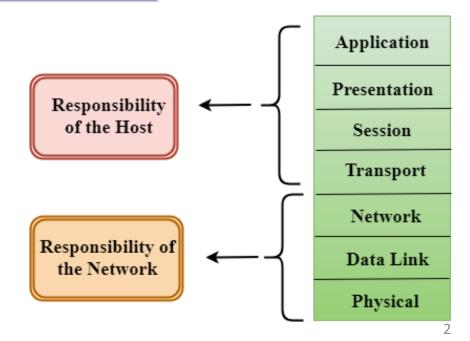# CSE-3215
Data Communication

Lecture-05

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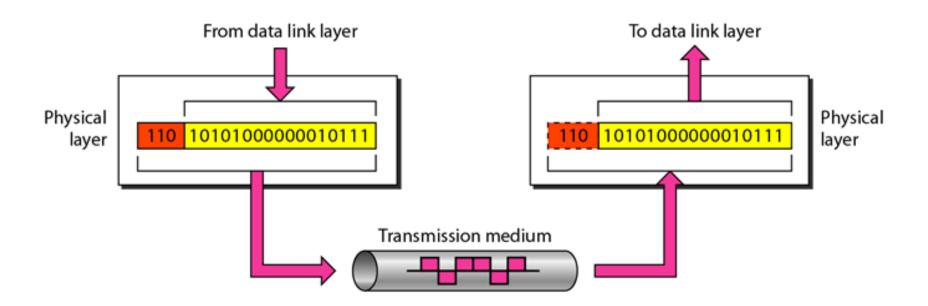
Layers in the OSI Model

In this section we briefly describe the functions of each layer in the OSI model.

Topics to be discussed in this section

Physical Layer
Data Link Layer
Network Layer
Transport Layer
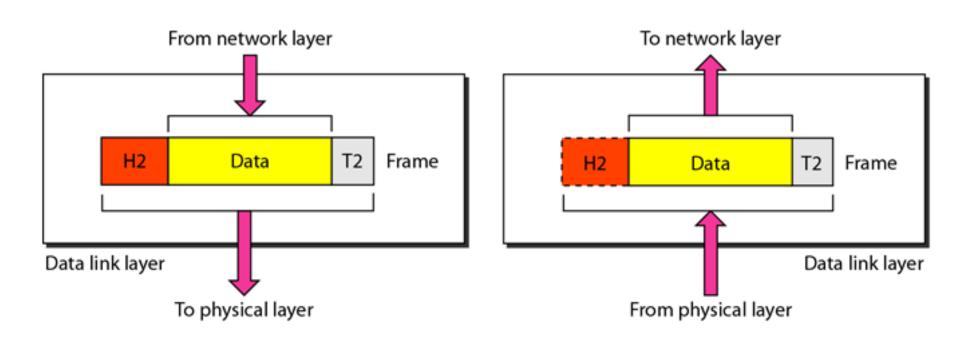Session Layer
Presentation Layer
Application Layer

Responsibility of the Host

Responsibility of the Network

| Application |
| Presentation |
| Session |
| Transport |
| Network |
| Data Link |
| Physical |

Physical Layer

Note

The physical layer is responsible for movements of individual bits from one hop (node) to the next.

Data Link Layer

Note

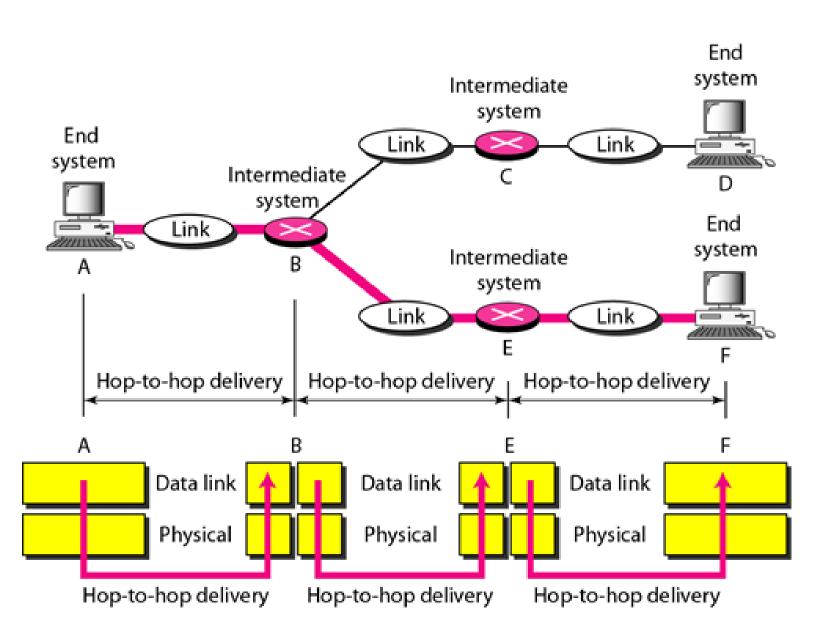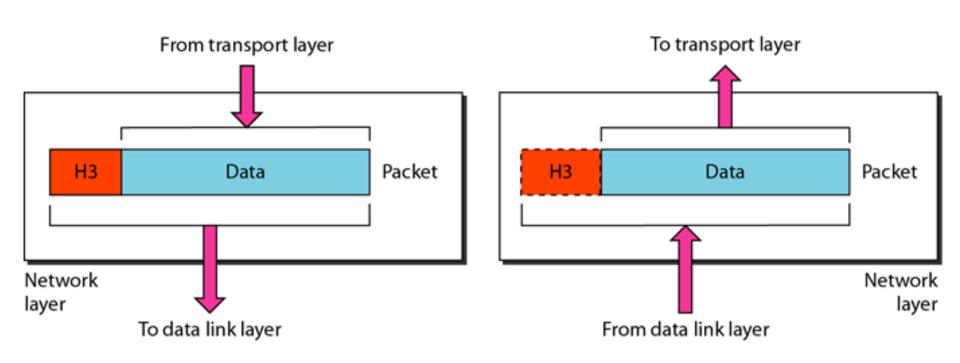The data link layer is responsible for moving frames from one hop (node) to the next.

