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List of TCP and UDP port numbers

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The Transmission Control Protocol (TCP) and the User Datagram Protocol (UDP) are Transport Layer protocols used within the Internet Protocol Suite for communication between computers. The Internet Assigned Numbers Authority (IANA) is responsible for maintaining the official assignments of port numbers for specific uses.^[1]

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Ranges

The port numbers are divided into three ranges:

- The *Well Known Ports* are those in the range 0–1023. On Unix-like operating systems, opening a port in this range to receive incoming connections requires administrative privileges or possessing *CAP_NET_BIND_SERVICE* capability^[2].
- The *Registered Ports* are those in the range 1024–49151.
- The *Dynamic and/or Private Ports* are those in the range 49152–65535. Randomly chosen port numbers out of this range are called ephemeral ports. These ports are not permanently assigned to any publicly defined application.

IANA does not enforce this; it is simply a set of recommended uses. Sometimes ports may be used for different applications or protocols than their official IANA designation. This misuse may be, for example, by a Trojan horse, or alternatively by a commonly used program that did not get an IANA registered port or port range.

Table legend

Color coding of table entries

- Official Port/application combination is registered with IANA
- Unofficial Port/application combination is **not** registered with IANA
- Conflict Port is in use for multiple applications

Well known ports: 1 - 1023

Port	Application	Status
21/TCP	FTP—control (command)	Official
22/TCP,UDP	Secure Shell (SSH)—used for secure logins, file transfers (scp, sftp) and port forwarding	Official
23/TCP,UDP	Telnet protocol—unencrypted text communications	Official
25/TCP,UDP	Simple Mail Transfer Protocol (SMTP)—used for e-mail routing between mail servers	Official
26/TCP,UDP	RSFTP—a simple FTP-like protocol	Unofficial
35/TCP,UDP	Any private printer server protocol	Official
35/TCP,UDP	QMS (http://www.qms.com/) Magicolor 2 (http://printer.konicaminolta.net/support/current_printers/mc2_sup.htm#Printer_Specific_Document/#Printer_Specific_Document) printer server protocol	Unofficial
37/TCP,UDP	TIME protocol	Official
39/TCP,UDP	Resource Location Protocol ^[3] (RLP)—used for determining the location of higher level services from hosts on a network	Official
41/TCP,UDP	Graphics	Official
42/TCP,UDP	nameserver, ARPA Host Name Server Protocol	Official
42/TCP,UDP	WINS	Unofficial
43/TCP	WHOIS protocol	Official
49/TCP,UDP	TACACS Login Host protocol	Official
52/TCP,UDP	XNS (Xerox Network Services) Time Protocol	Official
53/TCP,UDP	Domain Name System (DNS)	Official
54/TCP,UDP	XNS (Xerox Network Services) Clearinghouse	Official
56/TCP,UDP	XNS (Xerox Network Services) Authentication	Official
56/TCP,UDP	RAP (Route Access Protocol) ^[4]	Unofficial
57/TCP	MTP, Mail Transfer Protocol	Unofficial
58/TCP,UDP	XNS (Xerox Network Services) Mail	Official
67/UDP	Bootstrap Protocol (BOOTP) Server; also used by Dynamic Host Configuration Protocol (DHCP)	Official
68/UDP	Bootstrap Protocol (BOOTP) Client; also used by Dynamic Host Configuration Protocol (DHCP)	Official
69/UDP	Trivial File Transfer Protocol (TFTP)	Official
70/TCP	Gopher protocol	Official
79/TCP	Finger protocol	Official
80/TCP	Hypertext Transfer Protocol (HTTP)	Official

81/TCP	Torpark—Onion routing	Unofficial
82/UDP	Torpark—Control	Unofficial
83/TCP	MIT ML Device	Official
88/TCP	Kerberos—authentication system	Official
90/TCP,UDP	dnsix (DoD Network Security for Information Exchange) Securit Attribute Token Map	Official
90/TCP,UDP	Pointcast	Unofficial
101/TCP	NIC host name	Official
102/TCP	ISO-TSAP (Transport Service Access Point) Class 0 protocol ^[5]	Official
104/TCP,UDP	ACR/NEMA Digital Imaging and Communications in Medicine	Official
107/TCP	Remote TELNET Service ^[6] protocol	Official
109/TCP	Post Office Protocol 2 (POP2)	Official
110/TCP	Post Office Protocol 3 (POP3)	Official
111/TCP,UDP	Sun Remote Procedure Call	Official
113/TCP	ident—old user identification system, still used by IRC servers to identify users	Official
113/TCP,UDP	Authentication Service (auth)	Official
115/TCP	Simple File Transfer Protocol (SFTP)	Official
117/TCP	UUCP Path Service	Official
118/TCP,UDP	SQL (Structured Query Language) Services	Official
119/TCP	Network News Transfer Protocol (NNTP)—used for retrieving newsgroup messages	Official
123/UDP	Network Time Protocol (NTP)—used for time synchronization	Official
135/TCP,UDP	DCE endpoint resolution	Official
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	Unofficial
137/TCP,UDP	NetBIOS NetBIOS Name Service	Official
138/TCP,UDP	NetBIOS NetBIOS Datagram Service	Official
139/TCP,UDP	NetBIOS NetBIOS Session Service	Official
143/TCP,UDP	Internet Message Access Protocol (IMAP)—used for retrieving, organizing, and synchronizing e-mail messages	Official
152/TCP,UDP	Background File Transfer Program (BFTP) ^[8]	Official
153/TCP,UDP	SGMP, Simple Gateway Monitoring Protocol	Official
156/TCP,UDP	SQL Service	Official
158/TCP,UDP	DMSP, Distributed Mail Service Protocol	Unofficial
161/TCP,UDP	Simple Network Management Protocol (SNMP)	Official

162/TCP,UDP	Simple Network Management Protocol Trap (SNMPTRAP) ^[9]	Official
170/TCP	Print-srv, Network PostScript	Official
179/TCP	BGP (Border Gateway Protocol)	Official
194/TCP	IRC (Internet Relay Chat)	Official
201/TCP,UDP	AppleTalk Routing Maintenance	Official
209/TCP,UDP	The Quick Mail Transfer Protocol	Official
213/TCP,UDP	IPX	Official
218/TCP,UDP	MPP, Message Posting Protocol	Official
220/TCP,UDP	IMAP, Interactive Mail Access Protocol, version 3	Official
259/TCP,UDP	ESRO, Efficient Short Remote Operations	Official
264/TCP,UDP	BGMP, Border Gateway Multicast Protocol	Official
311/TCP	Mac OS X Server Admin (officially AppleShare IP Web administration)	Official
308/TCP	Novastor Online Backup	Official
318/TCP,UDP	PKIX TSP, Time Stamp Protocol	Official
323/TCP,UDP	IMMP, Internet Message Mapping Protocol	Unofficial
366/TCP,UDP	ODMR, On-Demand Mail Relay	Official
369/TCP,UDP	Rpc2portmap	Official
371/TCP,UDP	ClearCase albd	Official
383/TCP,UDP	HP data alarm manager	Official
384/TCP,UDP	A Remote Network Server System	Official
387/TCP,UDP	AURP, AppleTalk Update-based Routing Protocol	Official
389/TCP,UDP	Lightweight Directory Access Protocol (LDAP)	Official
401/TCP,UDP	UPS Uninterruptible Power Supply	Official
402/TCP	Altiris, Altiris Deployment Client	Unofficial
411/TCP	Direct Connect Hub	Unofficial
412/TCP	Direct Connect Client-to-Client	Unofficial
427/TCP,UDP	Service Location Protocol (SLP)	Official
443/TCP	Hypertext Transfer Protocol over TLS/SSL (HTTPS)	Official
444/TCP,UDP	SNPP, Simple Network Paging Protocol (RFC 1568)	Official
445/TCP	Microsoft-DS Active Directory, Windows shares	Official
445/UDP	Microsoft-DS SMB file sharing	Official
464/TCP,UDP	Kerberos Change/Set password	Official
465/TCP	Cisco protocol	Unofficial
465/TCP	SMTP over SSL	Unofficial
475/TCP	tcpnethaspsrv (Hasp services, TCP/IP version)	Official

