

# List of TCP and UDP port numbers

From Wikipedia, the free encyclopedia

This is a list of Internet socket port numbers used by protocols of the Transport Layer of the Internet Protocol Suite for the establishment of host-to-host connectivity.

Originally, port numbers were used by the Network Control Program (NCP) in the ARPANET for which two ports were required for half duplex transmission. Later, the Transmission Control Protocol (TCP) and the User Datagram Protocol (UDP) needed only one port for full duplex, bidirectional traffic. The even numbered ports were not used, and this resulted in some even numbers in the well-known port number range being unassigned. The Stream Control Transmission Protocol (SCTP) and the Datagram Congestion Control Protocol (DCCP) also use port numbers. They usually use port numbers that match the services of the corresponding TCP or UDP implementation, if they exist.

The Internet Assigned Numbers Authority (IANA) is responsible for maintaining the official assignments of port numbers for specific uses.<sup>[1]</sup> However, many unofficial uses of both well-known and registered port numbers occur in practice.

## Contents

- 1 Table legend
- 2 Well-known ports
- 3 Registered ports
- 4 Dynamic, private or ephemeral ports
- 5 See also
- 6 References
- 7 External links

## Table legend

Use	Description	Color
Official	Port is registered with IANA for the application <sup>[1]</sup>	White
Unofficial	Port is not registered with IANA for the application	Blue
Multiple use	Multiple applications are known to use this port.	Khaki

## Well-known ports

The port numbers in the range from 0 to 1023 are the *well-known ports* or *system ports*.<sup>[2]</sup> They are used by system processes that provide widely used types of network services. On Unix-like operating systems, a process must execute with superuser privileges to be able to bind a network socket to an IP address using one of the well-known ports.

Port	TCP	UDP	Description	Status
0	TCP		Programming technique for specifying system-allocated (dynamic) ports <sup>[3][4]</sup>	Unofficial
0		UDP	Reserved	Official
1	TCP	UDP	TCP Port Service Multiplexer (TCPMUX)	Official
2	TCP	UDP	CompressNET <sup>[5]</sup> Management Utility <sup>[6]</sup>	Official
3	TCP	UDP	CompressNET <sup>[5]</sup> Compression Process <sup>[7]</sup>	Official
4	TCP	UDP	Unassigned	Official
5	TCP	UDP	Remote Job Entry	Official
6	TCP	UDP	Unassigned	Official
7	TCP	UDP	Echo Protocol	Official
8	TCP	UDP	Unassigned	Official
9	TCP	UDP	Discard Protocol	Official
9		UDP	Wake-on-LAN	Unofficial
10	TCP	UDP	Unassigned	Official
11	TCP	UDP	Active Users (systat service) <sup>[8][9]</sup>	Official
12	TCP	UDP	Unassigned	Official
13	TCP	UDP	Daytime Protocol (RFC 867)	Official
14	TCP	UDP	Unassigned	Official
15	TCP	UDP	Previously netstat service <sup>[8]</sup>	Unofficial
16	TCP	UDP	Unassigned	Official
17	TCP	UDP	Quote of the Day	Official
18	TCP	UDP	Message Send Protocol	Unofficial
19	TCP	UDP	Character Generator Protocol (CHARGEN)	Unofficial
20	TCP	UDP	FTP data transfer	Official
21	TCP, SCTP	UDP	FTP control (command)	Official

22	TCP, SCTP	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
24	TCP	UDP	Priv-mail : any private mail system.	Official
25	TCP	UDP	Simple Mail Transfer Protocol (SMTP)—used for e-mail routing between mail servers	Official
26	TCP	UDP	Unassigned	Official
27	TCP	UDP	NSW User System FE	Official
29	TCP	UDP	MSG ICP	Official
33	TCP	UDP	Display Support Protocol	Official
35	TCP	UDP	Any private printer server protocol	Official
37	TCP	UDP	TIME protocol	Official
39	TCP	UDP	Resource Location Protocol <sup>[10]</sup> (RLP)—used for determining the location of higher level services from hosts on a network	Official
40	TCP	UDP	Unassigned	Official
42	TCP	UDP	ARPA Host Name Server Protocol	Official
42	TCP	UDP	Windows Internet Name Service	Unofficial
43	TCP	UDP	WHOIS protocol	Official
47	TCP	UDP	NI FTP	Official
49	TCP	UDP	TACACS+ Login Host protocol	Official
50	TCP	UDP	ESP <sup>[11]</sup>	Official
51	TCP	UDP	IMP Logical Address Maintenance	Official
52	TCP	UDP	XNS (Xerox Network Systems) Time Protocol	Official
53	TCP	UDP	Domain Name System (DNS)	Official
54	TCP	UDP	XNS (Xerox Network Systems) Clearinghouse	Official
55	TCP	UDP	ISI Graphics Language (ISI-GL)	Official
56	TCP	UDP	XNS (Xerox Network Systems) Authentication	Official
56	TCP	UDP	Route Access Protocol (RAP) <sup>[12]</sup>	Unofficial
57	TCP	UDP	any private terminal access	Official
58	TCP	UDP	XNS (Xerox Network Systems) Mail	Official
64	TCP	UDP	CI (Travelport) (formerly Covia) Comms Integrator	Official
67	TCP	UDP	Bootstrap Protocol (BOOTP) Server; also used by Dynamic Host Configuration Protocol (DHCP)	Official
68	TCP	UDP	Bootstrap Protocol (BOOTP) Client; also used by Dynamic Host Configuration Protocol (DHCP)	Official
69	TCP	UDP	Trivial File Transfer Protocol (TFTP)	Official
70	TCP	UDP	Gopher protocol	Official
71	TCP	UDP	NETRJS protocol	Official
72	TCP	UDP	NETRJS protocol	Official
73	TCP	UDP	NETRJS protocol	Official
74	TCP	UDP	NETRJS protocol	Official
77	TCP	UDP	Any private Remote Job Entry	Official
79	TCP	UDP	Finger protocol	Official
80	TCP, SCTP	UDP	Hypertext Transfer Protocol (HTTP) <sup>[13]</sup>	Official
80		UDP	QUIC (from Chromium) for HTTP	Unofficial
81	TCP		Torpark—Onion routing	Unofficial
82		UDP	Torpark—Control	Unofficial
88	TCP	UDP	Kerberos—authentication system	Official
90	TCP	UDP	dnsix (DoD Network Security for Information Exchange) Security Attribute Token Map	Official
90	TCP	UDP	PointCast (dotcom)	Unofficial
99	TCP		WIP Message protocol	Unofficial
100		UDP	CyberGate RAT protocol	Unofficial
101	TCP	UDP	NIC host name	Official
102	TCP	UDP	ISO-TSAP (Transport Service Access Point) Class 0 protocol; <sup>[14]</sup> also used by Digital Equipment Corporation DECnet (Phase V+) over TCP/IP	Official
104	TCP	UDP	ACR/NEMA Digital Imaging and Communications in Medicine (DICOM)	Official
105	TCP	UDP	CCSO Nameserver Protocol (Qi/Ph)	Official
107	TCP	UDP	Remote TELNET Service <sup>[15]</sup> protocol	Official
108	TCP	UDP	SNA Gateway Access Server <sup>[1]</sup>	Official
109	TCP	UDP	Post Office Protocol v2 (POP2)	Official
110	TCP	UDP	Post Office Protocol v3 (POP3)	Official
111	TCP	UDP	ONC RPC (Sun RPC)	Official

113	TCP		Ident—Authentication Service/Identification Protocol, <sup>[16]</sup> used by IRC servers to identify users	Official
113		UDP	Authentication Service <sup>[16]</sup> (auth)	Official
115	TCP		Simple File Transfer Protocol	Official
117	STD		UUCP Path Service	Official
118	TCP	UDP	SQL (Structured Query Language) Services	Official
119	TCP		Network News Transfer Protocol (NNTP)—retrieval of newsgroup messages	Official
123	TCP	UDP	Network Time Protocol (NTP)—used for time synchronization	Official
126	TCP	UDP	Formerly Unisys Unitary Login, renamed by Unisys to NXEdit. Used by Unisys Programmer's Workbench for Clearpath MCP, an IDE for Unisys MCP software development	Official
135	TCP	UDP	DCE endpoint resolution	Official
135	TCP	UDP	Microsoft EPMAP (End Point Mapper), also known as DCE/RPC Locator service, <sup>[17]</sup> used to remotely manage services including DHCP server, DNS server and WINS. Also used by DCOM	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		Internet Message Access Protocol (IMAP)—management of email messages	Official
152	TCP	UDP	Background File Transfer Program (BFTP) <sup>[18]</sup>	Official
153	TCP	UDP	SGMP, Simple Gateway Monitoring Protocol	Official
156	TCP	UDP	SQL Service	Official
158	TCP	UDP	DMSP, Distributed Mail Service Protocol <sup>[19]</sup>	Unofficial
161		UDP	Simple Network Management Protocol (SNMP)	Official
162	TCP	UDP	Simple Network Management Protocol Trap (SNMPTRAP) <sup>[20]</sup>	Official
170	TCP		Print-srv, Network PostScript	Official
175	TCP		VMNET (IBM z/VM, z/OS & z/VSE—Network Job Entry (NJE))	Official
177	TCP	UDP	X Display Manager Control Protocol (XDMCP)	Official
179	TCP		BGP (Border Gateway Protocol)	Official
194	TCP	UDP	Internet Relay Chat (IRC)	Official
199	TCP	UDP	SMUX, SNMP Unix Multiplexer	Official
201	TCP	UDP	AppleTalk Routing Maintenance	Official
209	TCP	UDP	The Quick Mail Transfer Protocol	Official
210	TCP	UDP	ANSI Z39.50	Official
213	TCP	UDP	Internetwork Packet Exchange (IPX)	Official
218	TCP	UDP	Message posting protocol (MPP)	Official
220	TCP	UDP	Internet Message Access Protocol (IMAP), version 3	Official
259	TCP	UDP	ESRO, Efficient Short Remote Operations	Official
262	TCP	UDP	Arcsdms	Official
264	TCP	UDP	BGMP, Border Gateway Multicast Protocol	Official
280	TCP	UDP	http-mgmt	Official
300	TCP		ThinLinc Web Access	Unofficial
308	TCP		Novastor Online Backup	Official
311	TCP		Mac OS X Server Admin (officially AppleShare IP Web administration)	Official
318	TCP	UDP	PKIX TSP, Time Stamp Protocol	Official
319		UDP	Precision Time Protocol (PTP) event messages	Official
320		UDP	Precision Time Protocol (PTP) general messages	Official
350	TCP	UDP	MATIP-Type A, Mapping of Airline Traffic over Internet Protocol	Official
351	TCP	UDP	MATIP-Type B, Mapping of Airline Traffic over Internet Protocol	Official
356	TCP	UDP	cloanto-net-1 (used by Cloanto Amiga Explorer and VMs)	Official
366	TCP	UDP	ODMR, On-Demand Mail Relay	Official
369	TCP	UDP	Rpc2portmap	Official
370	TCP		codaaauth2—Coda authentication server	Official
370		UDP	codaaauth2—Coda authentication server	Official
370		UDP	securecast1—Outgoing packets to NAI's SecureCast servers <sup>[21]</sup> As of 2000	Unofficial
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 <sup>[22]</sup>	Official
389	TCP	UDP	Lightweight Directory Access Protocol (LDAP)	Official
399	TCP	UDP	Digital Equipment Corporation DECnet (Phase V+) over TCP/IP	Official

401	TCP	UDP	UPS Uninterruptible Power Supply	Official
427	TCP	UDP	Service Location Protocol (SLP)	Official
433	TCP	UDP	NNSP, part of Network News Transfer Protocol	Official
434	TCP	UDP	Mobile IP Agent (RFC 5944)	Official
443	TCP, SCTP	UDP	Hypertext Transfer Protocol over TLS/SSL (HTTPS)	Official
443		UDP	QUIC (from Chromium) for HTTPS	Unofficial
444	TCP	UDP	SNPP, Simple Network Paging Protocol (RFC 1568)	Official
445	TCP		Microsoft-DS Active Directory, Windows shares	Official
445	TCP		Microsoft-DS SMB file sharing	Official
464	TCP	UDP	Kerberos Change/Set password	Official
465	TCP		URL Rendezvous Directory for SSM (Cisco protocol)	Official
465	TCP		Simple Mail Transfer Protocol over TLS/SSL (SMTPS)	Unofficial
475	TCP	UDP	tcpnethasprv (Aladdin Knowledge Systems Hasp services, TCP/IP version)	Official
491	TCP		GO-Global remote access and application publishing software	Unofficial
497	TCP		Dantz Retrospect	Official
500	TCP	UDP	Internet Security Association and Key Management Protocol (ISAKMP)	Official
502	TCP	UDP	Modbus Protocol	Official
504	TCP	UDP	Citadel—multiservice protocol for dedicated clients for the Citadel groupware system	Official
510	TCP	UDP	FirstClass Protocol (FCP), used by FirstClass client/server groupware system	Official
512	TCP		Rexec, Remote Process Execution	Official
512		UDP	comsat, together with biff	Official
513	TCP		rlogin	Official
513		UDP	Who <sup>[23]</sup>	Official
514	TCP		Shell—used to execute non-interactive commands on a remote system (Remote Shell, rsh, remsh)	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 Information Protocol (RIP)	Official
521		UDP	Routing Information Protocol Next Generation (RIPng)	Official
524	TCP	UDP	NetWare Core Protocol (NCP) 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	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
545	TCP		OSISOft PI (VMS), OSISOft PI Server Client Access	Unofficial
546	TCP	UDP	DHCPv6 client	Official
547	TCP	UDP	DHCPv6 server	Official
548	TCP		Apple Filing Protocol (AFP) over TCP	Official
550	TCP	UDP	new-rwho, new-who <sup>[23]</sup>	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 over TLS/SSL (NNTPS)	Official
564	TCP		Plan9	Unofficial
587	TCP		e-mail message submission <sup>[24]</sup> (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, <sup>[25]</sup> a protocol for BEEP peers to form an application layer tunnel	Official

