Implementing Cisco Unified Communications Manager, Part 2
Version 8.0 (642-457)

Exam Description: The Implementing Cisco Unified Communications Manager, Part 2 (CIPT2) version 8.0 642-457 exam is a 105-minute (one hour and 45 minutes) test with 55–65 questions that are associated with the Cisco CCNP® Voice certification. This exam tests a candidate’s skills in implementing a Cisco Unified Communications Manager solution in a multisite environment, applying a dial plan for a multisite environment, configuring survivability for remote sites during WAN failure, and implementing solutions to reduce bandwidth requirements in the IP WAN. Candidates can prepare for this exam by taking the Implementing Cisco Unified Communications Manager, Part 2 (CIPT2) version 8.0 course. The exam is closed book and no outside reference materials are allowed.

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. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

12% 1.0 Describe and Implement Centralized Call Processing Redundancy
1.1 Describe device fail over
1.2 Configure call survivability
1.3 Configure Cisco unified survivable remote site telephony operation
1.4 Configure Cisco unified communications manager express to provide redundancy
1.5 Configure MGCP fallback operation
1.6 Verify redundancy operations

29% 2.0 Describe and Configure a Multi-Site Dial Plan for Cisco Unified Communication Manager
2.1 Describe the issues with multi-site dial plans
2.2 Describe the differences between the various gateways and trunk types supported by Cisco unified communication manager
2.3 Implement trunks
2.4 Describe globalized call routing
2.5 Implement a numbering plan for multisite topologies
2.6 Configure tail end hop off

21% 3.0 Implement Call Control Discovery and Cisco Inter Company Media Exchange
3.1 Configure service advertisement framework forwarder
3.2 Configure service advertisement framework client control
3.3 Configure service advertisement framework call control discovery

27% 4.0 Implement Bandwidth Management and Call Admission Control
4.1 Configure regions
4.2 Implement transcoders and MTPs
4.3 Configure locations
4.4 Implement RSVP agents
4.5 Implement SIP precondition
4.6 Describe functionality of a gatekeeper
4.7 Implement gatekeeper-based call admission control
4.8 Configure automated alternate routing
4.9 Configure multisite music on Hold

11%  5.0 Implement Mobility Features
5.1 Configure Cisco unified communications manager device mobility
5.2 Configure Cisco extension mobility