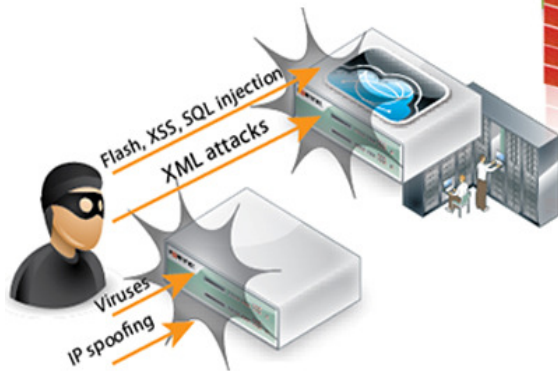




GETTING STARTED **CCNA Security**



Implementing Cisco IP Telephony & Video, Part 2 v1.0 [300-075 CIPTV2]

Overview: - This exam tests candidate seeking CCNP Collaboration on their ability for implementing a Cisco Unified Collaboration solution in a multisite environment. It covers Uniform Resource Identifier (URI) dialing, globalized call routing, Intercluster Lookup Service and Global Dial Plan Replication, Cisco Service Advertisement Framework and Call Control Discovery, tail-end hop-off, Cisco Unified Survivable Remote Site Telephony, Enhanced Location Call Admission Control (CAC) and Automated Alternate Routing (AAR), and mobility features such as Device Mobility, Cisco Extension Mobility, and Cisco Unified Mobility. The exam also describes the role of Cisco Video Communication Server (VCS) Control and the Cisco Expressway Series and how they interact with Cisco Unified Communications Manager.

Course Content

1.0 VCS Control

- ✚ 1.1 Configure registration of devices
- ✚ 1.2 Explore the fundamentals of subzones
- ✚ 1.3 Describe zone plans for VCS
- ✚ 1.4 Describe and configure traversal zones
- ✚ 1.5 Describe the benefits and configuration of transforms and create call policies
- ✚ 1.6 Explore VCS searches for endpoints
- ✚ 1.7 Integrating LDAP

- ✚ 1.8 Explain DNS and SRV records and document requirements for SRV records
- ✚ 1.9 Describe how clustering and replication works and configure a cluster
- ✚ 1.10 Configure interworking with VCS
- ✚ 1.11 Configure H.323 (including gatekeeper) and SIP
- ✚ 1.12 Configure trunking

2.0 Collaboration Edge (VCS Expressway)

- ✚ 2.1 Identify and configure the requirements when deploying a collaboration edge
- ✚ 2.2 Establish a relationship between C/Expressway E and CUCM
- ✚ 2.3 Document and produce requirements for firewall and NAT configuration
- ✚ 2.4 Describe and implement privacy and security controls for external devices and calls
- ✚ 2.5 Describe elements in a traversal call (H.460 and Assent)

3.0 Configure CUCM Video Service Parameters

- ✚ 3.1 Configure DSCP
- ✚ 3.2 Configuring clusterwide parameters system QoS

4.0 Describe and Implement Centralized Call Processing Redundancy

- ✚ 4.1 Describe device fail over
- ✚ 4.2 Configure call survivability
- ✚ 4.3 Configure Cisco Unified Survivable Remote Site Telephony operation
- ✚ 4.4 Verify redundancy operations

5.0 Describe and Configure a Multi-site Dial Plan for Cisco Unified Communications Manager

- ✚ 5.1 Describe the issues with multi-site dial plans
- ✚ 5.2 Describe the differences between the various gateways and trunk types supported by Cisco Unified Communication Manager
- ✚ 5.3 Implement trunks to VCS
- ✚ 5.4 Describe globalized call routing based on URI dial plans and ILS
- ✚ 5.5 Implement a numbering plan for multi-site topologies

6.0 Implement Call Control Discovery/ILS

- ✚ 6.1 Configure Service Advertisement Framework Forwarder
- ✚ 6.2 Configure Service Advertisement Framework Client Control
- ✚ 6.3 Configure Service Advertisement Framework Call Control Discovery
- ✚ 6.4 Configure URI calling
- ✚ 6.5 Configure ILS network
- ✚ 6.6 Configure Global Dial Plan Replication

7.0 Implement Video Mobility Features

- ✚ 7.1 Configure extension mobility, and device mobility
- ✚ 7.2 Configure unified mobility (including video)

8.0 Implement Bandwidth Management and Call Admission Control on CUCM

- ✚ 8.1 Configure regions
- ✚ 8.2 Implement transcoders and MTPs
- ✚ 8.3 Configure locations CAC and Enhanced CAC
- ✚ 8.4 Correlate events based on traces, logs, debugs and output of monitoring tools
- ✚ 8.5 Parse and interpret traces, logs, debugs and output of monitoring tools

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