623		UDP	ASF Remote Management and Control Protocol (ASF-RMCP)	Official
625	TCP		Open Directory Proxy (ODProxy)	Unofficial
631	TCP	UDP	Internet Printing Protocol (IPP)	Official
631	TCP	UDP	Common Unix Printing System (CUPS) administration console (extension to IPP)	Unofficial
635	TCP	UDP	RLZ DBase	Official
636	TCP	UDP	Lightweight Directory Access Protocol over TLS/SSL (LDAPS)	Official
639	TCP	UDP	MSDP, Multicast Source Discovery Protocol	Official
641	TCP	UDP	SupportSoft Nexus Remote Command (control/listening): A proxy gateway connecting remote control traffic	Official
643	TCP	UDP	SANity	Official
646	TCP	UDP	LDP, Label Distribution Protocol, a routing protocol used in MPLS networks	Official
647	TCP		DHCP Failover protocol <sup>[26]</sup>	Official
648	TCP		RRP (Registry Registrar Protocol) <sup>[27]</sup>	Official
651	TCP	UDP	IEEE-MMS	Official
653	TCP	UDP	SupportSoft Nexus Remote Command (data): A proxy gateway connecting remote control traffic	Official
654	TCP		Media Management System (MMS) Media Management Protocol (MMP) <sup>[28]</sup>	Official
655	TCP	UDP	Tinc VPN daemon	Unofficial
657	TCP	UDP	IBM RMC (Remote monitoring and Control) protocol, used by System p5 AIX Integrated Virtualization Manager (IVM) <sup>[29]</sup> and Hardware Management Console to connect managed logical partitions (LPAR) to enable dynamic partition reconfiguration	Official
660	TCP		Mac OS X Server administration	Official
666	TCP	UDP	Doom, first online first-person shooter	Official
666	TCP		airserv-ng ( <a href="http://www.aircrack-ng.org/doku.php?id=airserv-ng">http://www.aircrack-ng.org/doku.php?id=airserv-ng</a> ), aircrack-ng's server for remote-controlling wireless devices	Unofficial
674	TCP		ACAP (Application Configuration Access Protocol)	Official
688	TCP	UDP	REALM-RUSD (ApplianceWare Server Appliance Management Protocol)	Official
690	TCP	UDP	VATP (Velveo Application Transfer Protocol)	Official
691	TCP		MS Exchange Routing	Official
694	TCP	UDP	Linux-HA High availability Heartbeat	Official
695	TCP		IEEE-MMS-SSL (IEEE Media Management System over SSL) <sup>[30]</sup>	Official
698		UDP	OLSR (Optimized Link State Routing)	Official
700	TCP		EPP (Extensible Provisioning Protocol), a protocol for communication between domain name registries and registrars (RFC 5734)	Official
701	TCP		LMP (Link Management Protocol (Internet)), <sup>[31]</sup> a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links	Official
702	TCP		IRIS <sup>[32][33]</sup> (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) <sup>[34]</sup> (RFC 3983)	Official
706	TCP		Secure Internet Live Conferencing (SILC)	Official
711	TCP		Cisco Tag Distribution Protocol <sup>[35][36][37]</sup> —being replaced by the MPLS Label Distribution Protocol <sup>[38]</sup>	Official
712	TCP		Topology Broadcast based on Reverse-Path Forwarding routing protocol (TBRPF) (RFC 3684)	Official
749	TCP	UDP	Kerberos (protocol) administration	Official
750		UDP	kerberos-iv, Kerberos version IV	Official
751	TCP	UDP	kerberos_master, Kerberos authentication	Unofficial
752		UDP	passwd_server, Kerberos Password (kpasswd) server	Unofficial
753	TCP		Reverse Routing Header (rrh) <sup>[39]</sup>	Official
753		UDP	Reverse Routing Header (rrh)	Official
753		UDP	userreg_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	krbupdate [kreg], Kerberos registration	Unofficial
782	TCP		Conserver serial-console management server	Unofficial
783	TCP		SpamAssassin spamd daemon	Unofficial
800		UDP	mdbe daemon	Official
808	TCP		Microsoft Net.TCP Port Sharing Service	Unofficial
829	TCP		Certificate Management Protocol <sup>[40]</sup>	Unofficial
843	TCP		Adobe Flash <sup>[41]</sup>	Unofficial
847	TCP		DHCP Failover protocol	Official
848	TCP	UDP	Group Domain Of Interpretation (GDOI) protocol	Official
860	TCP		iSCSI (RFC 3720)	Official
861	TCP	UDP	OWAMP control (RFC 4656)	Official
862	TCP	UDP	TWAMP control (RFC 5357)	Official

873	TCP		rsync file synchronization protocol	Official
888	TCP		cddbp, CD DataBase (CDDb) protocol (CDDbP), IBM Endpoint Manager Remote Control	Unofficial
897	TCP	UDP	Brocade SMI-S RPC	Unofficial
898	TCP	UDP	Brocade SMI-S RPC SSL	Unofficial
901	TCP		Samba Web Administration Tool (SWAT)	Unofficial
901	TCP	UDP	VMware Virtual Infrastructure Client (from managed device to management console)	Unofficial
902	TCP	UDP	ideafarm-door (IdeaFarm (tm) Operations)	Official
902	TCP	UDP	VMware Server Console (from management console to managed device)	Unofficial
903	TCP	UDP	ideafarm-panic (IdeaFarm (tm) Operations)	Official
903	TCP		VMware Remote Console <sup>[42]</sup>	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
944		UDP	Network File System Service	Unofficial
953	TCP	UDP	Domain Name System (DNS) RNDc Service	Unofficial
973		UDP	Network File System over IPv6 Service	Unofficial
981	TCP		SofaWare Technologies Remote HTTPS management for firewall devices running embedded Check Point FireWall-1 software	Unofficial
987	TCP		Microsoft Windows SBS SharePoint	Unofficial
989	TCP	UDP	FTPS Protocol (data): FTP over TLS/SSL	Official
990	TCP	UDP	FTPS Protocol (control): FTP over TLS/SSL	Official
991	TCP	UDP	NAS (Netnews Administration System) <sup>[43]</sup>	Official
992	TCP	UDP	TELNET protocol over TLS/SSL	Official
993	TCP		Internet Message Access Protocol over TLS/SSL (IMAPS)	Official
994	TCP	UDP	Internet Relay Chat over TLS/SSL (IRCS)	Official
995	TCP		Post Office Protocol 3 over TLS/SSL (POP3S)	Official
999	TCP		ScimoreDB Database System	Unofficial
1002	TCP		Opsware agent (aka cogbot)	Unofficial
1010	TCP		ThinLinc Web Administration	Unofficial
1023	TCP	UDP	Reserved <sup>[1]</sup>	Official

## Registered ports

The range of port numbers from 1024 to 49151 are the registered ports. They are assigned by IANA for specific service upon application by a requesting entity.<sup>[1]</sup> On most systems, registered ports can be used by ordinary users.

This is an **incomplete list** of notable ports. See the Service Name and Transport Protocol Port Number Registry (<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.txt>) of IANA for the complete list of assigned ports.

Port	TCP	UDP	Description
1025	TCP		NFS or IIS or Teradata
1026	TCP		Often used by Microsoft DCOM services
1027	TCP		Task Scheduler
1027		UDP	Native IPv6 behind IPv4-to-IPv4 NAT Customer Premises Equipment (6a44) <sup>[44]</sup>
1029	TCP		Often used by Microsoft DCOM services
1030	TCP		services.exe
1058	TCP	UDP	nim, IBM AIX Network Installation Manager (NIM)
1059	TCP	UDP	nimreg, IBM AIX Network Installation Manager (NIM)
1064	TCP		lsass.exe
1080	TCP		SOCKS proxy
1085	TCP	UDP	WebObjects
1098	TCP	UDP	rmiactivation, RMI Activation
1099	TCP	UDP	rmiregistry, RMI Registry
1109	TCP		Kerberos Post Office Protocol (KPOP)
1110		UDP	EasyBits ( <a href="http://www.easybits.com/">http://www.easybits.com/</a> ) School network discovery protocol (for Intel's CMPC platform)
1119	TCP	UDP	Used by some Blizzard games <sup>[45]</sup>
1140	TCP	UDP	AutoNOC ( <a href="http://www.autonoc.com/">http://www.autonoc.com/</a> ) protocol
1167		UDP	phone, conference calling
1169	TCP	UDP	Tripwire
1176	TCP		Perceptive Automation ( <a href="http://www.perceptiveautomation.com/corp/overview.html">http://www.perceptiveautomation.com/corp/overview.html</a> ) Indigo ( <a href="http://www.perceptiveautomation.com/indigo/">http://www.perceptiveautomation.com/indigo/</a> ) Home automa configuration and control access
1182	TCP	UDP	AcceleNet ( <a href="http://www.accelenet.com/products-technology.htm">http://www.accelenet.com/products-technology.htm</a> ) Intelligent Transfer Protocol ( <a href="http://www.accelenet.com/support-technical-library.htm">http://www.accelenet.com/support-technical-library.htm</a> )

1194	TCP	UDP	OpenVPN
1198	TCP	UDP	The cajo project Free dynamic transparent distributed computing in Java
1200	TCP		scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request <sup>[46]</sup>
1200		UDP	scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request
1200		UDP	Steam Friends Applet
1214	TCP		Kazaa
1217	TCP		Uvora Online
1220	TCP		QuickTime Streaming Server administration
1223	TCP	UDP	TGP, TrulyGlobal ( <a href="http://www.vocaltec.com/">http://www.vocaltec.com/</a> ) Protocol, also known as "The Gur Protocol" (named for Gur Kimchi of TrulyGlobal)
1232	TCP	UDP	first-defense, Remote systems monitoring service from Nexum, Inc
1234		UDP	VLC media player default port for UDP/RTP stream
1234	TCP		Mercurial and git default ports for serving Hyper Text
1236	TCP		Symantec BindView Control UNIX Default port for TCP management server connections
1241	TCP	UDP	Nessus Security Scanner
1270	TCP	UDP	Microsoft System Center Operations Manager (SCOM) (formerly Microsoft Operations Manager (MOM)) agent
1293	TCP	UDP	IPSec (Internet Protocol Security)
1301	TCP		Palmer Performance OBDNet
1306	TCP	UDP	Boomerang
1309	TCP		Altera Quartus jtagd
1311	TCP		Dell OpenManage HTTPS
1313	TCP		Xbiim (Canvii server)
1314	TCP		Festival Speech Synthesis System
1319	TCP		AMX ICSP
1319		UDP	AMX ICSP
1323	TCP	UDP	brcd (Todd Picquelle - multi-purpose application port)
1337	TCP		neo4j-shell
1337	TCP	UDP	Men and Mice DNS
1337	TCP		WASTE Encrypted File Sharing Program
1341	TCP	UDP	Qubes (Manufacturing Execution System)
1344	TCP		Internet Content Adaptation Protocol
1352	TCP		IBM Lotus Notes/Domino (RPC) protocol
1364	TCP		IBM Connect:Direct/FTP+ FTPS Protocol: FTP over TLS/SSL
1387	TCP	UDP	cadsi-lm, LMS International (formerly Computer Aided Design Software, Inc. (CADSI)) LM
1414	TCP		IBM WebSphere MQ (formerly known as MQSeries)
1417	TCP	UDP	Timbuktu Service 1 Port
1418	TCP	UDP	Timbuktu Service 2 Port
1419	TCP	UDP	Timbuktu Service 3 Port
1420	TCP	UDP	Timbuktu Service 4 Port
1431	TCP		Reverse Gossip Transport Protocol (RGTP) ( <a href="http://www.groggs.group.cam.ac.uk/protocol.txt">http://www.groggs.group.cam.ac.uk/protocol.txt</a> ), used to access a General-purpose Reverse-Ordered Gos (GROGGS ( <a href="http://www.groggs.group.cam.ac.uk/">http://www.groggs.group.cam.ac.uk/</a> )) bulletin board, such as that implemented on the Cambridge University's Phoenix system
1433	TCP		MSSQL (Microsoft SQL Server database management system) Server
1434	TCP	UDP	MSSQL (Microsoft SQL Server database management system) Monitor
1470	TCP		Solarwinds Kiwi Log Server
1481	TCP	UDP	AIRS
1494	TCP	UDP	Citrix XenApp Independent Computing Architecture (ICA) thin client protocol <sup>[47]</sup>
1500	TCP		IBM Tivoli Storage Manager server
1500	TCP		NetGuard GuardianPro firewall (NT4-based) Remote Management
1501	TCP		IBM Tivoli Storage Manager client scheduler
1501		UDP	NetGuard GuardianPro firewall (NT4-based) Authentication Client
1503	TCP	UDP	Windows Live Messenger (Whiteboard and Application Sharing)
1512	TCP	UDP	Microsoft Windows Internet Name Service (WINS)
1513	TCP	UDP	Garena Garena Gaming Client
1521	TCP		nCube License Manager, SQLnet
1521	TCP		Oracle database default listener, in future releases official port 2483
1524	TCP	UDP	ingreslock, ingres
1527	TCP		Apache Derby Network Server default port
1528	TCP		Oracle database common alternative for listener
1533	TCP		IBM Sametime IM—Virtual Places Chat Microsoft SQL Server

1534		UDP	Eclipse Target Communication Framework (TCF) agent discovery <sup>[48]</sup>
1547	TCP	UDP	Laplink
1550	TCP	UDP	3m-image-lm Image Storage license manager 3M Company
1550	TCP		Gadu-Gadu (direct client-to-client)
1580	TCP		IBM Tivoli Storage Manager server web interface
1581	TCP		IBM Tivoli Storage Manager web client
1581		UDP	MIL STD 2045-47001 VMF
1583	TCP		Pervasive PSQL
1589		UDP	Cisco VQP (VLAN Query Protocol) / VMPS
1590	TCP		GE Smallworld Datastore Server (SWMFS/Smallworld Master Filesystem)
1604	TCP		Darkcomet RAT server (Remote Administration Tool/Trojan)
1627			iSketch
1628	TCP		LonWorks Remote Network Interface (RNI)
1628		UDP	LonWorks IP tunneling (ANSI EIA/CEA-852, EN 14908-4)
1629	TCP		Alternate LonWorks Remote Network Interface (RNI)
1629		UDP	LonWorks IP tunneling configuration server (ANSI EIA/CEA-852, EN 14908-4)
1645		UDP	Old radius port, RADIUS authentication protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers. <sup>[49]</sup> Official port 1645 MUST NOT be used. <sup>[50]</sup>
1646		UDP	Old radacct port, RADIUS accounting protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers. Official port 1646 MUST NOT be used. <sup>[50]</sup>
1666	TCP		Perforce
1677	TCP	UDP	Novell GroupWise clients in client/server access mode
1688	TCP		Microsoft Key Management Service for KMS Windows Activation
1700		UDP	Cisco RADIUS Change of Authorization for TrustSec
1701		UDP	Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP)
1707	TCP	UDP	Windward Studios
1707	TCP		Romtec Interactive Modular Multiplayer Client-Server Online Application Interface & Layer 2 Tunneling Protocol (L2TP)
1716	TCP		America's Army Massively multiplayer online game (MMO)
1719		UDP	H.323 Registration and alternate communication
1720	TCP		H.323 Call signalling
1723	TCP	UDP	Microsoft Point-to-Point Tunneling Protocol (PPTP)
1725		UDP	Valve Steam Client
1755	TCP	UDP	Microsoft Media Services (MMS, ms-streaming)
1761		UDP	cft-0
1761	TCP		cft-0
1761	TCP		Novell Zenworks Remote Control utility
1762–1768	TCP	UDP	cft-1 to cft-7
1776	TCP	UDP	Federal Emergency Management Information System
1792	TCP	UDP	Moby
1801	TCP	UDP	Microsoft Message Queuing
1812	TCP	UDP	radius, RADIUS authentication protocol
1813	TCP	UDP	radacct, RADIUS accounting protocol
1863	TCP		MSNP (Microsoft Notification Protocol), used by the Microsoft Messenger service and a number of Instant Messaging clients
1883	TCP	UDP	MQ Telemetry Transport (MQTT), formerly known as MQIsdp (MQSeries SCADA protocol)
1886	TCP		Leonardo over IP Pro2col Ltd
1900		UDP	Microsoft SSDP Enables discovery of UPnP devices
1920	TCP		IBM Tivoli monitoring console
1935	TCP		Adobe Systems Macromedia Flash Real Time Messaging Protocol (RTMP) "plain" protocol
1947	TCP	UDP	SentinelSRM (hasplm), Aladdin HASP License Manager
1967		UDP	Cisco IOS IP Service Level Agreements (IP SLAs) Control Protocol
1970	TCP	UDP	Netop Remote Control
1971	TCP	UDP	Netop School
1972	TCP	UDP	InterSystems Caché
1975–1977		UDP	Cisco TCO (Documentation ( <a href="http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html">http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html</a> ))
1978	TCP		The Remote Mouse Server Port
1984	TCP		Big Brother ( <a href="http://bb4.com/">http://bb4.com/</a> ) and related Xymon (formerly Hobbit) System and Network Monitor
1985		UDP	Cisco HSRP