497/TCP	Dantz Retrospect	Official
500/UDP	Internet Security Association and Key Management Protocol (ISAKMP)	Official
502/TCP,UDP	Modbus, Protocol	Unofficial
512/TCP	exec, Remote Process Execution	Official
512/UDP	comsat, together with biff	Official
513/TCP	Login	Official
513/UDP	Who	Official
514/TCP	Shell—used to execute non-interactive commands on a remote system	Official
514/UDP	Syslog—used for system logging	Official
515/TCP	Line Printer Daemon—print service	Official
517/UDP	Talk	Official
518/UDP	NTalk	Official
520/TCP	efs, extended file name server	Official
520/UDP	Routing—RIP	Official
524/TCP,UDP	NCP (NetWare Core Protocol) is used for a variety things such as access to primary NetWare server resources, Time Synchronization, etc.	Official
525/UDP	Timed, Timeserver	Official
530/TCP,UDP	RPC	Official
531/TCP,UDP	AOL Instant Messenger, IRC	Unofficial
532/TCP	netnews	Official
533/UDP	netwall, For Emergency Broadcasts	Official
540/TCP	UUCP (Unix-to-Unix Copy Protocol)	Official
542/TCP,UDP	commerce (Commerce Applications)	Official
543/TCP	klogin, Kerberos login	Official
544/TCP	kshell, Kerberos Remote shell	Official
546/TCP,UDP	DHCPv6 client	Official
547/TCP,UDP	DHCPv6 server	Official
548/TCP	Apple Filing Protocol (AFP) over TCP	Official
550/UDP	new-rwho, new-who	Official
554/TCP,UDP	Real Time Streaming Protocol (RTSP)	Official
556/TCP	Remotefs, RFS, rfs_server	Official
560/UDP	rmonitor, Remote Monitor	Official
561/UDP	monitor	Official
563/TCP,UDP	NNTP protocol over TLS/SSL (NNTPS)	Official
587/TCP	e-mail message submission ^[10] (SMTP)	Official

591/TCP	FileMaker 6.0 (and later) Web Sharing (HTTP Alternate, also see port 80)	Official
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	Official
604/TCP	TUNNEL profile ^[11] , a protocol for BEEP peers to form an application layer tunnel	Official
623/UDP	ASF Remote Management and Control Protocol (ASF-RMCP)	Official
631/TCP,UDP	Internet Printing Protocol (IPP)	Official
636/TCP,UDP	Lightweight Directory Access Protocol over TLS/SSL (LDAPS)	Official
639/TCP,UDP	MSDP, Multicast Source Discovery Protocol	Official
646/TCP,UDP	LDP, Label Distribution Protocol, a routing protocol used in MPLS networks	Official
647/TCP	DHCP Failover protocol ^[12]	Official
648/TCP	RRP (Registry Registrar Protocol) ^[13]	Official
652/TCP	DTCP, Dynamic Tunnel Configuration Protocol	Unofficial
654/TCP	AODV (Ad-hoc On-demand Distance Vector)	Official
655/TCP	IEEE MMS (IEEE Media Management System) ^{[14][15]}	Official
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	Official
660/TCP	Mac OS X Server administration	Official
665/TCP	sun-dr, Remote Dynamic Reconfiguration	Unofficial
666/UDP	Doom, first online first-person shooter	Official
674/TCP	ACAP (Application Configuration Access Protocol)	Official
691/TCP	MS Exchange Routing	Official
692/TCP	Hyperwave-ISP	Official
694/UDP	Linux-HA High availability Heartbeat	Unofficial
695/TCP	IEEE-MMS-SSL (IEEE Media Management System over SSL) ^[17]	Official
698/UDP	OLSR (Optimized Link State Routing)	Official
699/TCP	Access Network	Official
700/TCP	EPP (Extensible Provisioning Protocol), a protocol for communication between domain name registries and registrars (RFC 4934)	Official
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	Official
702/TCP	IRIS ^{[19][20]} (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) ^[21] (RFC 3983)	Official

706/TCP	SILC, Secure Internet Live Conferencing	Official
711/TCP	Cisco TDP, Tag Distribution Protocol ^{[22][23][24]} —being replaced by the MPLS Label Distribution Protocol ^[25]	Official
712/TCP	TBRPF, Topology Broadcast based on Reverse-Path Forwarding routing protocol (RFC 3684)	Official
712/UDP	Promise RAID Controller	Unofficial
720/TCP	SMQP, Simple Message Queue Protocol	Unofficial
749/TCP,UDP	Kerberos administration	Official
750/TCP	rfile	Official
750/UDP	loadav	Official
750/UDP	kerberos-iv, Kerberos version IV	Official
751/TCP,UDP	pump	Official
751/TCP,UDP	kerberos_master, Kerberos authentication	Unofficial
752/TCP	qrh	Official
752/UDP	qrh	Official
752/UDP	userreg_server, Kerberos Password (kpasswd) server	Unofficial
753/TCP	Reverse Routing Header (rrh) ^[26]	Official
753/UDP	Reverse Routing Header (rrh)	Official
753/UDP	passwd_server, Kerberos userreg server	Unofficial
754/TCP	tell send	Official
754/TCP	krb5_prop, Kerberos v5 slave propagation	Unofficial
754/UDP	tell send	Official
760/TCP,UDP	ns	Official
760/TCP,UDP	krbupdate [kreg], Kerberos registration	Unofficial
782/TCP	Conserver serial-console management server	Unofficial
783/TCP	SpamAssassin spamd daemon	Unofficial
829/TCP	CMP (Certificate Management Protocol)	Unofficial
860/TCP	iSCSI (RFC 3720)	Official
873/TCP	rsync file synchronisation protocol	Official
888/TCP	cddb, CD DataBase (CDDB) protocol (CDDBP)—unassigned but widespread use	Unofficial
901/TCP	Samba Web Administration Tool (SWAT)	Unofficial
902/TCP	VMware Server Console ^[27]	Unofficial
904/TCP	VMware Server Alternate (if 902 is in use, i.e. SUSE linux)	Unofficial
911/TCP	Network Console on Acid (NCA)—local tty redirection over OpenSSH	Unofficial

