

Cisco Virtualization Experience Media Engine 9.3

Product Overview

Cisco® Virtualization Experience Media Engine (VXME) extends the rich collaboration experience of Cisco Jabber™ for Windows to virtualized environments by enabling the intelligent processing of real-time voice and video on the local device.

The Cisco Jabber platform streamlines communications and enhances productivity by unifying presence, instant messaging, video, voice, voice messaging, and conferencing capabilities securely into one client on your desktop.

With Cisco VXME, organizations implementing virtualization strategies can deliver the same rich, uncompromised user experience of the Cisco Jabber application to virtualized desktops in addition to PCs, Macs, tablets, and smartphones.

In virtualized environments, the Cisco Jabber platform is deployed in the datacenter while Cisco VXME runs on the local client. With the Cisco Jabber application running on your hosted virtual desktop, you can see presence status, send an instant message (IM), check voice messages, or collaborate over a video call. Voice and video traffic is processed locally by Cisco VXME and routed point-to-point between clients, bypassing the datacenter and eliminating the “hairpin” effect of media. With this optimized architecture that Cisco VXME delivers, when in virtualized settings you benefit from the same uncompromised user experience that you enjoy with the Cisco Jabber solution.

Innovative unified communications accessories designed for Cisco by Jabra and Logitech are tightly integrated with the Jabber® platform and VXME call control to further enhance your collaborative experience (Figure 1).

Figure 1. Cisco Jabber Application with VXME



For example, if you log in on a virtual desktop from your home office, you may find the keyboard with a unique caller-ID display and call-control buttons compelling. Or, if you make frequent conference calls on your virtual desktop, you may prefer a standalone speakerphone optimized for the Cisco Jabber platform. In both examples, these specially created peripherals enhance your experience, enabling you to customize your virtual desktop for your individual needs.

A key component of the Cisco Virtualization Experience Infrastructure (VXI) Smart Solution, Cisco VXME reinvents the desktop by combining the benefits of virtualization with time-proven unified communications and integrated accessories to deliver a superior Cisco Unified Workspace experience.

Features and Benefits

Table 1 lists the feature and benefits of Cisco VXME.

Table 1. Features and Benefits

Feature	Benefit
Cisco Jabber platform on the virtual desktop	Rich collaboration that supports the uncompromised user experience of the Cisco Jabber application
Local voice and video processing	Efficient use of local thin-client resources to reduce network bandwidth and datacenter resources, eliminating the hairpin effect for the ultimate user experience
Cisco Precision Video Engine	<ul style="list-style-type: none"> High-fidelity wideband audio and business-quality video communications up to high-definition (720p at 30 frames per second [fps]) with the combination of Cisco Precision Video Engine and Logitech Webcam C920-C Standards-based (H.264) video for interoperability with telepresence endpoints and videoconferencing systems
Quality of service (QoS)	Improved quality of service with QoS marking for voice, video, and data traffic through: <ul style="list-style-type: none"> Dual VLAN (Layer 2) Medianet services
Secure Real-Time Transport Protocol (SRTP)¹	Secure media encryption
Secure remote access	Secure remote access through native Cisco AnyConnect [®] Secure Mobility Client
Unified communications accessories	Tight integration of handset, speakerphone, keyboard, and camera - designed for Cisco by Jabra and Logitech - into Cisco VXME call control to deliver a unified workspace for voice, video, and desktop virtualization
Citrix XenDesktop, Citrix XenApp (Published Desktop), and VMware View	Support for superior Cisco VXI experience

¹ SRTP requires Cisco Jabber for Windows Release 9.2.2, or Cisco UC Integration[™] for Microsoft Lync 9.2.2.

System Requirements

Table 2 outlines system requirements for Cisco VXME.

Table 2. System Requirements for Cisco Jabber Application with VXME

Virtual desktop client	Cisco Virtual Experience Client 6215 (VXC 6215) or Dell Wyse Z50D with Firmware Version 9.3
Unified communications client on virtual environment	Cisco Jabber for Windows 9.2 ¹ and later or Cisco UC Integration [™] for Microsoft Lync 9.2 ¹ and later, running on a Windows 7 hosted virtual desktop with: <ul style="list-style-type: none"> Citrix XenDesktop 5.0, 5.5, or 5.6 Citrix Xenapp 6.0, and 6.5 published desktops VMware View (PCoIP) 5.0, 5.1, or 5.2
Cisco Unified Communications Manager	Cisco Unified Communications Manager 7.1.5, 8.0, 8.5, 8.6, 9.0, or 9.1

Accessories	High-definition video (720p at 30 fps) requires Logitech Webcam C920-C designed for Cisco ² . For a complete list of supported accessories, please refer to VXME for Linux: Cisco Approved Audio and Video Accessories data sheet.
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¹ Cisco Jabber desktop share, Cisco Jabber desk phone video (display of video on desktop when the thin client is tethered to the user's desk phone), recording and silent monitoring (contact center), and Cisco Unified Survivable Remote Site Telephony (SRST) are not supported with Cisco VXME.

SRTP requires Cisco Jabber for Windows Release 9.2.2 or Cisco UC Integration™ for Microsoft Lync 9.2.2.

² High-definition video (720p at 30 fps) requires Logitech Webcam C920-C designed for Cisco, which has built-in video processing capabilities within the camera. When using a different camera, video output is limited to 360p. Please refer to the "VXME for Linux: Cisco Approved Audio and Video Accessories" data sheet for a list of supported cameras.

Warranty Information

Find warranty information on Cisco.com at the [Product Warranties](#) page.

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For More Information

For more information about the Cisco Virtualization Experience Media Engine (VXME), visit:

- <http://www.cisco.com/go/vxc>
- <http://www.cisco.com/go/vxi>
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