1997	TCP		Chizmo Networks Transfer Tool
1998	TCP	UDP	Cisco X.25 over TCP (XOT) service
2000	TCP	UDP	Cisco SCCP (Skinny)
2001		UDP	CAPTAN Test Stand System
2002	TCP		Secure Access Control Server (ACS) for Windows
2008	TCP		Stylex Secured server
2010	TCP		Artemis: Spaceship Bridge Simulator default port
2014	TCP		Remoticus ( <a href="http://remoticus.com/">http://remoticus.com/</a> )
2030			Oracle services for Microsoft Transaction Server
2031	TCP	UDP	mobrien-chat( <a href="http://chat.mobrien.com:2031">http://chat.mobrien.com:2031</a> ( <a href="http://chat.mobrien.com:2031/">http://chat.mobrien.com:2031/</a> ))
2041	TCP		Mail. Ru Agent communication protocol
2049	TCP	UDP	Network File System
2050		TCP	Snell RollCall
2051		TCP	Snell IQ
2053	TCP		knetd Kerberos de-multiplexor
2055	TCP	UDP	Iliad-Odyssey Protocol
2056		UDP	Civilization 4 multiplayer
2071	TCP	UDP	Axon Control Protocol (ACP)
2074	TCP	UDP	Vertel VMF SA (i.e. App.. SpeakFreely)
2077	TCP		TrelliSoft Agent
2080	TCP	UDP	Autodesk NLM (FLEXlm)
2082	TCP		Infowave Mobility Server
2082	TCP		CPanel default
2083	TCP		Secure Radius Service (radsec)
2083	TCP		CPanel default SSL
2086	TCP		GNUnet
2086	TCP		WebHost Manager default
2087	TCP		WebHost Manager default SSL
2095	TCP		CPanel default Web mail
2096	TCP		CPanel default SSL Web mail
2100	TCP		Warzone 2100 multiplayer
2102	TCP	UDP	zephyr-srv Project Athena Zephyr Notification Service server
2103	TCP	UDP	zephyr-clt Project Athena Zephyr Notification Service serv-hm connection
2104	TCP	UDP	zephyr-hm Project Athena Zephyr Notification Service hostmanager
2105	TCP	UDP	IBM MiniPay
2105	TCP	UDP	eklogin Kerberos encrypted remote login (rlogin)
2105	TCP	UDP	zephyr-hm-srv Project Athena Zephyr Notification Service hm-serv connection (should use port 2102)
2115	TCP	UDP	MIS Department
2121	TCP		FTP proxy
2142		UDP	TDMoIP (RFC 5087)
2144	TCP		Iron Mountain LiveVault Agent
2145	TCP		Iron Mountain LiveVault Agent
2156		UDP	Talari Reliable Protocol
2159	TCP	UDP	GDB Remote Debug Port
2160	TCP		APC Agent
2161	TCP		APC Agent
2179	TCP		VMConnect to Hyper-V hosts
2181	TCP	UDP	EForward-document transport system
2181	TCP		Apache ZooKeeper default client port
2190		UDP	TiVoConnect Beacon
2195	TCP		Apple Push Notification Service Link ( <a href="http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWithAPS/Comm">http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWithAPS/Comm</a> )
2196	TCP		Apple Push Notification—Feedback Link ( <a href="http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWithAPS/Comm">http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWithAPS/Comm</a> )
2200		UDP	Tuxanci game server <sup>[51]</sup>
2210		UDP	NOAAPORT Broadcast Network
2210	TCP		NOAAPORT Broadcast Network
2210	TCP		MikroTik Remote management for "The Dude"
2211		UDP	EMWIN

2211	TCP		EMWIN
2211	TCP		MikroTik Secure management for "The Dude"
2212		UDP	LeeCO POS Server Service
2212	TCP		LeeCO POS Server Service
2212	TCP		Port-A-Pour Remote WinBatch
2219	TCP	UDP	NetIQ NCAP Protocol
2220	TCP	UDP	NetIQ End2End
2221	TCP		ESET Anti-virus updates <sup>[52]</sup>
2222	TCP		ESET Remote administrator <sup>[52]</sup>
2222	TCP		DirectAdmin default
2223	TCP		ESET Remote administrator <sup>[52]</sup>
2223		UDP	Microsoft Office OS X antipiracy network monitor
2224	TCP		ESET Remote administrator <sup>[52]</sup>
2225	TCP		ESET Remote administrator <sup>[52]</sup>
2226	TCP		ESET Remote administrator <sup>[52]</sup>
2261	TCP	UDP	CoMotion Master
2262	TCP	UDP	CoMotion Backup
2266	TCP	UDP	M-Files ( <a href="http://www.m-files.com/">http://www.m-files.com/</a> )
2301	TCP		HP System Management Redirect to port 2381
2302		UDP	ArmA multiplayer (default for game)
2302		UDP	Halo: Combat Evolved multiplayer
2303		UDP	ArmA multiplayer (default for server reporting) ( <i>default port for game +1</i> )
2305		UDP	ArmA multiplayer (default for VoN) ( <i>default port for game +3</i> )
2323	TCP		Philips TVs based on jointSPACE <sup>[53]</sup>
2345	TCP		Default Used by Symon Communications - Symon2KpipeServer -can be changed by administrator to anything
2351	TCP		AIM game LAN network port
2368	TCP		Used by Ghost Blogging Platform ( <a href="http://ghost.org/">http://ghost.org/</a> )
2369	TCP		Default for BMC Software Control-M/Server—Configuration Agent, though often changed during installation
2370	TCP		Default for BMC Software Control-M/Server—to allow the Control-M/Enterprise Manager to connect to the Control-M/Server
2375	TCP		Docker REST API (plain)
2376	TCP		Docker REST API (SSL)
2379	TCP		KGS Go Server
2381	TCP		HP Insight Manager default for Web server
2399	TCP		FileMaker Data Access Layer (ODBC/JDBC)
2401	TCP		CVS version control system password-based server
2404	TCP		IEC 60870-5 -104, used to send electric power telecontrol messages between two systems via directly connected data circuits
2420		UDP	Westell Remote Access
2424	TCP		OrientDB database listening for Binary client connections
2427		UDP	Cisco MGCP
2447	TCP	UDP	ovwdb—OpenView Network Node Manager (NNM) daemon
2463	TCP	UDP	LSI RAID Management formerly Symbios Logic
2480	TCP		OrientDB database listening for HTTP client connections
2483	TCP	UDP	Oracle database listening for unsecure client connections to the listener, replaces port 1521
2484	TCP	UDP	Oracle database listening for SSL client connections to the listener
2500	TCP		THEÏSMESSENGER listening for TheÏsMessenger client connections
2501	TCP		TheosNet-Admin listening for TheÏsMessenger client connections
2518	TCP	UDP	Willy
2525	TCP		SMTP alternate
2535	TCP		MADCAP—Multicast Address Dynamic Client Allocation Protocol
2540	TCP	UDP	LNS/OpenLns Remote Server
2541	TCP		LNS/OpenLns Remote Server
2541		UDP	LonTalk/IP
2546–2548	TCP	UDP	EVault data protection services (Vytal Vault)
2593	TCP	UDP	RunUO—Ultima Online server
2598	TCP		new ICA (Citrix)—when Session Reliability is enabled, TCP port 2598 replaces port 1494 <sup>[47]</sup>
2599	TCP		SonicWALL anti-spam traffic between Remote Analyzer (RA) and Control Center (CC)
2610	TCP		TrackIT mobile device monitoring

2612	TCP	UDP	QPasa from MQSoftware
2636	TCP		Solve Service
2638	TCP		SQL Anywhere database server <sup>[54][55]</sup>
2641	TCP	UDP	HDL Server from CNRI
2642	TCP	UDP	Tragic
2643	TCP		NetApp SANTricity Storage Manager Jview process
2698	TCP	UDP	Citel / MCK IVPIP
2703	TCP		Vipul's Razor distributed, collaborative, spam-detection-and-filtering network
2710		UDP	XBT Tracker experimental UDP tracker extension
2710	TCP		XBT Tracker
2710	TCP		Knuddels.de
2735	TCP	UDP	NetQ Monitor Console
2809	TCP	UDP	corbaloc:iiop URL, per the CORBA 3.0.3 specification
2809	TCP		IBM WebSphere Application Server (WAS) rmi default (based on CORBA)
2811	TCP		gsi ftp, per the GridFTP specification
2827	TCP		I2P Basic Open Bridge API
2226	TCP		ESET Remote administrator <sup>[52]</sup>
2868	TCP	UDP	Norman Proprietary Event Protocol NPEP
2944		UDP	Megaco text H.248
2945		UDP	Megaco binary (ASN.1) H.248
2947	TCP		gpsd GPS daemon
2948	TCP	UDP	WAP-push Multimedia Messaging Service (MMS)
2949	TCP	UDP	WAP-pushsecure Multimedia Messaging Service (MMS)
2967	TCP		Symantec AntiVirus Corporate Edition
3000	TCP		Miralix License server
3000	TCP		Cloud9 Integrated Development Environment server
3000	TCP		Ruby on Rails development default <sup>[56]</sup>
3000	TCP		Meteor development default <sup>[57]</sup>
3000		UDP	BitTorrent Sync
3000		UDP	Distributed Interactive Simulation (DIS), modifiable default
3001	TCP		Miralix Phone Monitor
3001	TCP		Opware server (Satellite)
3002	TCP		Miralix CSTA
3003	TCP		Miralix GreenBox API
3004	TCP		Miralix InfoLink
3005	TCP		Miralix TimeOut
3006	TCP		Miralix SMS Client Connector
3007	TCP		Miralix OM Server
3008	TCP		Miralix Proxy
3017	TCP		Miralix IVR and Voicemail
3020	TCP	UDP	CIFS / SMB
3025	TCP		netpd.org
3030	TCP	UDP	NetPanzer
3040	TCP	UDP	GoLabs Update Port / Project Open Cannibal Update Port
3050	TCP	UDP	gds_db (Interbase/Firebird)
3051	TCP	UDP	Galaxy Server (Gateway Ticketing Systems)
3052	TCP	UDP	APC PowerChute Network <sup>[1]</sup>
3071	TCP	UDP	Call of duty Black ops port
3074	TCP	UDP	Xbox LIVE and/or Games for Windows – Live
3100	TCP		SMAUSA OpCon Scheduler as the default listen port
3101	TCP		BlackBerry Enterprise Server communication to cloud
3119	TCP		D2000 Entis/Actis Application server
3128	TCP		Web caches and the default for the Squid (software)
3128	TCP		Tatsoft default client connection
3141	TCP		devpi ( <a href="https://pypi.python.org/pypi/devpi">https://pypi.python.org/pypi/devpi</a> ) Python package server <sup>[58]</sup>
3162	TCP	UDP	SFLM (Standard Floating License Manager)
3180	TCP	UDP	Human Inference Suite6 HTML

3181	TCP	UDP	Human Inference Suite6 HTTPS
3182	TCP	UDP	Human Inference Suite6 AJP
3225	TCP	UDP	FCIP (Fiber Channel over Internet Protocol)
3233	TCP	UDP	WhiskerControl research control protocol
3235	TCP	UDP	Galaxy Network Service (Gateway Ticketing Systems)
3260	TCP		iSCSI target
3268	TCP	UDP	msft-gc, Microsoft Global Catalog (LDAP service which contains data from Active Directory forests)
3269	TCP	UDP	msft-gc-ssl, Microsoft Global Catalog over SSL (similar to port 3268, LDAP over SSL)
3283	TCP		Apple Remote Desktop reporting (officially <i>Net Assistant</i> , referring to an earlier product)
3290		UDP	Used by VATSIM, the Virtual Air Traffic Simulation network for voice communication.
3299	TCP		SAP-Router (routing application proxy for SAP R/3)
3300	TCP	UDP	Debate Gopher backend database system
3305	TCP	UDP	odette-ftp, Odette File Transfer Protocol (OFTP)
3306	TCP	UDP	MySQL database system
3313	TCP		Verisys file integrity monitoring software
3316	TCP		AzimuthVMS ( <a href="http://www.azimuthvms.com/">http://www.azimuthvms.com/</a> ) database port for the CCTV recording software AzimuthVMS
3323	TCP	UDP	DECE ( <a href="http://www.dece.com.tr/">http://www.dece.com.tr/</a> ) GEODI Server
3333	TCP		Eggdrop, an IRC bot default port <sup>[59]</sup>
3333	TCP		Network Caller ID server
3333	TCP		CruiseControlLrb <sup>[60]</sup>
3386	TCP	UDP	GTP' 3GPP GSM/UMTS CDR logging protocol
3389	TCP	UDP	Microsoft Terminal Server (RDP) officially registered as Windows Based Terminal (WBT) <sup>[61]</sup>
3396	TCP	UDP	Novell NDPS Printer Agent
3412	TCP	UDP	xmlBlaster
3455	TCP	UDP	[RSVP] Reservation Protocol
3423	TCP		Xware xTrm Communication Protocol
3424	TCP		Xware xTrm Communication Protocol over SSL
3478	TCP	UDP	STUN, a protocol for NAT traversal <sup>[62]</sup>
3478	TCP	UDP	TURN, a protocol for NAT traversal <sup>[63]</sup> (extension to STUN)
3483		UDP	Slim Devices discovery protocol
3483	TCP		Slim Devices SlimProto protocol
3493	TCP	UDP	Network UPS Tools (NUT)
3516	TCP	UDP	Smartcard Port
3527		UDP	Microsoft Message Queuing
3535	TCP		SMTP alternate <sup>[64]</sup>
3544		UDP	Teredo tunneling
3562	TCP	UDP	SDBProxy Simple DataBase middle-ware and proxy
3605		UDP	ComCam IO Port
3606	TCP	UDP	Splitlock Server
3632	TCP		distributed compiler
3645	TCP	UDP	Cyc
3659		UDP	Known to be used by [Battlefield 4]
3667	TCP	UDP	Information Exchange
3689	TCP		Digital Audio Access Protocol (DAAP)—used by Apple's iTunes and AirPort Express
3690	TCP	UDP	Subversion (SVN) version control system
3702	TCP	UDP	Web Services Dynamic Discovery (WS-Discovery), used by various components of Windows Vista and later
3724	TCP	UDP	Used by some Blizzard games <sup>[45]</sup>
3724	TCP		Club Penguin Disney online game for kids
3725	TCP	UDP	Netia NA-ER Port
3768	TCP	UDP	RBLcheckd server daemon
3784		UDP	Bidirectional Forwarding Detection (BFD)for IPv4 and IPv6 (Single Hop) (rfc 5881)
3785		UDP	VoIP program used by Ventrilo
3799		UDP	RADIUS change of authorization
3800	TCP		Used by HGG programs
3804	TCP	UDP	Used by Harman Professional HiQnet protocol
3825	TCP		Used by RedSeal Networks client/server connection
3826	TCP	UDP	WarMUX game server
3826	TCP		Used by RedSeal Networks client/server connection

