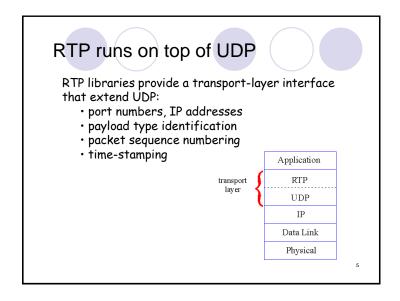
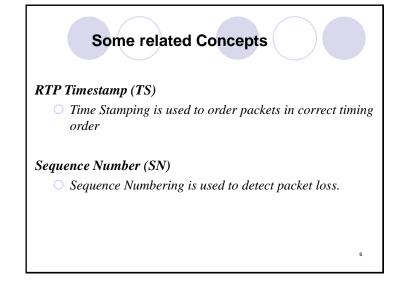
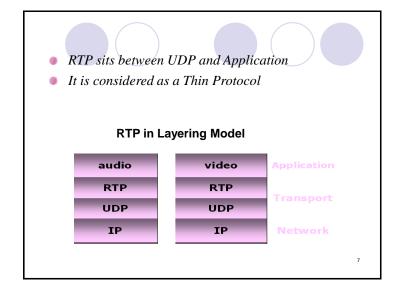


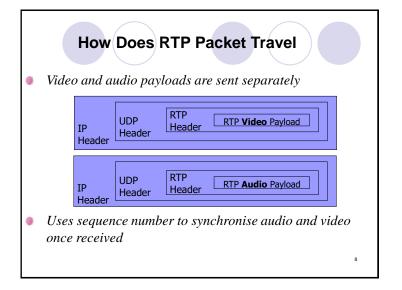
## Services it provide Streaming Multimedia Applications Sequence Numbering Delivery Monitoring Supports traffic between sender and receiver Time stamping Multicasting

## Real-Time Protocol (RTP) RTP specifies a packet RTP runs in the end structure for packets systems. carrying audio and video data. RTP packets are encapsulated in UDP RTP packet provides segments payload type identification packet sequence numbering timestamping









## RTP Header Format Payload Type Sequence Number Time Stamp SSRC Identifier Payload Type: 7 bits, providing 128 possible different types of encoding; eg PCM, MPEG2 video, etc.

Sequence Number: 16 bits; used to detect packet loss

RTP Header Format (Cont:) **Timestamp:** 32 bytes; gives the sampling instant of the first audio/video byte in the packet; used to remove jitter introduced by the network. Synchronization Source identifier (SSRC): 32 bits; an id for the source of a stream; assigned randomly by the source Payload Synchronization Miscellaneous Sequence **Timestamp** Number00 Source Identifier Type Fields 10