REDES DE COMPUTADORES

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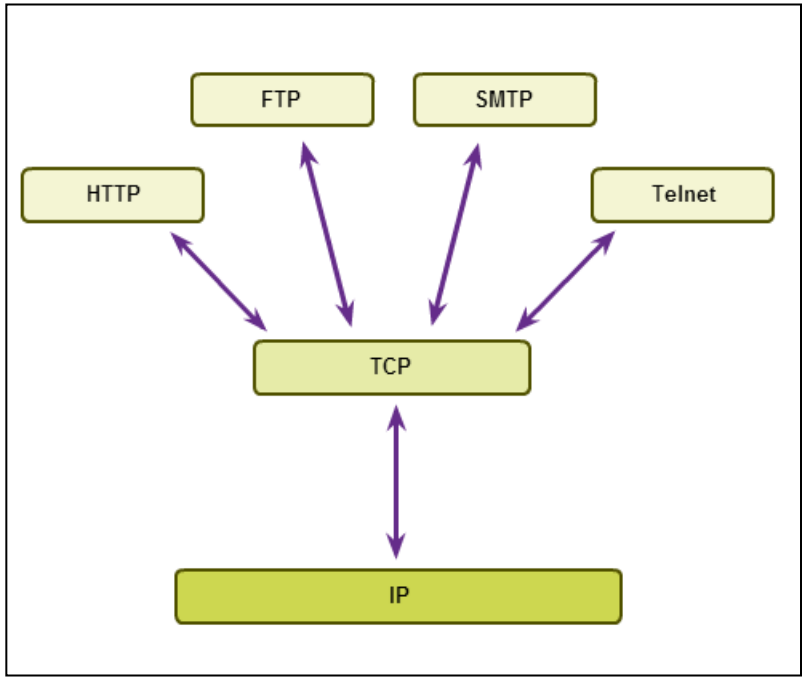
