Modèle OSI







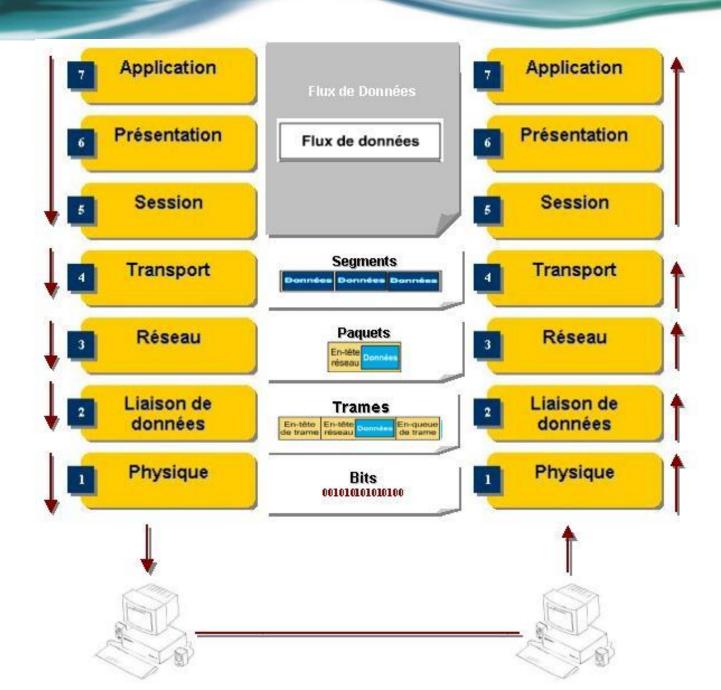
RESEAUX



OSI

Open Systems Interconnect

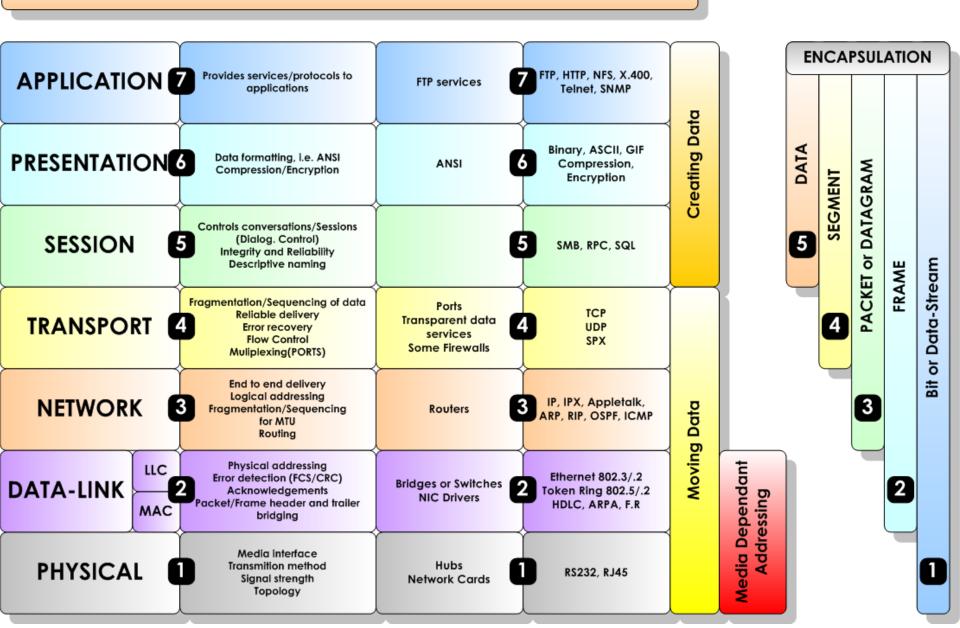
OSI



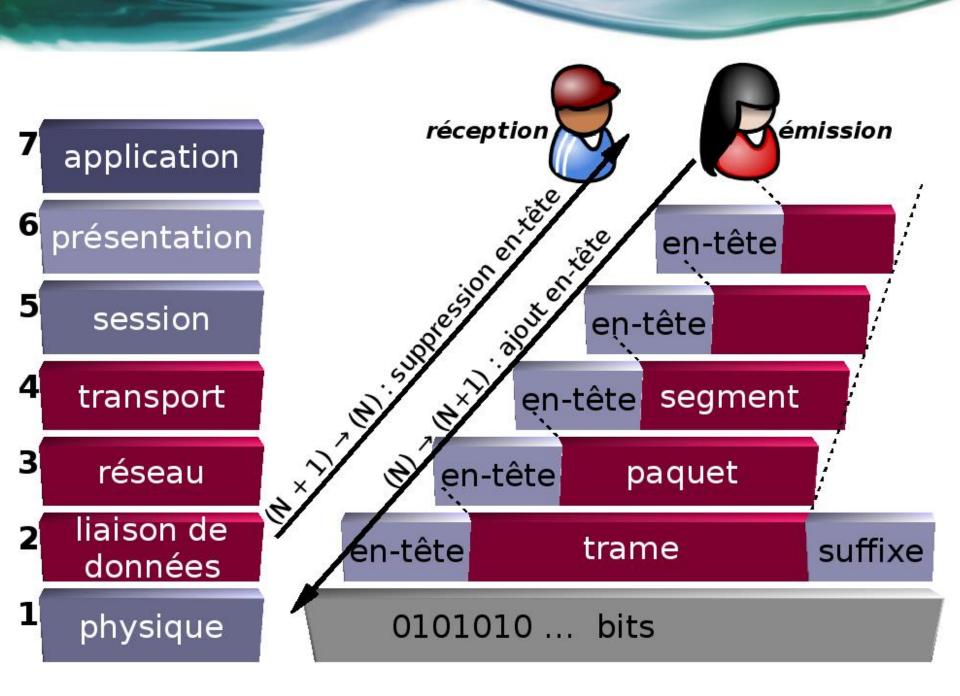


The OSI Model (Open Systems Interconnection)

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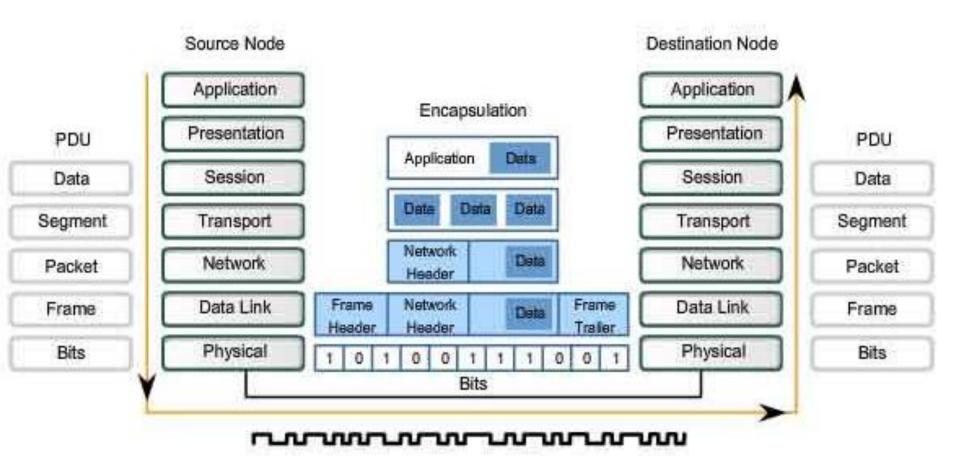


© Copyright 2008 Steven Iveson The OSI Model (Open Systems Interconnection) www.networkstuff.eu **ENCAPSULATION OSI Model** TCP/IP Model APPLICATION 7 Provides services/protocols to FTP services applications DATA PRESENTATION 6 Data formatting, i.e. ANSI ANSI PACKET or DATAGRAM Application Compression/Encryption SEGMENT Controls conversations/Sessions (Dialog. Control) SESSION Integrity and Reliability FRAME or Data-Stream Descriptive namina Host to Host Fragmentation/Sequencing of data **Ports** Reliable delivery **Transparent** TRANSPORT TCP UDP Error recovery data services Flow Control Some Firewalls Muliplexing(PORTS) Internetwork End to end delivery Logical addressing **NETWORK** 3 IP, ARP & ICMP Fragmentation/Sequencing Routers for MTU Routing **Network Access** LLC Physical addressing Error detection (FCS/CRC) **Bridges** or DATA-LINK **Acknowledgements** switches Packet/Frame header and trailer **NIC Drivers** MAC bridging Network Interface Media interface **PHYSICAL** Transmition method Hubs Signal strength Network Cards Topology



