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| CCNA Syllabus | | |
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| 1 | Introduction | CN1 |
| 2 | General Networking topics | CN2 |
| 3 | OSI and TCP/IP Networking Models | CN3 |
| 4 | TCP/IP Protocol Suite | CN4 |
| 5 | IP Addressesing IPV4 | CN5 |
| 6 | Subnetting IP Address blocks FLSM, VLSM, CIDR | CN6 |
| 7 | IP Addressing IPV6 | CN7 |
| 8 | TCP IP Protocols and Troubleshooting tools | CN8 |
| 9 | Router and Switch Components and Functioning | CN9 |
| 10 | Introduction to the Cisco IOS | CN10 |
| 11 | Advanced IOS Functions | CN11 |
| 12 | The Routing Table | CN12 |
| 13 | Static, Dynamic and Default Routing | CN13 |
| 14 | Classful vs. Classless Routing | CN14 |
| 15 | Configuring Static Routes and Default routes | CN15 |
| 16 | RIPv1 & RIPv2 | CN16 |
| 17 | EIGRP Prototol functioning, DUAL Algorithm | CN17 |
| 18 | Advaned EIGRP Routing configuration | CN18 |
| 19 | OSPF Protocol and Functioning, Dijkstra Algorithm | CN19 |
| 20 | OSPF Network, Area and Packets and configuration | CN20 |
| 21 | Implementing IPV6 Routing in Routing Protocols | CN21 |
| 22 | Basics of BGP and Comparison of Routing Protocols | CN22 |
| 23 | NAT (STATIC, DYNAMIC,PAT) | CN23 |
| 24 | Access Lists | CN24 |
| 25 | Virtual LANs, Dynamic Trunking | CN25 |
| 26 | Spanning Tree Protocol and Etherchannel | CN26 |
| 27 | Switchport Configuration and Security | CN27 |
| 28 | First Hop Redundancy Protocols | CN28 |
| 29 | DNS and DHCP | CN29 |
| 30 | NTP - SNMP and Logging IP Services | CN30 |
| 31 | WAN Connectivity methods | CN31 |
| 30 | WAN Encapsulation Protocols | CN32 |
| 33 | Wireless LANS | CN33 |
| 34 | Quality of Service | CN34 |
| 35 | Network Security methods | CN35 |
| 36 | Network Automation Fundamentals | CN36 |