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Homework 7

Computer Networking Principals

24.2 List the features of UDP

The features of UDP are :

* No congestion or flow control
* connectionless service model
* message oriented, can't ensure reliability

24.3 Do applications need to exchange UDP control messages before exchanging data? Explain

No, because of the connectionless service architecture, no UDP control messages are required before transmitting data.

24.5 What happens if a UDP message containing a payload of 1500 data bytes is sent across an Ethernet?

If a UDP message containing over 1500 data bytes is sent over ethernet since the Ethernet payload is so big, the message will be split into two frames.

24.9 What endpoint values must be specified by an application that engages in 1-to-1 communication? In 1-to-many? In many-to-1?

* One to One: The local port number, remote IP address, and remote protocol port number must all be specified by an application.
* One to Many: The local port number and the remote protocol port number must be specified by the application.
* Many to One: Only the local port number must be specified in an application.

24.10 What is a pseudo header, and when is one used?

When the checksum needs to be found, a pseudo header is utilized. It contains the IP addresses, protocol type, and UDP length.