

List of TCP and UDP Port Numbers

In [computer networking](#), the protocols of the [Transport Layer](#) of the [Internet Protocol Suite](#), most notably the [Transmission Control Protocol](#) (TCP) and the [User Datagram Protocol](#) (UDP), but also other protocols, use a numerical identifier for the data structures of the endpoints for host-to-host communications. Such an endpoint is known as a **port** and the identifier is the **port number**.

Well known ports: 1 - 1023

Port	Application
1/TCP,UDP	TCP Port Service Multiplexer
2/TCP,UDP	Management Utility
3/TCP,UDP	Compression Process
5/TCP,UDP	Remote Job Entry
7/TCP,UDP	Echo
9/TCP,UDP	Discard
11/TCP,UDP	Active Users
13/TCP,UDP	DAYTIME - (RFC 867)
17/TCP,UDP	Quote of the Day
18/TCP,UDP	Message Send Protocol

19/TCP,UDP	Character Generator
20/TCP	FTP - data
21/TCP	FTP —control (command)
22/TCP,UDP	Secure Shell (SSH)—used for secure logins, file transfers (scp , sftp) and port forwarding
23/TCP	Telnet protocol—unencrypted text communications
25/TCP	Simple Mail Transfer Protocol (SMTP)—used for e-mail routing between mail servers
26/TCP,UDP	RSFTP—a simple FTP-like protocol
35/TCP,UDP	Any private printer server protocol
35/TCP,UDP	QMS Magicolor 2 printer server protocol
37/TCP,UDP	TIME protocol
39/TCP,UDP	Resource Location Protocol ^[3] (RLP)—used for determining the location of higher level services from hosts on a network
41/TCP,UDP	Graphics
42/TCP,UDP	nameserver, ARPA Host Name Server Protocol

42/TCP,UDP	WINS
43/TCP	WHOIS protocol
49/TCP,UDP	TACACS Login Host protocol
52/TCP,UDP	XNS (Xerox Network Services) Time Protocol
53/TCP,UDP	Domain Name System (DNS)
54/TCP,UDP	XNS (Xerox Network Services) Clearinghouse
56/TCP,UDP	XNS (Xerox Network Services) Authentication
56/TCP,UDP	RAP (Route Access Protocol) ^[4]
57/TCP	MTP, Mail Transfer Protocol
58/TCP,UDP	XNS (Xerox Network Services) Mail
67/UDP	Bootstrap Protocol (BOOTP) Server; also used by Dynamic Host Configuration Protocol (DHCP)
68/UDP	Bootstrap Protocol (BOOTP) Client; also used by Dynamic Host Configuration Protocol (DHCP)
69/UDP	Trivial File Transfer Protocol (TFTP)
70/TCP	Gopher protocol

79/TCP	Finger protocol
80/TCP	Hypertext Transfer Protocol (HTTP)
81/TCP	Torpark — Onion routing
82/UDP	Torpark —Control
83/TCP	MIT ML Device
88/TCP	Kerberos —authentication system
90/TCP,UDP	dnsix (DoD Network Security for Information Exchange) Securit Attribute Token Map
90/TCP,UDP	Pointcast
101/TCP	NIC host name
102/TCP	ISO-TSAP (Transport Service Access Point) Class 0 protocol ^[5]
104/TCP,UDP	ACR/NEMA Digital Imaging and Communications in Medicine
107/TCP	Remote TELNET Service ^[6] protocol
109/TCP	Post Office Protocol 2 (POP2)
110/TCP	Post Office Protocol 3 (POP3)

111/TCP,UDP	Sun Remote Procedure Call
113/UDP	ident —old user identification system, still used by IRC servers to identify users
113/TCP,UDP	Authentication Service (auth)
115/TCP	Simple File Transfer Protocol (SFTP)
117/TCP	UUCP Path Service
118/TCP,UDP	SQL (Structured Query Language) Services
119/TCP	Network News Transfer Protocol (NNTP)—used for retrieving newsgroup messages
123/UDP	Network Time Protocol (NTP)—used for time synchronization
135/TCP,UDP	DCE endpoint resolution
135/TCP,UDP	Microsoft EPMAP (End Point Mapper), also known as DCE/ RPC Locator service ^[7] , used to remotely manage services including DHCP server , DNS server and WINS
137/TCP,UDP	NetBIOS NetBIOS Name Service
138/TCP,UDP	NetBIOS NetBIOS Datagram Service
139/TCP,UDP	NetBIOS NetBIOS Session Service

