

CCNP Training

Course Content

Implementing Cisco IP Routing (300-101)

- 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

Implementing Cisco IP Switched Networks (300-115)

- Drawing Lines
- Introduction to Campus Networks
- Defining Virtual Networks (VLANs)
- Implementing Spanning Tree
- Implementing InterVLAN Routing
- Implement High Availability in a Campus Environment
- Wireless Client Access
- Minimizing Service Loss and Data Theft in a Campus Network
- Configuring Campus Switches to Support Voice

Troubleshooting and Maintaining Cisco IP Networks (300-135)

- Layer 2 switching
- VLANs, VLAN access control lists, port security
- Switch security issues
- Link aggregation protocols
- Spanning Tree Protocol (STP)
- Inter-VLAN routing solutions
- First Hop Redundancy Protocols (FHRPs) - HSRP, VRRP, and GLBP
- Branch office operations
- Enhanced Interior Gateway Routing Protocol (EIGRP)
- Open Shortest Path First (OSPF)
- Layer 3 path control