

Cisco Certified Design Associate Bootcamp (CCDA)

Course Summary

Description

This boot camp style course focuses on general approaches and technologies for network design as well as promotes Cisco solutions in designing and implementing scalable internetworks. Among specific goals is the promotion of the new modular approach to network design that has been intuitively used for the last few years and that Cisco now wants to formalize. The new Enterprise Composite Model facilitates planning, designing, implementing, operating, and troubleshooting (PDIOT) networks by concentration on a certain module and on relations between the modules. Taking into account that most network solutions today (e.g. voice, video, storage networking, content networking) are typically overlay solutions spanning several modules, the composite modular approach seems even more relevant and is the main focus of this course.

Objectives

At the end of this course, students will be able to:

- Describe the principles of network design for building a network design solution
- Describe how the Enterprise Composite Network Model simplifies the complexity of modern networks
- Design the enterprise campus in a hierarchical modular fashion
- Design the enterprise WAN network
- Design a network addressing plan
- Select optimal routing protocols for the network
- Evaluate security solutions for the network
- Assess the design implications of voice transport across the network
- Recognize the network management criteria for the network

Topics

- Applying a Methodology to Network Design
- Structuring and Modularizing the Network
- Designing Basic Campus and Data Center Networks
- Designing Remote Connectivity
- Designing IP Addressing and Selecting Routing Protocols
- Evaluating Security Solutions for the Network
- Identifying Voice Networking Considerations
- Identifying Wireless Networking Considerations
- Implementing and Operating the Network Design

Audience

Students interested in taking the CCDA or CCDP Certification.

Prerequisites

- ICND1 and ICND2 or CCNA or equivalent working knowledge
- BCMSN

Duration

Five days

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