Implementing Cisco Switched Networks (SWITCH) v1.0

Vendor Course Code: SWITCH v1.0

Course Length: 5 days

Overview:

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 specialising 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.

Skills Gained:

Upon completing this course, the student will be able to meet these overall objectives:

- Analyse 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

Key Topics:

- Module 0: Course Overview
- Module 1: Analysing 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: Minimising 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

Target Audience:

The SWITCH course 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.

Prerequisites:

CCNA Certification or equivalent knowledge