



Release Notes for Cisco Virtualization Experience Media Engine for SUSE Linux Release 10.6

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Release Notes for Cisco Virtualization Experience Media Engine for SUSE Linux Release 10.6

Release and General Information

These release notes describe new features, requirements, restrictions, and caveats for Cisco Virtualization Experience Media Engine for SUSE Linux Release 10.6. These release notes are updated for every maintenance release but not for patches or hot fixes.

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

Introduction to Virtualization Experience Media Engine

Cisco Virtualization Experience Media Engine (VXME) extends the Cisco collaboration experience to virtual deployments. With supported versions of Cisco Jabber for Windows or Cisco UC Integration™ for Microsoft Lync, 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 endpoint to another, 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

For more information about Cisco UC Integration™ for Microsoft Lync, see the *Release Notes for Cisco UC Integration for Microsoft Lync* for your release:

<http://www.cisco.com/c/en/us/support/unified-communications/jabber-windows/products-release-notes-list.html>

Build Numbers

The build number for Cisco VXME Client for this release is 10.6.0-221.

The build number for Cisco VXME pre-requisites is 10.6.0-23.

The build number for Cisco VXME Agent for this release is 10.6.0.405.205513 .

The build number for Cisco AnyConnect is 3.1.06073-69.

File Names

The following table lists the file types and names for this release.

File Type	File Name
Cisco Virtualization Experience Media Engine Client for SUSE Linux SP2 (downloadable .zip file)	Cisco_VXME_Client-10.6.0_SP2.zip
SP2 VXME .rpm file (extracted from zip file)	cisco_vxme_client-10.6.0-221.sletc11sp2.rpm
SP2 VXME Prerequisites .rpm file (extracted from zip file)	vxme-pre-reqs-10.6.0-23.sletc11sp2.rpm

File Type	File Name
Cisco Virtualization Experience Media Engine for SUSE Linux SP3 (downloadable .zip file)	Cisco_VXME_Client-10.6.0_SP3.zip
SP3 VXME .rpm file (extracted from zip file)	cisco_vxme_client-10.6.0-221.sletc11sp3.rpm
SP3 VXME Prerequisites .rpm file (extracted from zip file)	vxme-pre-reqs-10.6.0-23.sletc11sp3.rpm
Cisco Virtualization Experience Media Engine Agent for SUSE Linux Release 10.6 (downloadable zip file)	Cisco_VXME_Agent-10.6.0.zip
VXME Agent installer file (extracted from zip file)	CiscoVXMEAgentSetup.msi
Cisco AnyConnect for SUSE Linux SP2 (downloadable zip file)	Anyconnect_bundle-3.1.06073-69_SP2.zip
SP2 Cisco AnyConnect .rpm file (extracted from zip file)	anyconnect_bundle-3.1.06073-69.sletc11sp2sd.rpm
Cisco AnyConnect for SUSE Linux SP3 (downloadable zip file)	Anyconnect_bundle-3.1.06073-69_SP3.zip
SP3 Cisco AnyConnect .rpm file (extracted from zip file)	anyconnect_bundle-3.1.06073-69.sletc11sp3.rpm

Languages

<ul style="list-style-type: none"> • Arabic • Bulgarian • Catalan • Chinese Simplified • Chinese Traditional • Croatian • Czech • Danish • Dutch • English(US) • Finnish • French • German • Greek 	<ul style="list-style-type: none"> • Italian • Japanese • Korean • Norwegian • Polish • Portuguese Brazil • Portuguese Portugal • Romanian • Russian • Serbian • Slovak • Slovenian • Spanish • Swedish
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- Hebrew
- Hungarian

- Thai
- Turkish

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New in This Release

Cisco Virtualization Experience Media Engine for SUSE Linux (VXME for SUSE Linux) Release 10.6 adds support for the following programs and features:

- Cisco Jabber for Windows Release 10.6(1).
- Cisco UC Integration for Microsoft Lync Release 10.6.
- Cisco Unified Contact Center solution.
- Telemetry (Cisco Jabber Analytics). Over the virtual channel, Cisco Jabber may collect VXME related data and send non-personally identifiable usage and performance data to Cisco. VXME telemetry adheres to Cisco Jabber telemetry parameters. You can turn this feature off. For more information, see http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/10_5/CJAB_BK_D6497E98_00_deployment-installation-guide-ciscojabber/CJAB_BK_D6497E98_00_deployment-installation-guide-ciscojabber_chapter_01.html.



