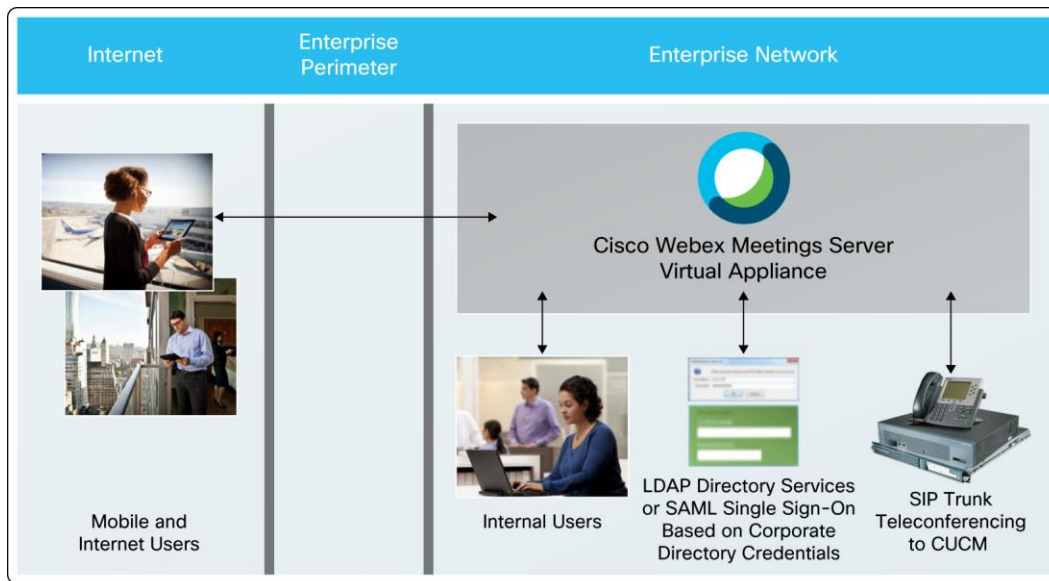# Cisco Webex Meetings Server

Contents

Now you can bring Cisco Webex® conferencing into your company's private cloud, for a cost-effective, secure, and flexible collaboration solution. Meet your organization's requirements for highly secure on-premises conferencing, and deliver the same user experience that has made Cisco Webex the market-leading Software-as-a-Service (SaaS) conferencing solution.

Product Overview

Cisco Webex Meetings Server is a virtualized, software-based solution that runs on Cisco Unified Computing System™ (Cisco UCS®) servers and VMware. It uses virtual appliance technology for rapid turn-up of services to end users. With Cisco Webex Meetings Server, there are two options for enabling mobile users to more securely access Cisco Webex conferences without going through a VPN. The first option is to deploy reverse proxy (or edge servers) in the enterprise perimeter (or DMZ). The second option, shown in Figure 1, is to deploy the reverse proxy servers behind your internal firewall, thus eliminating all DMZ components and related information security concerns.

In addition, Cisco Webex Meetings Server uses simple port forwarding on ports 80 (HTTP) and 443 (SSL) to minimize the number of ports that need to be opened in your external and internal firewalls. Back-end servers integrate with Cisco Unified Communications Manager for high-quality teleconferencing.

In large enterprise deployments, critical manageability requirements include user provisioning as well as the ability for users to sign in using their corporate credentials. Cisco Webex Meetings Server supports these requirements by enabling you to use either Lightweight Directory Access Protocol (LDAP) directory services for user management and authentication or the industry-standard Security Assertion Markup Language (SAML) 2.0 single sign-on.

