



Enhanced Network Solutions Group

Systems Integration • Learning Solutions • CIO Consulting
Managed Outsourcing • Healthcare Solutions • Security Solutions

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SWITCH Implementing Cisco Switched Networks

(Note: ROUTE/SWITCH and SWITCH/TSHOOT formats available for students who meet prerequisite skills; 10-12 hours per day, Mon-Sat)

SWITCH Rev 05.11

5 days

Description

This five-day course is designed to help students prepare for Cisco CCNP® certification. The SWITCH course is one of three components in the CCNP curriculum.

SWITCH is designed for network engineers with at least one year of professional work experience, who are ready to advance their skills and work independently on complex network solutions. Students will learn to plan, configure, and verify the implementation of complex enterprise switching solutions using Cisco's Campus Enterprise Architecture. The course also covers secure integration of VLANs, WLANs, voice, and video traffic into campus networks.

Prerequisites

- CCNA

Course Objectives

After completing this course, the learner will be able to meet these overall objectives:

- Analyze campus network designs
- Implement VLANs in a network campus
- Implement spanning tree
- Implement inter-VLAN routing in a campus network
- Implement a highly available network
- Implement high-availability technologies and techniques using multilayer switches
- Implement security features in a switched network
- Integrate WLANs into a campus network
- Accommodate voice and video in campus networks

Course Outline

Module 1: Analyzing Campus Network Designs

Module 2: Implementing VLANs in Campus Networks

Module 3: Implementing Spanning Tree

Module 4: Implementing Inter-VLAN Routing

Module 5: Implementing First Hop Redundancy in a Campus Environment

Module 6: Implementing a Highly Available Network

Module 7: Minimizing Service Loss and Data Theft in a Campus Network

Module 8: Integrating Wireless LANs into a Campus Network

Module 9: Accommodating Voice and Video in Campus Networks



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