Cisco Virtualization Experience Client 2111/2211 Release Notes for ThreadX Release 3.4.1

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Use these release notes with the Cisco Virtualization Experience Client 2111/2211 running ThreadX Firmware Release 3.4.1.

Contents

These release notes provide the following information:

Introduction

The Cisco Virtualization Experience Client (VXC) 2111 and 2211 are workstation-class virtualization clients for use with PC-over-IP (PCoIP). The PCoIP protocol is designed to deliver a user desktop from a centralized host server across standard IP networks, enabling you to use applications and desktop peripherals as if you were using them locally.

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This release supports the following Cisco Virtualization Experience Client (VXC) clients using ThreadX firmware:

- Cisco VXC 2111, integrated
- Cisco VXC 2211, standalone

The Cisco VXC 2111 attaches to the Cisco Unified IP Phone 8961, 9951, or 9971 through a spine connector cable. The Cisco Unified IP Phone 8961, 9951, or 9971 must run Firmware Release 9.1(2) or later.

The Cisco VXC 2211 operates independently and is powered by either an AC adapter (CP-PWR-CUBE-4) or by Power over Ethernet (PoE) capable Cisco Switches.

Related Documentation

For more information, see the documents available at the following URLs:

Cisco Virtualization Experience Client 2000 Series

http://www.cisco.com/en/US/products/ps11499/tsd_products_support_series_home.html

Cisco Virtualization Experience Client Manager

http://www.cisco.com/en/US/products/ps11582/tsd_products_support_series_home.html

Installation Notes

For installation instructions, see the *Quick Start Guide: Cisco Virtualization Experience Client (VXC) 2111/2211*.

Installing Firmware Release 3.4.1 for Cisco VXC 2111/2211 Clients

To download and install the Cisco VXC firmware, follow these steps:

Procedure

Step 1 Go to the following URL:

http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=278875240

Step 2 Log in to the Tools & Resources > Download Software page.

Step 3 Choose **Products > Voice and Unified Communications > Virtualization Experience Client**.

Step 4 Choose **Cisco Virtualization Experience Client 2000 Series**.

Step 5 Choose your client type.

Step 6 In the Latest Releases folder, choose **3.4.1**.

Step 7 Select one of the following firmware files, click the **Download Now** or **Add to cart** button, and follow the prompts:

- **VXC2x11_rel3-4-1_rc_tera1_r3_4-11491.zip** (Release 3.4.1 ThreadX Firmware for Cisco VXC 2111/2211)
- **VXC2x11-3.4.1-VXCM-Package.zip** (Package containing Release 3.4.1 ThreadX Firmware for Cisco VXC 2111/2211 and supporting files for upgrades using Cisco VXC Manager)

Note If you added the firmware file to the cart, click the **Download Cart** link when you are ready to download the file.

Step 8 To update the firmware using Cisco VXC Manager, see the *Administration Guide for Cisco VXC Manager 4.8.5*.

Step 9 To update the firmware using the Cisco VXC administrative web interface, see the "Uploading to the device" section of the *Cisco Virtualization Experience Client 2111/2211 PCoIP Administration Guide for ThreadX*.

Important Notes

This section provides general information about using and supporting the Cisco Virtualization Experience Client 2111/2211 (PCoIP) in your system:

Compatibility

Release 3.4.1 is compatible with both VMware View 4.5 and View 4.6 deployments using Cisco VXC client devices to connect to View virtual desktops. However, Cisco recommends that you use View 4.6 with Release 3.4.1 for better performance.

Note You can view the firmware version on the **Info > Version** web page for the device.

LLDP Required for Cisco VXC 2211 Power Negotiation

To allow PoE-powered Cisco VXC 2211 clients to negotiate power requirements with the connected switch, you must enable LLDP on the connected switch. Otherwise, the client may not be able to draw sufficient power to operate properly.

New Features

The new features in Firmware Release 3.4.1 are as follows:

- Added support for presession user authentication using .NET smart cards

- Added support for resetting a virtual machine (VM) before logging in to the VM
- On the View Login dialog box, moved the cursor position to the Password field when the username is prepopulated

Known Issues

Table 1 lists the known issues associated with the Cisco VXC 2111/ 2211.