Figure: Hop-to-Hop Delivery

Network Layer

Note

The network layer is responsible for the
delivery of individual packets from
the source host to the destination host.
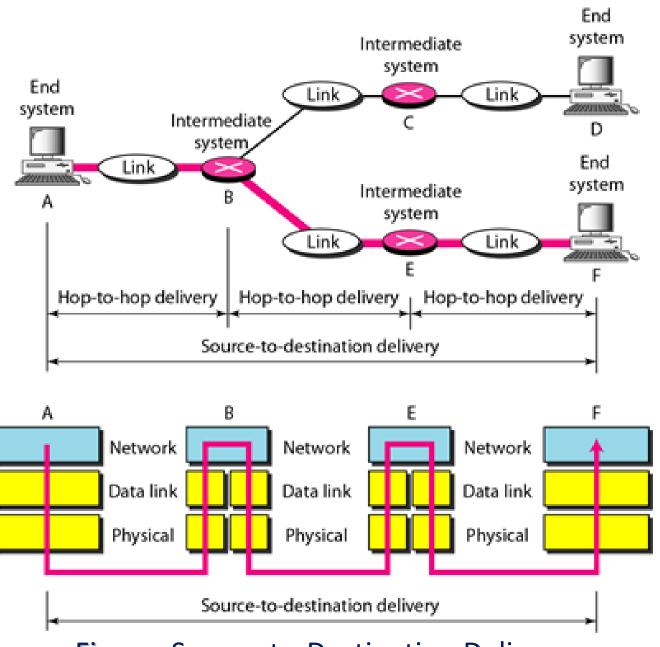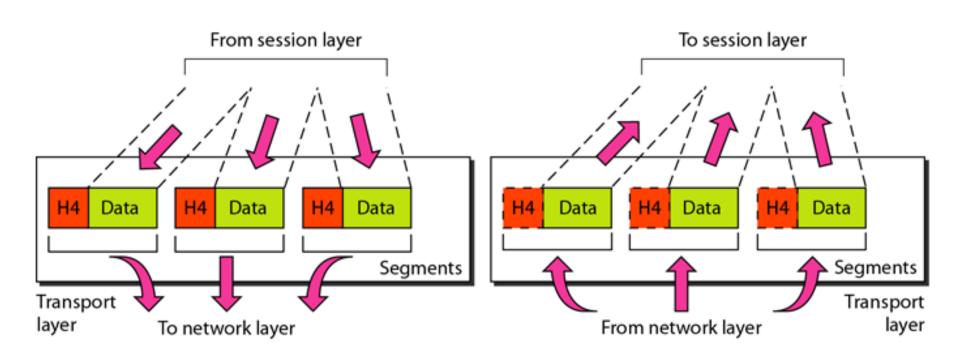
Figure: Source-to-Destination Delivery

Transport Layer

Note

The transport layer is responsible for the delivery
of a message from one process to another.
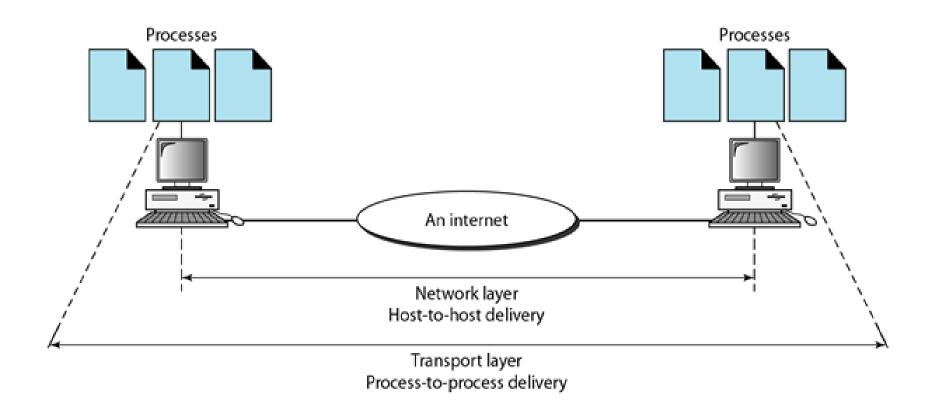
Figure: Process-to-Process Delivery of a Message

We will discuss the rest of the layers in next class

Thank You