953/TCP,UDP	Domain Name System (DNS) RDNC Service	Official
981/TCP	SofaWare Technologies Remote HTTPS management for firewall devices running embedded Check Point FireWall-1 software	Unofficial
989/TCP,UDP	FTP Protocol (data) over TLS/SSL	Official
990/TCP,UDP	FTP Protocol (control) over TLS/SSL	Official
991/TCP,UDP	NAS (http://www.ietf.org/rfc/rfc4707.txt) (Netnews Administration System)	Official
992/TCP,UDP	TELNET protocol over TLS/SSL	Official
993/TCP	Internet Message Access Protocol over SSL (IMAPS)	Official
995/TCP	Post Office Protocol 3 over TLS/SSL (POP3S)	Official
1023/TCP,UDP	Reserved ^[1]	Official

Registered ports: 1024–49151

Only those ports that are commonly used are listed; for full list, refer to the IANA port list.^[1]

When investigating TCP traffic, be careful not to confuse the client and server ports. The client port is incremental, typically beginning at 1024 at boot time and wrapping at 4096. If the port you are investigating is in the lower part of this range, it may be a client port. Stateful firewalls identify the server port, but packet sniffers and stateless firewalls do not. For example, a packet sniffer showing a TCP packet with source port 1080 and destination port 1494 might be either the SOCKeTS or Citrix Independent Computing Architecture (ICA) protocols. The only way to know for sure is to examine the initial TCP handshake.

With UDP, client port selection depends on the application and may be incremental, fixed to a nonsensical value, or fixed equal to the server port.

Port	Description	Status
1024/TCP,UDP	Reserved ^[1]	Official
1025/TCP	NFS-or-IIS	Unofficial
1026/TCP	Often utilized by Microsoft DCOM services	Unofficial
1029/TCP	Often utilized by Microsoft DCOM services	Unofficial
1058/TCP,UDP	nim, IBM AIX Network Installation Manager (http://www.redbooks.ibm.com/abstracts/sg247296.html?Open) (NIM)	Official
1059/TCP,UDP	nimreg, IBM AIX Network Installation Manager (http://www.redbooks.ibm.com/abstracts/sg247296.html?Open) (NIM)	Official
1080/TCP	SOCKS proxy	Official
1085/TCP,UDP	WebObjects	Official
1098/TCP,UDP	rmiactivation, RMI Activation	Official

1099/TCP,UDP	rmiregistry, RMI Registry	Official
1109/TCP,UDP	Reserved ^[1]	Official
1109/TCP	Kerberos Post Office Protocol (KPOP)	Unofficial
1140/TCP,UDP	AutoNOC (http://www.autonoc.com/) Network Operations protocol	Official
1167/UDP	phone, conference calling	Unofficial
1169/TCP,UDP	Tripwire	Official
1176/TCP	Perceptive Automation (http://www.perceptiveautomation.com/corp/overview.html) Indigo (http://www.perceptiveautomation.com/indigo/) Home automation server	Official
1182/TCP,UDP	AcceleNet (http://www.accelenet.com/products-technology.htm) Intelligent Transfer Protocol (http://www.accelenet.com/support-technical-library.htm)	Official
1194/TCP,UDP	OpenVPN	Official
1198/TCP,UDP	The cajo project Free dynamic transparent distributed computing in Java	Official
1200/TCP	scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request ^[28]	Official
1200/UDP	scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request	Official
1200/UDP	Steam Friends Applet	Unofficial
1214/TCP	Kazaa	Official
1220/TCP	QuickTime Streaming Server administration	Official
1223/TCP,UDP	TGP, TrulyGlobal (http://www.vocaltec.com/) Protocol, also known as "The Gur Protocol" (named for Gur Kimchi of TrulyGlobal)	Official
1241/TCP,UDP	Nessus Security Scanner	Official
1248/TCP	NSClient/NSClient++/NC_Net (Nagios)	Unofficial
1270/TCP,UDP	Microsoft System Center Operations Manager (SCOM) (formerly Microsoft Operations Manager (MOM)) agent	Official
1311/TCP	Dell Open Manage HTTPS	Unofficial
1313/TCP	Xbiim (Canvii server)	Unofficial
1337/TCP	WASTE Encrypted File Sharing Program	Unofficial
1352/TCP	IBM Lotus Notes/Domino Remote Procedure Call (http://www-12.lotus.com/ldd/doc/domino_notes/7.0/help7_designer.nsf/f4b82fbb75e942a6852566ac0037f284/490ed302dc02dc868525704a003f3429?OpenDocument) (RPC) protocol	Official
1387/TCP,UDP	cadsi-lm, LMS International (http://www.lmsintl.com/support/current-releases) (formerly Computer Aided Design Software, Inc. (CADSI)) LM	Official
1414/TCP	IBM WebSphere MQ (formerly known as MQSeries)	Official
1417/TCP,UDP	Timbuktu Service 1 Port	Official

1418/TCP,UDP	Timbuktu Service 2 Port	Official
1419/TCP,UDP	Timbuktu Service 3 Port	Official
1420/TCP,UDP	Timbuktu Service 4 Port	Official
1431/TCP	Reverse Gossip Transport Protocol (RGTP) (http://www.groggs.group.cam.ac.uk/protocol.txt) , used to access a General-purpose Reverse-Ordered Gossip Gathering System (GROGGS) (http://www.groggs.group.cam.ac.uk/)) bulletin board, such as that implemented on the Cambridge University's Phoenix system	Official
1433/TCP,UDP	Microsoft SQL Server database management system Server	Official
1434/TCP,UDP	Microsoft SQL Server database management system Monitor	Official
1494/TCP	Citrix XenApp Independent Computing Architecture (ICA) thin client protocol	Official
1512/TCP,UDP	Microsoft Windows Internet Name Service (WINS)	Official
1521/TCP	nCube License Manager	Official
1521/TCP	Oracle database default listener, in future releases official port 2483	Unofficial
1524/TCP,UDP	ingreslock, ingres	Official
1526/TCP	Oracle database common alternative for listener	Unofficial
1533/TCP	IBM Sametime IM—Virtual Places Chat	Official
1547/TCP,UDP	Laplink	Official
1550	Gadu-Gadu (direct client-to-client)	Unofficial
1581/UDP	MIL STD 2045-47001 VMF	Official
1589/UDP	Cisco VQP (VLAN Query Protocol) / VMPS	Unofficial
1645/TCP,UDP	radius, RADIUS authentication protocol (default for Cisco and Juniper Networks RADIUS servers)	Unofficial
1646/TCP,UDP	radacct, RADIUS accounting protocol (default for Cisco and Juniper Networks RADIUS servers)	Unofficial
1627	iSketch	Unofficial
1677/TCP,UDP	Novell GroupWise clients in client/server access mode	Official
1701/UDP	Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP)	Official
1716/TCP	America's Army Massively multiplayer online role-playing game (MMORPG)	Unofficial
1723/TCP,UDP	Microsoft Point-to-Point Tunneling Protocol (PPTP)	Official
1725/UDP	Valve Steam Client	Unofficial
1755/TCP,UDP	Microsoft Media Services (MMS, ms-streaming)	Official
1761/TCP,UDP	cft-0	Official
1761/TCP	Novell Zenworks Remote Control utility	Unofficial
1762–1768/TCP,UDP	cft-1 to cft-7	Official

