



CCNA Routing and Switching

Course Description and Scope:

This course focuses on the knowledge required to install, operate, configure, and troubleshoot basic IPv4 & IPv6 network, including LAN switch, IP router, connecting to a WAN, and identifying basic security threats.

At the end of this course candidates will be able to configure, implement, support and troubleshoot small & medium branch networks. This course help candidates to get prepared for the 200-120 CCNAX exam

Course Outcomes

At the end of this course, participants will be able to:

- Describe network fundamentals and build simple LANs
- Establish Internet connectivity
- Manage network device security
- Expand small- to medium-sized networks with WAN connectivity
- Pass the new CCNAX v2.0 Exam number: 200-120 CCNA

Course Content

The course covers the following topics included on the Cisco Certified Network Associate exam.

- Operation of IP Data Networks
- LAN Switching Technologies
- IP addressing (IPv4 / IPv6)
- IP Routing Technologies
- IP Services
- Network Device Security
- Troubleshooting
- WAN Technologies

Who Should Attend

This course is intended for network engineers and administrators who will install, operate and troubleshoot a small branch office Enterprise network. This is an entry level course and is ideal for those individuals new to networking and looking to start their Cisco Career Certification accreditation.

Pre-Requisites

Attendees should meet the following prerequisites:

- Basic Windows navigation and keyboard literacy skills
- Basic Internet usage skills
- Basic IP addressing knowledge