Cisco CCNA(200-301)

Episode Title: Comparing TCP and UDP Protocols

Learner Objective: compare and contrast TCP vs UDP
Description: You will learn how applications deal with traffic flow across the network using TCP or UDP. You will be able to describe the differences between connection-oriented and connectionless traffic and examples of both
types of traffic.

Teaser:

Intro:

Host Questions:

Q: As a review, can you briefly define for us TCP and UDP?

TCP is a communication protocol that establishes a connection before any data is transmitted. You may also see it referred to as connection oriented.

UDP is a communication protocol for sending data but doesn't require an established connection to transmit data. You'll probably hear it referred to as connectionless.

Q: What type of data do we send with TCP and with UDP?

- TCP is good for sending data files, email, web pages etc.
- UDP is good for real-time communication or streaming of data like DNS, VoIP

Q: You mentioned that TCP establishes a connection before data is transmitted. How does it do that and why is it important?

- 3 way handshake (SYN-SYN/ACK-ACK)

Q: What decides whether TCP or UDP will be used in a communication?

- application or protocol

Endnotes, External and Etc.

- Objective: 1.5.1
- Exam 200-301 objectives