



CCNA Syllabus

Introduction to Networking

1. OSI Reference Model
2. TCP/IP Model
3. Ethernet Technologies
4. IPv4 Addressing and Subnetting
5. TCP and UDP
6. IPv6 Addressing

Routing

1. The Routing Table
2. Static & Dynamic Routing
3. Classful & Classless Routing
4. Configuring Static Routes
5. RIPv1 & RIPv2
6. EIGRP
7. OSPF

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Switching

1. Ethernet Technologies
2. Hubs & Switches
3. Switch Configuration
4. Switch Port Configuration
5. VLANs and VTP
6. Spanning-Tree Protocol

Wireless Network

1. Fundamental of wireless network
2. Securing wireless network

Security

1. Next Generation firewall
2. IPv4 access control list
3. Switch port security
4. DHCP snooping
5. ARP Inspection

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