, choose the log file name you want, and then click **View Log**).

The same I when I have been been				
Prease Select one log type.	C OS	Agent	C VNC	
Log File Name	1100065			
# WE SUBBUBH/ SUSP 2_1_1025201	11103335			
				0.11.1
elected log file: WES0080647	305F2_1_10252011	103355	Yew Log	Delete Log
2010/2/23 6:34:43 Client->S 2010/2/23 7:36:36 Client->S	erver: Sending full Checi erver: Sending Partial Ch	k-in[V01] veck-in (Heart-beat)[V03]		
2010/2/23 8:38:29 Client+)S 2010/2/23 9:40:22 Client+)S	erver: Sending Partial Ch enver: Sending Partial Ch	eck in [Heart-beat][V03]		
2010/2/23 10:42:14 Client->	Server: Sending Partial C	heck-in (Heart-beat)(V03)		
2010/2/23 12:46:0 Client>S	erver: Sending Partial Ci erver: Sending Partial Ci	eck-in (Heart-beat)[V03]		
2010/2/23 13:47:52 Client> 2010/2/23 14:49:45 Client>	Server: Sending Parlial 0 Server: Sending Parlial 0	heck in [Hearl beat][V03] heck in [Hearl beat][V03]		
2010/2/23 15:51:37 Client->	Server: Sending Partial 0 Server: Sending Partial 0	Theck-in (Heat-beat)(V03)		
2010/2/23 16/52/30 Clarks	Center Centry Patial (heck-in [Heat-beat][V03]		
2010/2/23 16:53:30 Client-> 2010/2/23 17:55:23 Client->	Server, Serving Pasar	Search in Diana hand have 100,0000		
2010/2/23 16:53:30 Client> 2010/2/23 17:55:23 Client> 2010/2/23 18:57:15 Client> 2010/2/23 19:59:8 Client> 5	Server: Sending Partial C erver: Sending Partial C	heck in [Heat beat][V03] wck in [Heat beat][V03]		
2010/2/23 16:53:30 Client> 2010/2/23 17:55:23 Client> 2010/2/23 18:57:15 Client> 2010/2/23 19:59:8 Client> S 2010/2/23 21:11 Client> Se 2010/2/23 22:253 Client> S	Server: Sending Partial C erver: Sending Partial C rver: Sending Partial Ch erver: Sending Partial Ch	Check in [Heart beat][V03] heck in [Heart beat][V03] heck in [Heart-beat][V03] heck in [Heart-beat][V03]		
2010/2/23 16:52:30 Client-> 2010/2/23 17:55:23 Client-> 2010/2/23 18:57:15 Client-> 2010/2/23 19:59:8 Client-> 2010/2/23 19:59:8 Client->5 2010/2/23 22:52 Client->5 2010/2/23 22:52 Client->5 2010/2/23 22:446 Client->5	Server: Sending Pathal C erver: Sending Pathal D rver: Sending Pathal D erver: Sending Pathal D erver: Sending Pathal D erver: Sending Pathal D	Check in (Heart beat)[V03] reck in (Heart beat)[V03] sck in (Heart-beat)[V03] reck in (Heart-beat)[V03] reck in (Heart-beat][V03]		
2010/2/23 16:53:30 Client- 2010/2/23 17:55:23 Client- 2010/2/23 19:57:15 Client- 2010/2/23 19:59:88 Client-S 2010/2/23 23:46 Client-S 2010/2/23 23:46 Client-S 2010/2/23 23:46 Client-S 2010/2/24 18:31 Client-Se	Server: Sending Partial D erver: Sending Partial D rver: Sending Partial D erver: Sending Partial D erver: Sending Partial D rver: Sending Partial Chr rver: Sending Partial Chr	Sheck in [Heart-beal[V03] reck in [Heart-beal[V03] reck in [Heart-beal[V03] reck in [Heart-beal[V03] reck in [Heart-beal[V03] rck in [Heart-beal[V03] rck in [Heart-beal[V03]		