3835	TCP		Used by RedSeal Networks client/server connection
3841	TCP		ShipRush client/server communication ( <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=3&amp;page">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=3&amp;page</a> )
3830	TCP	UDP	System Management Agent, developed and used by Cerner to monitor and manage solutions
3856	TCP	UDP	ERP Server Application used by F10 Software
3880	TCP	UDP	IGRS
3868	TCP	SCTP	Diameter base protocol (RFC 3588)
3872	TCP		Oracle Enterprise Manager Remote Agent
3899	TCP		Remote Administrator
3900	TCP		udt_os, IBM UniData UDT OS <sup>[65]</sup>
3945	TCP	UDP	EMCADS service, a Giritech ( <a href="http://www.giritech.com/">http://www.giritech.com/</a> ) product used by G/On
3960		UDP	Warframe Online
3962		UDP	Warframe Online
3978	TCP	UDP	OpenTTD game (masterserver and content service)
3979	TCP	UDP	OpenTTD game
3999	TCP	UDP	Norman distributed scanning service
4000	TCP	UDP	Diablo II game
4001	TCP		Microsoft Ants game
4007	TCP		PrintBuzzer printer monitoring socket server
4018	TCP	UDP	protocol information and warnings
4035	TCP	TCP	IBM Rational Developer for System z Remote System Explorer Daemon
4045	TCP	UDP	Solaris lockd NFS lock daemon/manager
4050	TCP		Mud Master Chat protocol (MMCP) - Peer-to-peer communications between MUD clients. <sup>[66]</sup>
4069		UDP	Minger Email Address Verification Protocol <sup>[67]</sup>
4089	TCP	UDP	OpenCORE Remote Control Service
4090	TCP	UDP	Kerio
4093	TCP	UDP	PxPlus Client server interface ProvideX
4096	TCP	UDP	Ascom Timeplex BRE (Bridge Relay Element)
4100			WatchGuard authentication applet default
4105	TCP	UDP	Shofar (ShofarNexus)
4111	TCP		Xgrid
4116	TCP	UDP	Smartcard-TLS
4117	TCP		WatchGuard System Manager
4125	TCP		Microsoft Remote Web Workplace administration
4172	TCP	UDP	Teradici PCoIP
4190	TCP		ManageSieve <sup>[68]</sup>
4201	TCP		TinyMUD and various derivatives
4226	TCP	UDP	Aleph One (game)
4224	TCP		Cisco Audio Session Tunneling
4242	TCP		Reverse Battle Tetris
4242	TCP		Orthanc—default DICOM port
4242	TCP		Quassel distributed IRC client
4243	TCP		Commonly used by Docker implementations, redistributions, and setups <sup>[69][70][71]</sup>
4243	TCP		CrashPlan
4303	TCP	UDP	Simple Railroad Command Protocol (SRCP)
4321	TCP		Referral Whois (RWhois) Protocol <sup>[72]</sup>
4323		UDP	Lincoln Electric's ArcLink/XT
4443	TCP	UDP	Individual Zone Solutions P/L Remote Mail Checking Protocol
4444	TCP	UDP	Oracle WebCenter Content: Content Server—Intrdoc Socket port. (formerly known as Oracle Universal Content Management). Port though often chan Metasploit: Default listener port
4444–4445	TCP		I2P HTTP/S proxy
4486	TCP	UDP	Integrated Client Message Service (ICMS)
4500		UDP	IPSec NAT Traversal (RFC 3947)
4502–4534	TCP		Microsoft Silverlight connectable ports under non-elevated trust
4505	TCP		Salt master
4506	TCP		Salt master
4534		UDP	Armagetron Advanced default server port

4554	TCP		Default WeSk <sup>[73]</sup> Self-Hosting Port
4560	TCP		default Log4j socketappender port
4567	TCP		Sinatra default server port in development mode (HTTP)
4569		UDP	Inter-Asterisk eXchange (IAX2)
4604	TCP		Identity Registration Protocol
4605	TCP		Direct End to End Secure Chat Protocol
4610–4640	TCP		QualiSystems TestShell Suite Services
4662		UDP	OrbitNet Message Service
4662	TCP		OrbitNet Message Service
4662	TCP		Default for older versions of eMule <sup>[74]</sup>
4664	TCP		Google Desktop Search
4672		UDP	Default for older versions of eMule <sup>[74]</sup>
4711	TCP		eMule optional web interface <sup>[74]</sup>
4711	TCP		McAfee Web Gateway 7—Default GUI Port HTTP
4712	TCP		McAfee Web Gateway 7—Default GUI Port HTTPS
4713	TCP		PulseAudio sound server
4728	TCP		Computer Associates Desktop and Server Management (DMP)/Port Multiplexer <sup>[75]</sup>
4730	TCP	UDP	Gearman' job server
4732		UDP	Digital Airways' OHM server's commands to mobile devices (used mainly for binary SMS)
4747	TCP		Apprentice
4750	TCP		BladeLogic Agent
4753	TCP	UDP	SIMON (service and discovery)
4840	TCP	UDP	OPC UA TCP Protocol for OPC Unified Architecture from OPC Foundation
4843	TCP	UDP	OPC UA TCP Protocol over TLS/SSL for OPC Unified Architecture from OPC Foundation
4847	TCP	UDP	Web Fresh Communication, Quadron Software & Odorless Entertainment
4848	TCP		Java, Glassfish Application Server, default Administration port
4894	TCP	UDP	LysKOM Protocol A
4899	TCP	UDP	Radmin remote administration tool
4949	TCP		Munin Resource Monitoring Tool
4950	TCP	UDP	Cylon Controls UC32 Communications Port
4982	TCP	UDP	Solar Data Log (JK client app for PV solar inverters)
4993	TCP	UDP	Home FTP Server web Interface Default Port
5000	TCP		complex-main
5000	TCP		UPnP—Windows network device interoperability
5000	TCP	UDP	VTun—VPN Software
5000		UDP	FlightGear multiplayer <sup>[76]</sup>
5000	TCP		Synology Inc. Management Console, File Station, Audio Station
5000	TCP		Flask Development Webserver
5000	TCP		Heroku console access
5001	TCP		complex-link
5001	TCP		Slingbox and Slingplayer
5001	TCP		Iperf (Tool for measuring TCP and UDP bandwidth performance)
5001		UDP	Iperf (Tool for measuring TCP and UDP bandwidth performance)
5001	TCP		Synology Inc. Secured Management Console, File Station, Audio Station
5002	TCP		ASSA ARX access control system <sup>[77]</sup>
5002		UDP	Drobo Dashboard <sup>[78]</sup>
5003	TCP	UDP	FileMaker
5004	TCP	UDP	RTP (Real-time Transport Protocol) media data (RFC 3551, RFC 4571)
5004	DCCP		RTP (Real-time Transport Protocol) media data (RFC 3551, RFC 4571)
5005	TCP	UDP	RTCP (Real-time Transport Protocol) control protocol (RFC 3551, RFC 4571)
5005	DCCP		RTCP (Real-time Transport Protocol) control protocol (RFC 3551, RFC 4571)
5010	TCP	UDP	Registered to: TelePath (the IBM FlowMark workflow-management system messaging platform) <sup>[79]</sup> The TCP port is now used for: IBM WebSphere MQ Workflow
5011	TCP	UDP	TelePath (the IBM FlowMark workflow-management system messaging platform) <sup>[79]</sup>
5029	TCP		Sonic Robo Blast 2 ( <a href="http://www.srb2.org/">http://www.srb2.org/</a> ) : Multiplayer <sup>[80]</sup>
5031	TCP	UDP	AVM CAPI-over-TCP (ISDN over Ethernet tunneling)

5037	TCP		Android ADB server
5048	TCP		Texai Message Service
5050	TCP		Yahoo! Messenger
5051	TCP		ita-agent Symantec Intruder Alert <sup>[81]</sup>
5060	TCP	UDP	Session Initiation Protocol (SIP)
5061	TCP		Session Initiation Protocol (SIP) over TLS
5062	TCP	UDP	Localisation access
5064	TCP	UDP	EPICS Channel Access ( <a href="http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port">http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port</a> ) Server <sup>[82]</sup>
5065	TCP	UDP	EPICS Channel Access ( <a href="http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port">http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port</a> ) Repeater Beacon <sup>[83]</sup>
5070	TCP		Binary Floor Control Protocol (BFCP) <sup>[84]</sup>
5082	TCP	UDP	Qpur Communication Protocol
5083	TCP	UDP	Qpur File Protocol
5084	TCP	UDP	EPCglobal Low Level Reader Protocol (LLRP)
5085	TCP	UDP	EPCglobal Low Level Reader Protocol (LLRP) over TLS
5093		UDP	SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, Client-to-Server
5099	TCP	UDP	SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, Server-to-Server
5104	TCP		IBM Tivoli Framework NetCOOL/Impact <sup>[85]</sup> HTTP Service
5106	TCP		A-Talk Common connection
5107	TCP		A-Talk Remote server connection
5108	TCP		VPOP3 Mail Server Webmail
5109	TCP	UDP	VPOP3 Mail Server Status
5110	TCP		ProRat Server
5121	TCP		Neverwinter Nights
5124	TCP	UDP	TorgaNET (Micronational Darknet)
5125	TCP	UDP	TorgaNET (Micronational Intelligence Darknet)
5150	TCP	UDP	ATMP Ascend Tunnel Management Protocol <sup>[86]</sup>
5150	TCP	UDP	Malware Cerberus RAT
5151	TCP		ESRI SDE Instance
5151		UDP	ESRI SDE Remote Start
5154	TCP	UDP	BZFlag
5176	TCP		ConsoleWorks default UI interface
5190	TCP		ICQ and AOL Instant Messenger
5222	TCP		Extensible Messaging and Presence Protocol (XMPP) client connection <sup>[87][88]</sup>
5223	TCP		Extensible Messaging and Presence Protocol (XMPP) client connection over SSL
5228	TCP		HP Virtual Room Service
5228	TCP		Google Play, Android Cloud to Device Messaging Service, Google Cloud Messaging
5246		UDP	Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP control <sup>[89]</sup>
5247		UDP	Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data <sup>[89]</sup>
5269	TCP		Extensible Messaging and Presence Protocol (XMPP) server connection <sup>[87][88]</sup>
5280	TCP		Extensible Messaging and Presence Protocol (XMPP) XEP-0124: Bidirectional-streams Over Synchronous HTTP (BOSH) ( <a href="http://xmpp.org/extensions/x">http://xmpp.org/extensions/x</a> )
5281	TCP		Undo License Manager
5281	TCP		Extensible Messaging and Presence Protocol (XMPP) <sup>[90]</sup>
5298	TCP	UDP	Extensible Messaging and Presence Protocol (XMPP) <sup>[91]</sup>
5310	TCP	UDP	Outlaws (1997 video game). Both UDP and TCP are reserved, but only UDP is used
5349	TCP		STUN, a protocol for NAT traversal (UDP is reserved) <sup>[62]</sup>
5349	TCP		TURN, a protocol for NAT traversal (UDP is reserved) <sup>[63]</sup>
5351	TCP	UDP	NAT Port Mapping Protocol—client-requested configuration for inbound connections through network address translators
5353		UDP	Multicast DNS (mDNS)
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 V
5357	TCP	UDP	Web Services for Devices (WSDAPI) (only provided by Windows Vista, Windows 7 and Server 2008)
5358	TCP	UDP	WSDAPI Applications to Use a Secure Channel (only provided by Windows Vista, Windows 7 and Server 2008)
5394		UDP	Kega Fusion, a Sega multi-console emulator <sup>[92][93]</sup>
5402	TCP	UDP	mftp, Stratacache <sup>[94]</sup> OmniCast ( <a href="http://stratacache.com/1!_omnicast.html">http://stratacache.com/1!_omnicast.html</a> ) content delivery system MFTP file sharing protocol
5405	TCP	UDP	NetSupport Manager
5412	TCP	UDP	IBM Rational Synergy (Telelogic Synergy) (Continuous CM) Message Router
5413	TCP	UDP	Wonderware SuiteLink service

5417	TCP	UDP	SNS Agent
5421	TCP	UDP	NetSupport Manager
5432	TCP	UDP	PostgreSQL database system
5433	TCP		Bousofsoft file/webserver <sup>[95]</sup>
5445		UDP	Cisco Unified Video Advantage
5450	TCP		OSIsoft PI Server Client Access
5454	TCP		OSIsoft PI Asset Framework 1.x Client Access
5455	TCP		OSIsoft PI Asset Framework 1.x Client Access
5457	TCP		OSIsoft PI Asset Framework 2.x Client Access
5458	TCP		OSIsoft PI Notifications Client Access
5459	TCP		OSIsoft PI Asset Framework 2.x Client Access
5463	TCP		OSIsoft PI Asset Based Analytics
5468	TCP		OSIsoft PI Event Driven Notifications Client Access
5480	TCP		VMware VAMI (Virtual Appliance Management Infrastructure)—used for initial setup of various administration settings on Virtual Appliances designed us architecture.
5495	TCP		IBM Cognos TM1 Admin server
5498	TCP		Hotline tracker server connection
5499		UDP	Hotline tracker server discovery
5500	TCP		VNC remote desktop protocol—for incoming listening viewer, Hotline control connection
5501	TCP		Hotline file transfer connection
5517	TCP		Setiqueue Proxy server client for SETI@Home project
5550	TCP		Hewlett-Packard Data Protector
5555	TCP	UDP	Oracle WebCenter Content: Inbound Refinery—Intradoc Socket port. (formerly known as Oracle Universal Content Management). Port though often ch
5555	TCP		Freeeciv versions up to 2.0, Hewlett-Packard Data Protector, McAfee EndPoint Encryption Database Server, SAP, Default for Microsoft Dynamics CRM
5556	TCP	UDP	Freeeciv, Oracle WebLogic Server Node Manager <sup>[96]</sup>
5591	TCP		Default for Tidal Enterprise Scheduler master-Socket used for communication between Agent-to-Master, though can be changed
5631	TCP		pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later <sup>[97]</sup> ) <sup>[98]</sup> data
5632		UDP	pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status
6541	TCP		MirrorOp2 (default)
6542	TCP		MirrorOp2 (fallback)
5656	TCP		IBM Lotus Sametime p2p file transfer
5666	TCP		NRPE (Nagios)
5667	TCP		NSCA (Nagios)
5672	TCP		AMQP <sup>[99]</sup>
5678		UDP	Mikrotik RouterOS Neighbor Discovery Protocol (MNDP)
5683		UDP	Constrained Application Protocol (CoAP)
5718	TCP		Microsoft DPM Data Channel (with the agent coordinator)
5719	TCP		Microsoft DPM Data Channel (with the protection agent)
5721	TCP	UDP	Kaseya
5723	TCP		System Center Operations Manager <sup>[100]</sup>
5724	TCP		Operations Manager Console
5741	TCP	UDP	IDA Discover Port 1
5742	TCP	UDP	IDA Discover Port 2
5800	TCP		VNC remote desktop protocol—for use over HTTP
5814	TCP	UDP	Hewlett-Packard Support Automation (HP OpenView Self-Healing Services)
5850	TCP		COMIT SE (PCR)
5852	TCP		Adeona client: communications to OpenDHT
5900	TCP	UDP	Remote Frame Buffer protocol (RFB), Virtual Network Computing (VNC) remote desktop protocol <sup>[101]</sup>
5912	TCP		Default for Tidal Enterprise Scheduler agent-Socket used for communication between Master-to-Agent, though can be changed
5931	TCP	UDP	AMMY admin Remote Control
5938	TCP	UDP	TeamViewer remote desktop protocol <sup>[102]</sup>
5984	TCP	UDP	CouchDB database server
5985	TCP		Windows PowerShell Default psSession Port <sup>[103]</sup>
5986	TCP		Windows PowerShell Default psSession Port <sup>[103]</sup>
5988-5989	TCP		CIM XML transactions over HTTP/S—VMware vCenter ESXi management <sup>[104]</sup>
5999	TCP		CVSup file update tool <sup>[105]</sup>



