



Cisco's New CCNA Concentrations



Cisco Certified Network Associate (CCNA) – CCNA Basics Bootcamp

General:

The Interconnecting Cisco Network Devices (ICND 1.0 and ICND 2.0) course presents the concepts, commands, and practice required to configure Cisco switches and routers in multiprotocol internetworks. Through lectures, discussions, demonstrations, exercises, and laboratory projects, students are given information sufficient to identify and recommend the best Cisco solutions for small to medium-sized businesses. Students perform all basic configuration procedures to build a multirouter, multigroup internetwork that uses LAN and WAN interfaces for the most commonly used routing and routed protocols. ICND provides the installation, configuration, and troubleshooting information that technical support people require to install and configure Cisco products. The course is updated to cover all the new 640-802 exam objectives, such as security, wireless, IPv6, and troubleshooting.

Course material has been written in English language. Lectures are in Dutch language (default).

The course aims at passing CISCO exam 640-802 (CCNA). It also prepares candidates for the ICND1 (640-822) and ICND2 (640-816) exams. Courseware and preparation materials for the exams are included.

Topics:

- Determine in which situations a hub, Ethernet switch, or router would be more appropriately used;
- Use Cisco software to identify addresses, protocols, and connectivity status in a network containing multiple interconnected Cisco devices;
- Interconnect Cisco switches and routers according to a given network design specification;
- Configure Cisco switches and routers to support a specified list of protocols and technologies;
- Configure access lists to control access to network devices or segments and general network traffic;
- Verify that Cisco switches and routers, as well as their configured network services and protocols, operate as intended within a given network specification.

Prerequisites:

Basic knowledge of data networking equivalent to the material found in Cisco's Internetworking Technology Multimedia CD-ROM (ITM).

Who should attend this course:

- CCNA candidates;
- CCENT candidates;
- CCNP candidates.



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Course description:

- **Getting Started with Cisco Networks.**
Introduces students to the Cisco IOS user interface, various hardware interfaces and associated issues of cabling and physical connectivity:
 - Course Introduction;
 - Selecting Cisco Network Devices;
 - Assembling and Cabling Cisco Network Devices;
 - Operating and Configuring a Cisco IOS Device;
 - Managing Your Network Environment.
- **Interconnecting Cisco Switches.**
Discusses switch fundamentals in a networked environment:
 - Catalyst Switch Operations;
 - Extending Switch Functionality.
- **Interconnecting Cisco Routers.**
Focuses on routed and routing protocols supported by Cisco IOS software. - Configuring IP Addressing:
 - Adding Basic IP Routing Protocols;
 - Basic IP Traffic Management with Access Lists;
 - Configuring Novell IPX.
- **Extending the Network to WANs.**
Instructs the student on methods of connecting to wide area-networks:
 - Establishing Serial Point-to-Point Connections;
 - Completing an ISDN BRI Call;
 - Establishing a Frame Relay PVC Connection.
- **Appendices:**
 - Appendix A: AppleTalk;
 - Appendix B: HyperTerm;
 - Appendix C: Switch Management Tools;
 - Appendix D: 700 Series Access Routers.

Length of the course:

6 days (2 x 3 days)

Assessment:

Cisco exam 640-802