2010/2/23 1655:30 Claret> 2010/2/23 1755:23 Claret> 2010/2/23 1755:23 Claret> 2010/2/23 1756:23 Claret> 2010/2/23 1251:11 Claret>Se 2010/2/23 1251:23 Claret>Se 2010/2/23 23:44.6 Claret>Se 2010/2/24 10:33 Claret>Se 2010/2/24 10:33 Claret>Se 2010/2/24 10:32 Claret>Se 2010/2/24 21:24 Claret>Se 2010/2/24 21:24 Claret>Se	Server: Serving Parial erver: Sending Parial Dr ver: Sending Parial Dr erver: Sending Parial Dr erver: Sending Parial Dr rver: Sending Parial Dr ver: Sending Parial Dr erver: Sending Parial Dr Litert: Refersit Device Ir	Jack in [Heat beat[V03] seck in [Heat beat[V03] isonalism request[V51]		
2010/2/23 16:52:30 Clare/s 2010/2/23 18:57:15 Clare/s 2010/2/23 18:57:15 Clare/s 2010/2/23 18:57:15 Clare/s 2010/2/23 12:14 Clare/s 2010/2/23 22:45 Clare/s 2010/2/24 22:46 Clare/s 2010/2/24 21:024 Clare/s 2010/2/24 21:024 Clare/s 2010/2/24 22:43 Clare/s	Server: Sending Pasial C enver. Sending Pasial D rver. Sending Pasial D rver. Sending Pasial D erver. Sending Pasial D rver. Sending Pasial Dh rver. Sending Pasial Dh cever. Sending Pasial Dh Dent. Refersin Device II rever. Sending full Checi	Jacobin (Heart beal(V03) sockin (Heart beal(V03))		
2010/2/22 16:52:30 Clere/- 2010/2/23 18:5715 Clere/- 2010/2/23 18:5715 Clere/- 2010/2/23 18:5715 Clere/- 2010/2/23 21:11 Clere/-5 2010/2/23 22:53 Clere/-5 2010/2/24 22:53 Clere/-5 2010/2/24 18:37 Clere/-5 2010/2/24 254:37 Clere/-5	Server, Sending Patial D erver, Sending Patial D verver, Sending Patial D erver, Sending Patial D erver, Sending Patial D rver, Sending Patial D rver, Sending Patial D erver, Sending Patial D Liter, Refreish Device Ir erver, Sending full Checi	Jacok in Heart boal(V03) exis in Heart boal(V03) formation request(V51) trie(V01)		
2010/2/22 16:52:30 Clere/- 2010/2/23 18:57:15 Clere/- 2010/2/23 18:57:15 Clere/- 2010/2/23 19:59:6 Clere/- 2010/2/23 11:15 Clere/- 2010/2/23 22:44 Clere/- 2010/2/23 22:44 Clere/- 2010/2/23 22:44 Clere/- 2010/2/24 25:46 Clere/- 2010/2/24 25:43 Clere/- 2010/2/24 25:43 Clere/- 2010/2/24 25:43 Clere/- 2010/2/24 25:43 Clere/- 2010/2/24 25:43 Clere/-	Server: Sending Patial D erver: Sending Patial D erver: Sending Patial D erver: Sending Patial D rver: Sending Patial D rver: Sending Patial D erver: Sending Patial D Einer: Refrieth Device Ir erver: Sending Patial Ch erver: Sending full Check	Jacok in Head boal[V03] sock in Head boal[V03] sock in Head boal[V03] wock in Head boal[V03] wock in Head boal[V03] sock in Head boal[V03] sock in Head boal[V03] domation request[V51] tendion request[V51]		

