



Release Notes for Cisco Virtualization Experience Media Edition for Windows Release 11.7

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Release and General Information

These release notes describe new features, requirements, restrictions, and caveats for Cisco Virtualization Experience Media Edition for Windows Release 11.7. These release notes are updated for every maintenance release but not for patches or hot fixes.

Before you install Cisco Virtualization Experience Media Edition, we recommend that you review this document for information about issues that may affect your system.

Introduction to Virtualization Experience Media Edition

In this release notes document, the term *thin client* refers to any supported devices (including reused PCs) used to access hosted virtual desktops (HVD).

Cisco Virtualization Experience Media Edition (VXME) extends the Cisco collaboration experience to virtual deployments. With supported versions of Cisco Jabber for Windows, users can send and receive phone calls on their hosted virtual desktops (HVD). The VXME software routes all audio and video streams directly from one thin client to another, or to a phone, without going through the HVD.

For more information about Cisco Jabber, see the *Release Notes for Cisco Jabber for Windows* for your release:

http://www.cisco.com/en/US/products/ps12511/prod_release_notes_list.html

Build Numbers

Release 11.7(1)

The build number for Cisco VXME Client for this release is 11.7.1.11137.

The build number for Cisco VXME Agent for this release is 11.7.1.715–243387.

Release 11.7

The build number for Cisco VXME Client for this release is 11.7.0.11115.

The build number for Cisco VXME Agent for this release is 11.7.0.711–239892.

Languages

Cisco VXME Client and Cisco VXME Agent installation programs, and Device Selector are localized in the following languages:

• Arabic	• Italian
• Bulgarian	• Japanese
• Catalan	• Korean
• Chinese Simplified	• Norwegian
• Chinese Traditional	• Polish
• Croatian	• Portuguese Brazil
• Czech	• Portuguese Portugal
• Danish	• Romanian
• Dutch	• Russian
• English(US)	• Serbian
• Finnish	• Slovak
• French	• Slovenian
• German	• Spanish
• Greek	• Swedish
• Hebrew	• Thai
• Hungarian	• Turkish

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New in This Release for VXME 11.7

This section describes what is new for Cisco Virtualization Experience Media Edition for Windows (VXME for Windows) Release 11.7.

Cisco Jabber Support

This release introduces support for Cisco Jabber for Windows Release 11.7.

Cisco VXME for Windows supports all Cisco Jabber for Windows features, except the following:

- Binary Floor Control Protocol (BFCP) Desktop Share
- Call Pickup

- Call Stats
- Cisco Unified Survivable Remote Site Telephony (SRST)
- Collaboration Edge (Cisco Expressway)
- Device Selection menu on the Call Conversation window
- Far End Camera Control (FECC)
- Federal Information Processing Standard, Publication 140-2 (FIPS 140-2) and Information Assurance (IA) Compliance
- Hunt Group
- Jabber desk phone video (display of video on the desktop when the thin client is connected to the user's desk phone)
- Jabber to Jabber Call
- Kerberos and Common Access Card (CAC) with Single Sign On (SSO)
- PreferP2PDesktopShare (configuration parameter to prioritize person to person screen sharing over video sharing in the Jabber configuration file)

New in This Release for VXME 11.7(1)

This section describes what is new for Cisco Virtualization Experience Media Edition for Windows (VXME for Windows) Release 11.7(1).

Citrix XenApp Published Application Support

Cisco VXME for Windows Release 11.7(1) introduce support for Citrix XenApp published applications. With Cisco Jabber 11.7.1, instant messaging, presence, and Jabber telephony are available, with the following exceptions:

- Sending screen captures
- Sending and receiving files
- Sharing RDP screens
- Starting a conversation from Outlook, if Outlook is not on the same publishing server as the client and browser
- Saving a PRT file

Documentation Updates

The following table provides information about changes to this document.

Date	Changes
November 2, 2016	System Requirements, on page 4 —Updated Citrix XenDesktop and Citrix XenApp supported versions for Release 11.7(1).

Date	Changes
September 28, 2016	New in This Release for VXME 11.7(1), on page 3 —Added to list what is new for the 11.7(1) maintenance release.
September 28, 2016	Build Numbers, on page 1 —Added build numbers for the 11.7(1) maintenance release.
September 28, 2016	Resolved Caveats in Release 11.7, on page 11 —Updated to include resolved caveats for the 11.7(1) maintenance release.
September 17, 2017	Updated System Requirements, on page 4 .

