Implementing Cisco SD-WAN Solutions (SDWAN300)

Course ID #: 7000-220-ZZ-Z

Hours: 28

Course Content

Course Description:

Cisco SD-WAN Overlay Network Examining Cisco SD-WAN Architecture Cisco SD-WAN Deployment Examining Cisco SD-WAN Deployment Options Deploying Edge Devices Deploying Edge Devices with Zero-Touch Provisioning Using Device Configuration Templates Redundancy, High Availability, and Scalability Cisco SD-WAN Routing Options Using Dynamic Routing Providing Site Redundancy and High Availability Configuring Transport-Side Connectivity Cisco SD-WAN Policy Configuration Reviewing Cisco SD-WAN Policy Defining Advanced Control Policies Defining Advanced Data Policies Implementing Application-Aware Routing Implementing Internet Breakouts and Network Address Translation (NAT) Cisco SD-WAN Migration and Interoperability Examining Cisco SD-WAN Hybrid Scenarios Performing a Migration Cisco SD-WAN Management and Operations Performing Day-2 Operations Performing Upgrades   Lab Outline Deploying Cisco SD-WAN Controllers Adding a Branch Using Zero Touch Provisioning (ZTP) Deploying Devices Using Configuration Templates Configuring Controller Affinity Implementing Dynamic Routing Protocols on Service Side Implementing Transport Location (TLOC) Extensions Implementing Control Policies Implementing Data Policies Implementing Application-Aware Routing Implementing Internet Breakouts Migrating Branch Sites Performing an Upgrade.

Course Objectives:

The Implementing Cisco Enterprise Advanced Routing and Services (ENARSI) v1.0 gives you the knowledge you need to install, configure, operate, and troubleshoot an enterprise network. This course covers advanced routing and infrastructure technologies, expanding on the topics covered in the Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.0 course.

This course helps prepare you to take the exam, Implementing Cisco® Enterprise Advanced Routing and Services (300-410 ENARSI), which leads to the new CCNP® Enterprise and Cisco Certified Specialist – Enterprise Advanced Infrastructure Implementation certifications.

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Target Audience:

System installers System integrators System administrators Network administrators Solutions designers.

Prerequisites:

You should have the following knowledge and skills before attending this course: Completion of the Cisco SD-WAN Operation and Deployment (ENSDW) course or equivalent experience Knowledge of Software-Defined Networking (SDN) concepts as applied to large-scale live network deployments Strong understanding of enterprise wide area network design Strong understanding of routing protocol operation, including both interior and exterior routing protocol operation Familiarity with Transport Layer Security (TLS) and IP Security (IPSec).