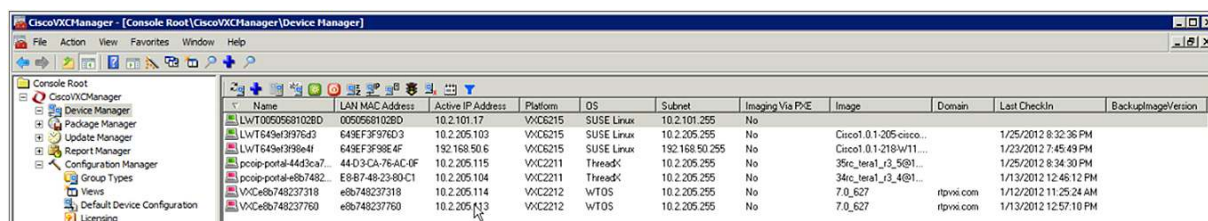


Cisco Virtualization Experience Client Manager

Product Overview

Cisco® Virtualization Experience Client Manager (Cisco VXC Manager) addresses important management requirements for deploying powerful zero clients and thin clients (Figure 1). With its centralized management and administration, Cisco VXC Manager can help IT departments deliver effective remote VXC endpoints support while minimizing end user downtime. Security is assured with Secure HTTP (HTTPS)-based imaging, updates, and downloads.

Figure 1. Cisco Virtualization Experience Client Manager



Name	LAN MAC Address	Active IP Address	Platform	OS	Subnet	Imaging Via PXE	Image	Domain	Last Checkin	BackupImage/version
LWT0050568102BD	0050568102BD	10.2.101.17	VXC6215	SUSE Linux	10.2.101.255	No	Cisco1.0.1-205-cisco...		1/25/2012 8:32:36 PM	
LWT649e13976d3	649EF3F976D3	10.2.205.103	VXC6215	SUSE Linux	10.2.205.255	No	Cisco1.0.1-218-W11...		1/23/2012 7:45:49 PM	
LWT649e1398e4f	649EF3F98E4F	192.168.50.6	VXC6215	SUSE Linux	192.168.50.255	No	35rc_10eal_13_5@1...		1/25/2012 8:34:30 PM	
pcorp-portal-44d3ca7...	44D3CA78AC4F	10.2.205.115	VXC2211	ThreadX	10.2.205.255	No	34rc_10eal_13_4@1...		1/13/2012 12:46:12 PM	
pcorp-portal-e6b7482...	E6B7482337318	10.2.205.104	VXC2211	ThreadX	10.2.205.255	No	7_0_627	rtprn.com	1/12/2012 11:25:24 AM	
VXCe6b748237318	e6b748237318	10.2.205.114	VXC2212	WTO5	10.2.205.255	No	7_0_627	rtprn.com	1/13/2012 12:57:10 PM	
VXCe6b74823760	e6b74823760	10.2.205.113	VXC2212	WTO5	10.2.205.255	No	7_0_627	rtprn.com	1/13/2012 12:57:10 PM	

Cisco VXC Manager delivers organization wide benefits (refer also to Table 1):

- **Operations**
 - Centralized management
 - Collection and organization asset information
- **Administration**
 - Health-status monitoring
 - Automated client settings
 - Ability to update client firmware and add applications
- **End user IT costs**
 - Easier, more effective remote support
 - Ability to create custom scripts and packages
- **Minimized downtime**
 - Ability to restart or reset VXC endpoints in less than a minute
 - Enforced policies and minimized user errors

Table 1. Features and Benefits

Features	Benefits
Security	<ul style="list-style-type: none">• HTTPS-based imaging and updates• Encrypted network traffic• Delegated Admin access (Microsoft Active Directory) support
No-hassle deployment	<ul style="list-style-type: none">• Complete device imaging, patching, and updates• Bandwidth throttling for efficiency and reliability• Software updates and add-ons
Device administration and monitoring	<ul style="list-style-type: none">• Device health status and reporting• Remote shadowing and control• Default device configuration
Scalability	<ul style="list-style-type: none">• Distributed architecture• Microsoft SQL Database support• Multiple remote repository support
Complete asset visibility	<ul style="list-style-type: none">• Automated device discovery• Detailed hardware-asset information• Installed software asset information

Secure OS Imaging and Management Tool

Cisco VXC Manager provides secure OS imaging and management through a host of features designed to take the work out of managing thousands of thin clients remotely, securely, and effectively.