6000	TCP		X11—used between an X client and server over the network
6001		UDP	X11—used between an X client and server over the network
6005	TCP		Default for BMC Software Control-M/Server—Socket used for communication between Control-M processes—though often changed during installation
6005	TCP		Default for Camfrog chat & cam client
6009	TCP		JD Edwards EnterpriseOne ERP system JDENet messaging client listener
6050	TCP		Arcserve backup
6050	TCP		Nortel software
6051	TCP		Arcserve backup
6072	TCP		iOperator Protocol Signal Port
6086	TCP		PDTP—FTP like file server in a P2P network
6100	TCP		Vizrt System
6100	TCP		Ventrilo This is the authentication port that must be allowed outbound for version 3 of Ventrilo
6101	TCP		Backup Exec Agent Browser
6110	TCP	UDP	softcm, HP Softbench CM
6111	TCP	UDP	spc, HP Softbench Sub-Process Control
6112		UDP	"dtspcd"—a network daemon that accepts requests from clients to execute commands and launch applications remotely
6112	TCP		"dtspcd"—a network daemon that accepts requests from clients to execute commands and launch applications remotely
6112	TCP		Blizzard's Battle.net gaming service and some games, <sup>[45]</sup> ArenaNet gaming service, Relic gaming service
6112	TCP		Club Penguin Disney online game for kids
6113	TCP		Club Penguin Disney online game for kids, Used by some Blizzard games <sup>[45]</sup>
6129	TCP		DameWare Remote Control
6159	TCP		ARINC 840 EFB Application Control Interface
6200	TCP		Oracle WebCenter Content Portable: Content Server (With Native UI) and Inbound Refinery
6201	TCP		Oracle WebCenter Content Portable: Admin
6225	TCP		Oracle WebCenter Content Portable: Content Server Web UI
6227	TCP		Oracle WebCenter Content Portable: JavaDB
6230	TCP		Codenger Dev Server ( <a href="http://codenger.com/">http://codenger.com/</a> )
6240	TCP		Oracle WebCenter Content Portable: Capture
6244	TCP	UDP	Oracle WebCenter Content Portable: Content Server—Intradoc Socket port
6255	TCP	UDP	Oracle WebCenter Content Portable: Inbound Refinery—Intradoc Socket port
6257		UDP	WinMX (see also 6699)
6260	TCP	UDP	planet M.U.L.E.
6262	TCP		Sybase Advantage Database Server
6324	TCP	UDP	Hall Research ( <a href="http://www.hallresearch.com/">http://www.hallresearch.com/</a> ) Device discovery and configuration
6343		UDP	SFlow, sFlow traffic monitoring
6346	TCP	UDP	gnutella-svc, gnutella (FrostWire, Linewire, Shareaza, etc.)
6347	TCP	UDP	gnutella-rtr, Gnutella alternate
6350	TCP	UDP	App Discovery and Access Protocol
6379	TCP		Redis key-value data store
6389	TCP		EMC CLARiiON
6432	TCP		PgBouncer—A connection pooler for PostgreSQL
6436	TCP		Leap Motion Websocket Server TLS
6437	TCP		Leap Motion Websocket Server
6444	TCP	UDP	Sun Grid Engine—Qmaster Service
6445	TCP	UDP	Sun Grid Engine—Execution Service
6514	TCP		Syslog over TLS <sup>[106]</sup>
6502	TCP	UDP	Netop Remote Control
6515	TCP	UDP	Eclipse RPC Protocol (REC)
6522	TCP		Gobby (and other libobby-based software)
6523	TCP		Gobby 0.5 (and other libinfinity-based software)
6543	TCP		Pylons project#Pyramid Default Pylons Pyramid web service port
6543		UDP	Paradigm Research & Development ( <a href="http://www.p-rd.com/index.html">http://www.p-rd.com/index.html</a> ) Jetnet <sup>[107]</sup> default
6556	TCP		Check MK Agent
6566	TCP		SANE (Scanner Access Now Easy)—SANE network scanner daemon <sup>[108]</sup>
6560–6561	TCP		Speech-Dispatcher daemon
6571			Windows Live FolderShare client
6600	TCP		Microsoft Hyper-V Live

6600	TCP		Music Player Daemon (MPD)
6601	TCP		Microsoft Forefront Threat Management Gateway
6602	TCP		Microsoft Windows WSS Communication
6619	TCP	UDP	odette-ftps, Odette File Transfer Protocol (OFTP) over TLS/SSL
6622	TCP	UDP	Multicast FTP
6646		UDP	McAfee Network Agent
6653	TCP		Openflow 1.3
6660–6664	TCP		Internet Relay Chat (IRC)
6665–6669	TCP		Internet Relay Chat (IRC)
6679	TCP	UDP	Osomo Automation Protocol (OSAUT)
6679	TCP		IRC SSL (Secure Internet Relay Chat)—often used
6690	TCP		Synology Cloud station
6697	TCP		IRC SSL (Secure Internet Relay Chat)—often used
6699	TCP		WinMX (see also 6257)
6702	TCP		Default for Tidal Enterprise Scheduler client-Socket used for communication between Client-to-Master, though can be changed
6715	TCP		AberMUD and derivatives default port
6771		UDP	Polycom server broadcast
6783	TCP		Splashtop Remote server broadcast
6784	TCP		Splashtop Remote server broadcast
6785	TCP		Splashtop Remote server broadcast
6789	TCP		Campbell Scientific Loggernet Software <sup>[109]</sup>
6789	TCP		Bucky's Instant Messaging Program
6869	TCP		Derandom default server
6881–6887	TCP	UDP	BitTorrent part of full range of ports used most often
6888	TCP	UDP	MUSE
6888	TCP	UDP	BitTorrent part of full range of ports used most often
6889–6890	TCP	UDP	BitTorrent part of full range of ports used most often
6891–6900	TCP	UDP	BitTorrent part of full range of ports used most often
6891–6900	TCP	UDP	Windows Live Messenger (File transfer)
6901	TCP	UDP	Windows Live Messenger (Voice)
6901	TCP	UDP	BitTorrent part of full range of ports used most often
6902–6968	TCP	UDP	BitTorrent part of full range of ports used most often
6969	TCP	UDP	acmsoda
6969	TCP		BitTorrent tracker
6970–6999	TCP	UDP	BitTorrent part of full range of ports used most often
7000	TCP		Default for Vuze's built in HTTPS Bittorrent Tracker
7000	TCP		Avira Server Management Console
7001	TCP		Avira Server Management Console
7001	TCP		Default for BEA WebLogic Server's HTTP server, though often changed during installation
7002	TCP		Default for BEA WebLogic Server's HTTPS server, though often changed during installation
7005	TCP		Default for BMC Software Control-M/Server and Control-M/Agent for Agent-to-Server, though often changed during installation
7006	TCP		Default for BMC Software Control-M/Server and Control-M/Agent for Server-to-Agent, though often changed during installation
7010	TCP		Default for Cisco AON AMC (AON Management Console) <sup>[110]</sup>
7022	TCP		Database mirroring endpoints <sup>[111]</sup>
7023		UDP	Bryan Wilcutt T2-NMCS Protocol for SatCom Modems
7025	TCP		Zimbra LMTP [mailbox]—local mail delivery
7047	TCP		Zimbra conversion server
7080			Sepialine Argos Communications port
7133	TCP		Enemy Territory: Quake Wars
7144	TCP		Peercast
7145	TCP		Peercast
7171	TCP		Tibia

7262	TCP	UDP	CNAP (Calypso Network Access Protocol)
7306	TCP		Zimbra mysql [mailbox]
7307	TCP		Zimbra mysql [logger]
7312		UDP	Sibelius License Server
7396	TCP		Web control interface for Folding@home v7.3.6 and later <sup>[112]</sup>
7400	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS Discovery
7401	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS User-Traffic
7402	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS Meta-Traffic
7471	TCP		Stateless Transport Tunneling (STT)
7473	TCP		Rise: The Vieneo Province
7474	TCP		Neo4J Server webadmin <sup>[113]</sup>
7509	TCP		ACPLT - process automation service
7547	TCP	UDP	CPE WAN Management Protocol (CWMP) Technical Report 069
7575		UDP	Populous: The Beginning server
7624	TCP	UDP	Instrument Neutral Distributed Interface
7631	TCP		ERLPhase
7634	TCP		hddtemp—Utility to monitor hard drive temperature
7652–7654	TCP		I2P anonymizing overlay network
7655		UDP	I2P SAM Bridge Socket API
7656–7660	TCP		I2P anonymizing overlay network
7670	TCP		BrettspielWelt BSW Boardgame Portal
7676	TCP		Aqumin AlphaVision Remote Command Interface
7700		UDP	P2P DC (RedHub)
7707		UDP	Killing Floor
7708		UDP	Killing Floor
7717		UDP	Killing Floor
7777	TCP		iChat server file transfer proxy
7777	TCP		Oracle Cluster File System 2
7777	TCP		Windows backdoor program tini.exe default
7777	TCP		Just Cause 2: Multiplayer Mod Server
7777	TCP		Xivio default Chat Server
7777	TCP		Terraria default server
7777		UDP	San Andreas Multiplayer (SA-MP) default port server
7778	TCP		Bad Trip MUD ( <a href="http://www.badtripmud.com/">http://www.badtripmud.com/</a> )
7777–7788		UDP	Unreal Tournament series default server
7777–7788	TCP		Unreal Tournament series default server
7787–7788	TCP		GFI EventsManager 7 & 8
7831	TCP		Default used by Smartlaunch Internet Cafe Administration <sup>[114]</sup> software
7880	TCP	UDP	PowerSchool Gradebook Server
7890	TCP		Default that will be used by the iControl Internet Cafe Suite Administration software
7915	TCP		Default for YSFflight server <sup>[115]</sup>
7935	TCP		Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb). <sup>[116]</sup>
7937–9936	TCP	UDP	EMC <sup>2</sup> (Legato) Networker or Sun Solstice Backup
8000		UDP	iRDMI (Intel Remote Desktop Management Interface) <sup>[117]</sup> —sometimes erroneously used instead of port 8080
8000	TCP		iRDMI (Intel Remote Desktop Management Interface) <sup>[117]</sup> —sometimes erroneously used instead of port 8080
8000	TCP		Commonly used for Internet radio streams such as SHOUTcast
8000	TCP		Splunk web-interface
8000	TCP		Freemake VideoCapture service (part of Freemake Video Downloader) <sup>[118]</sup>
8000	TCP		DynamoDB Local <sup>[119]</sup>
8000	TCP		Nortel Contivity Router Firewall User Authentication (FWUA) default port number
8001	TCP		Commonly used for Internet radio streams such as SHOUTcast
8002	TCP		Cisco Systems Unified Call Manager Intercluster
8005	TCP		Apache Tomcat's Shutdown port

8006	TCP		Dell AppAssure 5 API and Replication <sup>[120]</sup>
8007	TCP		Dell AppAssure 5 Engine <sup>[120]</sup>
8008	TCP		HTTP Alternate
8008	TCP		IBM HTTP Server administration default
8009	TCP		ajp13—Apache JServ Protocol AJP Connector
8010	TCP		XMPP File transfers
8011–8013	TCP		HTTP/TCP Symon Communications Event and Query Engine
8014	TCP		HTTP/TCP Symon Communications Event and Query Engine
8014	TCP	UDP	Perseus SDR Receiver ( <a href="http://www.microtelecom.it/perseus/">http://www.microtelecom.it/perseus/</a> ) default remote connection port
8020	TCP		360Works SuperContainer ( <a href="http://360works.com/supercontainer/">http://360works.com/supercontainer/</a> ) <sup>[121]</sup>
8042	TCP		Orthanc—Default HTTP Port for GUI
8069	TCP		OpenERP Default HTTP port (web interface and xmlrpc calls)
8070	TCP		OpenERP Legacy netrpc protocol
8074	TCP		Gadu-Gadu
8075	TCP		Killing Floor
8078	TCP	UDP	Default port for most Endless Online-based servers
8080	TCP		HTTP alternate ( <a href="http://_alt">http://_alt</a> )—commonly used for Web proxy and caching server, or for running a Web server as a non-root user
8080	TCP		Apache Tomcat
8080	TCP		M2MLogger ( <a href="http://www.m2mlogger.com/">http://www.m2mlogger.com/</a> ) WebFRONT Cloud connector
8080	TCP		Syncting web GUI
8080		UDP	FilePhile Master/Relay
8080	TCP		Vermont Systems / RecTrac Vermont Systems RecTrac (WebTrac) network installer
8081	TCP		HTTP alternate, VibeStreamer, e.g. McAfee ePolicy Orchestrator (ePO)
8083		UDP	Transporter Connected Data, Inc.
8085		TCP/UDP	Wiki Service uses TCP (Mac OS X Server v10.5 and later) / inSpeak Communicator uses both TCP/UDP.
8086	TCP		HELM Web Host Automation Windows Control Panel
8086	TCP		Kaspersky AV Control Center
8087	TCP		Hosting Accelerator Control Panel
8087	TCP		Parallels Plesk Control Panel
8087		UDP	Kaspersky AV Control Center
8088	TCP		Asterisk (PBX) Web Configuration utility (GUI Addon)
8089	TCP		Splunk REST API endpoint. This port is NOT used for any forwarding or indexing. It is used only for command and control functions.
8089	TCP		AVM Fritzbox for automatic tr069 configuration.
8090	TCP		Atlassian Confluence (default port) <sup>[122]</sup>
8090	TCP		Coral Content Distribution Network (deprecated; 80 and 8080 now supported) <sup>[123]</sup>
8091	TCP		CouchBase Web Administration
8092	TCP		CouchBase API
8100	TCP		Console Gateway License Verification
8111	TCP		JOSM Remote Control
8112	TCP		PAC Pacifica Coin
8116		UDP	Check Point Cluster Control Protocol
8118	TCP		Privoxy—advertisement-filtering Web proxy
8123	TCP		Polipo Web proxy
8123	TCP		Bukkit DynMap Default Webserver Bind Address
8139	TCP		Puppet (software) Client agent
8140	TCP		Puppet (software) Master server
8172	TCP		Microsoft Remote Administration for IIS Manager <sup>[124]</sup>
8176	TCP		Perceptive Automation ( <a href="http://www.perceptiveautomation.com/corp/overview.html">http://www.perceptiveautomation.com/corp/overview.html</a> ) Indigo ( <a href="http://www.perceptiveautomation.com/indigo/">http://www.perceptiveautomation.com/indigo/</a> ) Home automata access
8184	TCP		NCSA Brown Dog Data Access Proxy
8192	TCP		Sophos Remote Management System
8193	TCP		Sophos Remote Management System
8194	TCP		Sophos Remote Management System
8194	TCP		Bloomberg Application <sup>[1]</sup>
8195	TCP		Bloomberg Application
8200	TCP		GoToMyPC
8222	TCP		VMware Server Management User Interface <sup>[125]</sup> (insecure Web interface). <sup>[126]</sup> See also port 8333

8243	TCP	UDP	HTTPS listener for Apache Synapse <sup>[127]</sup>
8280	TCP	UDP	HTTP listener for Apache Synapse <sup>[127]</sup>
8281	TCP		HTTP Listener for Gatecraft Plugin
8291	TCP		Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS <sup>[128]</sup>
8303		UDP	Teeworlds Server
8330	TCP		MultiBit HD, [1] ( <a href="https://multibit.org/">https://multibit.org/</a> )
8331	TCP		MultiBit, [2] ( <a href="https://multibit.org/">https://multibit.org/</a> )
8332	TCP		Bitcoin JSON-RPC server <sup>[129]</sup>
8333	TCP		Bitcoin <sup>[130]</sup>
8333	TCP		VMware Server Management User Interface <sup>[125]</sup> (secure Web interface). <sup>[126]</sup> See also port 8222
8337	TCP		VisualSVN Distributed File System Service (VDFS) <sup>[131]</sup>
8400	TCP	UDP	cvp, CommVault Unified Data Management
8442	TCP	UDP	CyBro A-bus, Cybrotech Ltd. ( <a href="http://www.cybrotech.co.uk/">http://www.cybrotech.co.uk/</a> )
8443	TCP		SW Soft Plesk Control Panel, Apache Tomcat SSL, Promise WebPAM SSL, McAfee ePolicy Orchestrator (ePO)
8444	TCP		Bitmessage
8484	TCP		MapleStory Login Server
8500	TCP	UDP	ColdFusion Macromedia/Adobe ColdFusion default and Duke Nukem 3D—default
8501	TCP		[3] ( <a href="http://www.dukesterx.net/">http://www.dukesterx.net/</a> ) DukesterX —default
8530	TCP		Windows Server Update Services
8531	TCP		Windows Server Update Services over TLS/SSL (HTTPS)
8580	TCP		Freemove
8585	TCP		MapleStory Game Server
8586	TCP		MapleStory Game Server
8587	TCP		MapleStory Game Server
8588	TCP		MapleStory Game Server
8589	TCP		MapleStory Game Server
8601	TCP		Wavestore CCTV protocol <sup>[132]</sup>
8602	TCP	UDP	Wavestore Notification protocol <sup>[132]</sup>
8629	TCP		Tibero Server
8642	TCP		Lotus Traveller
8691	TCP		Ultra Fractal default server port for distributing calculations over network computers
8701		UDP	SoftPerfect Bandwidth Manager
8702		UDP	SoftPerfect Bandwidth Manager
8742	TCP		avast! WebShield
8767		UDP	TeamSpeak—default
8768		UDP	TeamSpeak—alternate
8778	TCP		EPOS Speech Synthesis System
8787	TCP		MapleStory CashShop Game Server
8788	TCP		MapleStory CashShop Game Server
8834			Nessus web
8835			Passive Vulnerability Scanner web
8836			Log Correlation Engine web
8840	TCP		Opera Unite server
8845	TCP		Sage Group - Sage AutoUpdate Manager Service
8880		UDP	cddb-alt, CD DataBase (CDDb) protocol (CDDbP) alternate
8880	TCP		cddb-alt, CD DataBase (CDDb) protocol (CDDbP) alternate
8880	TCP		WebSphere Application Server SOAP connector default
8880	TCP		Win Media Streamer to Server SOAP connector default
8881	TCP		Atlasz Informatics Research Ltd Secure Application Server
8881	TCP		Netflixity Inc QFlex—IBM WebSphere MQ monitoring software.
8882	TCP		Atlasz Informatics Research Ltd Secure Application Server
8883	TCP	UDP	Secure MQ Telemetry Transport (MQTT over SSL)
8886	TCP		PPM3 (Padtec Management Protocol version 3)
8887	TCP		HyperVM HTTP
8888	TCP		HyperVM HTTPS
8888	TCP		Freenet HTTP
8888	TCP	UDP	NewsEDGE server

