

TNE10006/TNE60006: Networks and Switching



Transport Layer – UDP



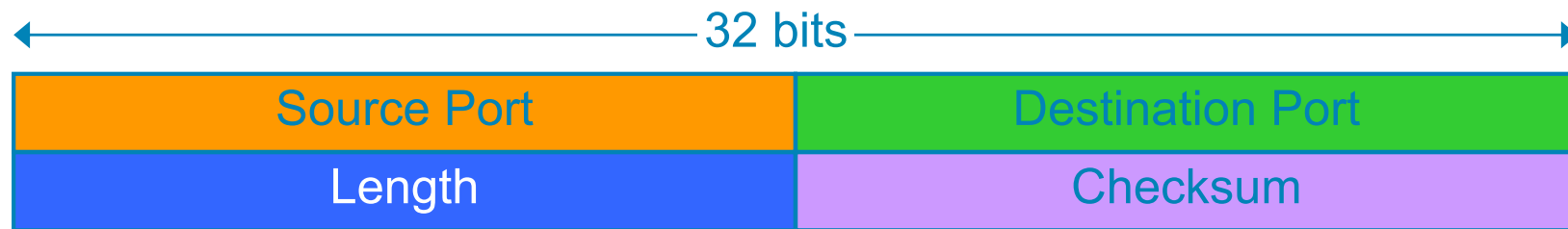
Outline

- Protocol Format
- Datagram Reassembly
- Application Processes



UDP Protocol Format

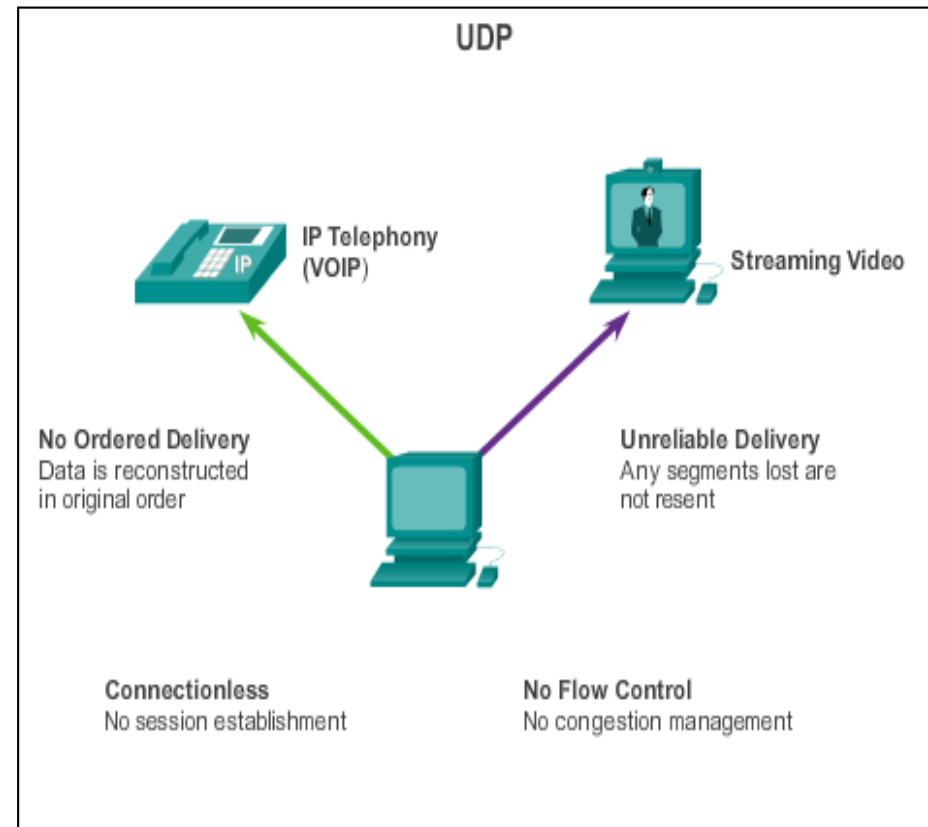
■ UDP Header



■ RFC 768

Applications that use UDP:

