

Optimizing Converged Cisco Network

COURSE CONTENT

Introduction

Describing Network Requirements

- IIN and Cisco SONA Framework
- Cisco Network Models
- Traffic Conditions in a Converged Network

Describe Cisco VoIP Implementations

- Introducing VoIP Networks
- Benefits of Packet Telephony Networks
- Packet Telephony Components
- Analog Interfaces
- Digital Interfaces
- Stages of a Phone Call
- Distributed vs. Centralized Call Control

Digitizing and Packetizing Voice

- Basic Voice Encoding: Converting Analog to Digital
- Basic Voice Encoding: Converting Digital to Analog

Implement Cisco Auto QoS 5-1

- Cisco AutoQoS
- Cisco AutoQoS for the Enterprise: Router
 - Deployment Restrictions
 - Verifying Cisco AutoQoS

Mitigating Common Cisco AutoQoS Issues

- Automation with Cisco AutoQoS
- Common Cisco AutoQoS Issues
- Interpreting Cisco AutoQoS Configurations
- Modifying the Active Cisco AutoQoS Configuration with MQC

Implement Wireless Scalability

- Implementing WLAN QoS
- The Need for WLAN QoS
- WLAN QoS Description
- WLAN QoS Implementation
- WLAN QoS Configuration
- The Need for WLAN Security
- Security Methods—Authentication and Encryption
- Cisco Enhanced 802.11 WEP Security
- 802.1x Overview

LEAP: Cisco LEAP Authentication

- EAP-FAST: EAP-FAST Authentication
- EAP-US: EAP-TLS Authentication
- PEAP : EAP-PEAP Authentication
- Wi-Fi Protected Access
- Configuring Encryption and Authentication on
- Lightweight Access Points
- Open Authentication
- Web Authentication

- 802.1 x Authentication

Managing WLANs

- Cisco Unified Wireless Network
- Cisco WLAN Implementation
- Describing WLAN Components
- CiscoWorks WLSE

Cisco WCS

- Cisco WCS Location Tracking Options
- Cisco WCS System Features
- Cisco WCS Network Summary Page
- Cisco Wireless Location Appliance
- Cisco WCS Configuration Example
- Cisco WCS Maps
- Rogue Access Point Detection

Modalities

Venue: G4V Training School

Time: 9:00am - 5:00pm

Number of Days: 5 days

Fees: N220,000 - (\$1,572)

Dates: As agreed - (\$1,143)

Note: The fees includes full tuition and all course materials, lunch and examination.