



Curso CCNA

TEMARIO 200-301

Modulo 1

1. Introduction to Networking

- 1.1. Chapter 1 Introduction to TCP/IP Networking
- 1.2. Chapter 2 Fundamentals of Ethernet LANs
- 1.3. Chapter 3 Fundamentals of WANs and IP Routing

2. Implementing Ethernet LANs

- 2.1. Using the Command-Line Interface
- 2.2. Analyzing Ethernet LAN Switching
- 2.3. Configuring Basic Switch Management
- 2.4. Configuring and Verifying Switch Interfaces

3. Implementing VLANs and STP

- 3.1. Implementing Ethernet Virtual LANs
- 3.2. Spanning Tree Protocol Concepts
- 3.3. RSTP and EtherChannel Configuration

4. IPv4 Addressing

- 4.1. Perspectives on IPv4 Subnetting
- 4.2. Analyzing Classful IPv4 Networks
- 4.3. Analyzing Subnet Masks
- 4.4. Analyzing Existing Subnets

5. IPv4 Routing

- 5.1. Operating Cisco Routers
- 5.2. Configuring IPv4 Addresses and Static Routes
- 5.3. IP Routing in the LAN
- 5.4. Troubleshooting IPv4 Routing

6. OSPF

- 6.1. Understanding OSPF Concepts
- 6.2. Implementing OSPF
- 6.3. OSPF Network Types and Neighbors

7. IP Version 6

- 7.1. Fundamentals of IP Version 6
- 7.2. IPv6 Addressing and Subnetting
- 7.3. Implementing IPv6 Addressing on Routers
- 7.4. Implementing IPv6 Routing

8. Wireless LANs

- 8.1. Fundamentals of Wireless Networks
- 8.2. Analyzing Cisco Wireless Architectures
- 8.3. Securing Wireless Networks
- 8.4. Building a Wireless LAN

Modulo 2

9. IP Access Control Lists

- 9.1. Introduction to TCP/IP Transport and
- 9.2. Basic IPv4 Access Control Lists
- 9.3. Advanced IPv4 Access Control Lists

10. Security Services

- 10.1. Security Architectures
- 10.2. Securing Network Devices
- 10.3. Implementing Switch Port Security
- 10.4. Implementing DHCP
- 10.5. DHCP Snooping and ARP Inspection

11. IP Services

- 11.1. Device Management Protocols
- 11.2. Quality of Service (QoS)
- 11.3. Miscellaneous IP Services

12. Network Architecture

- 12.1. LAN Architecture
- 12.2. WAN Architecture
- 12.3. Cloud Architecture

13. Network Automation

- 13.1. Introduction to Controller-Based
- 13.2. Cisco Software-Defined Access (SDA)
- 13.3. Understanding REST and JSON
- 13.4. Understanding Ansible, Puppet, and Chef

14. Course review and exam questions