143/TCP,UDP	Internet Message Access Protocol (IMAP)—used for retrieving, organizing, and synchronizing e-mail messages
152/TCP,UDP	Background File Transfer Program (BFTP) ^[8]
153/TCP,UDP	SGMP, Simple Gateway Monitoring Protocol
156/TCP,UDP	SQL Service
158/TCP,UDP	DMSP, Distributed Mail Service Protocol
161/TCP,UDP	Simple Network Management Protocol (SNMP)
162/TCP,UDP	Simple Network Management Protocol Trap (SNMPTRAP) ^[9]
170/TCP	Print-srv, Network PostScript
177/TCP,UDP	X Display Manager Control Protocol (XDMCP)
179/TCP	BGP (Border Gateway Protocol)
194/UDP	IRC (Internet Relay Chat)
201/TCP,UDP	AppleTalk Routing Maintenance
209/TCP,UDP	The Quick Mail Transfer Protocol
213/TCP,UDP	IPX

218/TCP,UDP	MPP, Message Posting Protocol
220/TCP,UDP	IMAP, Interactive Mail Access Protocol, version 3
259/TCP,UDP	ESRO, Efficient Short Remote Operations
264/TCP,UDP	BGMP , Border Gateway Multicast Protocol
311/TCP	Mac OS X Server Admin (officially AppleShare IP Web administration)
308/TCP	Novastor Online Backup
318/TCP,UDP	PKIX TSP, Time Stamp Protocol
323/TCP,UDP	IMMP, Internet Message Mapping Protocol
366/TCP,UDP	ODMR, On-Demand Mail Relay
369/TCP,UDP	Rpc2portmap
371/TCP,UDP	ClearCase albd
383/TCP,UDP	HP data alarm manager
384/TCP,UDP	A Remote Network Server System
387/TCP,UDP	AURP, AppleTalk Update-based Routing Protocol

389/TCP,UDP	Lightweight Directory Access Protocol (LDAP)
401/TCP,UDP	UPS Uninterruptible Power Supply
402/TCP	Altiris , Altiris Deployment Client
411/TCP	Direct Connect Hub
412/TCP	Direct Connect Client-to-Client
427/TCP,UDP	Service Location Protocol (SLP)
443/TCP	Hypertext Transfer Protocol over TLS/SSL (HTTPS)
444/TCP,UDP	SNPP , Simple Network Paging Protocol (RFC 1568)
445/TCP	Microsoft-DS Active Directory , Windows shares
445/UDP	Microsoft-DS SMB file sharing
464/TCP,UDP	Kerberos Change/Set password
465/TCP	Cisco protocol
465/TCP	SMTP over SSL
475/TCP	tcpnethasprv (Hasp services, TCP/IP version)

497/TCP	Dantz Retrospect
500/UDP	Internet Security Association and Key Management Protocol (ISAKMP)
502/TCP,UDP	Modbus , Protocol
512/TCP	Rexec , Remote Process Execution
512/UDP	comsat, together with biff
513/TCP	Login
513/UDP	Who
514/TCP	Shell —used to execute non-interactive commands on a remote system
514/UDP	Syslog —used for system logging
515/TCP	Line Printer Daemon —print service
517/UDP	Talk
518/UDP	NTalk
520/TCP	efs, extended file name server
520/UDP	Routing— RIP

524/TCP,UDP	NCP (NetWare Core Protocol) is used for a variety things such as access to primary NetWare server resources, Time Synchronization, etc.
525/UDP	Timed, Timeserver
530/TCP,UDP	RPC
531/TCP,UDP	AOL Instant Messenger, IRC
532/TCP	netnews
533/UDP	netwall, For Emergency Broadcasts
540/TCP	UUCP (Unix-to-Unix Copy Protocol)
542/TCP,UDP	commerce (Commerce Applications)
543/TCP	klogin, Kerberos login
544/TCP	kshell, Kerberos Remote shell
546/TCP,UDP	DHCPv6 client
547/TCP,UDP	DHCPv6 server
548/TCP	Apple Filing Protocol (AFP) over TCP
550/UDP	new-rwho, new-who

554/TCP,UDP	Real Time Streaming Protocol (RTSP)
556/TCP	Remotefs, RFS , rfs_server
560/UDP	rmonitor, Remote Monitor
561/UDP	monitor
563/TCP,UDP	NNTP protocol over TLS/SSL (NNTPS)
587/TCP	e-mail message submission ^[10] (SMTP)
591/TCP	FileMaker 6.0 (and later) Web Sharing (HTTP Alternate, also see port 80)
593/TCP,UDP	HTTP RPC Ep Map, Remote procedure call over Hypertext Transfer Protocol , often used by Distributed Component Object Model services and Microsoft Exchange Server
604/TCP	TUNNEL profile ^[11] , a protocol for BEEP peers to form an application layer tunnel
623/UDP	ASF Remote Management and Control Protocol</ref> (ASF-RMCP)
631/TCP,UDP	Internet Printing Protocol (IPP)
636/TCP,UDP	Lightweight Directory Access Protocol over TLS/SSL (LDAPS)
639/TCP,UDP	MSDP, Multicast Source Discovery Protocol