8888	TCP		Sun Answerbook dwhttpd server (deprecated by docs.sun.com ( <a href="http://docs.sun.com/app/docs">http://docs.sun.com/app/docs</a> ))
8888	TCP		GNUMp3d HTTP music streaming and Web interface
8888	TCP		LoLo Catcher HTTP Web interface ( <a href="http://www.optiform.com">www.optiform.com</a> )
8888	TCP		D2GS Admin Console Telnet administration console for D2GS servers (Diablo 2)
8888	TCP		Earthland Relams 2 Server (AU1_2)
8888	TCP		MAMP Server
8889	TCP		MAMP Server
8889	TCP		Earthland Relams 2 Server (AU1_1)
8937	TCP		Transaction Warehouse Data Service (TWDS)
8983	TCP		Default for Apache Solr <sup>[133]</sup>
8998	TCP		I2P Monotone Repository
8989	TCP		STEP Bible : Scripture Tools for Every Person
9000	TCP		SonarQube Web Server <sup>[134]</sup>
9000	TCP		Buffalo LinkSystem Web access
9000	TCP		DBGp
9000	TCP		SqueezeCenter web server & streaming
9000		UDP	UDPCast
9000	TCP		Play! Framework web server <sup>[135]</sup>
9000	TCP		Hadoop NameNode default port
9000	TCP		PHP-FPM default port
9000	TCP		QBittorrent's embedded torrent tracker default port <sup>[136]</sup>
9001	TCP	UDP	ETL Service Manager <sup>[137]</sup>
9001			Microsoft SharePoint authoring environment
9001			cisco-xremote router configuration
9001			Tor network default
9001	TCP		DBGp Proxy
9001	TCP		HSQldb default port
9002			Newforma Server comms
9009	TCP	UDP	Pichat Server—Peer to peer chat software
9010	TCP		TISERVICEMANAGEMENT Numara Track-It!
9020	TCP		WiT WiT Services
9025	TCP		WiT WiT Services
9030	TCP		Tor often used
9042	TCP		Apache Cassandra native protocol clients
9043	TCP		WebSphere Application Server Administration Console secure
9050	TCP		Tor
9051	TCP		Tor
9060	TCP		WebSphere Application Server Administration Console
9080		UDP	glrpc, Groove Collaboration software GLRPC
9080	TCP		glrpc, Groove Collaboration software GLRPC
9080	TCP		WebSphere Application Server HTTP Transport (port 1) default
9080	TCP		Remote Potato by FatAttitude, Windows Media Center addon
9080	TCP		ServerWMC, Windows Media Center addon
9090	TCP	UDP	WebSM
9090	TCP		Webwasher, Secure Web, McAfee Web Gateway—Default Proxy Port
9090	TCP		Openfire Administration Console
9090	TCP		SqueezeCenter control (CLI)
9090	TCP		Cherokee Admin Panel
9091	TCP		Openfire Administration Console (SSL Secured)
9091	TCP		Transmission (BitTorrent client) Web Interface
9092	TCP		H2 (DBMS) Database Server
9100	TCP		PDL Data Stream
9100	TCP	UDP	LPR - RAW Printing
9101	TCP	UDP	Bacula Director
9102	TCP	UDP	Bacula File Daemon
9103	TCP	UDP	Bacula Storage Daemon
9105	TCP	UDP	Xadmin Control Daemon
9106	TCP	UDP	Astergate Control Daemon

9107	TCP		Astergate-FAX Control Daemon
9110		UDP	SSMP Message protocol
9119	TCP	UDP	MXit Instant Messenger
9150	TCP		Tor
9191	TCP		Catamount Software—PocketMoney Sync
9191	TCP		Sierra Wireless Airlink
9199	TCP		Avtex LLC—qStats
9200	TCP		Elasticsearch <sup>[138]</sup> —default Elasticsearch port
9217	TCP		iPass Platform Service
9293	TCP		Sony PlayStation RemotePlay <sup>[139]</sup>
9300	TCP		IBM Cognos 8 SOAP Business Intelligence and Performance Management
9303		UDP	D-Link Shareport Share storage and MFP printers
9306	TCP		Sphinx Native API
9309	TCP	UDP	Sony PlayStation Vita Host Collaboration WiFi Data Transfer <sup>[140]</sup>
9312	TCP		Sphinx SphinxQL
9332	TCP		Litecoin JSON-RPC server
9333	TCP		Litecoin
9339	TCP		Clash of Clans, a mobile freemium strategy video game
9389	TCP	UDP	adws, Microsoft AD DS Web Services, Powershell uses this port
9418	TCP	UDP	git, Git pack transfer service
9420	TCP		MooseFS distributed file system—master server to chunk servers
9421	TCP		MooseFS distributed file system—master server to clients
9422	TCP		MooseFS distributed file system—chunk servers to clients
9443	TCP		VMware Websense Triton console (HTTPS port used for accessing and administrating a vCenter Server via the Web Management Interface)
9443	TCP		NCSA Brown Dog Data Tiling Service
9535	TCP	UDP	mngsuite, LANdesk Management Suite Remote Control
9536	TCP	UDP	laes-bf, IP Fabrics Surveillance buffering function
9600		UDP	Omron FINS, OMRON FINS PLC communication
9675	TCP	UDP	Spiceworks Desktop, IT Helpdesk Software
9676	TCP	UDP	Spiceworks Desktop, IT Helpdesk Software
9695		UDP	CCNx ( <a href="http://www.ccnx.org/">http://www.ccnx.org/</a> )
9800	TCP	UDP	WebDAV Source
9800			WebCT e-learning portal
9875	TCP		Club Penguin Disney online game for kids
9898		UDP	MonkeyCom
9898	TCP		MonkeyCom
9898	TCP		Tripwire—File Integrity Monitoring Software <sup>[141]</sup>
9899		UDP	SCTP tunneling (port number used in SCTP packets encapsulated in UDP, RFC6951)
9987		UDP	TeamSpeak 3 server default (voice) port (for the conflicting service see the IANA list)
9993		UDP	ZeroTier Default port for ZeroTier
9996	TCP		AdRem Software, Inc.'s NetCrunch NetFlow collector port. This port can be changed <sup>[142]</sup>
9997	TCP		Splunk port for communication between the forwarders and indexers
9998	TCP		Sage Group - Sage API Communication Service
9999			Hydranode—edonkey2000 TELNET control
9999	TCP		Lantronix UDS-10/UDS100 <sup>[143]</sup> RS-485 to Ethernet Converter TELNET control
9999			Urchin Web Analytics
10000			Webmin—Web-based administration tool for Unix-like systems
10000			BackupExec
10000			Ericsson Account Manager (avim)
10001		UDP	Ubiquiti UniFi access points broadcast to 255.255.255.255:10001 (UDP) to locate the controller(s)
10001	TCP		Lantronix UDS-10/UDS100 <sup>[144]</sup> RS-485 to Ethernet Converter default
10003	TCP		ForeScout SecureConnector
10008	TCP	UDP	Octopus Multiplexer, primary port for the CROMP protocol ( <a href="http://hoople.org/hoople/readme.txt">http://hoople.org/hoople/readme.txt</a> ), which provides a platform-independent means for con across a network
10009	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter
10010	TCP		Open Object Rexx (ooRexx) rxapi daemon
10017			AIX,NeXT, HPUX—rexid daemon control
10024	TCP		Zimbra smtp [mta]—to amavis from postfix

10025	TCP		Zimbra smtp [mta]—back to postfix from amavis
10042	TCP		Mathoid server
10050	TCP	UDP	Zabbix-Agent
10051	TCP	UDP	Zabbix-Trapper
10110	TCP	UDP	NMEA 0183 Navigational Data. Transport of NMEA 0183 sentences over TCP or UDP
10113	TCP	UDP	NetIQ Endpoint
10114	TCP	UDP	NetIQ Qcheck
10115	TCP	UDP	NetIQ Endpoint
10116	TCP	UDP	NetIQ VoIP Assessor
10172	TCP		Intuit Quickbooks client
10200	TCP		FRISK Software International's <i>fp scand</i> virus scanning daemon for Unix platforms <sup>[145]</sup>
10200	TCP		FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[146]</sup>
10201–10204	TCP		FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[146]</sup>
10212	TCP		GE Intelligent Platforms Proficy HMI/SCADA – CIMPLICITY WebView <sup>[147]</sup>
10301	TCP		VoiceIP-ACS UMP default device provisioning endpoint
10302	TCP		VoiceIP-ACS UMP default device provisioning endpoint (SSL)
10308			Lock-on: Modern Air Combat
10480			SWAT 4 Dedicated Server
10505		UDP	BlueStacks (android simulator) broadcast <sup>[148]</sup>
10514	TCP	UDP	TLS-enabled Rsyslog (default by convention)
10823		UDP	Farming Simulator 2011 Default Server
10891	TCP		Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost)
11001	TCP	UDP	metasys ( Johnson Controls Metasys java AC control environment )
11111	TCP		RiCci - Remote Configuration Interface (Redhat Linux)
11112	TCP	UDP	ACR/NEMA Digital Imaging and Communications in Medicine (DICOM)
11155	TCP	UDP	Tungle
11211	TCP	UDP	memcached
11214	TCP	UDP	memcached Incoming SSL Proxy
11215	TCP	UDP	memcached Internal Outgoing SSL Proxy
11235			Savage:Battle for Newerth Server Hosting
11294			Blood Quest Online Server
11371	TCP		OpenPGP HTTP key server
11576			IPStor Server management communication
11950	TCP		Murraycoin JSON-RPC server <sup>[149]</sup>
11951	TCP		Murraycoin <sup>[149]</sup>
12007	TCP		NetCrunch 7 port for connection between NetCrunch 7 Server and Administration Console. This port can be changed <sup>[142]</sup>
12008	TCP		NetCrunch default connection broker port <sup>[142]</sup>
12009	TCP		NetCrunch 8 port for connection between NetCrunch 8 Server and Administration Console. This port can be changed <sup>[142]</sup>
12010	TCP		ElevateDB default database port <sup>[150]</sup>
12011	TCP		Axence nVision <sup>[151]</sup>
12012	TCP		Axence nVision <sup>[151]</sup>
12012	TCP		Audition Online Dance Battle, Korea Server—Status/Version Check
12012		UDP	Audition Online Dance Battle, Korea Server—Status/Version Check
12013	TCP	UDP	Audition Online Dance Battle, Korea Server
12030	TCP		NetCrunch - port for connection between NetCrunch Server and NetCrunch Guard <sup>[142]</sup>
12031	TCP		Axence nVision <sup>[151]</sup>
12032	TCP		Axence nVision <sup>[151]</sup>
12035		UDP	Linden Lab ( <a href="http://wiki.secondlife.com/wiki/Authentication_Flow">http://wiki.secondlife.com/wiki/Authentication_Flow</a> ) viewer to sim on SecondLife
12201		UDP	GELF Protocol ( <a href="http://graylog2.org/gelf">http://graylog2.org/gelf</a> )
12222		UDP	Light Weight Access Point Protocol (LWAPP) LWAPP data (RFC 5412)
12223		UDP	Light Weight Access Point Protocol (LWAPP) LWAPP control (RFC 5412)
12345			NetBus—remote administration tool (often Trojan horse). Also used by NetBuster. Little Fighter 2 (TCP), Cubeworld ( <a href="http://www.cubeworldwiki.net/ind">http://www.cubeworldwiki.net/ind</a> (TCP and UDP), and (TCP) GVG (Grass Valley Group) SMS7000 and RCL video router control
12443	TCP		IBM HMC web browser management access over HTTPS instead of default port 443 <sup>[153]</sup>
12489	TCP		NSClient/NSClient++/NC_Net (Nagios)



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 32976 fail to connect
12998–12999		UDP	Takenaka RDI ( <a href="http://www.takenaka.co.jp/">http://www.takenaka.co.jp/</a> ) Mirror World on SecondLife
13001	TCP		ForeScout CounterACT
13000–13050		UDP	Linden Lab ( <a href="http://wiki.secondlife.com/wiki/Authentication_Flow">http://wiki.secondlife.com/wiki/Authentication_Flow</a> ) viewer to sim on SecondLife
13008	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter
13075	TCP		Default <sup>[154]</sup> for BMC Software Control-M/Enterprise Manager Corba communication, though often changed during installation
13195–13196	TCP	UDP	Ontolux Ontolux 2D
13337–13340	TCP	UDP	ÆtherNet peer-to-peer networking
13720	TCP	UDP	Symantec NetBackup—bprd (formerly VERITAS)
13721	TCP	UDP	Symantec NetBackup—bpdsm (formerly VERITAS)
13724	TCP	UDP	Symantec Network Utility—vnetd (formerly VERITAS)
13782	TCP	UDP	Symantec NetBackup—bpcd (formerly VERITAS)
13783	TCP	UDP	Symantec VOPIED protocol (formerly VERITAS)
13785	TCP	UDP	Symantec NetBackup Database—nbdb (formerly VERITAS)
13786	TCP	UDP	Symantec nomdb (formerly VERITAS)
14439	TCP		APRS UI-View Amateur Radio <sup>[155]</sup> UI-WebServer
14550		UDP	MAVLink
14567		UDP	Battlefield 1942 and mods
14900	TCP		K3 SYSPRO ( <a href="http://www.k3syspro.com/">http://www.k3syspro.com/</a> ) K3 Framework WCF Backbone
15000	TCP		psyBNC
15000	TCP		Wesnoth
15000	TCP		Kaspersky Network Agent
15000	TCP		hydap, Hypack Hydrographic Software Packages Data Acquisition
15000		UDP	hydap, Hypack Hydrographic Software Packages Data Acquisition
15556	TCP	UDP	Jeex.EU Artesia (direct client-to-db.service)
15567		UDP	Battlefield Vietnam and mods
15345	TCP	UDP	XPilot Contact
16000	TCP		Oracle WebCenter Content: Imaging (formerly known as Oracle Universal Content Management). Port though often changed during installation
16000	TCP		shroudBNC
16080	TCP		Mac OS X Server Web (HTTP) service with performance cache <sup>[156]</sup>
16200	TCP		Oracle WebCenter Content: Content Server (formerly known as Oracle Universal Content Management). Port though often changed during installation
16225	TCP		Oracle WebCenter Content: Content Server Web UI. Port though often changed during installation
16250	TCP		Oracle WebCenter Content: Inbound Refinery (formerly known as Oracle Universal Content Management). Port though often changed during installation
16261	TCP	UDP	Project Zomboid Multiplayer Server: Additional sequential ports used for each player connecting to server
16300	TCP		Oracle WebCenter Content: Records Management (formerly known as Oracle Universal Records Management). Port though often changed during install
16384	TCP	UDP	Hewlett Packard Connected Backup <sup>[157]</sup>
16384		UDP	CISCO Default RTP MIN
16400	TCP		Oracle WebCenter Content: Capture (formerly known as Oracle Document Capture). Port though often changed during installation
16482			CISCO Default RTP MAX
16567		UDP	Battlefield 2 and mods
17011	TCP		Worms multiplayer
17500	TCP	UDP	Dropbox LanSync Protocol (db-lsp); used to synchronize file catalogs between Dropbox clients on a local network.
18010	TCP		Super Dancer Online Extreme(SDO-X)—CiB Net Station Malaysia Server
18091	TCP	UDP	memcached Internal REST HTTPS for SSL
18092	TCP	UDP	memcached Internal CAPI HTTPS for SSL
18104	TCP		RAD PDF Service
18180	TCP		DART Reporting server
18200	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server—Status/Version Check
18201	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server
18206	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server—FAM Database
18300	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server—Status/Version Check
18301	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server
18306	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server—FAM Database
18333	TCP		Bitcoin testnet <sup>[130]</sup>