1812/TCP,UDP	radius, RADIUS authentication protocol	Official
1813/TCP,UDP	radacct, RADIUS accounting protocol	Official
1863/TCP	MSNP (Microsoft Notification Protocol), used by the .NET Messenger Service and a number of Instant Messaging clients	Official
1900/UDP	Microsoft SSDP Enables discovery of UPnP devices	Official
1935/TCP	Adobe Macromedia Flash Real Time Messaging Protocol (RTMP) "plain" protocol	Official
1970/TCP,UDP	Danware NetOp (http://www.netop.com/netop-1.htm) Remote Control	Official
1971/TCP,UDP	Danware NetOp (http://www.netop.com/netop-1.htm) School	Official
1972/TCP,UDP	InterSystems Caché	Official
1975–1977/UDP	Cisco TCO (Documentation (http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html))	Official
1984/TCP	Big Brother—network monitoring tool	Official
1985/UDP	Cisco HSRP	Official
1994/TCP,UDP	Cisco STUN-SDLC (Serial Tunneling—Synchronous Data Link Control) protocol	Official
1998/TCP,UDP	Cisco X.25 over TCP (XOT) service	Official
2000/TCP,UDP	Cisco SCCP (Skinny)	Official
2001/UDP	CAPTAN Test Stand System	Unofficial
2002/TCP	Secure Access Control Server (ACS) for Windows	Unofficial
2030	Oracle Services for Microsoft Transaction Server	Unofficial
2031/TCP,UDP	mobrien-chat—obsolete (ex- http://www.mobrien.com (http://web.archive.org/web/*/http://www.mobrien.com))	Official
2049/UDP	Network File System	Official
2049/UDP	shilp	Official
2053/UDP	lot105-ds-upd Lot105 DSuper Updates	Official
2053/TCP	lot105-ds-upd Lot105 DSuper Updates	Official
2053/TCP	knetd Kerberos de-multiplexor	Unofficial
2056/UDP	Civilization 4 multiplayer	Unofficial
2073/TCP,UDP	DataReel Database	Official
2074/TCP,UDP	Vertel VMF SA (i.e. App.. SpeakFreely)	Official
2082/TCP	Infowave Mobility Server	Official
2082/TCP	CPanel default	Unofficial
2083/TCP	Secure Radius Service (radsec)	Official
2083/TCP	CPanel default SSL	Unofficial
2086/TCP	GNUnet	Official
2086/TCP	WebHost Manager default	Unofficial

2087/TCP	WebHost Manager default SSL	Unofficial
2095/TCP	CPanel default Web mail	Unofficial
2096/TCP	CPanel default SSL Web mail	Unofficial
2102/TCP,UDP	zephyr-srv Project Athena Zephyr Notification Service server	Official
2103/TCP,UDP	zephyr-clt Project Athena Zephyr Notification Service serv-hm connection	Official
2104/TCP,UDP	zephyr-hm Project Athena Zephyr Notification Service hostmanager	Official
2105/TCP,UDP	IBM MiniPay	Official
2105/TCP,UDP	eklogin Kerberos encrypted remote login (rlogin)	Unofficial
2105/TCP,UDP	zephyr-hm-srv Project Athena Zephyr Notification Service hm-serv connection (should use port 2102)	Unofficial
2161/TCP	APC Agent	Official
2181/TCP,UDP	EForward-document transport system	Official
2190/UDP	TiVoConnect Beacon	Unofficial
2200/UDP	Tuxanci game server ^[29]	Unofficial
2219/TCP,UDP	NetIQ NCAP Protocol	Official
2220/TCP,UDP	NetIQ End2End	Official
2222/TCP	DirectAdmin default	Unofficial
2222/UDP	Microsoft Office OS X antipiracy network monitor [1] (http://www.ciac.org/ciac/techbull/CIACTech02-003.shtml)	Unofficial
2301/TCP	HP System Management Redirect to port 2381	Unofficial
2302/UDP	Arma multiplayer (default for game)	Unofficial
2302/UDP	Halo: Combat Evolved multiplayer	Unofficial
2303/UDP	Arma multiplayer (default for server reporting) (<i>default port for game +1</i>)	Unofficial
2305/UDP	Arma multiplayer (default for VoN) (<i>default port for game +3</i>)	Unofficial
2369/TCP	Default for BMC Software CONTROL-M/Server—Configuration Agent, though often changed during installation	Unofficial
2370/TCP	Default for BMC Software CONTROL-M/Server—to allow the CONTROL-M/Enterprise Manager to connect to the CONTROL-M/Server, though often changed during installation	Unofficial
2381/TCP	HP Insight Manager default for Web server	Unofficial
2404/TCP	IEC 60870-5-104, used to send electric power telecontrol messages between two systems via directly connected data circuits	Official
2427/UDP	Cisco MGCP	Official
2447/TCP,UDP	ovwdb—OpenView Network Node Manager (NNM) daemon	Official
2483/TCP,UDP	Oracle database listening for unsecure client connections to the listener, replaces port 1521	Official

2484/TCP,UDP	Oracle database listening for SSL client connections to the listener	Official
2546/TCP,UDP	Vytal Vault—Data Protection Services	Unofficial
2593/TCP,UDP	RunUO—Ultima Online server	Unofficial
2598/TCP	new ICA—when Session Reliability is enabled, TCP port 2598 replaces port 1494	Unofficial
2612/TCP,UDP	QPasa from MQSoftware	Official
2710/TCP	XBT Bittorrent Tracker	Unofficial
2710/UDP	XBT Bittorrent Tracker experimental UDP tracker extension	Unofficial
2710/TCP	Knuddels.de	Unofficial
2735/TCP,UDP	NetIQ Monitor Console	Official
2809/TCP	corbaloc:iiop URL, per the CORBA 3.0.3 specification	Official
2809/TCP	IBM WebSphere Application Server (WAS) Bootstrap/rmi default	Unofficial
2809/UDP	corbaloc:iiop URL, per the CORBA 3.0.3 specification.	Official
2944/UDP	Megaco Text H.248	Unofficial
2945/UDP	Megaco Binary (ASN.1) H.248	Unofficial
2948/TCP,UDP	WAP-push Multimedia Messaging Service (MMS)	Official
2949/TCP,UDP	WAP-pushsecure Multimedia Messaging Service (MMS)	Official
2967/TCP	Symantec AntiVirus Corporate Edition	Unofficial
3000/TCP	Miralix License server	Unofficial
3000/UDP	Distributed Interactive Simulation (DIS), modifiable default	Unofficial
3001/TCP	Miralix Phone Monitor	Unofficial
3002/TCP	Miralix CSTA	Unofficial
3003/TCP	Miralix GreenBox API	Unofficial
3004/TCP	Miralix InfoLink	Unofficial
3006/TCP	Miralix SMS Client Connector	Unofficial
3007/TCP	Miralix OM Server	Unofficial
3025/TCP	netpd.org	Unofficial
3030/TCP,UDP	NetPanzer	Unofficial
3050/TCP,UDP	gds_db (Interbase/Firebird)	Official
3074/TCP,UDP	Xbox Live	Official
3128/TCP	HTTP used by Web caches and the default for the Squid cache	Unofficial
3260/TCP,UDP	iSCSI target	Official
3268/TCP,UDP	msft-gc, Microsoft Global Catalog (LDAP service which contains data from Active Directory forests)	Official
3269/TCP,UDP	msft-gc-ssl, Microsoft Global Catalog over SSL (similar to port 3268, LDAP over SSL)	Official