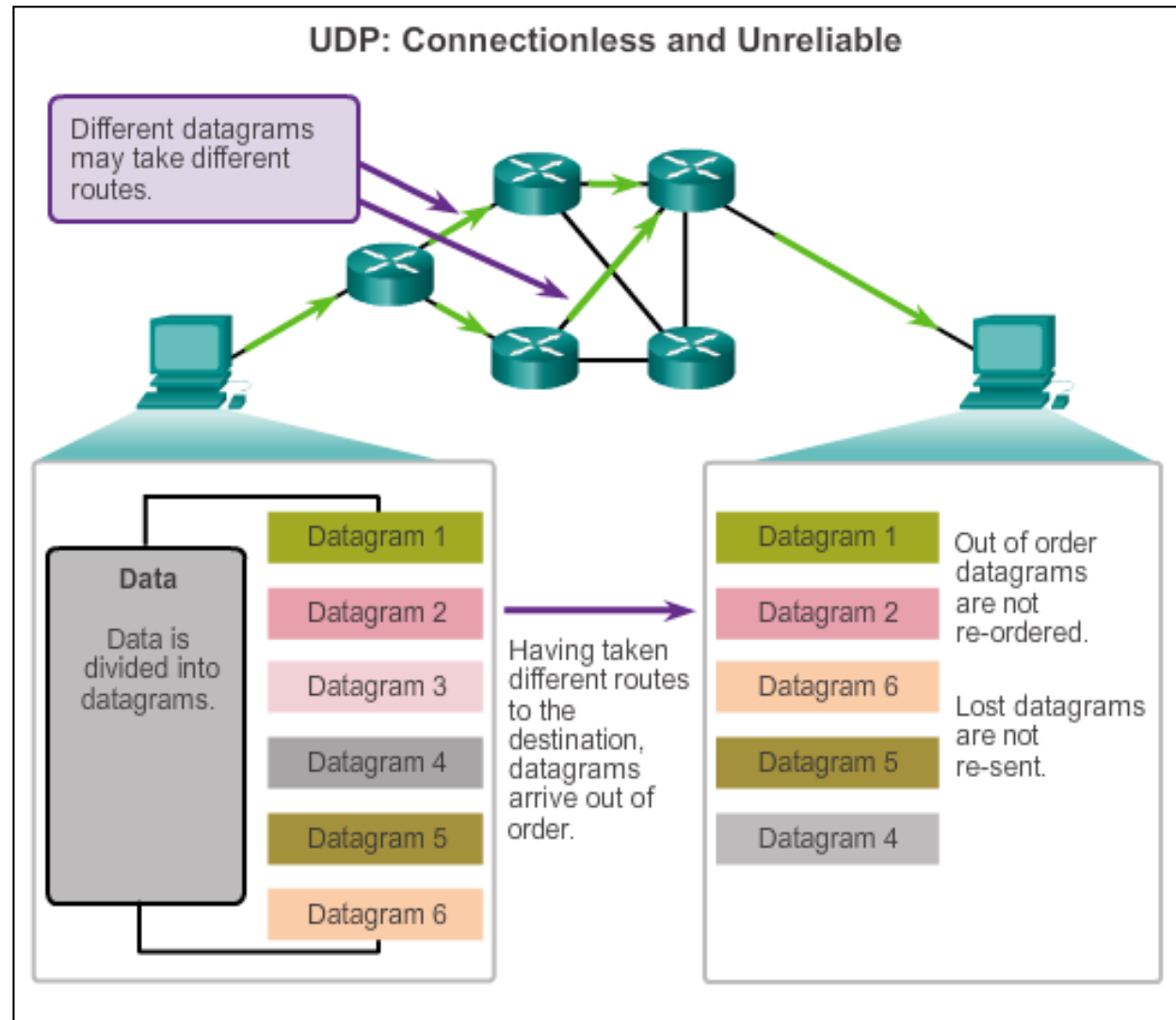
- Domain Name System (DNS)
- Video Streaming
- VoIP





UDP Communication Datagram Reassembly

- Application divides data into datagrams
- No delay – datagrams are transmitted as soon as possible

