

Implementing Cisco Networking Devices (v1.1) ICND2

Vendor Course Code: ICND Part 2

Course Length: 5 days

Overview: This course focuses on providing the skills and knowledge necessary to install, operate and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security.

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Skills Gained: Upon completing this course, the learner will be able to meet these overall objectives.

- Review how to configure and troubleshoot a small network.
- Expand the switched network from a small LAN to a medium-sized LAN with multiple switches, supporting VLANs, Trunking and Spanning tree.
- Describe routing concepts as they apply to a medium-sized network and discuss considerations when implementing routing on the network.
- Configure, Verify and troubleshoot OSPF
- Configure, Verify and troubleshoot EIGRP
- Determine how to apply ACLs based on network requirements and to configure verify and troubleshoot ACLs on a medium-sized network.
- Describe when to use NAT or PAT and configure NAT or PAT on routers.
- Identify and implement the appropriate WAN technology based on network requirements.

Key Topics:

- Module 1 - Small Network Implementation
- Module 2 - Medium-Sized Switched Network Construction
- Module 3 - Medium-Sized Routed Network Construction
- Module 4 - Single Area OSPF Implementation
- Module 5 - EIGRP Implementation
- Module 6 - Access Control Lists
- Module 7 - Address Space Management
- Module 8 - LAN Extension in to a WAN

Target Audience:

- Network administrators responsible for implementing and managing small and medium business networks.
- Network support staff who will perform a help desk role in a medium or enterprise-sized company that has an internal network support escalation staff.
- Network support staff who will act as network device installers and first-line support in a small business environment.
- System engineers, account managers, channel partners/resellers and customers.
- CCNA, CCDA, CCNP, CCDP, CCIP and CCSP candidates.

Prerequisites:

- ICND part 1 Class or knowledge
- Basic computer literacy
- Basic knowledge of PC hardware configurations
- Basic understanding of networking business drivers