3283/TCP	Apple Remote Desktop reporting (officially <i>Net Assistant</i> , referring to an earlier product)	Official
3300/TCP	TripleA game server	Unofficial
3305/TCP,UDP	odette-ftp, Odette File Transfer Protocol (OFTP)	Official
3306/TCP,UDP	MySQL database system	Official
3333/TCP	Network Caller ID server	Unofficial
3386/TCP,UDP	GTP' 3GPP GSM/UMTS CDR logging protocol	Official
3389/TCP	Microsoft Terminal Server (RDP) officially registered as Windows Based Terminal (WBT)	Unofficial
3396/TCP,UDP	Novell NDPS Printer Agent	Official
3455/TCP,UDP	[RSVP] Reservation Protocol	Official
3632/TCP	distributed compiler	Official
3689/TCP	Digital Audio Access Protocol (DAAP)—used by Apple's iTunes and AirPort Express	Official
3690/TCP,UDP	Subversion version control system	Official
3702/TCP,UDP	Web Services Dynamic Discovery (WS-Discovery), used by various components of Windows Vista	Official
3724/TCP,UDP	World of Warcraft Online gaming MMORPG	Official
3724/TCP	Club Penguin Disney online game for kids	Unofficial
3784/TCP,UDP	Ventrilo VoIP program used by Ventrilo	Unofficial
3785/UDP	Ventrilo VoIP program used by Ventrilo	Unofficial
3868/TCP,SCTP	Diameter base protocol (RFC 3588)	Official
3872/TCP	Oracle Management Remote Agent	Unofficial
3899/TCP	Remote Administrator	Unofficial
3900/TCP	udt_os, IBM UniData UDT OS ^[30]	Official
3945/TCP,UDP	EMCADS service, a Girittech product used by G/On	Official
4000/TCP,UDP	Diablo II game	Unofficial
4007/TCP	PrintBuzzer printer monitoring socket server	Unofficial
4018/TCP,UDP	Unknown	Official
4089/TCP,UDP	OpenCORE Remote Control Service	Official
4093/TCP,UDP	PxPlus Client server interface ProvideX	Official
4096/TCP,UDP	Bridge-Relay Element ASCOM	Official
4100	WatchGuard Authentication Applet—default	Unofficial
4111/TCP	Xgrid	Official
4125/TCP	Microsoft Remote Web Workplace administration	Unofficial
4226/TCP,UDP	Aleph One (game)	Unofficial

4224/TCP	Cisco CDP Cisco discovery Protocol	Unofficial
4500/UDP	IPsec NAT traversal (RFC 3947)	Official
4569/UDP	Inter-Asterisk eXchange	Unofficial
4662/TCP,UDP	OrbitNet Message Service	Official
4662/TCP	often used by eMule	Unofficial
4664/TCP	Google Desktop Search	Unofficial
4672/UDP	eMule—often used	Unofficial
4747/TCP	Apprentice	Unofficial
4750/TCP	BladeLogic Agent	Unofficial
4847/TCP,UDP	Web Fresh Communication, Quadrion Software & Odorless Entertainment	Official
4993/TCP,UDP	Home FTP Server web Interface Default Port	
4894/TCP,UDP	LysKOM Protocol A	Official
4899/TCP,UDP	Radmin remote administration tool (program sometimes used as a Trojan horse)	Official
5000/TCP	complex-main	Official
5000/TCP	UPnP—Windows network device interoperability	Unofficial
5000/TCP,UDP	VTun—VPN Software	Unofficial
5001/TCP	complex-link	Official
5001/TCP,UDP	Iperf (Tool for measuring TCP and UDP bandwidth performance)	Unofficial
5001/TCP	Slingbox and Slingplayer	Unofficial
5003/TCP,UDP	FileMaker	Official
5004/TCP,UDP,DCCP	RTP (Real-time Transport Protocol) media data (RFC 3551, RFC 4571)	Official
5005/TCP,UDP,DCCP	RTP (Real-time Transport Protocol) control protocol (RFC 3551, RFC 4571)	Official
5031/TCP,UDP	AVM CAPI-over-TCP (ISDN over Ethernet tunneling)	Unofficial
5050/TCP	Yahoo! Messenger	Unofficial
5051/TCP	ita-agent Symantec Intruder Alert ^[31]	Official
5060/TCP,UDP	Session Initiation Protocol (SIP)	Official
5061/TCP	Session Initiation Protocol (SIP) over TLS	Official
5093/UDP	SPSS (Statistical Package for the Social Sciences) License Administrator	Unofficial
5104/TCP	IBM Tivoli Framework NetCOOL/Impact ^[32] HTTP Service	Unofficial
5106/TCP	A-Talk Common connection	Unofficial
5107/TCP	A-Talk Remote server connection	Unofficial
5110/TCP	ProRat Server	Unofficial
5121/TCP	Neverwinter Nights	Unofficial

5154/TCP,UDP	Bzflag	Official
5176/TCP	ConsoleWorks default UI interface	Unofficial
5190/TCP	ICQ and AOL Instant Messenger	Official
5222/TCP	Extensible Messaging and Presence Protocol (XMPP, Jabber) client connection (RFC 3920)	Official
5223/TCP	Extensible Messaging and Presence Protocol (XMPP, Jabber) client connection over SSL	Unofficial
5269/TCP	Extensible Messaging and Presence Protocol (XMPP, Jabber) server connection (RFC 3920)	Official
5298/TCP,UDP	Extensible Messaging and Presence Protocol (XMPP) link-local messaging	Official
5351/TCP,UDP	NAT Port Mapping Protocol—client-requested configuration for inbound connections through network address translators	Official
5353/UDP	Multicast DNS (MDNS)	Official
5355/TCP,UDP	LLMNR—Link-Local Multicast Name Resolution, allows hosts to perform name resolution for hosts on the same local link (only provided by Windows Vista and Server 2008)	Official
5402/TCP,UDP	mftp, Stratacache OmniCast (http://stratacache.com/1!_omnicast.html) content delivery system MFTP file sharing protocol	Official
5405/TCP,UDP	NetSupport	Official
5421/TCP,UDP	Net Support 2	Official
5432/TCP,UDP	PostgreSQL database system	Official
5445/UDP	Cisco Unified Video Advantage	Unofficial
5495/TCP	Applix TM1 Admin server	Unofficial
5498/TCP	Hotline tracker server connection	Unofficial
5499/UDP	Hotline tracker server discovery	Unofficial
5500/TCP	VNC remote desktop protocol—for incoming listening viewer, Hotline control connection	Unofficial
5501/TCP	Hotline file transfer connection	Unofficial
5517/TCP	Setiqueue Proxy server client for SETI@Home project	Unofficial
5555/TCP	Freeciv versions up to 2.0, Hewlett Packard Data Protector, SAP	Unofficial
5556/TCP,UDP	Freeciv	Official
5631/TCP	pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later ^[33]) ^[34] data	Official
5632/UDP	pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status	Official
5666/TCP	NRPE (Nagios)	Unofficial
5667/TCP	NSCA (Nagios)	Unofficial

