Cisco Implementing Cisco IP Switched Networks (CCNP Switch) v2.0

Modality: On Demand

Duration: 13 Hours

This course prepares you for the 300-115 SWITCH Exam leading to 300-115 SWITCH Certification. This course does not include the Official Exam Voucher, however, you can request to purchase the Official Exam Voucher separately.

About this course:

The Implementing Cisco IP Switched Networks training is designed to help students prepare for Cisco CCNP(R) 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.

The average salary for a Network & Server Infrastructure specialist is **$105,000** per year.

Course Objective:

After completing this course, students will have a working understanding of:

- Network design
- Collapsed core option
- Switching methods.

Audience:

This course is intended for:

- Network Engineer

Prerequisites:

The knowledge and skills that a learner must have before attending this Curriculum are as follows:

- Describing network fundamentals
- Establishing Internet and WAN connectivity (IPv4 and IPv6)
- Managing network device security
- Operating a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshooting IP connectivity (IPv4 and IPv6)

- Configuring and troubleshooting EIGRP and OSPF (IPv4 and IPv6)
- Configuring devices for SNMP, Syslog, and NetFlow access
- Managing Cisco device configurations, Cisco IOS images, and licenses

Suggested prerequisites courses:

- Cisco CCENT/CCNA Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Cisco CCNA Interconnecting Cisco Networking Devices Part 2 (ICND2)

Course Outline:

- **Module 01 - Network Design**
- **Module 02 - CAN**
- **Module 03 - Spanning Tree**
- **Module 04 - Inter-VLAN Routing**
- **Module 05 - Advanced Switch Configuration Options**
- **Module 06 - L3 FHRP**
- **Module 07 - Security**