

CISCO VOICE

Phone systems &
Video Telepresence



Implementing Cisco Video Network Devices [EXAM-210-065 CIVND1, CIVND2]

Overview: - The 210-060 (CICD) Implementing Cisco Collaboration Devices exam is a 75-minute, 55-65 question assessment that is associated with the CCNA Collaboration certification. This exam tests a candidate's knowledge of Cisco Unified Communications (UC) solutions. A candidate is tested on knowledge of administrator and end-user interfaces, telephony and mobility features, and Cisco UC solutions maintenance.

Course Content

1.0 Video Concepts

- 1.1 Describe the functional components of video solutions
 - 1.1.a Provisioning and scheduling Management
 - 1.1.b Video compositing
 - 1.1.c Streaming video
 - 1.1.d Recording and storage
 - 1.1.e Media players
 - 1.1.f Media convergence
 - 1.1.g Media managements
 - 1.1.h Video convergence

2.0 Endpoint Configuration

- 2.1 Describe video product models
 - 2.1.a Mobile devices
 - 2.1.b Desktop systems
 - 2.1.c Multi-purpose systems
 - 2.1.d Surveillance cameras and encoders
 - 2.1.e Immersive systems
 - 2.1.f Peripherals and add-ons
 - 2.1.g Cabling connections
 - 2.1.h Digital media players
- 2.2 Describe environment recommendations
 - 2.2.a Room lighting recommendations
 - 2.2.b Room acoustics recommendations
 - 2.2.c Room power recommendations
 - 2.2.d Room HVAC recommendations
 - 2.2.e Room materials (windows, floor material, wall material, etc.)
 - 2.2.f Room size and background wall
 - 2.2.g Viewing distance
 - 2.2.h Physical security recommendations
- 2.3 Implement desktop endpoints and surveillance cameras
 - 2.3.a Network settings
 - 2.3.b GUI interface and CLI
 - 2.3.c Control plane
 - 2.3.d Cables
 - 2.3.e Test call
 - 2.3.f User acceptance test
 - 2.3.g Microphone calibration
 - 2.3.h Camera calibration
 - 2.3.i Media playback on PCs
- 2.4 Describe features and functions
 - 2.4.a Auto collaboration
 - 2.4.b MCU capabilities versus TelePresence Server
 - 2.4.c Audio add in
 - 2.4.d PIP
 - 2.4.e FECC
 - 2.4.f Resolution setting
 - 2.4.g Multi way vs multi-site



3.0 Troubleshooting and Support

- 3.1 Describe troubleshooting methodologies
- 3.2 Identify endpoint issues
 - 3.2.a Cabling
 - 3.2.b Peripherals
 - 3.2.c Network connectivity
 - 3.2.d Registration
 - 3.2.e Call setup
 - 3.2.f Media quality
 - 3.2.g Mid call feature issues

- 3.3 Collecting system information
 - 3.3.a Logs
 - 3.3.b Status
- 3.4 Manage configuration
 - 3.4.a Backups
 - 3.4.b Restore
 - 3.4.c Reset to defaults
 - 3.4.d Password recovery
- 3.5 Implement key CLI commands
- 3.6 Monitor events and alerts

4.0 Conferencing Concepts

- 4.1 Describe multi-point control units
- 4.2 Describe conferencing features
 - 4.2.a Switching and layout options
 - 4.2.b Cascading
 - 4.2.c Conferencing add-ons
- 4.3 Describe scheduling vs adhoc vs on demand features

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