646/TCP,UDP	LDP, Label Distribution Protocol , a routing protocol used in MPLS networks
647/TCP	DHCP Failover protocol ^[12]
648/TCP	RRP (Registry Registrar Protocol) ^[13]
652/TCP	DTCP, Dynamic Tunnel Configuration Protocol
654/TCP	AODV (Ad-hoc On-demand Distance Vector)
655/TCP	IEEE MMS (IEEE Media Management System) ^{[14][15]}
657/TCP,UDP	IBM RMC (Remote monitoring and Control) protocol, used by System p5 AIX Integrated Virtualization Manager (IVM) ^[16] and Hardware Management Console to connect managed logical partitions (LPAR) to enable dynamic partition reconfiguration
660/TCP	Mac OS X Server administration
665/TCP	sun-dr, Remote Dynamic Reconfiguration
666/UDP	Doom , first online first-person shooter
674/TCP	ACAP (Application Configuration Access Protocol)
691/TCP	MS Exchange Routing
692/TCP	Hyperwave-ISP

694/UDP	Linux-HA High availability Heartbeat
695/TCP	IEEE-MMS-SSL (IEEE Media Management System over SSL) ^[17]
698/UDP	OLSR (Optimized Link State Routing)
699/TCP	Access Network
700/TCP	EPP (Extensible Provisioning Protocol), a protocol for communication between domain name registries and registrars (RFC 4934)
701/TCP	LMP (Link Management Protocol (Internet)) ^[18] , a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links
702/TCP	IRIS ^{[19][20]} (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) ^[21] (RFC 3983)
706/TCP	SILC , Secure Internet Live Conferencing
711/TCP	Cisco TDP , Tag Distribution Protocol ^{[22][23][24]} —being replaced by the MPLS Label Distribution Protocol ^[25]
712/TCP	TBRPF , Topology Broadcast based on Reverse-Path Forwarding routing protocol (RFC 3684)
712/UDP	Promise RAID Controller
720/TCP	SMQP, Simple Message Queue Protocol
749/TCP,UDP	Kerberos administration

750/TCP	rfile
750/UDP	loadav
750/UDP	kerberos-iv, Kerberos version IV
751/TCP,UDP	pump
751/TCP,UDP	kerberos_master, Kerberos authentication
752/TCP	qrh
752/UDP	qrh
752/UDP	userreg_server, Kerberos Password (kpasswd) server
753/TCP	Reverse Routing Header (rrh) ^[26]
753/UDP	Reverse Routing Header (rrh)
753/UDP	passwd_server, Kerberos userreg server
754/TCP	tell send
754/TCP	krb5_prop, Kerberos v5 slave propagation
754/UDP	tell send

760/TCP,UDP	ns
760/TCP,UDP	krbupdate [kreg], Kerberos registration
782/TCP	Conserver serial-console management server
783/TCP	SpamAssassin spamd daemon
829/TCP	CMP (Certificate Management Protocol)
860/TCP	iSCSI (RFC 3720)
873/TCP	rsync file synchronisation protocol
888/TCP	cddbp, CD DataBase (CDDB) protocol (CDDBP)—unassigned but widespread use
901/TCP	Samba Web Administration Tool (SWAT)
901/TCP, UDP	VMware Virtual Infrastructure Client (UDP from server being managed to management console)
902/TCP	VMware Server Console (TCP from management console to server being Managed) ^[27]
904/TCP	VMware Server Alternate (if 902 is in use, i.e. SUSE linux)
911/TCP	Network Console on Acid (NCA)—local tty redirection over OpenSSH

953/TCP,UDP	Domain Name System (DNS) RDNC Service
981/TCP	SofaWare Technologies Remote HTTPS management for firewall devices running embedded Check Point FireWall-1 software
989/TCP,UDP	FTPS Protocol (data): FTP over TLS/SSL
990/TCP,UDP	FTPS Protocol (control): FTP over TLS/SSL
991/TCP,UDP	NAS (Netnews Administration System)
992/TCP,UDP	TELNET protocol over TLS/SSL
993/TCP	Internet Message Access Protocol over SSL (IMAPS)
995/TCP	Post Office Protocol 3 over TLS/SSL (POP3S)
1023/TCP,UDP	Reserved ^[1]

Note: Ports above 1023 (1024 – 49151) are classified as ‘Registered’ ports.

Source: From Wikipedia, the free encyclopedia – extracted on 11/21/2008