Cisco CCNA: 200-301

Structured technical training and certification preparation

A practical, student-friendly outline covering exploring the Functions of Networking, introducing the Host-To-Host Communications Model, introducing LA...

MODULES
28

LESSONS
152

FORMAT
Self-paced

Module Breakdown

MODULE 1

Exploring the Functions of Networking

Course Introduction
Instructor Introduction
Exploring the Functions of Networking Pt 1
Exploring the Functions of Networking Pt 2

MODULE 2

Introducing the Host-To-Host Communications Model

Introducing the Host-To-Host Communications Model Pt 1
Introducing the Host-To-Host Communications Model Pt 2

MODULE 3

Introducing LANs

Introducing LANs
Get Started with CLI Demo Pt 1
Get Started with CLI Pt Demo 2
Adding Descriptions to Interfaces Demo
Configure Gateway on a Switch Demo
Visualize Interfaces and Statistics Demo
Show Version Command Demo
CDP Demo

MODULE 4

Exploring the TCP/IP Link Layer

Exploring the TCP-IP Link Layer Pt 1
Exploring the TCP-IP Link Layer Pt 2

Module Breakdown (continued)

MODULE 5

Subnetting

Subnetting Pt 1
Subnetting Pt 2
Subnetting Pt 3
Subnetting Pt 4
Subnetting Pt 5
Subnetting Pt 6

MODULE 6

Explaining the TCP/IP Transport Layer and Application Layer

Explaining the TCP-IP Transport Layer and Application Layer Pt 1
Explaining the TCP-IP Transport Layer and Application Layer Pt 2
Explaining the TCP-IP Transport Layer and Application Layer Pt 3

MODULE 7

Exploring the Functions of Routing

Exploring the Functions of Routing Pt 1
Exploring the Functions of Routing Pt 2
Exploring the Functions of Routing Pt 3
Configuring RIP Demo
EIGRP Demo Pt 1
EIGRP Demo Pt 2

MODULE 8

Exploring the Packet Delivery Process

Exploring the Packet Delivery Process

MODULE 9

Troubleshooting a Simple Network

Troubleshooting a Simple Network

MODULE 10

Introducing Basic IPv6

Introducing Basic IPv6 Pt 1
Introducing Basic IPv6 Pt 2
Introducing Basic IPv6 Pt 3
Introducing Basic IPv6 Pt 4
Introducing Basic IPv6 Pt 5
Introducing Basic IPv6 Pt 6
Introducing Basic IPv6 Pt 7
Introducing Basic IPv6 Pt 8
IPV6 Basic Configuration and SLAAC Demo Pt 1
IPV6 Basic Configuration and SLAAC Demo Pt 2
IPV6 Routing Demo Pt 1
IPV6 Routing Demo Pt 2
IPV6 Static Routes Demo

MODULE 11

Configuring Static Routing

Configuring Static Routing
Static Routes Demo

MODULE 12

Implementing VLANs and Trunks

Implementing VLANs and Trunks Pt 1
Implementing VLANs and Trunks Pt 2
Implementing VLANs and Trunks Pt 3
Implementing VLANs and Trunks Pt 4
Spanning-tree Protocol Demo Pt 1
Spanning-tree Protocol Demo Pt 2
Spanning-tree Protocol Demo Pt 3

Module Breakdown (continued)

MODULE 13

Routing Between VLANs

Routing Between VLANs
Inter VLAN Routing Demo

MODULE 14

Introducing OSPF

Introducing OSPF Pt 1
Introducing OSPF Pt 2
Introducing OSPF Pt 3
Introducing OSPF Pt 4
OSPF Single Area Demo Pt 1
OSPF Single Area Demo Pt 2
OSPF Multiple Area Demo Pt 1
OSPF Multiple Area Demo Pt 2

MODULE 15

Building Redundant Switched Topologies

Building Redundant Switched Topologies Pt 1
Building Redundant Switched Topologies Pt 2

