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What is Interconnecting Cisco Networking Devices Part 2?

This 5-day instructor-led Interconnecting Cisco Networking Devices Course enhances applicable knowledge of how to manage, install, operate, and configure IPv4 and IPv6 Networks, WAN Networks, DNS, and Dynamic Host Configuration Protocols (DHCP). Building upon knowledge obtained during the Cisco Part 1 Course, this training course will develop a deeper level of knowledge and appreciation of how to implement/perform troubleshooting techniques to overcome small-medium network issues. Covering a broad range of topics, from Single Area OSPFs to LAN Extensions and larger scale WANs, individuals will learn how to manage work-based networks - providing the perfect knowledge platform in which to build upon by completing further CCNA Certifications. Individuals will graduate from this course with an advanced understanding of techniques required to initiate network interconnectivity, whilst further enhancing their CCNA qualification repertoire - demonstrating a support technician's professional competence. This Cisco Part 2 course offers a comprehensive overview of managing interconnected networks, whilst allowing a candidate to initiate and implement secure network systems with confidence in their associated business environment.

Who is this Cisco Course intended for?

- Interconnecting Cisco Networking Devices Part 1 Qualified or equivalent Technicians
- Individuals involved in the installation, verification, and preservation of LAN and WAN Networks
- Support or IT Technicians
- IT Help-desk staff

Interconnecting Cisco Networking Devices Part 2 Exam Details

- 45-Question Exam
- 90 minutes
- Closed Book
- Tests a delegates awareness of LAN Switching, WAN Implementation, Routing Technologies and differing Network infrastructures

What's included in the fee?

- Comprehensive Cisco Exam Guidance
- Cisco Course Materials
- Hardware
- Tuition from a highly experienced Cisco tutor
- Certificate
- Exam Fee
- Refreshments

Course Objectives

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- Reviewing and Confirming knowledge of how to Install and Operate IP Data Networks
- Support VLANs and Trunking requirements
- Be able to discuss router variations and considerations when implementing new networks
- Establish and Maintain Internet Connectivity
- OSPF Troubleshooting and problem solving
- EIGRP Troubleshooting and problem solving
- NAT v PAT Configurations
- Configure and Verify IPv6 and IPv4
- Build Multiple Cisco Switch LANs
- Manage Network Security
- Implement IPv6 and IPv4 Simultaneously
- Utilising and implementing WANs

During this broad and comprehensive Cisco Course, individuals will learn about:

- Implementing Small-Medium Networks
- Switched Network Construction - Multiple and Singular
- Single Area OSPFs
- LAN Extensions
- Implementing WAN
- Spanning Tree Protocols

IP Data Network Operations

- Routers, bridges, and hubs
- Meeting network requirements
- Data Flow between networks

LAN Switching Technologies

- Ethernet Networks
- Advanced Cisco switching concepts such as collision domains and switching methods including Store, forward, and CAM Tables
- Configure Remote Access Management Systems
- Console and VTY Logins
- Configuring and Routing VLANs

IP Address Configuration

- IPv4 Private and Public IPs
- IPv6 Addresses - Unicast, Multicast, EUI 64, and Autoconfiguration
- Meeting LAN/WAN Requirements
- VLSM
- Dual Stacks - simultaneously running IPv6 and IPv4

IP Routers

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- Ethernet Operations
- Router Configurations
- Static v Dynamic Routers
- InterVLAN Routers - upstream routing

IP Admin

- Configuring DHCP
- ACL Applications - configuring and verifying
- NAT Operations - Static and Overloading
- Client NTP

Network Device Safety

- Implementing Security Features - Passwords and MAC Addresses
- Secret v Enable
- VTYs
- Shutting down non-utilised port VLANs

Troubleshooting

- Resolving VLAN Issues
- Cisco Switch Trunking
- Overcoming Layer 1 and ACL Issues
- Permitting Networks

This 5-day instructor-led Interconnecting Cisco Networking Devices Course enhances applicable knowledge of how to manage, install, operate, and configure IPv4 and IPv6 Networks, WAN Networks, DNS, and adhere to Dynamic Host Configuration Protocols (DHCP)