Networking Fundamentals

Modality: On Demand

Duration: 16 Hours

Networking and Security Fundamentals is a Network+, which is a entry level course which educates network equipment. During this course we will cover network implementation, TCP/IP addressing and data delivery, routing and switching, and TCP/IP implementation.

Course Outline:

- Instructor Bio
- Course Introduction
- Chapter 01 - Explaining the OSI and TCP/IP Models
- Chapter 02 - Explaining Properties of Network Traffic
- Chapter 03 - Installing and Configuring Switched Networks
- Chapter 04 - Configuring IP Networks
- Chapter 05 - Installing and Configuring Routed Networks
- Chapter 06 - Configuring and Monitoring Ports and Protocols
- Chapter 07 - Explaining Network Application and Storage Issues
- Chapter 08 - Monitoring and Troubleshooting Networks
- Chapter 09 - Explaining Network Attacks and Mitigations
- Chapter 10 - Installing and Configuring Security Devices
- Chapter 11 - Explaining Authentication and Access Controls
- Chapter 12 - Deploying and Troubleshooting Cabling Solutions
- Chapter 13 - Implementing and Troubleshooting Wireless Technologies
- Chapter 14 - Comparing and Contrasting WAN Technologies
- Chapter 15 - Using Remote Access Methods
- Chapter 16 - Identification Site Policies and Best Practices
- Course Summary