18400	TCP	UDP	Audition Online Dance Battle, KAIZEN Brazil Server—Status/Version Check
18401	TCP	UDP	Audition Online Dance Battle, KAIZEN Brazil Server
18505	TCP	UDP	Audition Online Dance Battle R4p3 Server, Nexon Server—Status/Version Check
18506	TCP	UDP	Audition Online Dance Battle, Nexon Server
18605	TCP	UDP	X-BEAT—Status/Version Check
18606	TCP	UDP	X-BEAT
19000	TCP	UDP	Audition Online Dance Battle, G10/alaplaya Server—Status/Version Check
19000		UDP	JACK sound server
19001	TCP	UDP	Audition Online Dance Battle, G10/alaplaya Server
19007	TCP	UDP	Veejansh Inc. ( <a href="http://www.veejansh.com/">http://www.veejansh.com/</a> ) Scintilla Device Service
19132		UDP	Standard Minecraft Pocket Edition Multiplayer Server Port
19150	TCP	UDP	Gkrellm Server
19226	TCP		Panda Software AdminSecure Communication Agent
19283	TCP	UDP	K2—KeyAuditor & KeyServer, Sassafras Software Inc. <sup>[158]</sup> Software Asset Management tools
19294	TCP		Google Talk Voice and Video connections <sup>[159]</sup>
19295		UDP	Google Talk Voice and Video connections <sup>[159]</sup>
19302		UDP	Google Talk Voice and Video connections <sup>[159]</sup>
19315	TCP	UDP	KeyShadow for K2—KeyAuditor & KeyServer, Sassafras Software Inc. <sup>[158]</sup> Software Asset Management tools
19540	TCP		Gamecoin RCP
19540	TCP		Gamecoin Testnet
19540	TCP		Gamecoin P2P
19540	TCP	UDP	Belkin Network USB Hub
19638	TCP		Ensim Control Panel
19812	TCP		4D database SQL Communication <sup>[160]</sup>
19813	TCP	UDP	4D database Client Server Communication <sup>[160]</sup>
19814	TCP		4D database DB4D Communication <sup>[160]</sup>
19999			DNP—Secure (Distributed Network Protocol—Secure), a secure version of the protocol used in SCADA systems between communicating RTU's and I
20000			DNP (Distributed Network Protocol), a protocol used in SCADA systems between communicating RTU's and IED's
20000			Usermin, Web-based user tool
20202	TCP		OnNet (Net2E)
20014	TCP		DART Reporting server
20560	TCP	UDP	Killing Floor
20595		UDP	0 A.D. Empires Ascendant
20702	TCP		Precise TPM ( <a href="http://www.precise.com/">http://www.precise.com/</a> ) Listener Agent
20720	TCP		Symantec i3 Web GUI server
20790	TCP		Precise TPM ( <a href="http://www.precise.com/">http://www.precise.com/</a> ) Web GUI server
21001	TCP		AMLFiler, AMLFiler Inc. ( <a href="http://sourceforge.net/projects/amlfiler/">http://sourceforge.net/projects/amlfiler/</a> ) amlf-admin default port
21011	TCP		AMLFiler, AMLFiler Inc. ( <a href="http://sourceforge.net/projects/amlfiler/">http://sourceforge.net/projects/amlfiler/</a> ) amlf-engine-01 default http port
21012	TCP		AMLFiler, AMLFiler Inc. ( <a href="http://sourceforge.net/projects/amlfiler/">http://sourceforge.net/projects/amlfiler/</a> ) amlf-engine-01 default https port
21021	TCP		AMLFiler, AMLFiler Inc. ( <a href="http://sourceforge.net/projects/amlfiler/">http://sourceforge.net/projects/amlfiler/</a> ) amlf-engine-02 default http port
21022	TCP		AMLFiler, AMLFiler Inc. ( <a href="http://sourceforge.net/projects/amlfiler/">http://sourceforge.net/projects/amlfiler/</a> ) amlf-engine-02 default https port
21025	TCP		Starbound Server (default), Starbound ( <a href="http://playstarbound.com/">http://playstarbound.com/</a> )
22136	TCP		FLIR Systems ( <a href="http://www.flir.com/">http://www.flir.com/</a> ) Camera Resource Protocol
22222	TCP		Davis Instruments, WeatherLink IP ( <a href="http://davisnet.com/weather/products/weather_product.asp?pnun=06555">http://davisnet.com/weather/products/weather_product.asp?pnun=06555</a> )
22347	TCP	UDP	WibuKey, WIBU-SYSTEMS AG ( <a href="http://wibu.com/wibukey.php">http://wibu.com/wibukey.php</a> ) Software protection system
22349	TCP		Wolfson Microelectronics WISCEBridge Debug Protocol <sup>[161]</sup>
22350	TCP	UDP	CodeMeter, WIBU-SYSTEMS AG ( <a href="http://wibu.com/codemeter.php">http://wibu.com/codemeter.php</a> ) Software protection system
23073			Soldat Dedicated Server
23284			TimeTracker by Openhour ( <a href="http://openhour.com">http://openhour.com</a> )
23399			Skype Default Protocol
23513			Duke Nukem 3D#Source code Duke Nukem Ports
24441	TCP	UDP	Pyzor spam detection network
24444			NetBeans integrated development environment
24465	TCP	UDP	Tonido Directory Server for Tonido ( <a href="http://www.tonido.com/">http://www.tonido.com/</a> ) which is a Personal Web App and P2P platform
24554	TCP	UDP	BINKP, Fidonet mail transfers over TCP/IP
24800			Synergy: keyboard/mouse sharing software

24842			StepMania: Online: <i>Dance Dance Revolution Simulator</i>
25000	TCP		Teamware Office standard client connection
25001	TCP		Default port for Unity3D networking
25003	TCP		Teamware Office client notifier
25005	TCP		Teamware Office message transfer
25007	TCP		Teamware Office MIME Connector
25008	TCP		Jayson's Water Fun Connector
25010	TCP		Teamware Office Agent server
25105	TCP		Default port for Insteon Hub
25560	TCP		codeheart.js Relay Server
25565	TCP		Standard Minecraft (Dedicated) Server
25565			MySQL database system
25570			Manic Digger default single player port
25826		UDP	collectd default port <sup>[162]</sup>
25828–25840	TCP	UDP	DarknessBlade Network.
25888		UDP	Xfire (Firewall Report, UDP_IN) IP Address (206.220.40.146) resolves to gameservertracking.xfire.com. Use unknown.
25999	TCP		Xfire
26000		UDP	id Software's <i>Quake</i> server
26000	TCP		id Software's <i>Quake</i> server
26000	TCP		CCP's EVE Online Online gaming MMORPG
26000		UDP	Xonotic, an open source arena shooter
26850	TCP		War of No Return Server Port
26900	TCP		CCP's EVE Online Online gaming MMORPG
26901	TCP		CCP's EVE Online Online gaming MMORPG
26950	TCP	UDP	GIMA Productions
27000–27030		UDP	Steam Client
27000		UDP	(through 27006) id Software's <i>QuakeWorld</i> master server
27000	TCP		PowerBuilder SySAM license server
27000–27009	TCP		FlexNet Publisher's License server (from the range of default ports)
27010			Source engine dedicated server port
27014–27050	TCP		Steam Downloads
27014			Source engine dedicated server port (rare)
27015			GoldSrc and Source engine dedicated server port, AppleMobileDeviceService <sup>[163]</sup>
27016			Magicka server port
27017			mongoDB server port
27036			Steam In-Home Streaming (Only LAN)
27374			Sub7 default.
27500–27900		UDP	id Software's <i>QuakeWorld</i>
27888		UDP	Kaillera server
27900–27901			Nintendo Wi-Fi Connection
27901–27910		UDP	id Software's <i>Quake II</i> master server
27950		UDP	OpenArena outgoing
27960–27969		UDP	Activision's <i>Enemy Territory</i> and id Software's <i>Quake III Arena</i> , <i>Quake III</i> and <i>Quake Live</i> and some ioquake3 derived games, such as <i>Urban Terror</i>
28000			Bitfighter Common/default Bitfighter Server
28001			Starsiege: Tribes Common/default Tribes v.1 Server
28395	TCP		www.SmartSystemsLLC.com Used by Smart Sale 5.0
28785		UDP	Cube 2 Sauerbraten <sup>[164]</sup>
28786		UDP	Cube 2 Sauerbraten Port 2 <sup>[164]</sup>
28801–28802		UDP	Red Eclipse (Cube 2 derivative) default ports <sup>[165]</sup>
28852	TCP	UDP	Killing Floor
28910			Nintendo Wi-Fi Connection <sup>[166]</sup>

28960		UDP	<i>Call of Duty; Call of Duty: United Offensive; Call of Duty 2; Call of Duty 4: Modern Warfare; Call of Duty: World at War</i> (PC Version)
29000			Perfect World International Used by the Perfect World International Client
29070	TCP	UDP	Game titled "Jedi Knight: Jedi Academy" by Ravensoft
29292	TCP		TMO Integration Service Communications Port, Used by Transaction Manager SaaS (HighJump Software)
29900–29901			Nintendo Wi-Fi Connection <sup>[166]</sup>
29920			Nintendo Wi-Fi Connection <sup>[166]</sup>
30000			Pokémon Netbattle
30000			MineTest Dedicated Server
30301			BitTorrent
30564	TCP		Multiplicity: keyboard/mouse/clipboard sharing software
30718		UDP	Lantronix Discovery for Lantronix serial-to-ethernet devices
30777	TCP		ZangZing agent
31314	TCP		electric imp node<>server communication (TLS)
31337	TCP		Back Orifice—remote administration tool (often Trojan horse)
31415			ThoughtSignal—Server Communication Service (often Informational)
31416			BOINC RPC <sup>[167]</sup>
31438			Rocket Software U2 uvcs—Server Communication Service
31456	TCP		TetriNET IRC gateway on some servers
31457	TCP		TetriNET
31458	TCP		TetriNET Used for game spectators
31620	TCP	UDP	LM-MON (Standard Floating License Manager LM-MON)
31820-31829		UDP	SyFlo SyFlo license manager
32000		UDP	FlightGear multiplayer, experimental 2nd port (working code mod submitted to main fgms developer 2015-III-04 for evaluation) <sup>[76]</sup>
32123	TCP		x3Lobby Used by x3Lobby, an internet application.
32137	TCP	UDP	Immunet Protect (UDP in version 2.0, <sup>[168]</sup> TCP since version 3.0 <sup>[169]</sup> )
32245	TCP		MMTSG—mutualed over MMT (encrypted transmission)
32400	TCP	UDP	Used for Plex Media Server connections and media streams
32769	TCP		FileNet RPC
32887	TCP		Used by "Ace of Spades" game
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 32976 fail to connect
33330		UDP	FMAudit
33333		UDP	TNTchat default server port
33434-33534	TCP	UDP	traceroute
33848		UDP	Jenkins Remote access API ( <a href="https://wiki.jenkins-ci.org/display/JENKINS/Remote+access+API">https://wiki.jenkins-ci.org/display/JENKINS/Remote+access+API</a> ) and Auto-Discovery ( <a href="https://wiki.jenkins-ci.org/display/JENKINS/Discovering+Jenkins+on+the+network">https://wiki.jenkins-ci.org/display/JENKINS/Discovering+Jenkins+on+the+network</a> )
33982	TCP	UDP	Dezta software
34000			MasterPort—WarZ
34001			ClientPort—WarZ
34010			PortStart—WarZ
34271			Remuco ( <a href="https://code.google.com/p/remuco/">https://code.google.com/p/remuco/</a> ) remote control for media players <sup>[170]</sup>
34443			Linksys PSUS4 print server <sup>[171]</sup>
34567	TCP		EDI service <sup>[172]</sup>
35357	TCP		OpenStack ID Service
36330	TCP		Folding@home v7 default for client control interface
36700	TCP		MapX communication port
36963		UDP	Unreal Software multiplayer games, such as Counter Strike 2D (2D clone of Counter Strike)
37601	TCP		Epipole File Transfer Protocol <sup>[173]</sup>
37659	TCP		Axence nVision
37777	TCP		Digital Video Recorder hardware
40000	TCP	UDP	SafetyNET p Real-time Industrial Ethernet protocol
40123		UDP	Flatcast <sup>[174]</sup>
41794	TCP	UDP	Crestron Control Port
41795	TCP	UDP	Crestron Control Port
41823	TCP	UDP	Murealm Client
43034	TCP	UDP	LarmX.com™ database update mtr port

43047	TCP		TheòsMessenger second port for service TheòsMessenger
43048	TCP		TheòsMessenger third port for service TheòsMessenger
43594	TCP		RuneScape, FunOrb, Runescape Private Servers game servers
43595	TCP		RuneScape JAGGRAB servers
44405	TCP		Mu Online Connect Server
44444	TCP		LightClaw.TeamServer Asset synchronization
45824	TCP		Server for the DAI family of client-server products
47001	TCP		WinRM—Windows Remote Management Service <sup>[175]</sup>
47808		UDP	BACnet Building Automation and Control Networks (47808 <sub>10</sub> = BAC0 <sub>16</sub> ), commonly spills to 47809–47816
48653	TCP	UDP	Robot Raconteur transport <sup>[176]</sup>
49151	TCP	UDP	Reserved <sup>[1]</sup>

## Dynamic, private or ephemeral ports

The range 49152–65535 ( $2^{15}+2^{14}$  to  $2^{16}-1$ ) contains dynamic or private ports that cannot be registered with IANA.<sup>[177]</sup> This range is used for private, or customized services or temporary purposes and for automatic allocation of ephemeral ports.