5800/TCP	VNC remote desktop protocol—for use over HTTP	Unofficial
5814/TCP,UDP	Hewlett-Packard Support Automation (HP OpenView Self-Healing Services)	Official
5900/TCP,UDP	Virtual Network Computing (VNC) remote desktop protocol (used by Apple Remote Desktop and others)	Official
5938/TCP,UDP	TeamViewer ^[35] remote desktop protocol	Unofficial
5984/TCP,UDP	CouchDB database server	Official
6000/TCP	X11—used between an X client and server over the network	Official
6001/UDP	X11—used between an X client and server over the network	Official
6005/TCP	Default for BMC Software CONTROL-M/Server—Socket used for communication between CONTROL-M processes—though often changed during installation	Unofficial
6050/TCP	Brightstor Arcserve Backup	Unofficial
6051/TCP	Brightstor Arcserve Backup	Unofficial
6086/TCP	PDTP—FTP like file server in a P2P network	Official
6100/TCP	Vizrt System	Unofficial
6110/TCP,UDP	softcm, HP Softbench CM	Official
6111/TCP,UDP	spc, HP Softbench Sub-Process Control	Official
6112/TCP,UDP	"dtspcd"—a network daemon that accepts requests from clients to execute commands and launch applications remotely	Official
6112/TCP	Blizzard's Battle.net gaming service, ArenaNet gaming service	Unofficial
6112/TCP	Club Penguin Disney online game for kids	Unofficial
6113/TCP	Club Penguin Disney online game for kids	Unofficial
6129/TCP	DameWare Remote Control	Unofficial
6257/UDP	WinMX (see also 6699)	Unofficial
6346/TCP,UDP	gnutella-svc, Gnutella (FrostWire, Limewire, Shareaza, etc.)	Official
6347/TCP,UDP	gnutella-rtr, Gnutella alternate	Official
6444/TCP,UDP	Sun Grid Engine—Qmaster Service	Official
6445/TCP,UDP	Sun Grid Engine—Execution Service	Official
6502/TCP,UDP	Danware Data NetOp Remote Control	Unofficial
6522/TCP	Gobby (and other libobby-based software)	Unofficial
6543/UDP	Paradigm Research & Development (http://www.p-rd.com/index.html) Jetnet ^[36] default	Unofficial
6566/TCP	SANE (Scanner Access Now Easy)—SANE network scanner daemon	Unofficial
6600/TCP	Music Playing Daemon (MPD)	Unofficial
6619/TCP,UDP	odette-ftps, Odette File Transfer Protocol (OFTP) over TLS/SSL	Official
6665–6669/TCP	Internet Relay Chat	Official

6679/TCP	IRC SSL (Secure Internet Relay Chat)—often used	Unofficial
6697/TCP	IRC SSL (Secure Internet Relay Chat)—often used	Unofficial
6699/TCP	WinMX (see also 6257)	Unofficial
6771/UDP	Polycom server broadcast	Unofficial
6881–6887/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6888/TCP,UDP	MUSE	Official
6888/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6889–6890/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6891–6900/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6891–6900/TCP,UDP	Windows Live Messenger (File transfer)	Unofficial
6901/TCP,UDP	Windows Live Messenger (Voice)	Unofficial
6901/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6902–6968/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
6969/TCP,UDP	acmsoda	Official
6969/TCP	BitTorrent tracker	Unofficial
6970–6999/TCP,UDP	BitTorrent part of full range of ports used most often	Unofficial
7000/TCP	Default for Azureus's built in HTTPS Bittorrent Tracker	Unofficial
7001/TCP	Default for BEA WebLogic Server's HTTP server, though often changed during installation	Unofficial
7002/TCP	Default for BEA WebLogic Server's HTTPS server, though often changed during installation	Unofficial
7005/TCP,UDP	Default for BMC Software CONTROL-M/Server and CONTROL-M/Agent—Agent-to-Server, though often changed during installation	Unofficial
7006/TCP,UDP	Default for BMC Software CONTROL-M/Server and CONTROL-M/Agent—Server-to-Agent, though often changed during installation	Unofficial
7010/TCP	Default for Cisco AON AMC (AON Management Console) [2] (http://www.cisco.com/en/US/products/ps6692/Products_Sub_Category_Home.html)	Unofficial
7025/TCP	Zimbra LMTP [mailbox]—local mail delivery	Unofficial
7047/TCP	Zimbra conversion server	Unofficial
7133/TCP	Enemy Territory: Quake Wars	Unofficial
7171/TCP	Tibia	Unofficial
7306/TCP	Zimbra mysql [mailbox]	Unofficial
7307/TCP	Zimbra mysql [logger]	Unofficial
7312/UDP	Sibelius License Server	Unofficial
7670/TCP	BrettspielWelt BSW Boardgame Portal	Unofficial
7777/TCP	iChat server file transfer proxy	Unofficial

7777/TCP	Default used by Windows backdoor program tini.exe	Unofficial
7831/TCP	Default used by Smartlaunch Internet Cafe Administration ^[37] software	Unofficial
7915/TCP	Default for YSFlight server [3] (http://www.ysflight.com/)	Unofficial
8000/TCP,UDP	iRDMI (Intel Remote Desktop Management Interface) ^[38] —sometimes erroneously used instead of port 8080	Official
8000/TCP	Commonly used for internet radio streams such as those using SHOUTcast	Unofficial
8002/TCP	Cisco Systems Unified Call Manager Intercluster	Unofficial
8008/TCP	HTTP Alternate	Official
8008/TCP	IBM HTTP Server administration default	Unofficial
8010/TCP	XMPP/Jabber File transfers	Unofficial
8074/TCP	Gadu-Gadu	Unofficial
8080/TCP	HTTP alternate (http_alt)—commonly used for Web proxy and caching server, or for running a Web server as a non-root user	Official
8080/TCP	Apache Tomcat	Unofficial
8081/TCP	HTTP alternate, e.g. McAfee ePolicy Orchestrator (ePO)	Unofficial
8086/TCP	HELM Web Host Automation Windows Control Panel	Unofficial
8086/TCP	Kaspersky AV Control Center	Unofficial
8087/TCP	Hosting Accelerator Control Panel	Unofficial
8087/UDP	Kaspersky AV Control Center	Unofficial
8087/TCP	SW Soft Plesk Control Panel	Unofficial
8090/TCP	HTTP Alternate (http_alt_alt)—used as an alternative to port 8080	Unofficial
8118/TCP	Privoxy—advertisement-filtering Web proxy	Official
8123/TCP	Polipo Web proxy	Official
8192/TCP	Sophos Remote Management System	Unofficial
8193/TCP	Sophos Remote Management System	Unofficial
8194/TCP	Sophos Remote Management System	Unofficial
8200/TCP	GoToMyPC	Unofficial
8220/TCP	Bloomberg	Unofficial
8222	VMware Server Management User Interface (insecure Web interface) ^[39] . See also port 8333	Unofficial
8243/TCP,UDP	HTTPS listener for Apache Synapse ^[40]	Official
8280/TCP,UDP	HTTP listener for Apache Synapse ^[40]	Official
8291/TCP	Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS	Unofficial
8294/TCP	Bloomberg	Unofficial

