

OSI Model Summary Chart

Soumis par CCNA

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N°

Layers

Used to

Keywords

Protocols

Devices

1.

Physical

transmit frames

medium, technique, mode

hub, cable

2.

Datalink

synchronize, detect errors, identify packets

MAC, FCS, LLC, frame

PPP, frame-relay

switch

3.

Network

deliver packets

PING, packet

IP, ICMP, ARP, RARP

router

4.

Transport

transport data

multiplexing, 3 way handshake, segment, connection oriented/less, windowing

TCP, UDP

5.
Session
control the connection

6.
Presentation
present data

encryption/decryption, compression/decompression, format

7.
Application
perform applications

http 80, smtp 25, pop3 110, ftp 21, telnet 23