MODULE 16

Improving Redundant Switched Topologies with EtherChannel

Improving Redundant Switched Topologies with Ether Channel Pt 1
Improving Redundant Switched Topologies with Ether Channel Pt 2
Configuring Ether Channel Demo

MODULE 17

Exploring Layer 3 Redundancy

Exploring Layer 3 Redundancy

MODULE 18

Introducing WAN Technologies

Introducing WAN Technologies Pt 1
Introducing WAN Technologies Pt 2
Introducing WAN Technologies Pt 3
Introducing WAN Technologies Pt 4
Introducing WAN Technologies Pt 5
Introducing WAN Technologies Pt 6

MODULE 19

Explaining Basics of ACL

Explaining Basics of ACL Pt 1
Explaining Basics of ACL Pt 2
Explaining Basics of ACL Pt 3

MODULE 20

Enabling Internet Connectivity

Enabling Internet Connectivity
DHCP Demo
Static NAT Demo
PAT Using Specific IP Demo
PAT Using IP of Interface Demo

MODULE 21

Introducing QoS

Introducing QoS Pt 1
Introducing QoS Pt 2
Introducing QoS Pt 3
Introducing QoS Pt 4
Introducing QoS Pt 5

MODULE 22

Introducing Architectures and Virtualization

Introducing Architectures and Virtualization Pt 1
Introducing Architectures and Virtualization Pt 2
Introducing Architectures and Virtualization Pt 3
Introducing Architectures and Virtualization Pt 4

Module Breakdown (continued)

MODULE 23

Introducing System Monitoring

Introducing System Monitoring Pt 1
Introducing System Monitoring Pt 2
Introducing System Monitoring Pt 3

MODULE 24

Managing Cisco Devices

Managing Cisco Devices Pt 1
Managing Cisco Devices Pt 2
NTP Demo
Syslog Demo

MODULE 25

Examining the Security Threat Landscape

Examining the Security Threat Landscape Pt 1
Examining the Security Threat Landscape Pt 2

MODULE 26

Implementing Threat Defense Technologies

Implementing Threat Defense Technologies Pt 1
Implementing Threat Defense Technologies Pt 2
Implementing Threat Defense Technologies Pt 3
Implementing Threat Defense Technologies Pt 4
Implementing Threat Defense Technologies Pt 5
Authentication Protocols Demo Pt 1
Authentication Protocols Demo Pt 2
Device Hardening Demo Pt 1
Device Hardening Demo Pt 2
Device Hardening Demo Pt 3
Port Security Demo

MODULE 27

Exam Preparation

Exam Prep Tips

MODULE 28

Practice Demos

Get Started with CLI Demo Pt 1
Get Started with CLI Pt Demo 2
Adding Descriptions to Interfaces Demo
Configure Gateway on a Switch Demo
Visualize Interfaces and Statistics Demo
Show Version Command Demo
CDP Demo
Static Routes Demo
DHCP Demo
Static NAT Demo
PAT Using Specific IP Demo
PAT Using IP of Interface Demo
Configuring RIP Demo
Configuring Ether Channel Demo
Inter VLAN Routing Demo
Spanning-tree Protocol Demo Pt 1
Spanning-tree Protocol Demo Pt 2
Spanning-tree Protocol Demo Pt 3

Module Breakdown (continued)

MODULE 28

Practice Demos (continued)

EIGRP Demo Pt 1
EIGRP Demo Pt 2
Authentication Protocols Demo Pt 1
Authentication Protocols Demo Pt 2
NTP Demo
Syslog Demo
Device Hardening Demo Pt 1
Device Hardening Demo Pt 2
Device Hardening Demo Pt 3
Port Security Demo
OSPF Single Area Demo Pt 1
OSPF Single Area Demo Pt 2
OSPF Multiple Area Demo Pt 1
OSPF Multiple Area Demo Pt 2
IPV6 Basic Configuration and SLAAC Demo Pt 1
IPV6 Basic Configuration and SLAAC Demo Pt 2
IPV6 Routing Demo Pt 1
IPV6 Routing Demo Pt 2

MODULE 28

Practice Demos (continued)

IPV6 Static Routes Demo