



HEROTEC

NETWORK PROFESSIONAL TRAINING

Interconnecting Cisco Networking Devices, Part 1 (ICND1) 2.0

Interconnecting Cisco Networking Devices, Part 2 (ICND2) 2.0

Related Certificate	CCNA
Course ID	ICND1 - ICND2
Related Exams	200-120
Audience	IT Professionals
Hours	80

Overview:

ICND1 v2.0 includes major updates and aligns to an updated blueprint. Several topics have been moved from ICND2 into ICND1, while some topics, such as RIP and wireless, have been removed from this course. Course content has been adapted to Cisco IOS Software Release 15 and technically updated. All configuration commands are introduced through examples and supported with lab exercises. All labs are developed with new pod topology and newer networking gear.

Objectives:

- Describe network fundamentals and build simple LANs
- Establish Internet connectivity
- Manage network device security
- Expand small to medium sized networks with WAN connectivity
- Describe IPv6 basics
- Operate a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshoot IP connectivity
- Configure and troubleshoot EIGRP in IPv4 environment, and configure EIGRP for IPv6 Configure and troubleshoot OSPF in IPv4 environment, and configure OSPF for IPv6 Define characteristics, functions and components of a WAN
- Describe SNMP, Syslog and Net flow, and manage Cisco device configurations, IOS images and licenses

Outlines:

- Building a Simple Network.
- Describe network fundamentals and build simple LANs.
- Describe IPv6 basics.
- Troubleshoot VLAN issues, explain how STP works, configure Ether Channel, and understand the idea behind Layer 3 redundancy.
- Establishing Internet Connectivity.
- Managing Network Device Security.
- Introducing IPv6 Building a Medium-Sized Network.
- Troubleshooting Basic Connectivity Wide Area Networks.
- Implementing an EIGRP-Based Solution.
- SNMP, syslog and NetFlow, and manage Cisco device configurations, IOS images, and licenses.
- Implementing a Scalable OSPF-Based Solution Network Device Management.

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