





1. Application

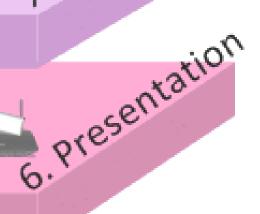
Network process to application

DNS, WWW/HTTP, P2P, EMAIL/POP, SMTP, Telnet, FTP









Data representation and encryption

Recognizing data: HTML, DOC, JPEG, MP3, AVI, Sockets







Interhost communication

Session establishment in TCP, SIP, RTP, RPC-Named pipes





A. Transport

End-to-end connections and reliability

TCP, UDP, SCTP, SSL, TLS











3. Network

Path determination and logical addressing

IP, ARP, IPsec, ICMP, IGMP, OSPF





2. Data Link

Physical addressing

Ethernet, 802.11, MAC/LLC, VALN, ATM, HDP, Fibre Channel, Frame Relay, HDLC, PPP, Q.921, Token Ring



1. Physical

Media, signal, and binary transmission

RS-232, RJ45, V.34, 100BASE-TX, SDH, DSL, 802.11

TCP/IP model Protocols and services OSI model Application HTTP, FTTP, Presentation Application Telnet, NTP, DHCP, PING Session Transport Transport TCP, UDP Network Network IP, ARP, ICMP, IGMP Data Link Network Ethernet Interface Physical