Important

Cisco VXME for Windows supports all Cisco Jabber for Windows and Cisco UC Integration for Microsoft Lync features, except the following:

- Binary Floor Control Protocol (BFCP) Desktop Share
- Call Pickup
- Call Stats
- Cisco Unified Survivable Remote Site Telephony (SRST)
- Collaboration Edge
- 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)
- Kerberos and Common Access Card (CAC) with Single Sign On (SSO)
- Plantronics Accessory Call Control (adjust call volume, answer/end phone calls, and mute audio)

The following changes are new for this release:

- The Device Selector layout aligns with Cisco Jabber device management. Users can now select devices from the **Speaker**, **Microphone** and **Ringer/Alerts** device categories.

- The layout of the Audio tab (**File > Options > Audio** in the VXME virtual environment is now the same as in a non-virtual environment.
- The G.722 wideband audio codec is the new default codec for calls to Cisco IP Phones and other endpoints. The G.722 wideband codec provides a superior call experience, but you can select another codec on the Cisco Unified Communications Manager.
- The file naming convention is new. For more information, see [File Names](#), on page 2.



Attention Cisco Media Services Interface (MSI) and Dual VLAN are not supported for this release.

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.

Component	Requirements
SUSE Linux thin clients—hardware	<p>SP2-supported hardware: Cisco VXC 6215 or Dell-Wyse Z50D or D50D</p> <p>SP3-supported hardware: Dell-Wyse D50Q, Z50Q, or Z50QQ</p> <p>Note For information about video resolution and performance, see Video Resolution, on page 6.</p>
SUSE Linux Platform SP2 Image	<p>11.2.080, 11.2.080c, or 11.2.092</p> <p>Note To be supported with VXME, images 11.2.080 and 11.2.080c require an add-on upgrade of the Citrix Receiver 13.1.2.</p>
SUSE Linux Platform SP3 Image	<p>11.3.080 or 11.3.092</p> <p>Note To be supported with VXME, image 11.3.080 requires an add-on upgrade of the Citrix Receiver 13.1.2.</p>
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
Connection broker for the hosted virtual desktop	<ul style="list-style-type: none"> • Citrix XenDesktop 7.1, 7.5, or 7.6 • Citrix Xenapp 6.5, 7.5, or 7.6 published desktops. • VMware View (PCoIP) 5.2, 5.3, or 6.0

Component	Requirements
<p>Cisco Unified Communications client on the hosted virtual desktop</p> <ul style="list-style-type: none"> • Cisco Jabber for Windows • Cisco UC Integration for Microsoft Lync 	<p>Cisco Jabber for Windows 10.6(1) or Cisco UC Integration for Microsoft Lync 10.6 running on the hosted virtual desktop (HVD).</p> <p>Cisco VXME is compatible with all future 10.6(x) Cisco Jabber for Windows, or Cisco UC Integration for Microsoft Lync versions. All client features that are supported for the current release of VXME are supported for future 10.6(x) Jabber and UC Integration for Microsoft Lync releases.</p> <p>For complete information about virtual environment compatibility, see the <i>Virtual Environments</i> section in <i>Installation and Configuration Guide for Cisco Jabber for Windows</i> or in <i>Installation and Configuration Guide for Cisco UC Integration for Microsoft Lync</i> for your release.</p>
<p>Cisco Unified Communications Manager User Data Service (UDS)</p>	<ul style="list-style-type: none"> • Cisco Unified Communications Manager version 9.1(2) or later with the following COP file: cmterm-cucm-uds-912-5.cop.sgn. • Cisco Unified Communications Manager version 10.0(1). No COP file is required.
<p>Cisco AnyConnect (Optional)</p>	<p>3.1.06073-69 (available for SP2 and SP3)</p>
<p>Accessories</p>	<ul style="list-style-type: none"> • Logitech Webcam C920-C • Logitech UC Keyboard K725-C • Logitech Mouse M525-C • Jabra Handset 450 for Cisco <p>For a complete list of compatible accessories, see the <i>Cisco Approved Audio and Video Accessories</i> data sheet at https://www.cisco.com/c/en/us/products/collateral/collaboration-endpoints/virtualization-experience-media-engine/data_sheet_c78-702849.html.</p> <p>Important Ensure that all Jabra devices are running the latest firmware. You can use the Jabra PC Suite to update the firmware. For more information visit: http://www.jabra.com/Support/jabra-PC-suite.</p>

Related Topics

[Installation and Configuration Guides for Cisco Jabber for Windows](#)

[Installation and Configuration Guides for Cisco UC Integration for Microsoft Lync](#)

Video Resolution

Video resolution and performance depend on various factors including the thin client and camera used. The following table lists the maximum expected resolutions for each thin client.