System Requirements



Important

Each of the components listed in the following table must meet the requirements. Use of unsupported components can result in a nonfunctional deployment.

Only the components, versions, and minimum hardware requirements listed in the table are supported.

Component	Requirements
Microsoft Windows-based thin client hardware	<ul style="list-style-type: none"> • Installed RAM 2 GB • Free Physical Memory 128 MB • Free Disk Space 256 MB • CPU Mobile AMD Sempron Processor 3600+, 2-GHz Intel Core 2 CPU, or T7400 2.16 GHz • DirectX 11 compatible GPU • USB 2.0 for USB camera and audio devices <p>Note Cisco Virtualization Experience Media Edition (VXME) for Windows does not require the Microsoft .NET Framework or any Java modules.</p>

Component	Requirements
Microsoft Windows-based thin client OS	<ul style="list-style-type: none"> • Microsoft Windows 7 32 bit • Microsoft Windows 7 64 bit • Microsoft Windows 8 32 bit • Microsoft Windows 8 64 bit • Microsoft Windows 8.1 32 bit • Microsoft Windows 8.1 64 bit • Microsoft Windows 10 32 bit • Microsoft Windows 10 64 bit • Windows Thin PC 32 bit
Windows Embedded Standard-based thin client hardware	<ul style="list-style-type: none"> • Installed RAM 2 GB • Free Physical Memory 128 MB • Free Disk Space 256 MB • CPU performance affects the maximum video resolution. With Windows Embedded Standard thin clients, the expected resolution depends on the CPU: <ul style="list-style-type: none"> ◦ Up to 720p with quad-core AMD GX-420CA SOC 2 GHz or similar ◦ Up to 240p with dual-core AMD G-T56N 1.65 GHz or similar ◦ Audio-only support with dual-core VIA Eden X2 U4200 1 GHz or similar CPU <p>Note These hardware specifications are only guidelines for the expected resolutions. Other factors can affect video resolution.</p> <ul style="list-style-type: none"> • DirectX 11 compatible GPU • USB 2.0 for USB camera and audio devices <p>Note Cisco Virtualization Experience Media Edition (VXME) for Windows does not require the Microsoft .NET Framework or any Java modules.</p>
Windows Embedded Standard-based thin client OS	<ul style="list-style-type: none"> • Windows Embedded Standard 7 32 bit • Windows Embedded Standard 7 64 bit • Windows Embedded Standard 8 64 bit

Component	Requirements
Hosted virtual desktop OS (server-side)	<ul style="list-style-type: none"> • Microsoft Windows 7 32 bit • Microsoft Windows 7 64 bit • Microsoft Windows 8 32 bit • Microsoft Windows 8 64 bit • Microsoft Windows 8.1 32 bit • Microsoft Windows 8.1 64 bit • Microsoft Windows 10 32 bit • Microsoft Windows 10 64 bit
Connection broker for the hosted virtual desktop ¹	<ul style="list-style-type: none"> • Citrix XenDesktop 7.5, 7.6, or 7.7 VXME Release 11.7(1) adds support for XenDesktop versions 7.8 and 7.9. • Citrix XenApp 7.5, 7.6 or 7.7—Published desktops only VXME Release 11.7(1) adds support for XenApp versions 7.8 and 7.9. • VMware Horizon 6.0 (with View)—Published desktops only • VMware Horizon 6 version 6.1.0—Published desktops only • VMware Horizon 6 version 6.2.0—Published desktops only <p>Cisco VXME for Windows Release 11.7(1) adds support for Citrix Published Application.</p>
Citrix Receiver or VMware Horizon Client ² (Installed on the thin client)	<ul style="list-style-type: none"> • Citrix Receiver (ICA) for Windows 4.4.1000 and later 4.x versions • VMware Horizon Client for Windows 4.1.0 and 4.2.0 <p>Important Before you install Cisco VXME Client, install the Citrix Receiver or VMware Horizon Client on the thin client.</p> <p>If you upgrade your Citrix or VMware product, or change from a Citrix environment to a VMware environment, reinstall the Cisco VXME Client.</p>