8333	VMware Server Management User Interface (secure Web interface) ^[41] . See also port 8222	Unofficial
8400/TCP,UDP	cvp, Commvault Unified Data Management	Official
8443/TCP	SW Soft Plesk Control Panel	Unofficial
8484/TCP,UDP	MapleStory	Unofficial
8500/TCP	ColdFusion Macromedia/Adobe ColdFusion default	Unofficial
8501/UDP	Duke Nukem 3D—default	Unofficial
8767/UDP	TeamSpeak—default	Unofficial
8880/UDP	cddbp-alt, CD DataBase (CDDDB) protocol (CDDBP) alternate	Official
8880/TCP	cddbp-alt, CD DataBase (CDDDB) protocol (CDDBP) alternate	Official
8880/TCP	WebSphere Application Server SOAP connector default	Unofficial
8881/TCP	Atlasz Informatics Research Ltd Secure Application Server	Unofficial
8882/TCP	Atlasz Informatics Research Ltd Secure Application Server	Unofficial
8888/TCP,UDP	NewsEDGE server	Official
8888/TCP	Sun Answerbook dwhttpd server (deprecated by docs.sun.com (http://docs.sun.com/app/docs))	Unofficial
8888/TCP	GNUmp3d HTTP music streaming and Web interface	Unofficial
8888/TCP	LoLo Catcher HTTP Web interface (www.optiform.com)	Unofficial
9000/TCP	Buffalo LinkSystem Web access	Unofficial
9000/TCP	DBGp	Unofficial
9000/UDP	UDPCast	Unofficial
9001	cisco-xremote router configuration	Unofficial
9001	Tor network default	Unofficial
9001/TCP	DBGp Proxy	Unofficial
9009/TCP,UDP	Pichat Server—Peer to peer chat software	Official
9043/TCP	WebSphere Application Server Administration Console secure	Unofficial
9050/TCP	Tor	Unofficial
9051/TCP	Tor	Unofficial
9060/TCP	WebSphere Application Server Administration Console	Unofficial
9080/UDP	glrpc, Groove Collaboration software GLRPC	Official
9080/TCP	glrpc, Groove Collaboration software GLRPC	Official
9080/TCP	WebSphere Application Server HTTP Transport (port 1) default	Unofficial
9090/TCP	Openfire Administration Console	Unofficial
9100/TCP	PDL Data Stream	Official
9110/UDP	SSMP Message protocol	Unofficial
9101	Bacula Director	Official

9102	Bacula File Daemon	Official
9103	Bacula Storage Daemon	Official
9119/TCP,UDP	MXit Instant Messenger	Official
9418/TCP,UDP	git, Git pack transfer service	Official
9443/TCP	WSO2 Web Services Application Server HTTPS transport (officially <i>WSO2 Tungsten HTTPS</i>)	Official
9443/TCP	WebSphere Application Server HTTP Transport (port 2) default	Unofficial
9535/TCP	mngsuite, LANDesk Management Suite Remote Control	Official
9535/TCP	BBOS001, IBM Websphere Application Server (WAS) High Avail Mgr Com	Unofficial
9535/UDP	mngsuite, LANDesk Management Suite Remote Control	Official
9800/TCP,UDP	WebDAV Source	Official
9800	WebCT e-learning portal	Unofficial
9875/TCP	Club Penguin Disney online game for kids	Unofficial
9898/TCP,UDP	MonkeyCom	Official
9898/TCP	Tripwire - File Integrity Monitoring Software	Unofficial
9999	Hydranode—edonkey2000 TELNET control	Unofficial
9999/TCP	Lantronix UDS-10/UDS100 ^[42] RS-485 to Ethernet Converter TELNET control	Unofficial
9999	Urchin Web Analytics	Unofficial
10000	Webmin—Web-based Linux admin tool	Unofficial
10000	BackupExec	Unofficial
10001/TCP	Lantronix UDS-10/UDS100 ^[43] RS-485 to Ethernet Converter default	Unofficial
10008/TCP,UDP	Octopus Multiplexer, primary port for the CROMP protocol (http://hoople.org/hoople/readme.txt) , which provides a platform-independent means for communication of objects across a network	Official
10017	AIX,NeXT, HPUX—rexrd daemon control	Unofficial
10024/TCP	Zimbra smtp [mta]—to amavis from postfix	Unofficial
10025/TCP	Ximbra smtp [mta]—back to postfix from amavis	Unofficial
10050/TCP,UDP	Zabbix-Agent	Official
10051/TCP,UDP	Zabbix-Trapper	Official
10113/TCP,UDP	NetIQ Endpoint	Official
10114/TCP,UDP	NetIQ Qcheck	Official
10115/TCP,UDP	NetIQEndpoint	Official
10116/TCP,UDP	NetIQ VoIP Assessor	Official

10200/TCP	FRISK Software International's <i>fpscand</i> virus scanning daemon for Unix platforms [4] (http://www.f-prot.com/support/unix/unix_manpages/fpscand.8.html)	Unofficial
10200–10204/TCP	FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms [5] (http://www.f-prot.com/support/unix/unix_manpages/f-protd.8.html)	Unofficial
10308	Lock-on: Modern Air Combat	Unofficial
10480	SWAT 4 Dedicated Server	Unofficial
11211	memcached	Unofficial
11235	Savage:Battle for Newerth Server Hosting	Unofficial
11294	Blood Quest Online Server	Unofficial
11371	OpenPGP HTTP key server	Official
11576	IPStor Server management communication	Unofficial
12035/UDP	Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim	Unofficial
12345	NetBus—remote administration tool (often Trojan horse). Also used by NetBuster. Little Fighter 2 (TCP).	Unofficial
12975/TCP	LogMeIn Hamachi (VPN tunnel software; also port 32976)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
12998-12999/UDP	Takenaka RDI (http://www.takenaka.co.jp/) Mirror World on SL	Unofficial
13000–13050/UDP	Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim	Unofficial
13720/TCP,UDP	Symantec NetBackup—bprd (formerly VERITAS)	Official
13721/TCP,UDP	Symantec NetBackup—bpdsm (formerly VERITAS)	Official
13724/TCP,UDP	Symantec Network Utility—vnetd (formerly VERITAS)	Official
13782/TCP,UDP	Symantec NetBackup—bpcd (formerly VERITAS)	Official
13783/TCP,UDP	Symantec VOPIED protocol (formerly VERITAS)	Official
13785/TCP,UDP	Symantec NetBackup Database—nbdb (formerly VERITAS)	Official
13786/TCP,UDP	Symantec nomdb (formerly VERITAS)	Official
14567/UDP	Battlefield 1942 and mods	Unofficial
15000/TCP	psyBNC	Unofficial
15000/TCP	Wesnoth	Unofficial
15000/TCP	hydap, Hypack Hydrographic Software Packages Data Acquisition	Official
15000/UDP	hydap, Hypack Hydrographic Software Packages Data Acquisition	Official
15567/UDP	Battlefield Vietnam and mods	Unofficial
15345/TCP,UDP	XPilot Contact	Official
16000/TCP	shroudBNC	Unofficial

