

Explain the OSI (Open System Interconnection) model of Networking Systems and its layers

| Open System Interconnection(OSI), Networking Systems,

The 7 Layer OSI Model

	Osi Layer	TCP/IP	Datagrams are Called
Software	7 Application	Http, SMTP, IMAP, SNMP, POP3, FTP	Upper Layer Data
	6 Presentation	ASCII characters, MPEG, SSL, TSL, Compression(Encryption and Decryption)	
	5 Session	NetBIOS, SAP, Handshaking connection	
	4 Transport	TCP, UDP	Segment
	3 Network	IPv4, IPv6, ICMP, IPSec, MPLS, ARP	Packet
Hardware	2 Data Link	Ethernet, 802.1x, PPP, ATM, Fiber Channel, MPLS, FDDI, MAC Addresses	Frame
	1 Physical	Cabler, Connectors, Hubs, 10BaseT, 100BaseTX	Bits