

01:08

OUTCOMES

Upon the completion of this session, the learner will be able to

- ★ Recall link layer services.
- ★ Understand flow control.
- ★ Know the flow control protocols.

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LINK LAYER SERVICES

Application Layer

Presentation Layer

Session Layer

Transport Layer

Network Layer

Data Link Layer

Physical Layer

It is responsible for moving data(frames) from one node to another node.

SERVICES PROVIDED BY DATA LINK LAYER

- ★ Framing.
- ★ Error Control.
- ★ Flow Control.
- ★ Physical Addressing.
- ★ Access Control.



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FLOW CONTROL

- ★ Speed matching mechanism.
- ★ Flow control coordinates the amount of data that can be sent before receiving an acknowledgment.
- ★ Flow control is a set of procedures that tells the sender how much data it can transmit before it must wait for an acknowledgement from the receiver.
- ★ Receiver has a limited speed at which it can process incoming data and a limited amount of memory in which to store incoming data.
- ★ Receiver must inform the sender before the limits are reached and request that the transmitter to send fewer frames or stop temporarily.

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FLOW CONTROL – PROTOCOLS



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