



Implementing Cisco Collaboration Conferencing v1.0 (300-825)

Exam Description: The Implementing Cisco Collaboration Conferencing v1.0 (CLCNF 300-825) is a 90-minute exam associated with the CCNP Collaboration Certification. This exam tests a candidate's knowledge of conferencing architecture, installation and configuration, integration, and troubleshooting. The course, Implementing Cisco Collaboration Conferencing, helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

- 20%** **1.0** **Conferencing Architecture**
 - 1.1 Describe the features and benefits of cloud, hybrid, and on-premises conferencing solutions
 - 1.2 Describe the collaboration architecture topology and call flow required for on-premises internal conferencing solution using Cisco Unified Communications Manager as a call control device
 - 1.3 Describe the collaboration architecture topology and call flow required for on-premises internal only conferencing solution using Cisco Expressway as a call control device
 - 1.4 Describe on-premises conferencing solutions for external participants (B2B and WebRTC)
 - 1.4.a Collaboration architecture topology
 - 1.4.b Call flow
 - 1.5 Describe the integration of OnPrem Microsoft Skype for Business with Cisco Collaboration via Expressway and Cisco Meeting Server (audio/video and IM&P Service)
 - 1.5.a Additional collaboration architecture
 - 1.5.b Call flow
 - 1.6 Describe Cisco Meeting Server recording and streaming of conferences
 - 1.6.a Additional collaboration architecture
 - 1.6.b Call flow
 - 1.7 Describe the features and functions of Cisco Meeting Management

- 30%** **2.0** **Installation and Configuration**
 - 2.1 Install the Cisco Meeting Server
 - 2.2 Describe TLS certificate requirements within Cisco Meeting Server
 - 2.3 Determine the Cisco Meeting Server deployment most suitable, given a scenario
 - 2.3.a Single split meeting deployment
 - 2.3.b Single combined meeting server
 - 2.3.c Scalable and resilient meeting server

- 2.3.d Cisco Expressway Web Proxy
 - 2.4 Configure a single combined Cisco Meeting Server deployment
 - 2.5 Configure a scalable and resilient Cisco Meeting Server deployment
 - 2.6 Configure the Cisco Meeting Server and Cisco Expressway for external WebRTC access
 - 2.7 Deploy and configure Cisco Meeting Management (including integrating with Cisco TelePresence Management Suite for phonebooks and scheduling)
 - 2.8 Configure Cisco Meeting Server for recording
 - 2.9 Describe the configuration of Cisco Meeting Server for streaming
- 25%** **3.0 Integration**
- 3.1 Integrate Cisco Meeting Server with Cisco Unified Communication Manager using SIP trunks
 - 3.2 Integrate Cisco Meeting Server with Cisco Unified Communication Manager as a conference bridge
 - 3.3 Integrate Cisco Meeting Server with Expressway Core as a neighbor zone
 - 3.4 Describe the integration of Microsoft Skype for Business 2019 with Cisco Meeting Server and Cisco Expressway (audio/video and IM&P Service)
 - 3.5 Deploy, configure, and maintain Cisco TelePresence Management Suite
 - 3.6 Integrate Cisco TelePresence Management Suite with other conferencing and endpoints and schedule conferences
 - 3.7 Deploy, configure, and maintain Cisco TelePresence Management SuiteXE
- 25%** **4.0 Troubleshoot**
- 4.1 Describe the implement of back up and system upgrades on Cisco Meeting Server and Cisco Meeting Management
 - 4.2 Troubleshoot Cisco Meeting Server configurations using tools (WebAdmin Logs, SFTP Files, and API access on the web interface)
 - 4.3 Diagnose SIP signaling and audio/video quality issues using call statistics, codec information, and packet captures
 - 4.4 Interpret WebRTC audio/video quality related to Cisco Meeting Server call flows using call statistics, codec information, and packet captures
 - 4.5 Interpret notifications pane and retrieve log files for Cisco Meeting Management