

MRGT

Mature Resources Global
Technologies Pvt. Ltd.

CCNA - Routing and Switching

Course Outline

- Building Simple Network
- Establishing Internet Connectivity
- Summary Challenge
- Building a Medium-sized Network
- Network Device Management and Security
- Summary Challenge
- Introducing IPv6
- Implement Scalable Medium-Sized Networks
- Troubleshooting Basic Connectivity
- Implementing an EIGRP-Based Solution
- Summary Challenge
- Implement a Scalable OSPF-Based Solution
- Wide-Area Networks
- Network Device Management and Security
- Summary Challenge
- Labs:
- Discovery Lab 1: Get Started with Cisco CLI
- Discovery Lab 2: Perform Basic Switch Configuration
- Discovery Lab 3: Observe How a Switch Operates
- Discovery Lab 4: Troubleshoot Switch Media and Port Issues
- Discovery Lab 5: Inspect TCP/IP Applications
- Discovery Lab 6: Start with Cisco Router Configuration
- Discovery Lab 7: Configure Cisco Discovery Protocol
- Discovery Lab 8: Configure Default Gateway
- Discovery Lab 9: Exploration of Packet Forwarding
- Discovery Lab 10: Configure and Verify Static Routes
- Discovery Lab 11: Configure and Verify ACLs
- Discovery Lab 12: Configure a Provider-Assigned IP Address
- Discovery Lab 13: Configure Static NAT
- Discovery Lab 14: Configure Dynamic NAT and
- Discovery Lab 15: Troubleshoot NATDiscovery
- Lab 16: Configure VLAN and Trunk
- Discovery Lab 17: Troubleshoot VLANs and Trunks
- Discovery Lab 18: Configure Root Bridge and Analyze STP Topology
- Discovery Lab 19: Troubleshoot STP Issues



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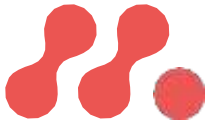
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- Discovery Lab 20: Configure and Verify EtherChannel
- Discovery Lab 21: Configure a Router on a Stick
- Discovery Lab 22: Configure a Cisco Router as a DHCP Server
- Discovery Lab 23: Troubleshoot DHCP Issues
- Discovery Lab 24: Configure and Verify HSRP
- Discovery Lab 25: Troubleshoot HSRP
- Discovery Lab 26: Configure and Verify RIPv2
- Discovery Lab 27: Troubleshoot RIPv2
- Discovery Lab 28: Configure Basic IPv6 Connectivity
- Discovery Lab 29: Configure IPv6 Static Routes
- Discovery Lab 30: Use Troubleshooting Tools
- Discovery Lab 31: Configure and Verify IPv4 Extended Access Lists
- Discovery Lab 32: Troubleshoot IPv4 Network Connectivity
- Discovery Lab 33: Configure and Verify IPv6 Extended Access Lists
- Discovery Lab 34: Troubleshoot IPv6 Network Connectivity
- Discovery Lab 35: Enhance Security of Initial Configuration
- Discovery Lab 36: Limit Remote Access Connectivity
- Discovery Lab 37: Configure and Verify Port Security
- Discovery Lab 38: Configure and Verify NTP
- Discovery Lab 39: Configure External Authentication Using RADIUS and ACACS+
- Discovery Lab 40: Configure and Verify EIGRP
- Discovery Lab 41: Configure and Verify EIGRP for IPv6
- Discovery Lab 42: Troubleshoot EIGRP
- Discovery Lab 43: Configure and Verify Single-Area OSPF
- Discovery Lab 44: Configure and Verify Multiarea OSPF
- Discovery Lab 45: Configure and Verify OSPFv3
- Discovery Lab 46: Troubleshoot Multiarea OSPF
- Discovery Lab 47: Configure Serial Interface and PPP
- Discovery Lab 48: Configure and Verify MLP
- Discovery Lab 49: Configure and Verify PPPoE Client
- Discovery Lab 50: Configure and Verify GRE Tunnel
- Discovery Lab 51: Configure and Verify Single Homed EBGp

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