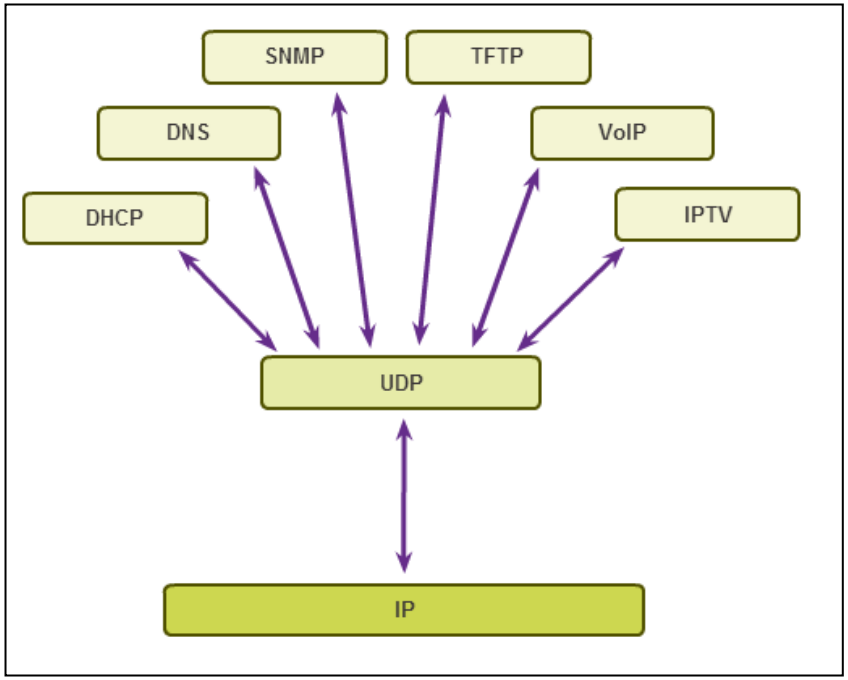
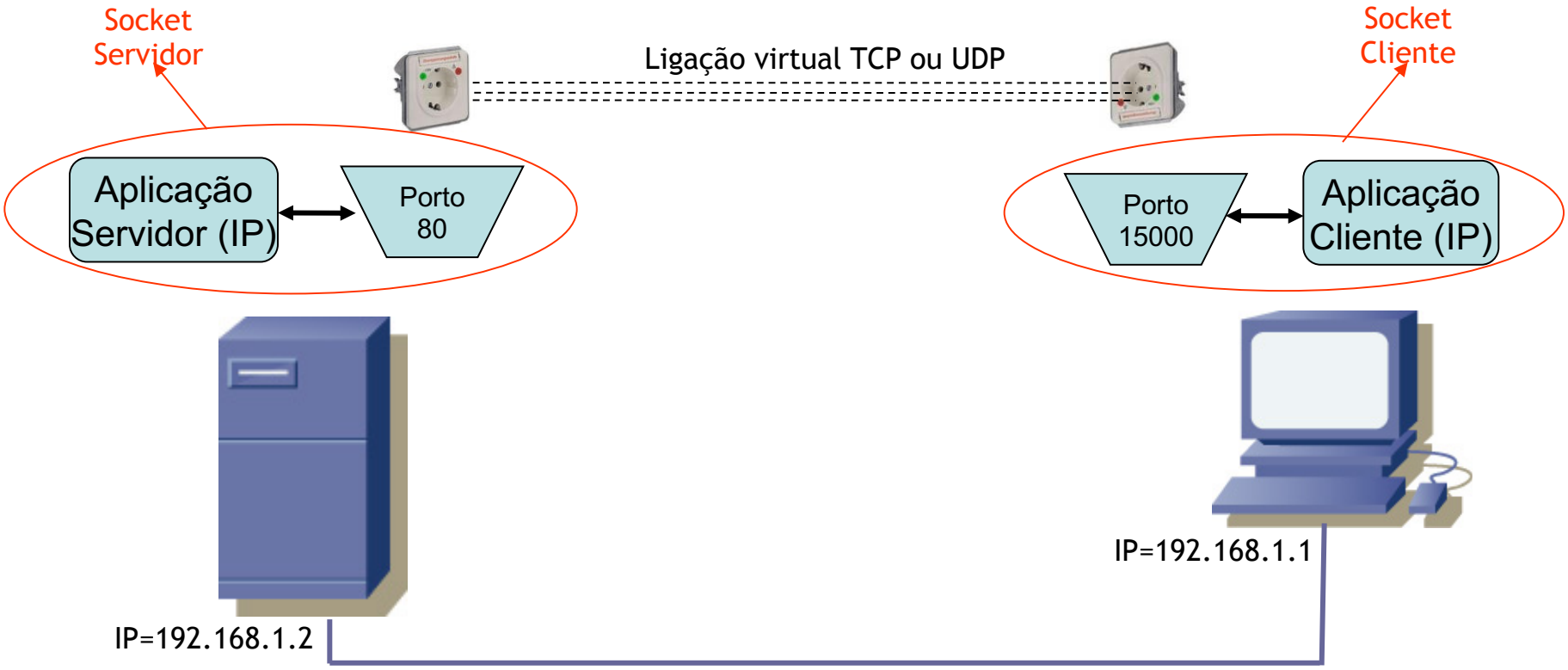
TCP or UDP



