

NETWORKING FUNDAMENTALS

- IP Addressing: Overview
- IP Addressing: IPv4 Subnetting Review
- IP Addressing: VLSM
- IP Addressing: IPv6 Basics And Address Types
- IP Addressing: IPv6 Configuration

NETWORKING FUNDAMENTALS

- Networking Components: Overview
- Networking Components: Routers And Switches
- Networking Components: NEXT GENERATION FW And IPS
- Networking Components: Cisco DNA Center
- Networking Components: WLCs And Access Points
- Networking Components: Servers And Endpoints

Networking Topology Architectures

- DATA CENTER: 2 TIER, 3 TIER, SPINE & LEAF
- Networking Topology Architectures: WAN
- Networking Topology Architecture: Cloud on premises

NETWORK ACCESS

- Cisco Switching: Basic Concepts
- Cisco Switching: concept of VLAN & Configurations
- Cisco Switching: Interswitch Connectivity & native VLAN
- Cisco Switching: L2 Discovery Protocols
- Cisco Switching: L2 & L3 Ether-channel Configuration
- Cisco Switching: Spanning Tree Protocol Basics
- Cisco Switching: STP Operations
- Cisco Switching: STP Configuring R-PVST plus
- Cisco Switching: STP Port-fast and BPDU-guard

IP CONNECTIVITY

- IP Connectivity: Routing Basics
- IP Connectivity: IPv4 Static, Default Route
- IP Connectivity: IPv4 Static Host, Floating Routes

IP Connectivity: IPv6 Static, Default Route
IP Connectivity: IPv6 Static Host, Floating Routes
IP Connectivity: Dynamic Routing Basics
IP Connectivity: Single Area OSPFv2
IP Connectivity: First Hop Redundancy Protocols

SECURITY FUNDAMENTALS

Intro To AAA Security
Confi-iguring And Verifying Standard ACLs
Confi-iguring And Verifying Extended ACLs
Con-figuring And Verifying Named ACLs
Con-figuring Port Security-Static
Con-figuring Port Security-Sticky
Con-figuring DHCP Snooping And DAI

IP SERVICES

Intro To AAA Security
Confi-iguring And Verifying Standard ACLs
Confi-iguring And Verifying Extended ACLs
Con-figuring And Verifying Named ACLs
Con-figuring Port Security-Static
Con-figuring Port Security-Sticky
Con-figuring DHCP Snooping And DAI

Overview of Wireless

Cisco Wireless Basics
Cisco Wireless Architecture
Cisco WLAN Components & con-figuration
Cisco Wireless Management Access

AUTOMATION AND PROGRAMMABILITY

Automation And Programmability Overview
Intro To Network Programmability
Intro To SDN Architectures
Intro To API Concepts
Intro To REST-Based APIs