Figure 1.
Full Deployment of Cisco Webex Meetings Server Behind a Firewall

Features and Benefits

Feature	Benefit
Meets stringent	• Installed behind corporate firewall • End-user sessions encrypted with industry-standard Secure Sockets Layer (SSL) 3.0, Transport Layer Security (TLS) 1.0, and

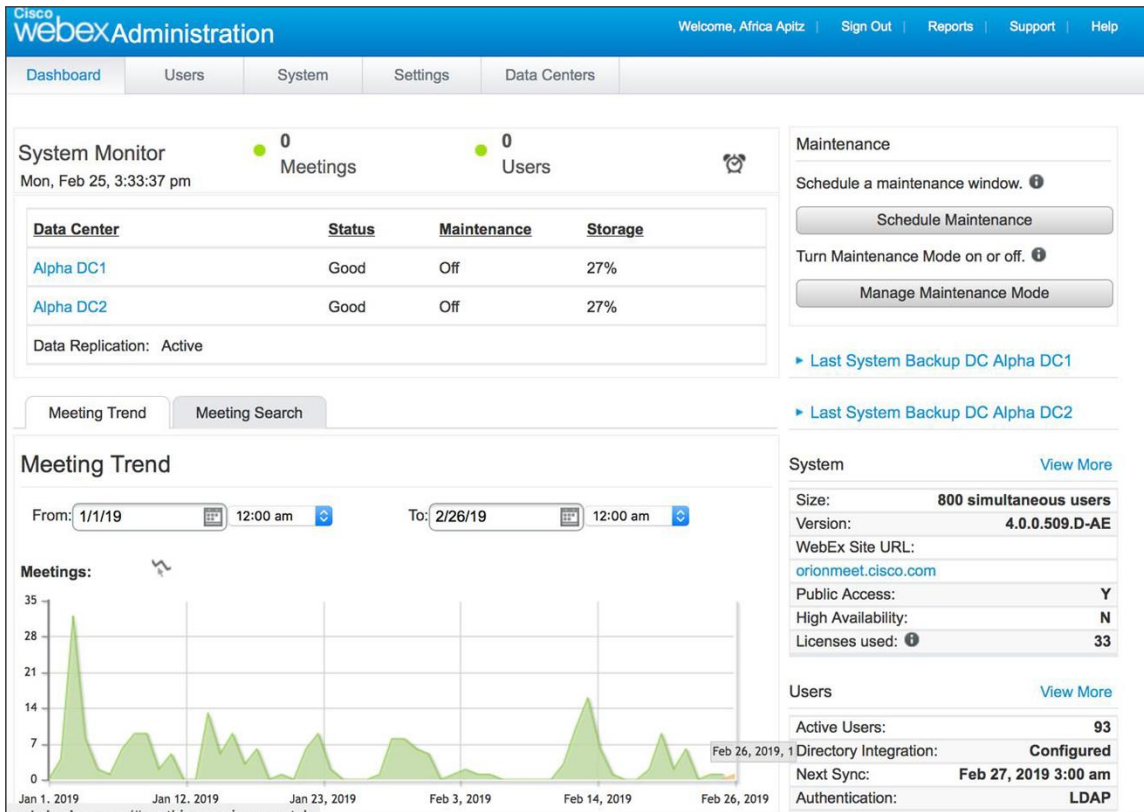| Feature	Benefit
security requirements	TLS 1.2 • Communications between Cisco Webex Meetings Server virtual servers are encrypted • FIPS-140-2 certified encryption can be turned on with a single policy setting, providing U.S. Department of Defense-level security • Meets U.S. Department of Defense Joint Interoperability Test Command (JITC) certification requirements
Scalability and high availability	• Offered in 4 deployment sizes for scalability: 50, 250, 800, and 2000 concurrent users or "ports" • For highest availability, the 250-, 800-, and 2000-port models are available in "active-active," multi-data center topologies. This also creates geographical separation for reliability while efficiently serving a widely distributed user base • The 2000 port system is expandable to a 4000-port model for single and multi-data center topologies
Protects existing Cisco collaboration investments	• Deploy with Cisco Unified Communications Manager and extend your investment in IP telephony to online meetings
Aligns to business-focused conferencing capabilities	• Document, application, and desktop sharing • Annotation and collaboration tools • Personal Room with an easy-to-remember link that never changes • Modern video-centric experience with centralized controls plus integrated scheduling and calendar management • Personal Conferencing Number capabilities, providing persistent host and attendee access codes for planned and ad hoc audio-centric conferencing • Blast Dial Out, to rapidly dial tens to hundreds of participants automatically at a meeting's start. It is ideal for emergency response and similar situations that require a way to rapidly form meetings. Blast Dial Out meetings include customizable greetings and administrator-defined access codes and security parameters • High-quality video with 720p screen resolution, full-screen video, up to 25 simultaneous webcam video feeds, and voice-activated switching • User profile functionality, providing groups of users with access to specific features • Recording capabilities, including downloadable recordings and playback • Consistent cross-platform experience on Windows, Mac, smartphones, and tablets • Hosts can schedule meetings directly from their Microsoft Outlook for Windows calendars • Hosts can set up internal meetings that require authentication
Comprehensive mobile collaboration support	• Mobile devices, including iPhones, iPads, and Android devices, can join as meeting clients • Start, join, schedule, and attend online meetings from mobile devices • Mobile functions also include chat, audio, call me, calendar, and ability to pass presenter privileges to others on call • Two-way video available on Android and iPad (2.0+) devices • Connect to meeting with audio in two ways: via telephony or Internet (integrated VoIP) • Support for Cisco Jabber® for Windows and Mac (requires Cisco Unified Presence), enabling users to easily move from a chat session to an online meeting
Simple, web-based management	• Administration dashboard (see Figure 2) includes a real-time view of system processes and management reports on usage, licenses, and more • Latest reports available on a monthly basis in the Administration dashboard • Update user email addresses individually or in bulk without losing any meeting data • Recording management allows administrator read-only access to all recordings on the system, for file storage management purposes • Back Up Now button to start backup of the system immediately