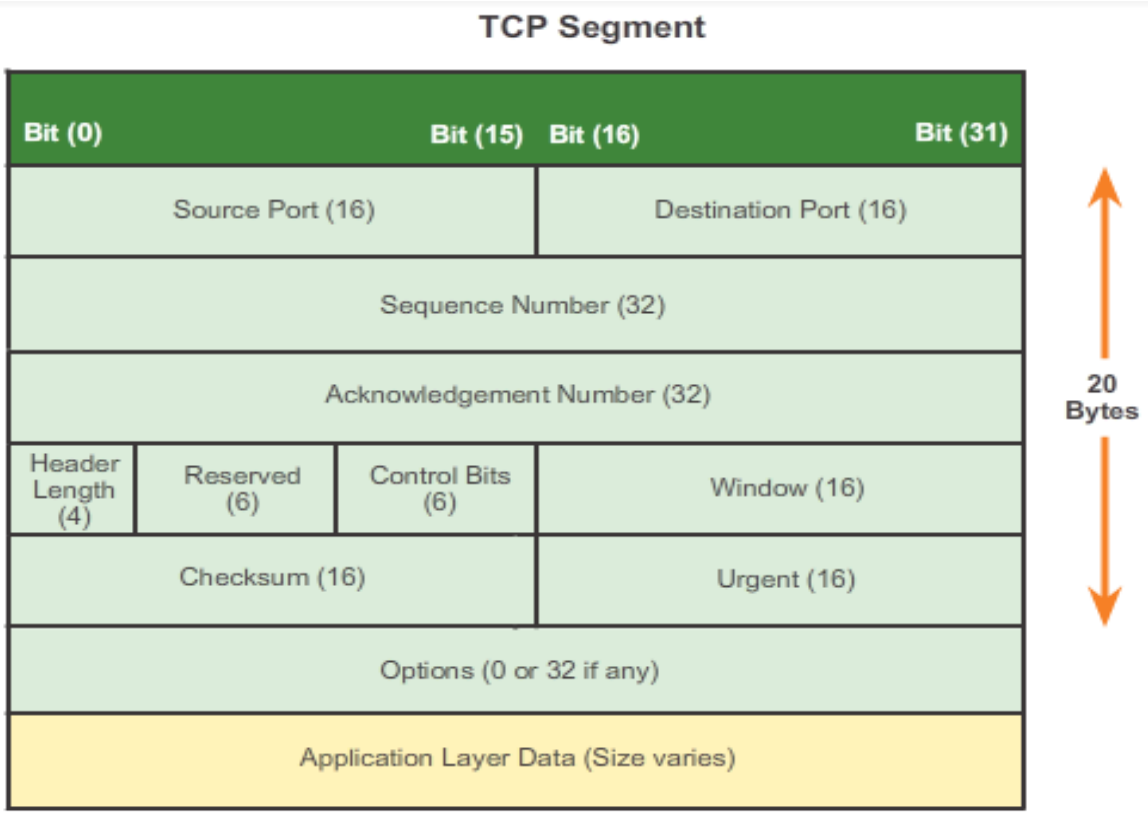


Portos



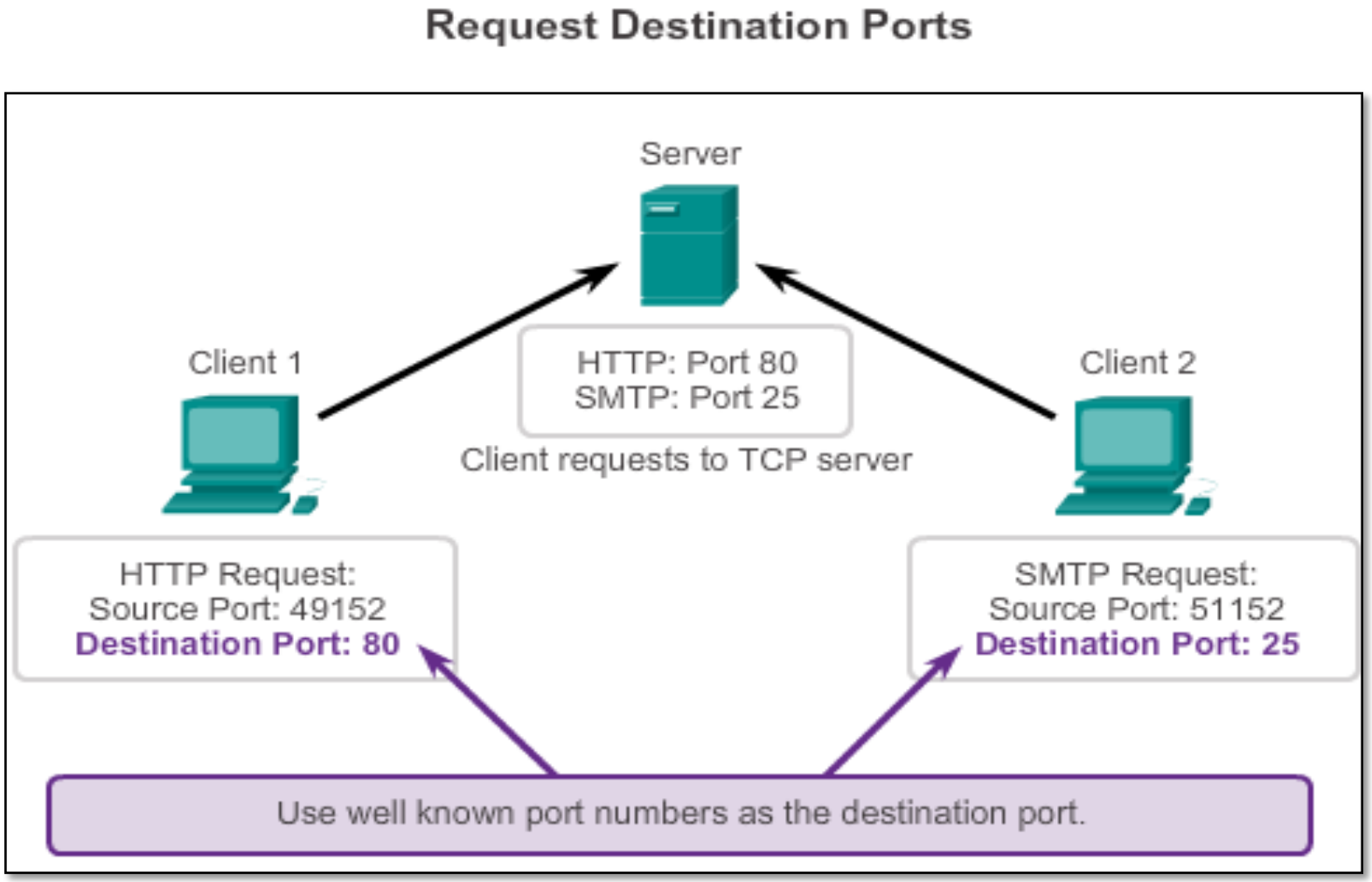
Ligação = (Socket Cliente, Socket Servidor, Protocolo Transp.)

