Cisco® Interconnecting Cisco® Networking Devices Part 1 v3.0 (ICND1)

Overview

Students will learn how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configuring an IP router, connecting to a WAN, and identifying basic security threats.

Course Outline

Building a Simple Network
Exploring the Functions of Networking
Understanding the Host-to-Host Communication
Introducing LANs
Operating Cisco IOS Software
Starting a Switch
Understanding Ethernet and Switch
Troubleshooting Common Switch Media

Establishing Internet Connectivity
Understanding the TCP/IP Internet
Addressing and Subnets
Understanding the TCP/IP Transport
Exploring the Functions of Routing
Configuring a Cisco Router
Exploring the Packet-Delivery Proce...
Enabling Static Routing
Managing Traffic Using ACLs
Enabling Internet Connectivity

Managing Network Device Security
Securing Administrative Access
Implementing Device Hardening
Implementing Traffic Filtering

Register Online

Schedule

Class Length: 5 Days

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Building a Medium-Sized Network
Implementing VLANs and Trunks
Routing Between VLANs
Using a Cisco Network Device
Introducing WAN Technologies
Introducing Dynamic Routing Protocol
Implementing OSPF

Introducing IPv6
Introducing basic IPv6
Understanding IPv6
Configuring IPv6 Routing

ICND1 Superlab
ICND1 Superlab

Related Courses, Certifications, Exams

- Cisco® Interconnecting Cisco® Networking Devices Part 2 v3.0 (ICND2)
- Cisco® Implementing Cisco® IP Routing v2.0 (ROUTE)
- Cisco® Implementing Cisco® Switched Networks v2.0 (SWITCH)
- Cisco® Troubleshooting and Maintaining Cisco® IP Networks v2.0 (TSHOOT)
- Cisco Certified Entry Networking Technician (CCENT)
- Cisco Certified Network Associate Security (CCNA Security)
- Cisco Certified Network Associate Voice (CCNA Voice)
- Cisco Certified Network Associate Wireless (CCNA Wireless)
- Cisco Certified Network Associate (CCNA) Routing and Switching
- Cisco Certified Network Associate in Service Provider (CCNA)
- 100-101 ICND1 - Cisco Certified Network Associate (CCNA) Routing and Switching