

Networking - CCNA & CCNP

CCNA

40 hours

1. General Networking concepts
2. IP Addressing and Subneting
3. Types of Routers
4. Router Configuration
5. Types of Routings
 - A) Static routing
 - B) Dynamic routing
 - i) Distance Vector (RIP)
 - ii) Link state (OSPF)
 - iii) Hybrid or Advance Distance Vector (EIGRP, RIPv2)
 - C) Default routing
6. Switching basic concepts
7. Types of switches
8. VLANs
9. Switching Protocols
 - a) STP
 - b) RSTP
 - c) PVST
 - d) VTP
 - e) CDP
10. ACLs
11. WAN Technologies
12. NAT

CCNP

Around 40 hours

- 1. Overview on Routing protocols**
 - A) Route Redistribution
- 2. Advanced Routing Protocols**
3. A) BGP
- 4. Multi Layer Switching Concepts**
 - A) Inter Vlan Routing (Router On Stick)
- 5. Advanced Switching concepts**
 - A) HSRP
 - B) GLBP
 - C) VRRP
 - D) MPLS
6. Higher End Routers 12000GSR, 7200 VXR
7. VPN technologies
8. Overview on designing of the Back Bone Networks.
9. Service Provider Techniques

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