



## Application Layer Protocols and Port Numbers

Study this set online at: <https://www.cram.com/flashcards/application-layer-protocols-and-port-numbers-643487>

FTP - File Transfer Protocol transfers files between clients and servers.	TCP 20(DATA) 21 (CONTROL)
SSH & SCP Secure Shell & Secure Copy. A replacement for Telnet and FTP using encryption vs. clear text.	TCP 22
Telnet allows a user to log in remotely and execute commands on a remote host.	TCP 23
SMTP Simple Mail Transfer Protocol for sending mail server to server or client to server.	TCP 25
DNS - Domain Name Service for domain name resolution.	TCP and UDP 53
TFTP - Trivial File Transfer Protocol transfers files between servers and client without requiring a user login.	UDP 69
HTTP - Hypertext Transfer Protocol for web browser connections.	TCP 80
POP3 - Post Office Protocol - Email clients retrieve email from servers	TCP 110



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NNTP - Network News Transfer Protocol transfers news group messages.

UDP 119

NTP - Network Time Protocol - synchronize the time clock on TCP/IP hosts.

UDP 123

NetBIOS Name Service for Microsoft File and Print Sharing

TCP 137

NetBIOS Datagram Service for Microsoft File and Print Sharing

TCP 138

NetBIOS Session Service for Microsoft File and Print Sharing

TCP 139

IMAP - Internet Message Access Protocol to access email messages while leaving them on the server

TCP 143

SNMP - Simple Network Management Protocol for Network management to remotely monitor network devices

UDP 161

LDAP - Lightweight Directory Access Protocol to search and update information in directories.

TCP 389



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HTTPS - HTTP over SSL (Secure Sockets Layer) for encrypted web browser connections	TCP 443
Raw SMB - When NetBIOS support is disabled, Microsoft File and Print Sharing uses this port.	TCP 445
IGMP - Internet Group Multicast Protocol to register as members of a multicast group.	UDP 463
LPR - Line Printer Protocol used to communicate between LPR client and LPD Line Printer Daemon Server. Typically Unix/Linux.	TCP 515