

ICND1 - Interconnecting Cisco Networking Devices Part 1

Duration: 5 days

Overview:

Build skills to operate a modern TCP/IP network built with Cisco hardware as you prepare for the CCENT certification exam (100-101 ICND1). In this course, you 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. You will prepare for the entry-level CCENT certification, which is the foundation for Cisco associate-level certifications and beyond.

Lab 1-1: Switch Startup and Initial Configuration

Lab 1-2: Troubleshoot Switch Media Issues

Lab 2-1: Router Setup and Initial Configuration

Lab 2-2: Configure a Static Route, DHCP, and Network Address Translation

Lab 3-1: Enhance the Security of Router and Switch Configuration

Lab 3-2: Device Hardening

Lab 3-3: Filter Traffic with ACLs

Lab 3-4: Enhanced - Troubleshoot ACLs

Lab 4-1: Configure an Expanded Switched Network

Lab 4-2: Configure DHCP Server

Lab 4-3: Implement Single-Area OSPF

Lab 5-1: Configure Basic IPv6

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Lab 5-2: Implement IPv6 Stateless Auto-Configuration

Lab 5-3: Implement IPv6 Routing

Lab 6-1: ICND1 Super Lab