Designing Cisco Network Service Architectures v2.1

ARCH

Delivery Type: Classroom
Duration: 5 days

Overview

This course is designed to enable students to perform the conceptual, intermediate, and detailed design of a network infrastructure that supports desired networks solutions over intelligent network services, to achieve effective performance, scalability, and availability. ARCH enables learners applying solid Cisco network solution models and recommended design practices to provide viable, stable enterprise internetworking solutions. The course presents concepts and examples necessary to design converged enterprise networks. Advanced network infrastructure technologies, such as Virtual Private Networks (VPNs) and wireless communications are also covered.

Target Audience

This course is intended for individuals seeking the Cisco Certified Design Professional (CCDP) Certification and for those individuals aiming for the CCDE (Cisco Certified Design Expert) Certification.

Pre-Requisites
Attendees should meet the following prerequisites:

Before attending this course delegates must hold a valid CCNA and have taken and passed the DESGN course, attaining the CCDA.

Objectives
- **After you complete this course you will be able to:**

Discuss the Cisco Service Oriented Network Architecture (SONA) framework, and explain how it addresses enterprise network needs for performance, scalability, and availability.

Describe how the Cisco Enterprise Network model is used in the SONA framework for designing enterprise networks.

Create conceptual, intermediate, and detailed enterprise campus network, and enterprise edge and remote infrastructure designs that offer effective functionality, performance scalability, and availability

Create conceptual, intermediate, and detailed intelligent network service designs for networks management security and IP multicast

Create conceptual, intermediate, and detailed virtual private network (VPN) designs

Create conceptual, intermediate, and detailed voice over wireless network (VoWLAN) designs

Certification
Recommendedpreparation for exam(s):

642-873 ARCH – Designing Cisco Network Service Architectures

This course is part of the Cisco Certified Design Professional Certification (CCDP)

Follow on Courses
The following courses are recommended for further study:

If delegates are interested in the IP Telephony route, the IPTD course may be of some interest.