



Release Notes for Cisco Virtualization Experience Media Engine for SUSE Linux Release 11.0

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Release and General Information

These release notes describe new features, requirements, restrictions, and caveats for Cisco Virtualization Experience Media Engine for SUSE Linux Release 11.0. 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, 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

The build number for Cisco Virtualization Experience Media Engine Client (VXME Client) for this release is 11.0.0–309.

The build number for Cisco VXME prerequisites is 11.0.0–30.

The build number for Cisco VXME Agent for this release is 11.0.0.508–214752.

The build number for Cisco AnyConnect is 3.1.08009–71.

Filenames

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

File Type	Filename
Cisco Virtualization Experience Media Engine Client for SUSE Linux SP2 (downloadable .zip file)	Cisco_VXME_Client-11.0.0_SP2.zip
SP2 VXME.rpm file (extracted from zip file)	cisco_vxme_client-11.0.0-309.sletc11sp2.rpm
SP2 VXME Prerequisites.rpm file (extracted from zip file)	vxme-pre-reqs-11.0.0-30.sletc11sp2.rpm
Cisco Virtualization Experience Media Engine Client for SUSE Linux SP3 (downloadable .zip file)	Cisco_VXME_Client-11.0.0_SP3.zip
SP3 VXME Client.rpm file (extracted from zip file)	cisco_vxme_client-11.0.0-309.sletc11sp3.rpm
SP3 VXME Prerequisites.rpm file (extracted from zip file)	vxme-pre-reqs-11.0.0-30.sletc11sp3.rpm
Cisco Virtualization Experience Media Engine Agent for SUSE Linux Release 11.0 (downloadable zip file)	Cisco_VXME_Agent-11.0.0.zip
Cisco VXME Agent installer file (extracted from zip file)	CiscoVXMEAgentSetup.msi
Cisco AnyConnect for SUSE Linux SP2 (downloadable zip file)	Anyconnect_bundle-3.1.08009-71_SP2.zip
SP2 Cisco AnyConnect.rpm file (extracted from zip file)	anyconnect_bundle-3.1.08009-71.sletc11sp2.rpm
Cisco AnyConnect for SUSE Linux SP3 (downloadable zip file)	Anyconnect_bundle-3.1.08009-71_SP3.zip
SP3 Cisco AnyConnect.rpm file (extracted from zip file)	anyconnect_bundle-3.1.08009-71.sletc11sp3.rpm

Languages

The Cisco VXME Agent installation program, and Device Selector are localized in the following languages:

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

Cisco Virtualization Experience Media Engine for SUSE Linux (VXME for SUSE Linux) Release 11.0 adds support for the following programs and features:

- Cisco Jabber for Windows Release 11.0.

**Important**

Cisco VXME for SUSE Linux 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
- 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)
- 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)
- Accessory Call Control (adjust call volume, answer or end phone calls, and mute audio) for the following accessories
 - Logitech
 - Plantronics
 - Sennheiser

Cisco VXME Client and VXME Agent

Cisco Virtualization Experience Media Engine includes two components, which have been renamed:

- VXME Client (formerly VXME)
- VXME Agent (formerly VXME Utilities)

Documentation Changes

The *Deployment and Installation Guide for Cisco Virtualization Experience Media Engine for SUSE Linux* is reorganized into the following chapters:

- Cisco Virtualization Experience Media Engine Overview
- Requirements
- Installation
- Configuration
- Upgrade

- Troubleshooting

The procedures for creating a problem report are moved to the user guide.

The “[Citrix Netscaler and Cisco Expressway, on page 8](#)” section of these release notes is updated.

Related Topics

[Filenames, on page 1](#)

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: 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 7.</p>
SUSE Linux Platform SP2 Image	11.2.092
SUSE Linux Platform SP3 Image	11.3.092
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 only • VMware Horizon View 5.3—Published desktops only • VMware Horizon 6.0 (with View)—Published desktops only • VMware Horizon 6 version 6.1.0—Published desktops only
Receiver or client (on the thin client)	The platform SP2 or SP3 image includes the required receiver or client.

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 11.0 running on the hosted virtual desktop (HVD). Cisco VXME is compatible with all future 11.0(X) Cisco Jabber for Windows versions. All Jabber features that are supported for the current release of VXME are supported for future 11.0(X) Jabber releases. 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> for your release.
Windows Server (Required for Citrix XenApp)	Citrix Xenapp 6.5 <ul style="list-style-type: none"> • Microsoft Windows Server 2008 R2 • Windows Server 2008 R2 SP1 (Standard, Enterprise, Datacenter, and Foundation) Citrix Xenapp 7.5 or 7.6 <ul style="list-style-type: none"> • Microsoft Windows Server 2008 R2 (Standard and Datacenter Editions) • Windows Server 2008 R2 SP1 (Standard, Enterprise, and Datacenter Editions) • Microsoft Windows Server 2012 (Standard and Datacenter Editions)
Cisco Unified Communications Manager User Data Service (UDS)	<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.
Cisco AnyConnect (Optional)	3.1.08009-71 (available for SP2 and SP3)
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 Jabra Direct to update the firmware. For more information visit: http://www.jabra.com .

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, first upgrade to Cisco Virtualization Experience Media Engine Release 9.0, 9.2, 9.3, 9.7, or 10.6.

Supported upgrade paths include:

- Cisco Virtualization Experience Media Engine Release 9.0 to Cisco Virtualization Experience Media Engine Release 11.0
- Cisco Virtualization Experience Media Engine Release 9.2 to Cisco Virtualization Experience Media Engine Release 11.0
- Cisco Virtualization Experience Media Engine Release 9.3 to Cisco Virtualization Experience Media Engine Release 11.0
- Cisco Virtualization Experience Media Engine Release 9.7 to Cisco Virtualization Experience Media Engine Release 11.0
- Cisco Virtualization Experience Media Engine Release 10.6 to Cisco Virtualization Experience Media Engine Release 11.0

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 11.0*.

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 Engine for SUSE Linux*, 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.

Cisco Media Services Interface and Dual VLAN

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

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.

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- 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.
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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 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.

Severity level		Description
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	Component	Severity	Description
CSCuo95518	jabber	4	"Start/Stop my video" is present if camera is not plugged in
CSCur59156	vxme-core	4	Ringtone test sound is played on speaker device instead on ringer device
CSCus32415	vxme-core	4	VXME4SLETC: Peakmeter is not working while on a call
CSCut21167	accmanager	4	Audio not routed correctly for Jabra HANDSET 450

Closed Caveats

There are no closed caveats for this release.

Resolved Caveats

Identifier	Component	Severity	Description
CSCur06861	jabber	4	User has to switch to full screen to display self view
CSCus51475	vxme-core	4	While "All devices" selected the advanced Ringer list should be disabled
CSCus79626	vxme-core	4	Selecting "All devices" should be persistent across Jabber sessions

Identifier	Component	Severity	Description
CSCuq28689	vxme-core	4	Video not scaled properly in video option tab
CSCus76788	vxme-core	5	'All Devices' string in ringer drop down menu needs to be localized

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