



Cisco Certified Network Professional CCNP Track

104 Hours

Special Offer: Enroll Now to get the CCNP Exam Prep Free

Course Overview

Cisco Certified Network Professional (CCNP®) validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions. The CCNP certification is appropriate for those with at least one year of networking experience who are ready to advance their skills and work independently on complex network solutions. Those who achieve CCNP have demonstrated the skills required in enterprise roles such as network technician, support engineer, systems engineer or network engineer.

Target Audience:

Networking Professionals and Internetworking Professionals.

Prerequisites:

Valid CCNA certification or any CCIE Certification can act as a pre-requisite.

Course Outline

CCNP Route (Implementing Cisco IP Routing) Exam# 642-902 ROUTE

Chapter 1 Characteristics of Routing Protocols

Chapter 2 Remote Site Connectivity

Chapter 3 IPv6 Review and RIPng

Chapter 4 Fundamental EIGRP Concepts

Chapter 5 Advanced EIGRP Concepts

Chapter 6 EIGRP for IPv6 and Named EIGRP



- Chapter 7 Fundamental OSPF Concepts 259
- Chapter 8 The OSPF Link-State Database
- Chapter 9 Advanced OSPF Concepts
- Chapter 10 Route Redistribution
- Chapter 11 Route Selection
- Chapter 12 Fundamentals of Internet Connectivity
- Chapter 13 Fundamental BGP Concepts
- Chapter 14 Advanced BGP Concepts
- Chapter 15 IPv6 Internet Connectivity
- Chapter 16 Fundamental Router Security Concepts
- Chapter 17 Routing Protocol Authentication
- Chapter 18 Final Preparation

CCNP Switch (Implementing Cisco IP Switched Networks) Exam# 642-813 SWITCH

- Chapter 1 Enterprise Campus Network Design
- Chapter 2 Switch Operation
- Chapter 3 Switch Port Configuration
- Chapter 4 VLANs and Trunks
- Chapter 5 VLAN Trunking Protocol
- Chapter 6 Traditional Spanning Tree Protocol
- Chapter 7 Spanning-Tree Configuration
- Chapter 8 Protecting the Spanning Tree Protocol Topology
- Chapter 9 Advanced Spanning Tree Protocol
- Chapter 10 Aggregating Switch Links
- Chapter 11 Multilayer Switching





Chapter 12 Configuring DHCP

Chapter 13 Logging Switch Activity

Chapter 14 Managing Switches with SNMP

Chapter 15 Monitoring Performance with IP SLA

Chapter 16 Using Port Mirroring to Monitor Traffic

Chapter 17 Understanding High Availability

Chapter 18 Layer 3 High Availability

Chapter 19 Securing Switch Access

Chapter 20 Securing VLANs

Chapter 21 Preventing Spoofing Attacks

Chapter 22 Managing Switch Users

Chapter 23 Final Preparation

CCNP Tshoot (Troubleshooting and Maintaining Cisco IP Switched Networks) Exam # 642-832 TSHOOT

Chapter 1 Introduction to Troubleshooting and Network Maintenance

Chapter 2 Troubleshooting and Maintenance Tools

Chapter 3 Troubleshooting Device Performance

Chapter 4 Troubleshooting Layer 2 Trunks, VTP, and VLANs

Chapter 5 Troubleshooting STP and Layer 2 EtherChannel

Chapter 6 Troubleshooting Inter-VLAN Routing and Layer 3 EtherChannels

Chapter 7 Troubleshooting Switch Security Features

Chapter 8 Troubleshooting First-Hop Redundancy Protocols

Chapter 9 Troubleshooting IPv4 Addressing and Addressing Technologies

Chapter 10 Troubleshooting IPv6 Addressing and Addressing Technologies

Chapter 11 Troubleshooting IPv4 and IPv6 ACLs and Prefix Lists

Chapter 12 Troubleshooting Basic IPv4/IPv6 Routing and GRE Tunnels



Chapter 13 Troubleshooting RIPv2 and RIPv6

Chapter 14 Troubleshooting EIGRP

Chapter 15 Troubleshooting OSPF

Chapter 16 Troubleshooting Route Maps and Policy-Based Routing

Chapter 17 Troubleshooting Redistribution

Chapter 18 Troubleshooting BGP

Chapter 19 Troubleshooting Management Protocols and Tools

Chapter 20 Troubleshooting Management Access

Chapter 21 Additional Trouble Tickets

Chapter 22 Final Preparation



ENGO SOFT