To provide a highly secure and scalable network architecture, Cisco VXC Manager provides full HTTPS-encrypted¹ traffic and the ability to use multiple remote software repositories to optimize network bandwidth.

¹ HTTPS based imaging for PCoIP VXC 2111 and VXC 2211 is not supported, uses FTP.

By removing the need to visit all your network zero clients and thin clients, Cisco VXC Manager delivers vastly reduced IT support costs and a far more granular approach to the deployment and management of your user software. This management ranges from vital hour-by-hour monitoring to the efficient issuing of software images, patches, updates, and other add-ons as required to ensure every zero client and thin client remains available and productive. Cisco VXC Manager lowers your total cost of ownership and further maximizes your investment in Cisco Cloud Client Computing.

New features in Cisco VXC Manager 4.9 include the following:

- Recurring Scheduler
 - Set recurring schedules for common tasks like shutdown and wake on LAN (WOL)
 - Reduce energy consumption by shutting down endpoints during non-operational hours
- Enhanced Active Directory Integration
 - Assign administrators and AD groups to manage a subnet of clients

- Smart scheduling:
 - Deploy OS/firmware updates, configurations and software based on the timezone of endpoint devices or based on timezone of the administrator's GUI console
- Flexible: WAN-capable imaging and enhanced asset management
 - Supports fully qualified domain names (FQDNs)
 - Adds new asset management information collection and display
- Central tracking, management, and support
 - Supports asset tracking: Cisco VXC Manager provides detailed hardware and software assets information of your VXC devices, helping you gauge the health and performance of each device, avoid potential problems, and plan for change or growth
- Policy management
 - Supports device configuration: Cisco VXC Manager Default Device Configuration (DDC) enables administrators to issue, manage, and update policies automatically across an organization. Devices can be arranged into logical groups, each with its own configuration settings locally or globally
- Enhanced user support and lower costs
 - Gives end users the “over the shoulder” support that in the past could be provided only by physical visits to the desktop: With Cisco VXC Manager you can deliver IT support more efficiently and cost-effectively

To summarize, the track and manage features include the following:

- Recurring scheduler
- Active Directory integration
- Detailed hardware-asset information
- Installed software-asset information
- Regular device health-status updates
- Default Device Configuration
- Delegated administration for Policy Management (Active Directory integrated)
- Drastically reduced support costs
- Remote shadowing

Licensing

Cisco VXC Manager is a server-based application and is licensed per VXC endpoint. Cisco VXC Manager licenses are added when placing Cisco VXC 2111, VXC 2112, VXC 2211, VXC 2212 or VXC 6215 endpoint orders.

Product Specifications

Table 2 lists the product specifications for Cisco VXC Manager.

Table 2. Product Specifications

Maximum number of managed clients	100,000
Maximum simultaneous imaging	500
Asset groupings	90 groups
OS compression (for imaging)	Yes
Protocols	HTTP, HTTPS, FTP, and VNC ²
Language support	English
Secure device (HTTPS) management and imaging	Yes
Administration delegation and segregation (Active Directory integrated)	Yes
Remote software repositories	Yes
Distributed architecture for scalability and security	Yes
Time-zone management and smart scheduling	Yes
Automated (profile-based) DDC	Yes

² VNC is not supported with PCoIP VXC 2111 and VXC 2211 for remote shadowing.

System Requirements

Table 3 lists the system requirements for Cisco VXC Manager.

Table 3. System Requirements

Disk space	1 GB minimum; 1.5 GB recommended
Processor	1-GHz Intel or AMD X86 minimum, 2.4 GHz Dual Core Intel or AMD X86 recommended
Memory	512 MB minimum; 2 GB recommended ³
Server software OS	Microsoft Windows 2003 Standard or Enterprise Server with R2 SP2 Microsoft Windows 2008 Standard or Enterprise Server SP1 32-bit Microsoft Windows 2008 Enterprise Server R2 64-bit Microsoft Windows 7 Enterprise Server 32-bit
Database	Microsoft SQL Server 2005 Microsoft SQL Server 2008 Microsoft SQL Express 2005 Microsoft SQL Express 2008 ⁴

³ May require greater than 2 GB memory for deployments greater than 10,000 endpoints.

⁴ Microsoft SQL Express 2008 is the default database that ships with VXC Manager 4.9.

Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#) and refer to Table 4. To download software, visit the [Cisco Software Center](#).

Table 4. Ordering Information

Product Name	Part Number
Cisco Virtualization Experience Client Manager	CVXCM-K9

Cisco Services

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