Figure 2-23 Viewing Log Files

<u>P</u> Tip

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To delete the log files you no longer need, choose a log file name and click Delete Log.

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Using the Package Distribution Wizard to Schedule a Package for Distribution

Step 1	Switch to	the view	containing	the	devices	you	want.
--------	-----------	----------	------------	-----	---------	-----	-------

Step 2 In the Device Manager details pane, choose the devices to which you want to schedule a package distribution (you can use Ctrl-click or Shift-click to choose multiple devices), right-click the selected devices, and then choose **Package Distribution Wizard** to open the Package Distribution Wizard.



Package Distribution Wiz	ard .		×
010	This Wizard will guide yo package to one or more category containing the p	u through the process of distributing a devices. To begin, please select the aackage you wish to distribute.	
011	Name	Description	_
LLU.	Agent Update	Agent Update	
DITIC		Images	
1010	Dther Packages	Other Packages	
TOT	ThreadX Configurati	ThreadX Configuration	
1 and 1			
	•		
9			
_ <u>ŏ</u>	<	Back Next > Cancel	

Step 3 Choose the package category folder that contains the registered package you want to distribute and click Next.



Only images that support the operating system and flash size of the previously selected device groups view are displayed.

Figure 2-25 Package Selection



Step 4 Choose the package you want and click **Next**.

Figure 2-26	Package S	chedule	
Package Distribution V	Vizard		X
010	Please select the p	ackage you wish to distribute:	
OTO	Name	Description	
	Reboot	Device Reboot	
-011	ShutDown	Device Shutdown	
ОТТ	🗿 WakeOnLAN	Device WOL	
101	(
1 ± 0	•		•
		Recurring Update	
?	[< <u>B</u> ack <u>N</u> ext >	Cancel 1887

Step 5 Choose the scheduling options for the distribution, and then click Next.

Figure 2-27 Create Schedule

Package Distribution Wizard	×
Please select when you wish to update the device(s).	
Distribution Will Occur C Now	
C The Next Time Device Boots (requires device PXE)	
At a <u>Specific Date and Time</u>	
Date: 3 / 9 /2012 Time: 9 :57:07 PM	
Retry Failed Updates	
Canad	
S Cancel Cancel	

- **Step 6** Choose the imaging option you want and click **Next**.
- Step 7 After the package schedule is completed (update creation process is complete in the database), click Finish.

Using the Remote Task Manager to View Applications, Processes, and Performance for a Device

Step 1 Switch to the view containing the device you want.

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- **Step 2** In the Device Manager details pane, choose the single device for which you want to view the applications, processes, and performance.
- **Step 3** Right-click the selected device, and then choose **Remote Task Manager** to open the Remote Task Manager.

Figure 2-28 Applications Tab

Remote Task Manager	(XPE0080647306A5)	×
Applications Processes Perfo	rmance	
		ৢ
MAC Address: 0080647306A5	IP Address: 192.168.1	1.151

Step 4 On the Applications tab you can view the applications of the selected device (the window title bar displays the name of the device; the Mac address and IP address are displayed in the window status bar). You can also use the up arrow and down arrow to quickly display the information for the next or the previous device in the Device Manager details pane you previously selected. To refresh information, click Options > Refresh.

ſ

Remote Task Manager	(XPE0080647306A5)	×
le <u>O</u> ptions <u>H</u> elp		
pplications Processes Perfi	ormance	
	•	
smss.exe	A	
csrss.exe		
winlogon.exe		
services.exe		
lsass.exe		V
svchost.exe		
svchost.exe		
Ati2evxx.exe		
svchost.exe		
svchost.exe		
svchost.exe		
spoolsv.exe		
msdtc.exe		
FBWFsvc.exe		
Hagent.exe		
IAManager.exe		
NetXClean.exe		
svchost.exe		
SCardSvr.exe		0
snmp.exe	-	
'		
AC Address: 0080647306A5	IP Address: 192.168.1.15	1

Figure 2-29 Processes Tab

Step 5 On the Processes tab you can view running processes of the selected device (the window title bar displays the name of the device; the Mac Address and IP Address are displayed in the window status bar). You can also use the up-arrow and down-arrow to quickly display the information for the next or the previous device in the Device Manager details pane you previously selected.

Remote Task Manager (XPEO)	080647306A5)	×
Applications Processes Performance		
Applications 1 locesses		
Memory (K)		
Total Physical Memory	915504	~
Available Physical Memory	472512	
Total Page Files	844556	V
Available Page Files	484948	
Total Virtural Memory	2097024	
Available Virtual Memory	2056828	
Available Extended Virtual	0	
- CPU Usage		
High	5	
Low	2	
Average	3	
		?
MAC Address: 0080647306A5	IP Address: 192.168.1.15	51

Figure 2-30 Performance Tab

Step 6 On the Performance tab you can view the Memory, Total Page Files, Total Virtual Memory, and CPU Usage fields for the selected device (the window title bar displays the name of the device; the MAC address and IP address are displayed in the window status bar). You can also use the up-arrow and down-arrow to quickly display the information for the next or the previous device in the Device Manager details pane you previously selected.