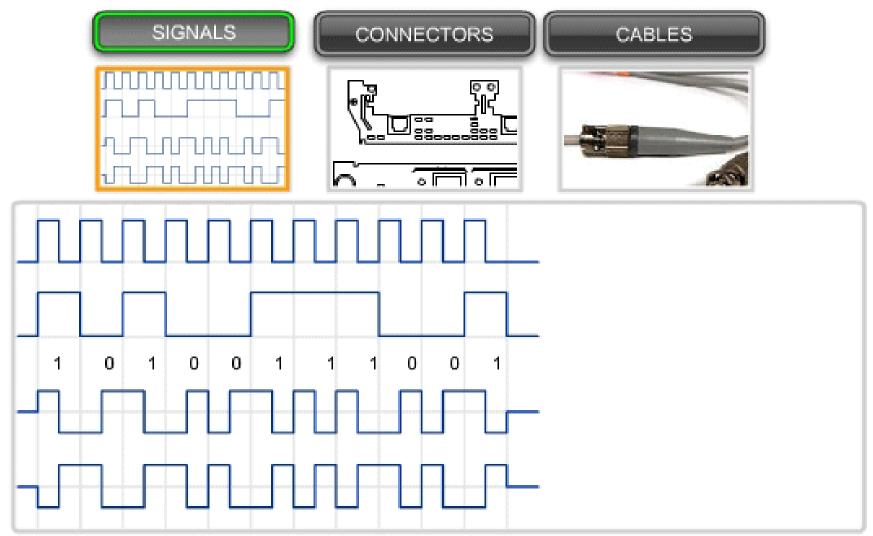


OSI





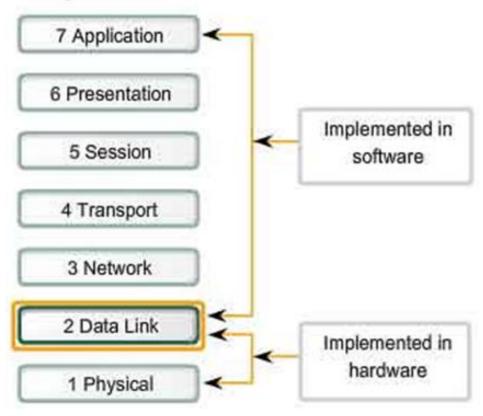
Niveau 1: Physique





Niveau 2 : Liaison de données

Niveau 2 : Lien entre le logiciel et le matériel