Estrutura do segmento TCP

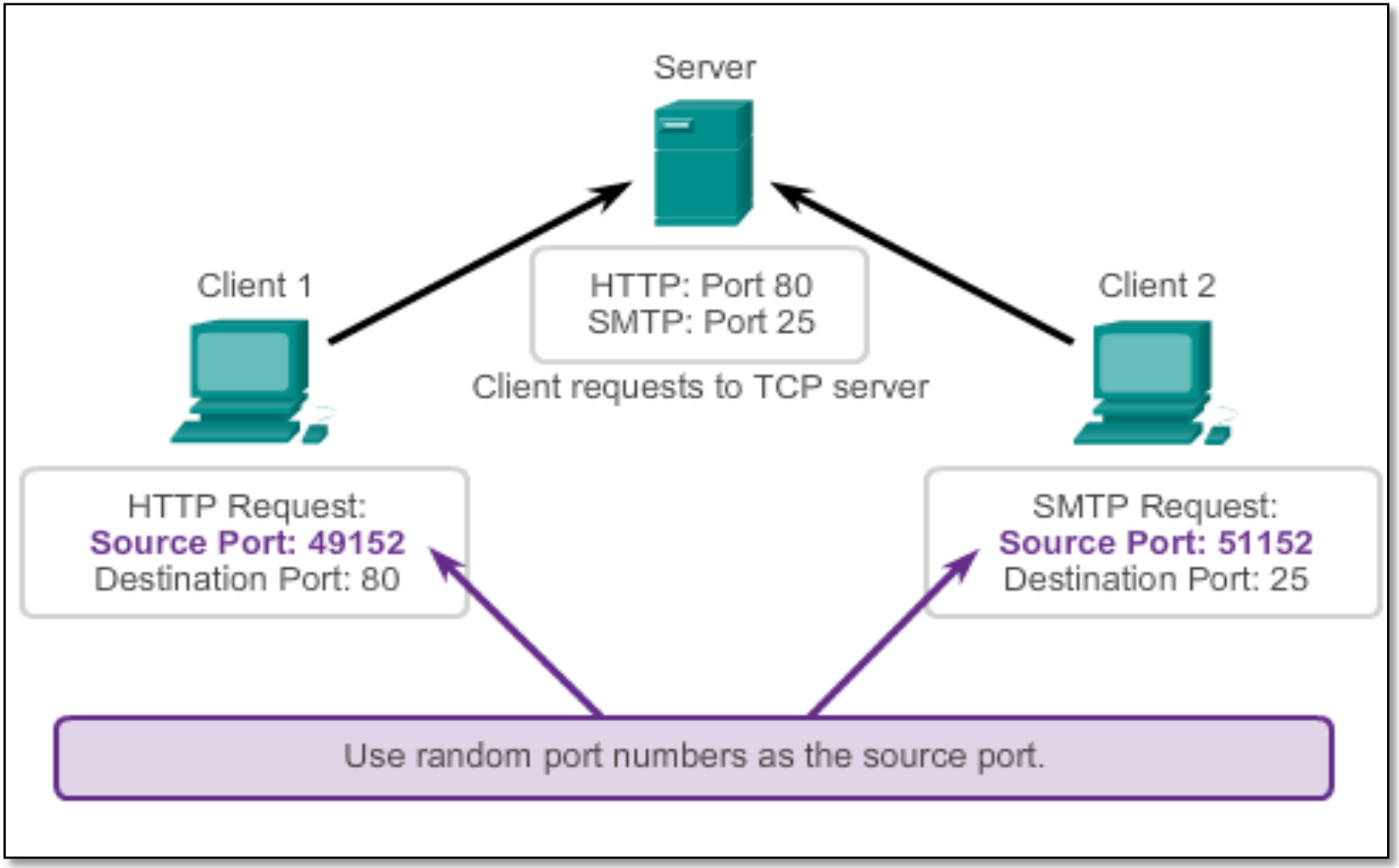


TCP Communication

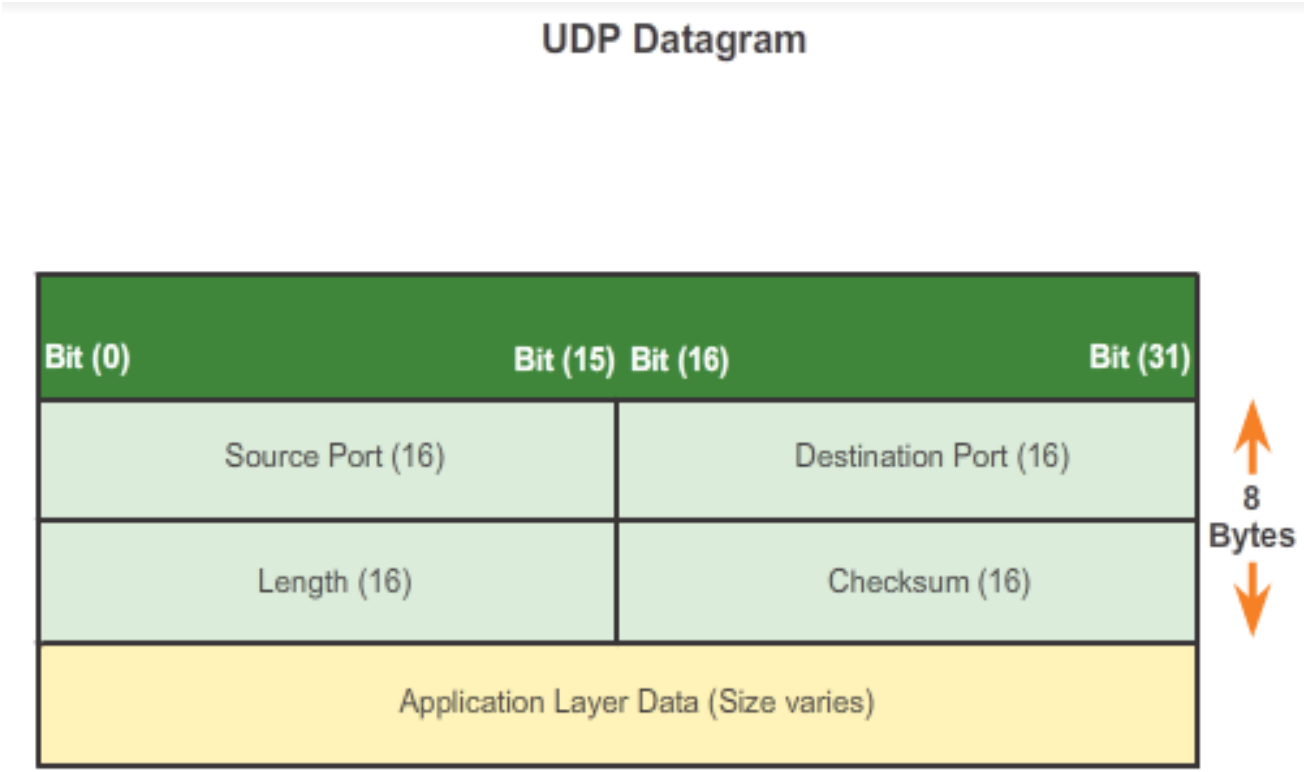
