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LAYERS IN THE OSI REFERENCE MODEL

Application Layer

Presentation Layer

Session Layer

Transport Layer

Network Layer

Data Link Layer

Physical Layer

It is responsible for process to process delivery of the entire message.

SERVICES PROVIDED BY TRANSPORT LAYER

- ★ Port addressing.
- ★ Segmentation and Reassembly.
- ★ Connection control.
- ★ End-to-End Flow Control.
- ★ Error Control



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LAYERS IN THE OSI REFERENCE MODEL

Application Layer

Presentation Layer

Session Layer

Transport Layer

Network Layer

Data Link Layer

Physical Layer

It is responsible for delivery of data from the original source to the destination network.

SERVICES PROVIDED BY NETWORK LAYER

- ★ Logical addressing.
- ★ Routing.



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LAYERS IN THE OSI REFERENCE MODEL

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



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LAYERS IN THE OSI REFERENCE MODEL

Application Layer

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Network Layer

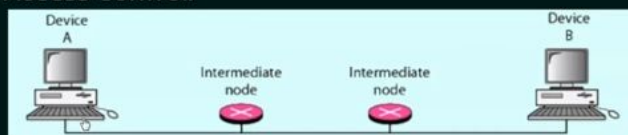
Data Link Layer

Physical Layer

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

SERVICES PROVIDED BY DATA LINK LAYER

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



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LAYERS IN THE OSI REFERENCE MODEL

Application Layer

Presentation Layer

Session Layer

It is responsible for transmitting bits over a medium. It also provides electrical and mechanical specifications.

SERVICES PROVIDED BY PHYSICAL LAYER

Transport Layer

★ Physical characteristics of the media.

Network Layer

★ Representation of bits.

Data Link Layer

★ Data rate.

Physical Layer

★ Synchronization of bits.

★ Line configuration.

★ Physical topology.