Component	Requirements
Cisco Unified Communications client on the hosted virtual desktop: <ul style="list-style-type: none"> • Cisco Jabber for Windows 	Cisco Jabber for Windows 11.7 running on the hosted virtual desktop (HVD). Cisco VXME is compatible with all future 11.7(X) Cisco Jabber for Windows versions. For complete information about virtual environment compatibility, see the <i>Virtual Environments</i> section in the <i>Installation and Configuration Guide for Cisco Jabber for Windows</i> for your release.
Windows Server (Required for Citrix XenApp only)	Citrix XenApp 7.5, 7.6, or 7.7 <ul style="list-style-type: none"> • Microsoft Windows Server 2012 R2 (Standard and Datacenter Editions) • Microsoft Windows Server 2012 (Standard and Datacenter Editions) • Windows Server 2008 R2 SP1 (Standard, Enterprise, and Datacenter Editions)
Cisco Unified Communications Manager	Cisco Unified Communications Manager version 9.x or later
Accessories	For a complete listing of supported audio and video accessories, see <i>Unified Communications Endpoint and Client Accessories</i> , at http://www.cisco.com/c/en/us/products/unified-communications/uc_endpoints_accessories.html . Important Ensure that all Jabra devices are running the latest firmware. You can use the Jabra Direct to update the firmware. For more information visit: http://www.jabra.com .

¹ A connection broker is software that creates connections to hosted virtual desktops. A connection broker performs a number of tasks that include

- Validating the username and providing a connection for the user.
- Allowing the user to connect to a specific virtual desktop.

² The Citrix Receiver or VMware Horizon Client provides a user interface for the corresponding connection broker.

Installation and Upgrade Notes

Supported upgrade paths include:

- Cisco Virtualization Experience Media Engine Release 9.7 to Cisco Virtualization Experience Media Edition Release 11.7

- Cisco Virtualization Experience Media Engine Release 10.5 to Cisco Virtualization Experience Media Edition Release 11.7
- Cisco Virtualization Experience Media Engine Release 10.6 to Cisco Virtualization Experience Media Edition Release 11.7
- Cisco Virtualization Experience Media Engine Release 11.0 to Cisco Virtualization Experience Media Edition Release 11.7
- Cisco Virtualization Experience Media Engine Release 11.5 to Cisco Virtualization Experience Media Edition Release 11.7

For detailed information about how to perform a new installation or an upgrade, see *Deployment and Installation Guide for Cisco Virtualization Experience Media Edition for Windows Release 11.7*.

Finding Documentation

Provide the following URL for the user documentation to your users:

http://www.cisco.com/en/US/products/ps12862/products_user_guide_list.html

You can place a shortcut on the thin client desktop. You can also add the link to the Citrix landing page or to the VMware Horizon View prelogin banner.

For a complete list of documentation for your release, see the *Deployment Guide for Cisco Virtualization Experience Media Edition for Windows*, located here: http://www.cisco.com/en/US/products/ps12862/prod_installation_guides_list.html.

Important Notes

Multiple Registrations

A Client Services Framework (CSF) device user can register with the Cisco Unified Communications Manager from only one client at a time. Multiple registrations from multiple clients with the same CSF device are not supported.



Note

Cisco recommends that you create only one CSF device for each user. If multiple devices exist for a virtual user, virtual Jabber automatically selects the first device in the list.

Cisco also recommends that you create only one hosted virtual desktop (HVD) for each user. A user signing in to multiple HVDs and instances of Unified Communications clients results in multiple registrations.

Cisco Audio Session Tunnel

Cisco Audio Session Tunnel (CAST) connection to the HVD is not supported.

Citrix Netscaler and Cisco Expressway

Cisco Virtualization Experience Media Edition does not support the use of Mobile Remote Access and Cisco Expressway. For remote access, you require Cisco AnyConnect.

Echo Cancellation

Echo cancellation is enabled only for audio calls.

USB Camera Redirection Not Supported with VMware View

USB camera redirection is not supported with VMware View.

HDX RealTime Webcam with Citrix

Cisco Virtualization Experience Media Edition does not support HDX Plug-n-Play for cameras. Citrix recommends using HDX Webcam for camera interactions.

