

CCNA

Day Wise Plan

Days

Topics

Day 1	Introduction - CCNA 200-301
Day 2	Introduction to Network Components & characteristics of network topology architectures
Day 3	Compare physical interface and cabling types / Identify interface and cable issues (collisions, errors, mismatch duplex, and/or speed)
Day 4	IPv4 addressing and subnetting-1
Day 5	IPv4 addressing and subnetting-2
Day 6	OSI Model
Day 7	TCP IP Stack Model and TCP vs UDP
Day 8	ARP / GARP / PING / ICMP /
Day 9	Static Routing (Routing protocol code, Netmask, next Hop)
Day 10	Default Routing
Day 11	OSPF v2 Theory
Day 12	OSPF Lab and FHRP
Day 13	Ipv6 Theory and Lab
Day 14	Theory and Lab of Vlan
Day 15	Configure and verify interswitch connectivity (Trunk Port / 802.1q)
Day 16	Configure and Verify CDP/ LLDP and LACP
Day 17	STP-Day-1
Day 18	STP-Day-2
Day 19	Configure NTP/ Telnet / SSH / Http / Https
Day 20	Theory of SNMP / DHCP / DNS / SYSLOG / AAA
Day 21	Configure and verify of DHCP and DHCP Relay Agent
Day 22	Theory of QOS (classification, marking, queuing, congestion, policing, shaping) / TFTP / FTP
Day 23	Explain and Configure ACL
Day 24	Explain Security Concepts , security program elements and password policies elements / Remote Access VPN vs. Site to Site VPN
Day 25	Theory and LAB of NAT
Day 26	Configure L2 Security
Day 27	WLAN components (AP, WLC, access/trunk ports, and LAG) and Wireless security protocols (WPA, WPA2, and WPA3)
Day 28	Configure and verify of Wireless
Day 29	Traditional vs. controller-based networking / Controller-based and software defined architectures / API's
Day 30	What is DNA Center / Rest-API CRUD and Http Verbs / Puppet / CEF / Ansible / JSON