Thin Client Model	Standard Resolution	Resolution With Encoding Camera (Logitech C920-C)
Dell Wyse D50D	240p	480p
Dell Wyse D50Q	480p	720p and higher
Dell Wyse Z50D	360p	720p
Dell Wyse Z50Q	720p and higher	720p and higher
Dell Wyse Z50QQ	720p and higher	720p and higher

Installation and Upgrade Notes



Important If you are upgrading from Cisco Voice and Video Firmware Release 8.6 or Release 8.7, you must first upgrade to Cisco Virtualization Experience Media Engine Release 9.0, 9.2, 9.3, or 9.7.

Supported upgrade paths include:

- Cisco Virtualization Experience Media Engine Release 9.0 to Cisco Virtualization Experience Media Engine Release 10.6
- Cisco Virtualization Experience Media Engine Release 9.2 to Cisco Virtualization Experience Media Engine Release 10.6
- Cisco Virtualization Experience Media Engine Release 9.3 to Cisco Virtualization Experience Media Engine Release 10.6
- Cisco Virtualization Experience Media Engine Release 9.7 to Cisco Virtualization Experience Media Engine Release 10.6

For detailed information about how to perform a new installation or an upgrade, see *Deployment and Installation Guide for Cisco Virtualization Experience Media Engine for SUSE Linux Release 10.6*.

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 pre-login banner.

For a complete list of documentation for your release, see the *Documentation Guide for Cisco Virtualization Experience Media Engine for SUSE Linux*, located here: <http://www.cisco.com/c/en/us/support/collaboration-endpoints/virtualization-experience-media-engine/products-documentation-roadmaps-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 Engine 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 Engine 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 Engine 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.

Procedure

-
- 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

Logitech UC Keyboard K725-C

Enhanced functions (for Unified Communications) are available only in Cisco Unified Communications environments. To use these functions, users must be signed in to their Cisco Unified Communications client (Cisco Jabber or Cisco UC Integration™ for Microsoft Lync).

If users do not set up their Cisco Unified Communications client (Cisco Jabber or Cisco UC Integration™ for Microsoft Lync) with their Cisco Unity credentials for voicemail, or if they use a third-party voicemail system, the message waiting indicator on the keyboard may not be in sync with Cisco Jabber or Cisco UC Integration™ for Microsoft Lync.

Jabra Bluetooth Audio 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, such as Jabra Pro, you can eliminate the delay by changing the device settings in the Jabra PC Suite.

Adjust Settings for Jabra Bluetooth Devices

Before You Begin

Jabra PC Suite must be installed.

Procedure

- Step 1** Open the Jabra Control Center.
 - Step 2** Click the Jabra device for which you want to modify the settings.
 - Step 3** Click **Softphone (PC)**.
 - Step 4** Check the **Open phone line on undock** check box.
 - Step 5** Under **PC audio control**, click **Automatic**.
 - Step 6** From the Softphone Vendor list, select **Other**.
 - Step 7** Click **Apply**.
-

Camera Hot Swap

Cisco Virtualization Experience Media Engine 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

Identifier	Severity	Component	Headline
CSCur59156	4	vxme-core	Ringtone test sound is played on speaker device instead on ringer device
CSCus32415	4	vxme-core	[VXME for Linux] Peakmeter is not working while on a call
CSCus79626	4	vxme-core	Selecting "All devices" should be persistent across Jabber sessions
CSCut21167	4	accmanager	[VXME for Linux] Audio not routed correctly for Jabra HANDSET 450
CSCus76788	5	vxme-core	'All Devices' string in ringer drop down menu needs to be localized

Closed Caveats

Identifier	Severity	Component	Headline
CSCus62717	3	vxme-core	[VXME for Linux] Self preview on video tab freezes after few secs with MS LifeCam Cinema
CSCui47733	4	jcc	Video freezes on Cisco 8945 when pressed "Stop my video" in CUCI/Jabber
CSCum18005	4	vxme-core	[VXME for Linux] Cannot switch between 2 cameras of the same type in virtualization
CSCum27917	4	vxme-core	[VXME for Linux] Low frame rate (7fps) with MS LifeCam Cinema.
CSCur71602	4	vxme-core	[VXME for Linux] Successful USB log redirection causes misleading failure popup
CSCul17954	5	vxme-core	XenApp Conference, full screen on/off call strip is not in call window

Resolved Caveats

Identifier	Severity	Component	Headline
CSCus57295	2	vxme-core	VMware session disconnection after Jabber exit
CSCus62843	2	jabber	Jabber crash on VXME registration if DN longer than 16 digits
CSCuq54673	3	vxme-core	Black video after minimizing window previously overlapping video window
CSCue36698	6	jabber	[VXME for Linux] No option to view video preview from Jabber options window
CSCuq26916	6	vxme-core	[VXME for Linux] Self-view cannot be moved or resized

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