

OSI MODEL CHEAT SHEET

LAYER 7 - APPLICATION

Serves as the window for users and application processes to access the network services.

Example Protocol: HTTP



LAYER 6 - PRESENTATION

Formats the data to be presented to the Application layer. It can be viewed as the "Translator" for the network.

Example Protocol: MPEG



LAYER 5 - SESSION

Allows session establishment between processes running on different stations.

Example Protocol: NetBIOS



LAYER 4 - TRANSPORT

Ensures that messages are delivered error-free, in sequence, and with no losses or duplications.

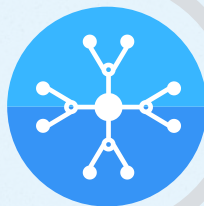
Example Protocol: TCP



LAYER 3 - NETWORK

Controls the operations of the subnet, deciding which physical path the data takes.

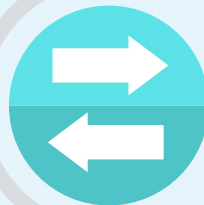
Example Protocol: IPV6



LAYER 2 - DATA LINK

Provides error-free transfer of data frames from one node to another over the Physical layer.

Example Protocol: PPP



LAYER 1 - PHYSICAL

Transmission and reception of the unstructured raw bit stream over the physical medium.

Example Protocol:

1000BASE-T