TCP Server Processes



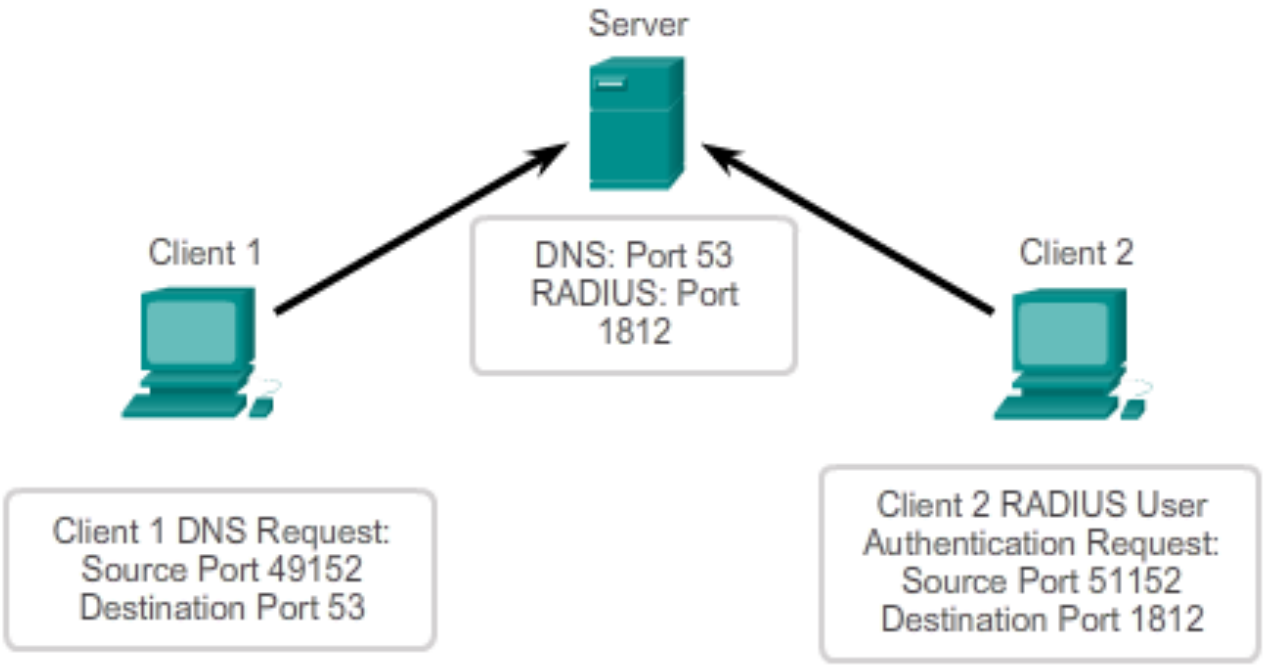
TCP Server Processes (Cont.)

