

Implementing Cisco IP Switched Networks (SWITCH)

Duration: 5 Days

Who should attend

The primary audience for this course is as follows:

A network professional who will need to correctly implement switch-based solutions given a network design using Cisco IOS services and features. The typical job roles for this type of professional are network engineers, network operations center (NOC) technical support personnel, or help desk technicians.

The secondary audience for this course is as follows:

Any individual involved in network operations and support

Certifications

This course is part of the following Certifications:

- Cisco Certified Design Professional ([CCDP](#))
- Cisco Certified Network Professional ([CCNP](#))

Prerequisites

The knowledge and skills that a student must have before attending this course are as follows:

Knowledge and experience equivalent to having attended the Interconnecting Cisco Networking Devices Part 1 (ICND1) and Interconnecting Cisco Networking Devices Part 2 (ICND2) courses.

Course Objectives

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.

Course Content

Upon completing this course, the student 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 in a campus environment
- Implement security features in a switched network
- Integrate WLANs into a campus network
- Accommodate voice and video in campus networks