Figure 2.
Web-Based Administration Dashboard

Supported Operating Systems

Windows	Mac
Windows Vista (32-bit/64-bit)	Mac OS X 10.7 Lion
Windows 7 (32-bit/64-bit)	Mac OS X 10.8 Mountain Lion
Windows 8 (32-bit/64-bit)	Mac OS X 10.9 Mavericks
Windows 8.1 (32-bit/64-bit)	OS X 10.11 El Capitan (CWMS 2.6MR1)
Windows 10 (32-bit/64-bit) (CWMS 2.6MR1 and higher)	OS X 10.12 Sierra (CWMS 2.7MR2)
Edge (Windows 10 only) 20.10240.16384.0 to 38.14393.00	

Licensing

Cisco Webex Meetings Server features user-based licensing, which requires a license for each user that intends to host meetings. For Multi-Data Center (MDC) systems, each data center requires an MDC license; an MDC system requires a minimum of two licenses, one for each data center. For extra large capacity, an XL Capacity license is required. Starting with CWMS 4.0, Smart Licensing via the Cisco Smart Software Manager (CSSM) which is an intuitive portal where administrators can activate and manage all licenses.

System Requirements

Cisco Webex Meetings Server is compatible with Cisco UCS servers that meet or exceed the specifications presented in this section.

Module	Requirements
Host server	Cisco UCS C-Series rack server or equivalent B-Series blade server
Network interfaces	• Minimum 1 physical Network Interface Card (NIC) for a nonredundant configuration • Redundant configurations must have all NIC interfaces duplicated and connected to an independent switching fabric
Internal storage (direct attached storage [DAS]) for ESXi hosts where internal machines are deployed	Minimum of 4 drives in a RAID-10 or RAID-5 configuration
Internal storage (DAS)for ESXi hosts where Internet Reverse Proxy (IRP) virtual machines are deployed	Minimum of 2 drives in a RAID-1 configuration
SAN storage	Can be used as a substitute for DAS
Network-Attached Storage (NAS)	Can be used as a substitute for DAS or SAN
Hypervisor	• ESXi versions and vSphere licenses • 1 VMware license per processor socket
Email server	• Fully Qualified Domain Name (FQDN) of the mail server that the system uses to send emails • Port number: Default value of the Simple Mail Transfer Protocol (SMTP) port number is 25 or 465 (secure SMTP port number)

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