



BUILDING TRAINING SOLUTIONS
FOR THE IT WORLD

Implementing Cisco IP Switched Networks (SWITCH)

Days: 5
Format: Instructor-Led
Class Code: SWITCH
Certification Exams: None
Certification Track: None

Recommended Course Sequence

Knowledge of prerequisites
noted below.

*Course content is subject to change
without notice.*

Course Description:

Implementing Cisco Switched Networks (SWITCH) v1.0 is a five-day instructor-led training course, designed to help students prepare to plan, configure, and verify the implementation of complex enterprise switching solutions for campus environments using the Cisco Enterprise Campus Architecture. These skills are validated in the Cisco CCNP®_ Routing and Switching certification, a professional-level certification specializing in the routing and switching field. This course is a component of the Cisco CCNP Routing and Switching curriculum. This course is designed to give students a firm understanding of how to manage switches in an enterprise campus environment. This training class reinforces the instruction by providing students with hands-on labs.

Target Student:

The course is appropriate for enterprise network engineers with at least one year of job experience who are ready to advance their skills and work independently on complex network solutions.

Prerequisites:

CCNA - [Cisco Certified Network Associate \(CCNA\) Version 2.0](#)

Course 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

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Course Outline

Lessons

- 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