Afeefah Manzoor

ITN261

The OSI Model

Data Link Protocol Data Unit

1. What is the PDU associated with the top three layers of the OSI model?

data

1. What HTTP message type is used to request data?

GET

1. What HTTP message type was used to signify the image was successfully transferred to the client?

OK

Segment Protocol Data Unit

1. In Segment Protocol Data Unit section, Step 2a, what is the source port for the conversation?

49157

1. In Segment Protocol Data Unit section, Step 2b, what is the Well Known Port number for the HTTP protocol?

80

1. Identify which flags are set in each segment of the three-way handshake. There are 3 segments.

1: SYN

2: SYN-ACK

3: ACK

1. The port number 49157 is known as this type of port because it is randomly generated when the conversation is initiated.

dynamic

1. The port number 80 is known as this type of port because it is assigned to the HTTP protocol by IANA.

Well-known

The Packet Protocol Data Unit

1. What is the typical header length for the IP protocol?

20bytes

1. What device decreases the TTL value whenever a packet traverses it?

router

1. What is the PDU associated with the network layer of the OSI model?

Packet

Frame Protocol Data Unit

1. How long is a MAC address in bits?

48bits

1. How long is a MAC address in bytes?

6bytes

1. What is the first half of a MAC address known as?

OUI- organizationally Unique Identifier

1. What command can be used on a Windows machine to view the MAC address?

arp

Bit Protocol Data Unit

1. What is the PDU associated with the physical layer of the OSI model?

bits

1. True or false – a bad cable is considered a physical layer issue?

true

1. True or false – a misconfigured IP address is considered a physical layer issue?

false