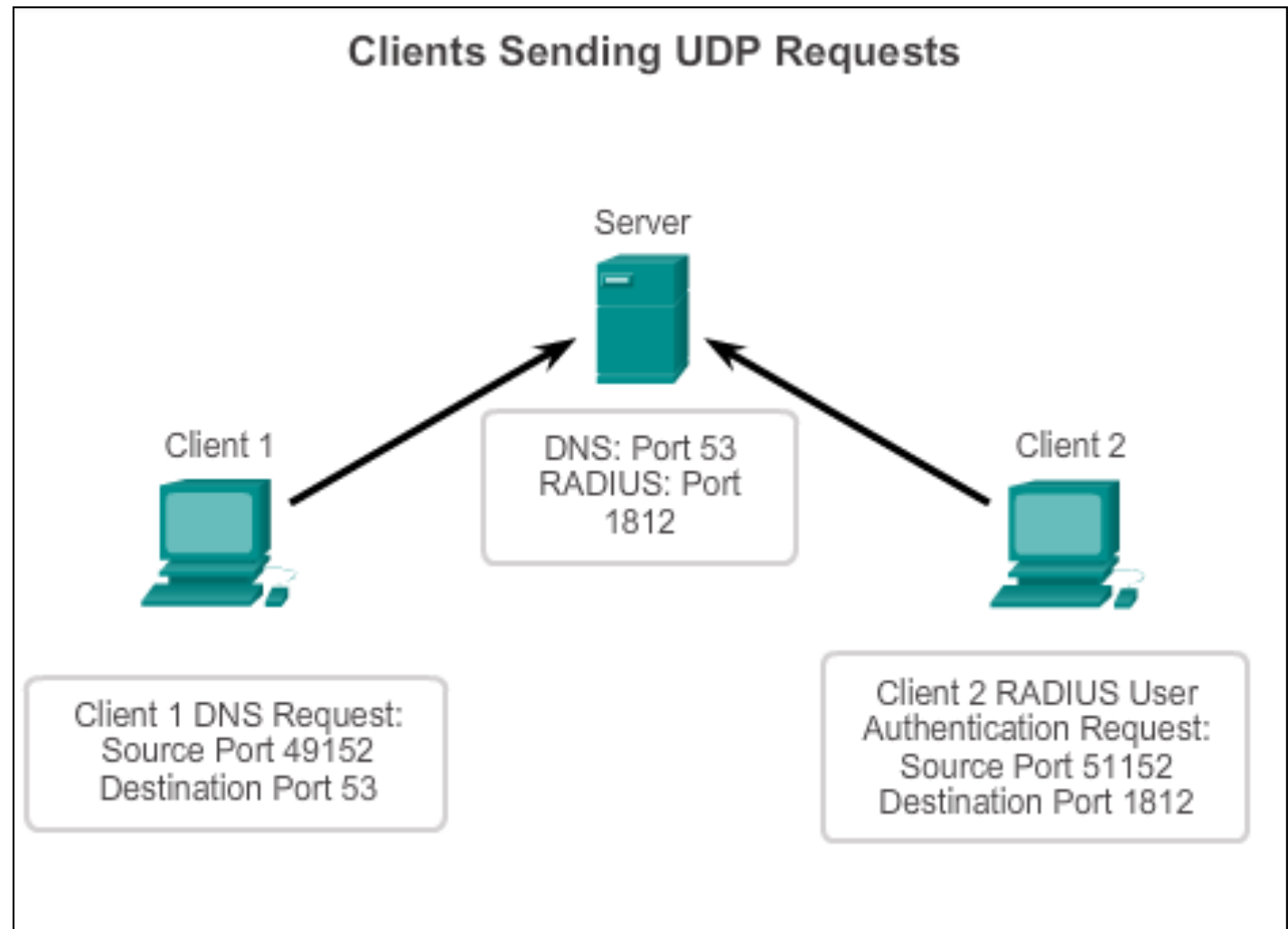




UDP Communication

UDP Server and Client Processes

- UDP-based server applications are assigned well-known or registered port numbers
- UDP client process randomly selects port number





Transport Layer – UDP

Summary

In this lecture, we covered:

- Protocol Format
- Datagram Reassembly
- Application Processes