Table 1 Known Issues

Issue	Workaround
On the Cisco VXC 2111, If you switch the connected power source from inline power to a Cisco Power Cube 4, the Cisco VXC is unable to power a USB key.	After you connect the power supply, disconnect and then reconnect the Ethernet cable connection to the Cisco VXC client.
The Windows 7 remote desktop shuts down when a USB camera is attached to a Cisco Unified IP Phone 9971 that is connected to a Cisco VXC 2111 (not applicable for Cisco VXC 2211).	Connect an external power source (CP-PWR-CUBE-4) to the Cisco Unified IP Phone 9971.
If you move your monitor connection from one DVI port to the other, the screen resolution can change.	Use the default port for a single monitor (outer port for Cisco VXC 2111 integrated, or bottom port for Cisco VXC 2211 standalone).
Changing the resolution on the local Cisco VXC client does not change the resolution on the monitor.	Connect to the remote desktop and verify the resolution.
On the Cisco VXC 2111, the power board firmware version displays incorrectly in the Teradici Event Log.	None

Fixes

The fixed issues in Firmware Release 3.4.1 are as follows:

- Fixed a problem that prevented clients from establishing VMware View-brokered connections in systems that included the ampersand (&) or trademark (TM) characters in the domain name.
- Fixed a problem that caused two parameters in the DHCP request to be in the wrong order. In some deployments, this issue resulted in devices using gateway address 0.0.0.0.
- Fixed a problem that caused some keys to be incorrectly mapped on the Czech keyboard.
- Fixed a memory leak problem introduced in Firmware Release 3.4.0 that caused the device network interface to become nonresponsive. When this happened, the device did not support sessions and could not be managed using the network interface.
- Fixed a digital visual interface (DVI) vertical synchronization (VSYNC) timing problem that caused interoperability issues with some displays and HDTVs.
- Enabled DNS SRV discovery on devices that have DHCP disabled.
- Fixed a problem where the OSD displayed incorrect certificate data when a smart card contained more than one certificate.
- Fixed a problem that caused the Seac Banche SB 1600 scanner not to work.

- Fixed a problem that prevented in-session authentication from working when using Secret Internet Protocol Router (SIPR) smart cards.

Note Presession authentication is not yet supported for SIPR cards.

Caveats

This section contains these topics:

Using Bug Toolkit

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of:

- All severity level 1 or 2 bugs
- Significant severity level 3 bugs

You can search for problems by using the Cisco Software Bug Toolkit.

To access Bug Toolkit, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

To use the Software Bug Toolkit, follow these steps:

Procedure

Step 1 To access the Bug Toolkit, go to http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs.

Step 2 Log in with your Cisco.com user ID and password.

To look for information about a specific problem, enter the bug ID number in the “Search for bug ID” field, then click **Go**.

Open Caveats

Table 2 lists severity 1, 2, and 3 defects that are open for the Cisco Virtualization Experience Client 2111/2211 using Firmware Release 3.4.1.

For more information about an individual defect, you can access the online record for the defect by clicking the Identifier or going to the URL shown. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, be aware that Table 2 reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in the "Using Bug Toolkit" section on page 5.

Table 2 Open Caveats for the Cisco Virtualization Experience Client 2111/2211

Identifier	Headline
CSCtn87582	Black screen during connection delay on PCoIP units connecting to VMs.
CSCto40107	Cisco VXC 2211 standalone waits until DHCP negotiation completes to request 30W power
CSCto65307	Display does not turn off based on Windows display power setting
CSCtq35075	VXC-M upgrade of PCoIP clients (2x11) clears OSD config
CSCts54346	VXC 21xx device does not re-do DHCP request upon ethernet link down & up
CSCts89574	Unable to Manually Edit Connection Manager on PCoIP Devices
CSCtt44403	Unable to update firmware & connection server using Drag & Drop Method

Resolved Caveats

Table 3 lists severity 1, 2, and 3 defects that are resolved for the Cisco Virtualization Experience Client 2111/2211 using firmware release 3.4.1.

For more information about an individual defect, you can access the online record for the defect by clicking the Identifier or going to the URL shown. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, be aware that Table 3 reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in the "Using Bug Toolkit" section on page 5.

Table 3 Resolved Caveats for the Cisco Virtualization Experience Client 2111/2211

Identifier	Headline
CSCtr38360	VXC 2111 does not power second display

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.
