TK:710 IP Fundamentals

Duration

3.0 Days

Course Content

1. OSI Model Review

2. LAN Technologies

- 2.1. Ethernet (Frame format, VLAN)
- 2.2. Point-to-Point Protocol (PPP)

3. Network Layer

- 3.1. Introduction to IP
- 3.2. IP header
- 3.3. IP Addressing
- 3.4. The ARP Protocol Family
- 3.5. ICMP
- 3.6. IP Routing
- 3.7. Routing Protocols (RIP, OSPF, BGP)

4. Transport Layer

- 4.1. Transmission Control Protocol (TCP)
- 4.2. User Datagram Protocol (UDP)
- 4.3. Stream Control Transmission Protocol (SCTP)

5. Multiservice Networks

- 5.1. Qos Basics

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5.2. VoIP Concept

6. NAT and IPv6

6.1. NAT

6.2. IPv6

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