

UDP

UDP is an abbreviation for User Datagram Protocol. UDP is a connectionless protocol that is ported to IP. Unlike TCP it does not require an acknowledgement to its packets to make sure that they arrived at their destination. It is used primarily for broadcasting messages over a network. There are 65,536 UDP ports. The UDP port is specified by 16 bits in an IP packet.

TCP

TCP is an abbreviation for Transmission Control Protocol. TCP is a connection oriented protocol in the TCP/IP protocol suite. TCP is the main protocol on an IP network. TCP is used to establish a connection between two IP hosts. It guarantees the delivery of packets and also guarantees that the packets are received in the same order that they were sent. There are 65,536 TCP ports. The TCP port is specified by 16 bits in an IP packet.

TCP/UDP Port List

Service Name	UDP Port	TCP Port
FTP-Data		20
FTP (File Transfer Protocol)		21
Telnet		23
SMTP (Simple Mail Transfer Protocol)		25
WINS (Windows Internet Naming Service)	42	42
DNS (Domain Naming Service)	53	53
Bootstrap Protocol Server (DHCP)	67	
Bootstrap Protocol Client (DHCP)	68	
TFTP (Trivial File Transfer Protocol)	69	
HTTP (HyperText Transport Protocol)		80
Kerberos Authentication Service	88	88
POP2 (Post Office Protocol - Version 2)		109
POP3 (Post Office Protocol - Version 3)		110
Client/Server Communication		135
NetBIOS Name Service	137	137
NetBIOS Datagram Service	138	
NetBIOS Session Service		139
IMAP (Internet Message Access Protocol)		143
SNMP (Simple Network Management Protocol)	161	
SNMP Trap	162	
LDAP (Lightweight Directory Access Protocol)		389
HTTPS (SSL Secure Socket Layer)	443	443
Microsoft Directory Services	445	445
Microsoft-SQL-Server	1433	1433
Microsoft-SQL-Server Monitor	1434	1434
L2TP (Layer Two Tunneling Protocol)	1701	
PPTP (Point-to-point tunnelling protocol)		1723
RADIUS authentication protocol	1812	
RADIUS accounting protocol	1813	

NFS server	2049	
MYSQL		3306
Terminal Services		3389
PC-Anywhere Data		5631
PC-Anywhere Statistics		5632
VNC Web Access (Virtual Network Computing)		5800
VNC (Virtual Network Computing)		5900