16080/TCP	Mac OS X Server Web (HTTP) service with performance cache ^[44]	Unofficial
16384/UDP	Iron Mountain Digital online backup	Unofficial
16567/UDP	Battlefield 2 and mods	Unofficial
18180/TCP	DART Reporting server	Unofficial
19226/TCP	Panda Software AdminSecure Communication Agent	Unofficial
19638/TCP	Ensim Control Panel	Unofficial
19813/TCP	4D database Client Server Communication	Unofficial
20000	DNP (Distributed Network Protocol), a protocol used in SCADA systems between communicating RTU's and IED's	Official
20000	Usermin, Web-based user tool	Unofficial
20014/TCP	DART Reporting server	Unofficial
20720/TCP	Symantec i3 Web GUI server	Unofficial
22347/TCP,UDP	WibuKey, WIBU-SYSTEMS AG (http://wibu.com/wibukey.php) Software protection system	Official
22350/TCP,UDP	CodeMeter, WIBU-SYSTEMS AG (http://wibu.com/codemeter.php) Software protection system	Official
24444	NetBeans integrated development environment	Unofficial
24554/TCP,UDP	BINKP, Fidonet mail transfers over TCP/IP	Official
24800	Synergy: keyboard/mouse sharing software	Unofficial
24842	StepMania: Online: <i>Dance Dance Revolution</i> Simulator	Unofficial
25999/TCP	Xfire	Unofficial
26000/TCP,UDP	id Software's <i>Quake</i> server	Official
26000/TCP	CCP's EVE Online Online gaming MMORPG	Unofficial
26900/TCP	CCP's EVE Online Online gaming MMORPG	Unofficial
26901/TCP	CCP's EVE Online Online gaming MMORPG	Unofficial
27000/UDP	(through 27006) id Software's <i>QuakeWorld</i> master server	Unofficial
27010	Half-Life and its mods, such as <i>Counter-Strike</i>	Unofficial
27015	Half-Life and its mods, such as <i>Counter-Strike</i>	Unofficial
27374	Sub7 default. Most script kiddies do not change from this.	Unofficial
27500/UDP	(through 27900) id Software's <i>QuakeWorld</i>	Unofficial
27888/UDP	Kaillera server	Unofficial
27900	(through 27901) Nintendo Wi-Fi Connection	Unofficial
27901/UDP	(through 27910) id Software's <i>Quake II</i> master server	Unofficial
27960/UDP	(through 27969) Activision's <i>Enemy Territory</i> and id Software's <i>Quake III Arena</i> and <i>Quake III</i> and some ioquake3 derived games	Unofficial
28910	Nintendo Wi-Fi Connection	Unofficial

28960	Call of Duty 2 Common Call of Duty 2 (PC Version)	Unofficial
28961	Call of Duty 4: Modern Warfare Common Call of Duty 4 (PC Version)	Unofficial
29900	(through 29901) Nintendo Wi-Fi Connection	Unofficial
29920	Nintendo Wi-Fi Connection	Unofficial
30000	Pokemon Netbattle	Unofficial
30564/TCP	Multiplicity: keyboard/mouse/clipboard sharing software	Unofficial
31337/TCP	Back Orifice—remote administration tool (often Trojan horse)	Unofficial
31337/TCP	xc0r3 security	Unofficial
31415	ThoughtSignal—Server Communication Service (often Informational)	Unofficial
31456/TCP	TetriNET IRC gateway on some servers	Unofficial
31457/TCP	TetriNET	Official
31458/TCP	TetriNET Used for game spectators	Unofficial
32245/TCP	MMTSG-mutualed over MMT (encrypted transmission)	Unofficial
32976/TCP	LogMeIn Hamachi (VPN tunnel software; also port 12975)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
33434/TCP,UDP	traceroute	Official
34443	Linksys PSUS4 print server	Unofficial
37777/TCP	Digital Video Recorder hardware	Unofficial
36963	Counter Strike 2D multiplayer (2D clone of popular CounterStrike computer game)	Unofficial
40000/TCP,UDP	SafetyNET p Real-time Industrial Ethernet protocol	Official
41377/TCP,UDP	ActiveSync p Real-time Industrial Ethernet protocol	Official
41378/TCP,UDP	ActiveSync p Real-time Industrial Ethernet protocol	Official
43594–43595/TCP	RuneScape	Unofficial
47808/TCP,UDP	BACnet Building Automation and Control Networks	Official
49151/TCP,UDP	Reserved ^[1]	Official
52812/TCP,UDP	Bassline WinPOP p Real-time Industrial Ethernet protocol	Official
58000/TCP,UDP	Pearl Echo p Real-time Industrial Ethernet protocol	Official

Dynamic and/or private ports: 49152–65535

By definition, no ports can be registered in the dynamic range.^[1]

See also

- TCP and UDP port

- Internet Protocol Suite

References

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30. ^ IBM U2 product family (<http://www-306.ibm.com/software/data/u2/>)
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36. ^ prd Technologies Ltd Billing & Rating Solutions (<http://www.p-rd.com/downloads/PRD%20-%20history%20and%20introduction.pdf>)
37. ^ Smartlaunch 4.1 Cyber Cafe Management Software Product Overview (http://www.smartlaunch.net/Download/Smartlaunch_Product_Overview.pdf)
38. ^ Intel DMI (Desktop Management Interface) (<http://www.intel.com/support/tokenexpress/pro/sb/cs-016261.htm>)
39. ^ VMware Communities: Change MUI ports? (<http://www.vmware.com/community/message.jspa?messageID=425783>)
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43. ^ Lantronix UDS-10 UDS100 User Guide (http://www.lantronix.com/pdf/UDS10-UDS100_UG.pdf)
44. ^ *Mac OS X Server 10: Web service uses ports 80 and 16080 by default* (<http://docs.info.apple.com/article.html?artnum=106407>)

External links

- List of selected/nonstandard TCP/IP ports and related information (<http://www.akerman.ca/port-table.html>)
- List of TCP/UDP ports with information about trojans and malware (http://www.bekkoame.ne.jp/~s_ita/port/port1-99.html)
- Windows TCP/IP Ephemeral, Reserved, and Blocked Port Behavior (<http://www.microsoft.com/technet/community/columns/cableguy/cg1205.msp>)
- Known TCP/UDP ports used by Apple software (<http://docs.info.apple.com/article.html?artnum=106439>)

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