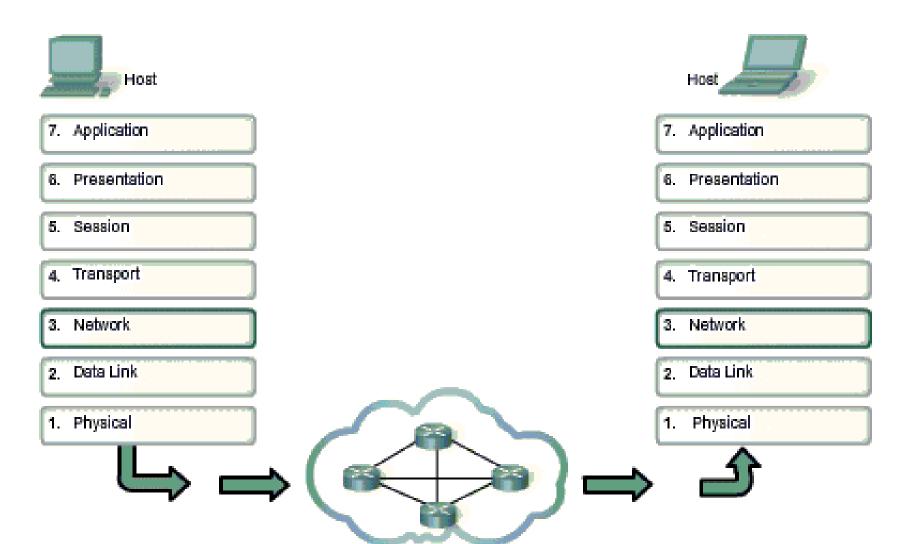




PC NIC

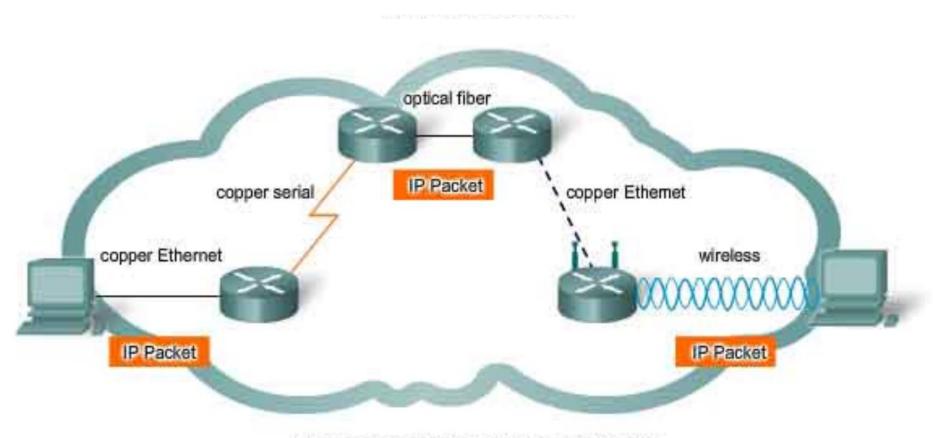


Niveau 3: Réseaux





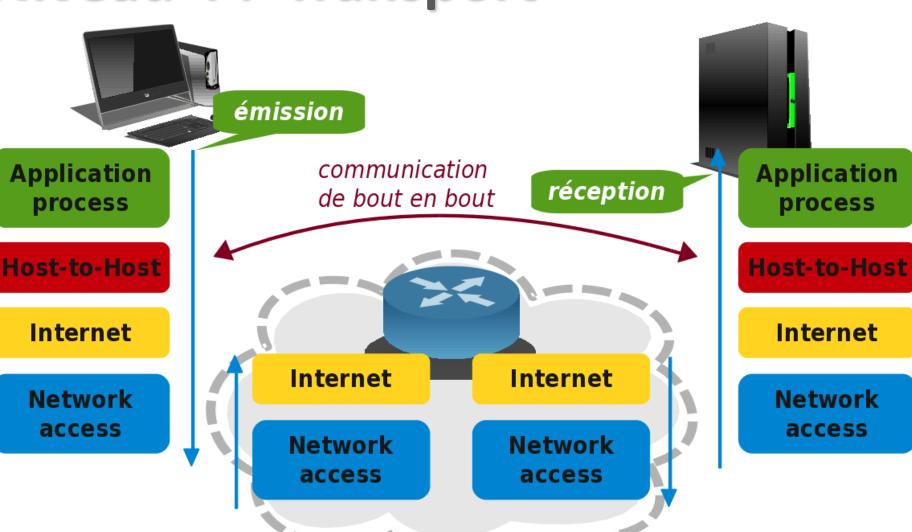
Niveau 3: Réseaux



IP packets can travel over different media.