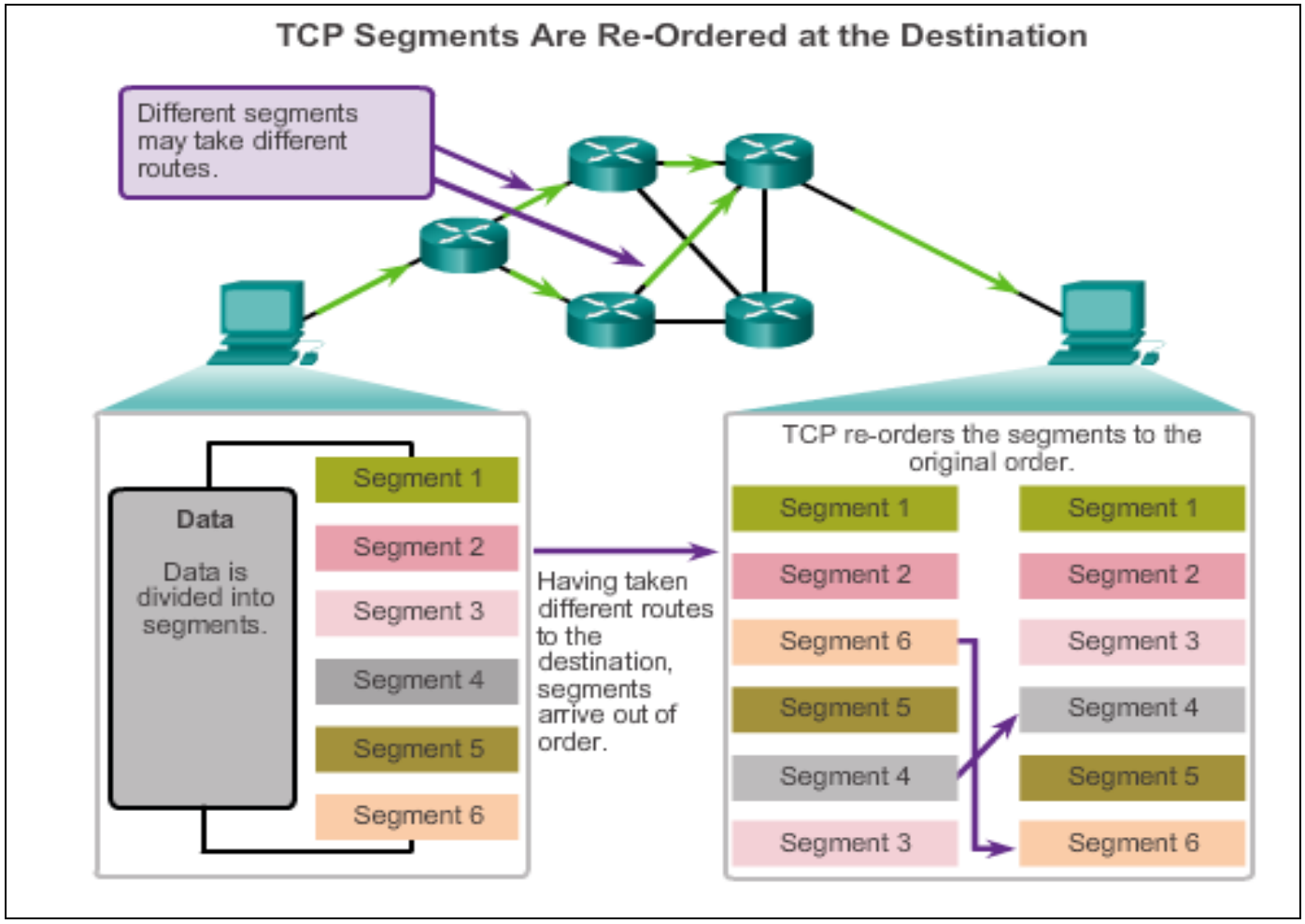


Estrutura de datagrama UDP

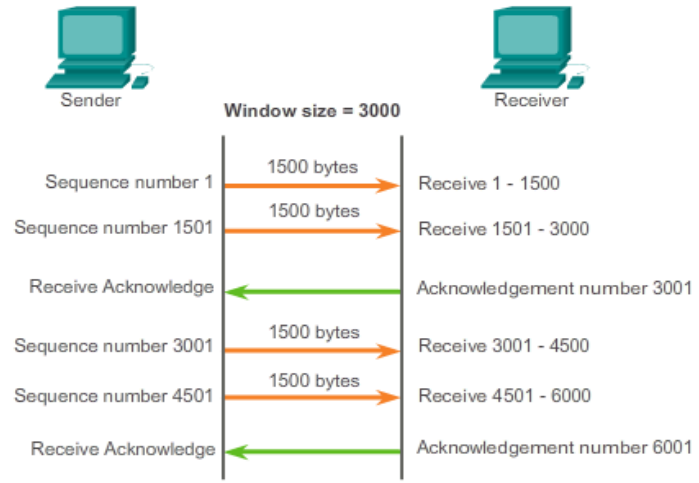


UDP Server and Client Processes





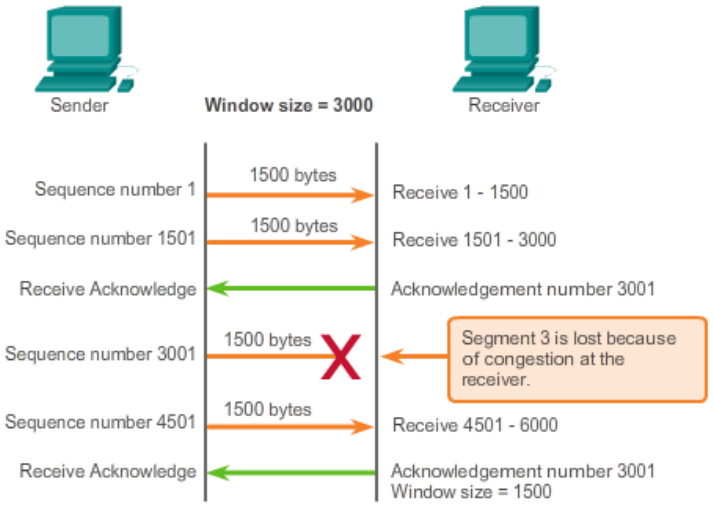
TCP Segment Acknowledgement and Window Size



The **window size** determines the number of bytes sent before an acknowledgment is expected.

The **acknowledgement** number is the number of the next expected byte.

TCP Congestion and Flow Control



If segments are lost because of congestion, the receiver will acknowledge the last received sequential segment and reply with a reduced window size.