Silent Monitoring and Call Recording

Cisco Virtualization Experience Media Edition supports silent monitoring and call recording. To enable these audio path functions for a device, you configure Cisco Unified Communications Manager. For step-by-step instructions, see the "Monitoring and Recording" section of the *Cisco Unified Communications Manager Features and Services Guide* for your release.

- Cisco Jabber does not provide any interface to start silent monitoring or call recording. Use the appropriate software to silently monitor or record calls.
- Cisco Jabber does not currently support monitoring notification tone or recording notification tone.
- You can use silent monitoring and call recording functionality only. Cisco Jabber does not support other functionality such as barging or whisper coaching.
- You might need to download and apply a device package to enable monitoring and recording capabilities on the device, depending on your version of Cisco Unified Communications Manager.

Determine Device Package Requirements

Use Cisco Unified Communications Manager Administration to determine whether a device requires a device package to enable silent monitoring and recording.

Step 1 Navigate to and open the **Phone Configuration** window for the device, for which you want to enable monitoring and recording.

Step 2 Locate the **Built-in-Bridge** field.
If the **Built-in-Bridge** field is not available, download and install a device package for the device.

Accessories

Jabra Firmware

Ensure that all Jabra devices are running the latest firmware. You can use Jabra Direct to update the firmware. For more information visit: <http://www.jabra.com>.

Adjust Settings for Jabra Bluetooth Devices

Most Jabra Bluetooth devices introduce a short delay in bringing up the audio path (about 1 to 3 seconds). For supported Jabra Bluetooth devices, you can eliminate the delay by changing the device settings in Jabra Direct. For more information, visit <http://www.jabra.com>.

Before You Begin

Jabra Direct must be installed.

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- Step 1** Open Jabra Direct.
 - Step 2** Click the Jabra device for which you want to modify the settings.
 - Step 3** Click **Settings**.
 - Step 4** Click to expand **Softphone (PC)**.
 - Step 5** From the **Preferred softphone** list, select **Cisco Jabber**.
 - Step 6** Set **Open phone line** to On.
 - Step 7** Set **PC audio** to Off.
 - Step 8** Click **Apply**.
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Camera Hot Swap

Cisco Virtualization Experience Media Edition establishes video quality at the start of a call. If you start a call with one of the supported HD cameras, and then switch to a standard-definition camera, video quality is affected. We recommend that you switch cameras between calls.

Caveats

Search for Bugs

Bug Classification

Known defects, or bugs, have a severity level that indicates the priority of the defect. Development managers usually define bug severity. Severity helps the product team focus on bug fixes for future releases and prioritize fixes.

The following table describes bug severity levels:

Severity level		Description
1	Catastrophic	Reasonably common circumstances cause the entire system to fail, or a major subsystem to stop working, or other devices on the network to be disrupted. No workarounds exist.
2	Severe	Important functions are unusable and workarounds do not exist. Other functions and the rest of the network is operating normally.
3	Moderate	Failures occur in unusual circumstances, or minor features do not work at all, or other failures occur but low-impact workarounds exist. This is the highest level for documentation bugs.
4	Minor	Failures occur under very unusual circumstances, but operation essentially recovers without intervention. Users do not need to install any workarounds and performance impact is tolerable.
5	Cosmetic	Defects do not cause any detrimental effect on system functionality.
6	Enhancement	Requests for new functionality or feature improvements.

Search for Bugs

Use the **Bug Search** page to obtain more information about a bug.

- 1 Go to <https://tools.cisco.com/bugsearch>.
- 2 Sign in with your Cisco.com user ID and password.
- 3 Enter a bug ID or specify search parameters.

For more information, select **Help** at the top right of the **Bug Search** page.

Open Caveats in Release 11.7

The following table lists open caveats (bugs) for this release.

Identifier	Component	Severity	Description
CSCux13238	vxme-core	3	Intermittently no remote video on Jabber while on call

Closed Caveats in Release 11.5

There are no closed caveats (bugs) for this release.

Resolved Caveats in Release 11.7

The following table lists caveats (bugs) that are fixed in this release.

Identifier	Component	Severity	Description
CSCuy97639	jabber	2	High CPU on Terminal server with VXME version 11.5

Identifier	Component	Severity	Description
CSCuz55736	jabber	4	Softphone not register when launching Jabber for Windows11.5 in VXME11.5

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