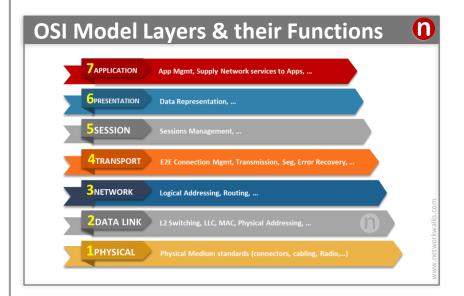


OSI Model – Cheat Sheet (Network Walks) – Part-1 v1.3

What is OSI Model ???

"OSI Model (Open Systems Interconnection) is a standardised Reference Framework for conceptualising data communications between networks"

Official Standard: ISO7498 (1984)

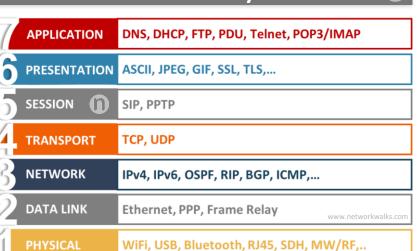


Encapsulation: "Preparing & passing the data by any Upper layer to the layer below it, is called Encapsulation"

(Means, going from the application layer all the way down to the physical layer)

Decapsulation: "Decoding data while going Upwards from the physical layer till application layer is called decapsulation"

Protocols at each OSI Layers



Transport Layer Ports			
Category	Range	Comments	
Well Known Ports	0 - 1023	Used by system processes e.g. FTP(21)	
Registered Ports	1024 - 49151	For specific services e.g. Port 8080	
Private Ports	49152 – 65535	For Private purposes	

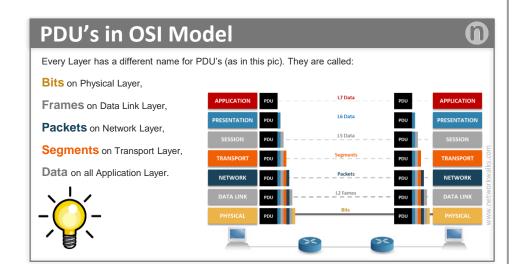
Port Number	Protocol	Application
20	TCP	FTP data
21	TCP	FTP control
22	TCP	SSH
23	TCP	Telnet
25	TCP	SMTP
53	UDP, TCP	DNS
67, 68	UDP	DHCP
69	UDP	TFTP
80	TCP	HTTP (WWW)
110	TCP	POP3
161	UDP	SNMP
443	TCP	SSL
16,384-32,767	UDP	RTP-based Voice (VoIP) and Video

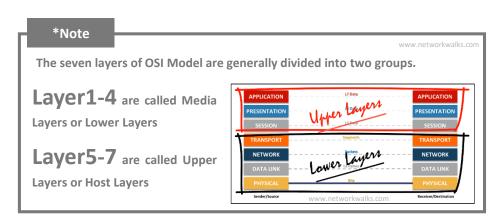






Your Feedback, Comments are always Welcomed: info@networkwalks.com



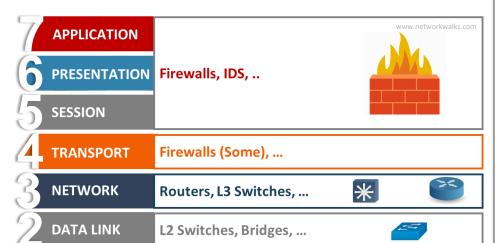




PHYSICAL

Please Do Not Throw Sausage Pizza Away All People Seem To Need Data Processing

Devices at each OSI Layers



Hubs, Repeaters, Modems, ...

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