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Show Name: CompTIA IT Fundamentals (Exam FC0-U61)

Topic Name: Networking

Episode Name: Basic Networking Concepts

Description: In this episode, Don and Ronnie introduce basic networking concepts. The team describe the basic packet transmission process, networking using names, addresses and basic protocols used. They also mention of the different devices used to network computers together.

Keywords: DNS, LAN vs. WAN, IP address, MAC address, POP3, IMAP, SMTP, HTTPS, Modem, router, switch, access point, firewall.

Basic Networking Concepts

- Introduction to the OSI Model
 1. Physical
 2. Data-Link
 3. Network
 4. Transport
 5. Session
 6. Presentation
 7. Application
- Local Communications
 - Layer 2
 - Devices
 - Switches
 - Hubs
 - Access Points
 - Media Access Control (MAC) Addresses
 - Broadcasts
- Remote Communications
 - Layer 3
 - Devices
 - Routers
 - Firewalls
 - Modems
 - Technologies
 - Subnets
 - DNS
 - Unicasts
- Sessions
 - Layer 4
 - Transmission Control Protocol (TCP)
 - User Datagram Protocol (UDP)
 - Protocols
 - SMTP
 - HTTP/HTTPS
 - POP3
 - IMAP