

Building Scalable Cisco Internetworks

Configuring EIGRP

- Introducing EIGRP
- Implementing and Verifying EIGRP
- Configuring Advanced EIGRP Options
- Configuring EIGRP Authentication
- Using EIGRP in an Enterprise Network
- Lab: Basic Configuration
- Lab: Configuring and Tuning EIGRP

Configuring OSPF

- Introducing the OSPF Protocol
- OSPF Packet Types
- Configuring OSPF Routing
- OSPF Network Types
- Lab: Configuring Single-Area OSPF
- Link State Advertisements
- Configuring OSPF Route Summarization
- Configuring OSPF Special Area Types
- Configuring OSPF Authentication
- Lab: Configuring OSPF for Multiple Areas and Frame Relay Nonbroadcast
- Lab: Configuring OSPF for Multiple Areas and Frame Relay Point-to-Multipoint and Point-to-Point
- Lab: Tuning OSPF

The IS-IS Protocol

- Introducing IS-IS and Integrated IS-IS Routing
- IS-IS Routing Operation
- Configuring Basic Integrated IS-IS
- Lab: Configuring Integrated IS-IS

Manipulating Routing Updates

- Operating a Network Using Multiple IP Routing Protocols
- Configuring and Verifying Route Redistribution
- Controlling Routing Update Traffic
- Implementing Advanced IOS Features: Configuring DHCP
- Lab: Configuring Basic Redistribution
- Lab: Tuning Basic Redistribution with Cisco IOS Tools

Configuring Basic BGP

- Explaining BGP Concepts and Terminology
- Explaining EBGP and IBGP
- Configuring Basic BGP Operations
- Lab: Configuring Multihome BGP
- Selecting a BGP Path
- Using Route Maps to Manipulate Basic BGP Paths
- Lab: Manipulating BGP Path Selection with Route Maps

Implementing IP Multicast

- Explaining Multicast
- IGMP and Layer 2 Issues
- Explaining Multicast Routing Protocols
- Multicast Configuration and Verification
- Lab: Configuring Multicast Routing

Implementing IPv6

- Introducing IPv6
- Defining IPv6 Addressing
- Implementing Dynamic IPv6 Addresses
- Using IPv6 with OSPF and Other Routing Protocols
- Using IPv6 with IPv4
- Lab: Configuring IPv6 Addresses
- Lab: Enabling IPv6 OSPF Routing
- Lab: Configuring IPv6 Tunnels