

Designing for Cisco Internetwork Solutions v2.1

DESIGN



Delivery Type: Classroom

Duration: 5 days

Overview

This is an instructor-led course designed to enable students to gather customer internet working requirements, identify solutions, and design the network infrastructure and elements to ensure the basic functionality of the proposed solutions. The purpose of this course is to provide students with the knowledge and skills to achieve associate level competency in network design. The DESGN course is the first course in a design curriculum that supports the design certification track. The course focuses on the technology and methods currently available.

Target Audience

This course is intended for pre-sales and post-sales network engineers involved in network design, planning and implementation. As well as individuals looking to attain the Cisco Certified Design Associate CCDA certification or the Cisco Certified Design Professional CDP certification.

Pre-Requisites

Delegates should meet the following prerequisites:

- ✓ A CCNA level of knowledge is recommended. CCNABC or ICND1 and ICND2 would provide the recommended level of knowledge.
- ✓ A slightly higher level of Switching knowledge is recommended. The SWITCH course provides that level of knowledge.

Objectives

- ✓ Discuss methodology in network design
- ✓ Describe how to structure and modularize the network design using the Cisco Network Architectures for the Enterprise
- ✓ Design the enterprise campus, and describe the architectural approach to the data center and virtualization market
- ✓ Design the enterprise edge and remote modules as needed
- ✓ Design a network addressing plan and select suitable routing protocols for a given network design

- ✓ Evaluate security solutions for the network
- ✓ Discuss voice and video networking considerations in the enterprise network design
- ✓ Recommend a design for a basic wireless solution

Certification

Recommended as preparation for exam(s):

- **640-864** - Designing for Cisco Internetwork Solutions
This course is part of the [CCDA](#) certification

Follow on Courses

The following courses are recommended for further study:

- ✓ [ROUTE](#) -Implementing Cisco IP Routing
- ✓ [ARCH](#) - Designing Cisco Network Architectures

These courses are all part of the Cisco Certified Design Professional (CCDP) Certification