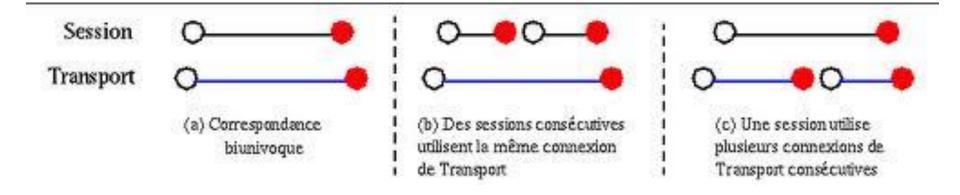


Niveau 4: Transport





Niveau 5: Session



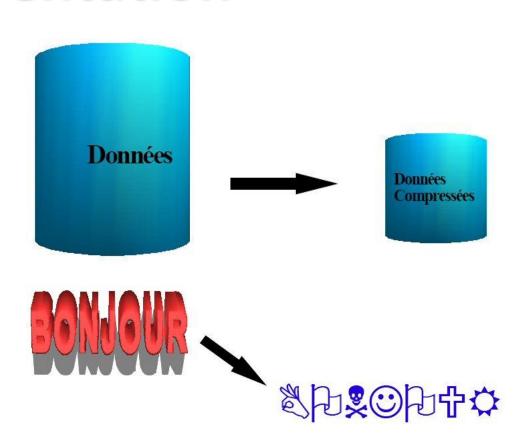




Niveau 6: Présentation

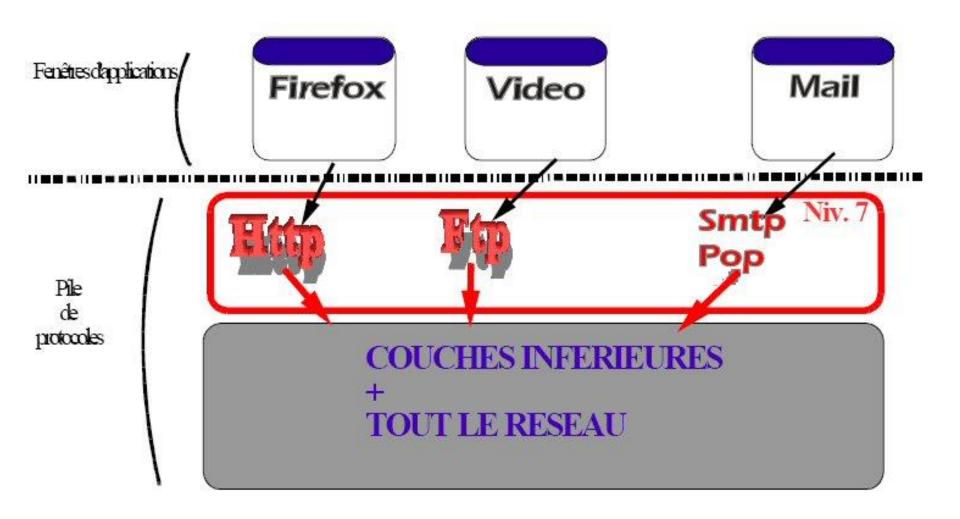
Compression

Cryptage



Représentation des données

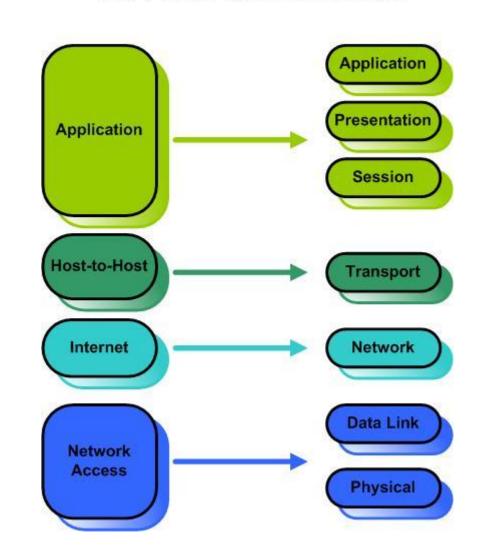
Niveau 7: Services d'applications





Modèle TCP / IP

The TCP/IP and OSI Models





The TCP/IP Protocol Suite



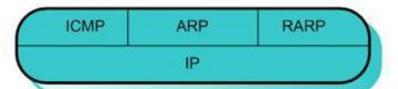


TFTP	Telnet	NFS	SMTP
DNS	rlogin	LPD	SNMP









Net	twork	- 1
Ac	cess	- 1
		-)

Ethernet	Fast Ethernet	PPP	FDDI
ATM	Token Ring	Frame Relay	HDLC