## See also

- Internet Protocol Suite

## References

- "Service Name and Transport Protocol Port Number Registry" (<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.txt>). The Internet Assigned Numbers Authority (IANA).
- Michelle Cotton; Lars Eggert et al. (August 2011). *Internet Assigned Numbers Authority (IANA) Procedures for the Management of the Service Name and Transport Protocol Port Number Registry* (<https://tools.ietf.org/html/rfc6335>). IETF. BCP 165. RFC 6335. <https://tools.ietf.org/html/rfc6335>. Retrieved 2014-04-01.
- "compressnet/tcp" (<http://www.unix.com/showthread.php?t=135087>). Unix.com. Retrieved 2014-05-27.
- "Linux/net/ipv4/inet\_connection\_sock.c" ([http://lxr.free-electrons.com/source/net/ipv4/inet\\_connection\\_sock.c?v=3.18#L89](http://lxr.free-electrons.com/source/net/ipv4/inet_connection_sock.c?v=3.18#L89)). LXR. Retrieved 2015-01-17.
- "CompressNET/tcp" (<http://www.con.wesleyan.edu/~triemer/network/compressnet/compressnet.html>). wesleyan.edu. Archived (<http://web.archive.org/web/19970609031515/http://www.con.wesleyan.edu/~triemer/network/compressnet/compressnet.html>) from the original on 1997-06-09. Retrieved 2014-06-23.
- "CompressNET Management Utility standard port" (<http://www.whatport.com/port/2.html>). Whatport.com. Retrieved 2014-05-27.
- "CompressNET Compression Process standard port" (<http://www.whatport.com/port/3.html>). Whatport.com. Retrieved 2014-05-27.
- "systat and netstat" (<http://etutorials.org/Networking/network+security+assessment/Chapter+5.+Assessing+Remote+Information+Services/5.2+systat+and+netstat/>). eTutorials.
- Postel, J. (May 1983). *Active Users* (<https://tools.ietf.org/html/rfc866>). IETF. RFC 866. <https://tools.ietf.org/html/rfc866>.
- "RFC 887, Resource Location Protocol" (<http://tools.ietf.org/html/rfc887>). ietf.org. Retrieved 2014-05-27.
- (<ftp://ftp.rfc-editor.org/in-notes/ien/ien99.txt>) IEN 99, NI FTP: Summary and Assessment
- RFC 1476, RAP: Internet Route Access Protocol
- "Does HTTP use UDP" (<http://stackoverflow.com/questions/323351/does-http-use-udp>). Stack Overflow. Retrieved 2013-10-08.
- "RFC 983, ISO Transport Services on Top of the TCP" (<http://tools.ietf.org/rfc/rfc983.txt>). IETF. Retrieved 2014-05-27.
- "The Remote User Telnet Service" (<http://tools.ietf.org/rfc/rfc818.txt>). IETF. Retrieved 2014-05-27.
- "RFC 1413, Identification Protocol" (<http://www.ietf.org/rfc/rfc1413.txt>). IETF. Retrieved 2014-05-27.
- "COM Fundamentals - Guide - COM Clients and Servers - Inter-Object Communications - Microsoft RPC" ([http://msdn2.microsoft.com/en-us/library/ms691207\(VS.85\).aspx](http://msdn2.microsoft.com/en-us/library/ms691207(VS.85).aspx)). microsoft.com. Retrieved 2014-05-27.
- "RFC 1068, Background File Transfer Program (BFTP)" (<http://tools.ietf.org/rfc/rfc1068.txt>). IETF. Retrieved 2014-05-27.
- RFC 1056, PCMAIL: A Distributed Mail System for Personal Computers
- Worldwide. "Cisco Document ID: 7244, Understanding Simple Network Management Protocol (SNMP) Traps" ([http://www.cisco.com/en/US/tech/tk648/tk362/technologies\\_tech\\_note09186a0080094aa5.shtml](http://www.cisco.com/en/US/tech/tk648/tk362/technologies_tech_note09186a0080094aa5.shtml)). Cisco. Retrieved 2014-05-27.
- "Virus Alerts -- SecureCastFAQ" ([https://web.archive.org/web/20000303111811/http://www.nai.com/asp\\_set/anti\\_virus/alerts/faq.asp](https://web.archive.org/web/20000303111811/http://www.nai.com/asp_set/anti_virus/alerts/faq.asp)). *nai.com*. Santa Clara, CA, USA: Network Associates, Inc., now McAfee. 2000. Archived from the original ([http://www.nai.com/asp\\_set/anti\\_virus/alerts/faq.asp](http://www.nai.com/asp_set/anti_virus/alerts/faq.asp)) on 2000-03-03. Retrieved 2013-10-26.
- "RFC 1504 - Appletalk Update-Based Routing Protocol: Enhanced App" (<http://www.faqs.org/rfcs/rfc1504.html>). *faqs.org*. Retrieved 16 March 2015.
- "RFC 1340, Assigned Numbers" (<http://www.ietf.org/rfc/rfc1340.txt>). IETF. Retrieved 2014-05-27.
- "RFC 4409, "Message Submission for Mail"" (<http://www.ietf.org/rfc/rfc4409.txt>). IETF. Retrieved 2014-05-27.
- "RFC 3620, The TUNNEL Profile" (<http://www.ietf.org/rfc/rfc3620.txt>). IETF. Retrieved 2014-05-27.
- INTERNET DRAFT, DHCP Failover Protocol (<http://www.ietf.org/proceedings/04mar/1-D/draft-ietf-dhc-failover-12.txt>) (expired: September 2003)
- "RFC 3632, VeriSign Registry Registrar Protocol (RRP) Version 2.0.0" (<http://tools.ietf.org/rfc/rfc3632.txt>). IETF. Retrieved 2014-05-27.
- "IEEE Standard (1244.3-2000) for Media Management System (MMS) Media Management Protocol (MMP)" ([http://standards.ieee.org/reading/ieee/std\\_public/new\\_desc/storage/1244.3-2000.html](http://standards.ieee.org/reading/ieee/std_public/new_desc/storage/1244.3-2000.html)). IEEE. 2001-04-26. Retrieved 2014-05-27.
- "Integrated Virtualization Manager on IBM System p5" (<http://www.redbooks.ibm.com/redpapers/pdfs/redp4061.pdf>) (PDF). IBM. Retrieved 2014-05-27.
- "IEEE Standard (1244.2-2000) for Media Management Systems (MMS) Session Security, Authentication, Initialization Protocol (SSAIP)" ([http://standards.ieee.org/reading/ieee/std\\_public/new\\_desc/storage/1244.2-2000.html](http://standards.ieee.org/reading/ieee/std_public/new_desc/storage/1244.2-2000.html)). IEEE. 2000-12-07. Retrieved 2014-05-27.
- "RFC 4204, Link Management Protocol" (<http://www.ietf.org/rfc/rfc4204.txt>). IETF. Retrieved 2014-05-27.
- "RFC 3981, IRIS: The Internet Registry Information Service (IRIS) Core Protocol" (<http://tools.ietf.org/rfc/rfc3981.txt>). IETF. Retrieved 2014-05-27.
- Internet Registry Information Service (IRIS) ([http://www.verisign.com/research/Internet\\_Registry\\_Information\\_Service/index.html](http://www.verisign.com/research/Internet_Registry_Information_Service/index.html))
- "Internet-Draft, Using the Internet Registry Information Service (IRIS) over the Blocks Extensible Exchange Protocol (BEEP)" (<http://www.ietf.org/proceedings/02nov/1-D/draft-ietf-crisp-iris-beep-00.txt>). IETF. Retrieved 2014-05-27.
- "Tag Distribution Protocol Internet-Draft" (<http://tools.ietf.org/html/draft-doolan-tdp-spec-00>). IETF. 1997-05-27. Retrieved 2014-05-27.
- "United States Patent 7286529, Discovery and tag space identifiers in a tag distribution protocol (TDP)" (<http://www.patentstorm.us/patents/7286529-claims.html>). Patentstorm.us. Retrieved 2014-05-27.
- Cisco IOS Software Release 11.1CT New Features ([http://www.cisco.com/en/US/products/sw/iosswrel/ps1820/prod\\_bulletin09186a0080091d01.html](http://www.cisco.com/en/US/products/sw/iosswrel/ps1820/prod_bulletin09186a0080091d01.html))
- Cisco IOS Software Releases 12.0 S, MPLS Label Distribution Protocol (LDP) ([http://www.ciscosystems.ch/en/US/docs/ios/12\\_0s/feature/guide/lsldp22.html#wp1517250](http://www.ciscosystems.ch/en/US/docs/ios/12_0s/feature/guide/lsldp22.html#wp1517250))
- "World Intellectual Property Organization (WIPO) WO/2004/056056, Arrangement in a Router of a Mobile Network for Optimizing Use of Messages Carrying Reverse Routing Headers" (<http://www.wipo.int/pctdb/en/wo.jsp?wo=2004056056>). WIPO. 2002-12-13. Retrieved 2014-05-27.
- "Certificate Management Protocol (CMP)" (<http://wiki.wireshark.org/CMP>). Retrieved 2012-03-18.
- "Setting up a socket policy file server" ([http://www.adobe.com/devnet/flashplayer/articles/socket\\_policy\\_files.html](http://www.adobe.com/devnet/flashplayer/articles/socket_policy_files.html)). Adobe.com. 2008-04-14. Retrieved 2014-05-27.
- Port 903: "Required ports for configuring an external firewall to allow ESX and VirtualCenter traffic" (<http://kb.vmware.com/kb/1005189>), 2009-07-07. Retrieved 2009-08-04.

43. RFC 4101
44. RFC 6751
45. "Firewall, Proxy, Router and Port Configuration for Blizzard Games" (<https://web.archive.org/web/20120808071221/http://us.battle.net/support/en/article/firewall-configuration-for-blizzard-games#4>). Blizzard Entertainment. 2012-12-07. Archived from the original (<https://us.battle.net/support/en/article/firewall-configuration-for-blizzard-games#4>) on 2012-08-08. Retrieved 2013-04-02.
46. "Brief descriptions of registered TCP and UDP ports" (<http://andrew.triumf.ca/ports2/>). Andrew.triumf.ca. Retrieved 2014-05-27.
47. Muir, Jeff. "Two Port ICA" (<https://web.archive.org/web/20120615184554/http://citrixbloggger.org/2008/03/14/two-port-ica>). p. 1. Archived from the original (<http://citrixbloggger.org/2008/03/14/two-port-ica/>) on 14 March 2008. Retrieved 2008-03-14.
48. "Discovery / Autoconf" ([http://git.eclipse.org/c/tcf/org.eclipse.tcf.git/plain/docs/TCF\\_UDP\\_Discovery.html?id=3fa0b5f160717ba5a38cf6f80295d5b32cfaf23c](http://git.eclipse.org/c/tcf/org.eclipse.tcf.git/plain/docs/TCF_UDP_Discovery.html?id=3fa0b5f160717ba5a38cf6f80295d5b32cfaf23c)). Git.eclipse.org. Retrieved 2013-10-08.
49. "RADIUS Overview" ([http://www.juniper.net/techpubs/software/aaa\\_802/sbr/sbr70/sw-sbr-admin/html/Concepts2.html](http://www.juniper.net/techpubs/software/aaa_802/sbr/sbr70/sw-sbr-admin/html/Concepts2.html)). *juniper.net*. Retrieved 16 March 2015.
50. "RFC 6613 - RADIUS over TCP" (<https://tools.ietf.org/html/rfc6613#section-2.2>). *ietf.org*. Retrieved 16 March 2015.
51. "Provoz game serveru" (<http://www.tuxanci.org/server/howto>). *tuxanci.org*. 27 October 2008. Retrieved 16 March 2015.
52. [[http://download.eset.com/manuals/eset\\_era\\_5.2\\_userguide\\_enu.pdf](http://download.eset.com/manuals/eset_era_5.2_userguide_enu.pdf)] "Installation manual and user guide Remote administrator 5" (PDF). ESET, spol. s r.o. Retrieved 29 January 2015.
53. "Philips - Contact en Ondersteuning" (<http://www.supportforum.philips.com/en/showthread.php?869-jointSPACE-IP-Ports>). Supportforum.philips.com. Retrieved 2013-10-08.
54. <http://dcx.sybase.com/index.html#sa160/en/dbadmin/serverport-network-conparm.html>
55. "Service Name and Transport Protocol Port Number Registry" (<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=2638>). Iana.org. Retrieved 2013-10-26.
56. "Getting Started with Rails" ([http://guides.rubyonrails.org/getting\\_started.html#starting-up-the-web-server](http://guides.rubyonrails.org/getting_started.html#starting-up-the-web-server)). rubyonrails.org. 2012-03-21. Retrieved 2014-05-27.
57. "Documentation - Meteor" (<http://docs.meteor.com/#quickstart>). *meteor.com*. Retrieved 16 March 2015.
58. "devpi 0.9.2 documentation - Quickstart devpi-server" (<http://doc.devpi.net/0.9.2/quickstart-server.html>). devpi.net. Retrieved 2014-05-27.
59. "Eggdrop.conf" (<http://eggwiki.org/Eggdrop.conf#Botnet.2FDFCC.2FTelnet>). *Eggdrop Wiki*. Retrieved 2014-02-20.
60. "CruiseControl.rb - Getting Started" ([http://cruisecontrolrb.thoughtworks.com/documentation/getting\\_started](http://cruisecontrolrb.thoughtworks.com/documentation/getting_started)). thoughtworks.com. Retrieved 2014-05-27.
61. "How to change the listening port for Remote Desktop" (<http://support.microsoft.com/kb/306759>). Microsoft. 2011-05-04. Retrieved 2014-05-27.
62. "RFC 5389: Session Traversal Utilities for NAT (STUN)" (<http://tools.ietf.org/html/rfc5389>). IETF. Retrieved 2014-05-27.
63. "RFC 5766 - Traversal Using Relays around NAT (TURN): Relay Extensions to Session Traversal Utilities for NAT (STUN)" (<http://tools.ietf.org/html/rfc5766>). *ietf.org*. Retrieved 16 March 2015.
64. 3 min expected wait time (2013-09-18). "Using Microsoft Outlook Express with Your Email | Go Daddy Help | Go Daddy Support" (<http://help.godaddy.com/article/355>). Help.godaddy.com. Retrieved 2013-10-08.
65. "IBM U2 product family" (<http://www-306.ibm.com/software/data/u2/>). IBM. 2009-10-01. Retrieved 2014-05-27.
66. "TinTin++ Mud Client Manual - Chat Protocol" (<http://tintin.sourceforge.net/manual/chat.php>).
67. "IETF Draft of the Minger Email Address Verification Protocol" ([http://tools.ietf.org/html/draft-hath\\*\\*\\*\\*-minger-06#section-2](http://tools.ietf.org/html/draft-hath****-minger-06#section-2)). IETF. Retrieved 2014-05-27.
68. "Service Name and Transport Protocol Port Number Registry" (<http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=4190>). Iana.org. Retrieved 2013-10-08.
69. "First steps with Docker" (<http://docs.docker.io/en/latest/use/basics/>).
70. "Explain how to be able to connect to the Docker API when using Vagrant?" (<https://github.com/dotcloud/docker/issues/2280>).
71. "Add unix socket and multiple -H" (<https://github.com/dotcloud/docker/pull/938>).
72. "RFC 2167, Referral Whois (RWhois) Protocol" (<http://tools.ietf.org/html/rfc2167>). IETF. Retrieved 2014-05-27.
73. "Wesk Technical Specs" (<http://www.weskapp.com/developers/technical-specifications>). Weskapp.com. Retrieved 2014-05-27.
74. "eMule Ports" ([http://www.emule-project.net/home/perl/help.cgi?l=1&topic\\_id=122&rm=show\\_topic](http://www.emule-project.net/home/perl/help.cgi?l=1&topic_id=122&rm=show_topic)). Emule-project.net. 2007-05-16. Retrieved 2014-05-27.
75. "Port Details - Port 4728" (<http://isc.sans.edu/port.html?port=4728>). SANS.
76. "FlightGear Howto: Multiplayer" ([http://wiki.flightgear.org/Howto:\\_Multiplayer](http://wiki.flightgear.org/Howto:_Multiplayer)). flightgear.org. Retrieved 2014-05-27.
77. ARX Passersystem, Användarmanual (<http://www.assa.se/Other/ASSA/Products/Broschyrer%20Svenska/Passersystem/ARX-Passersystem.pdf>)
78. "How can I troubleshoot my DroboShare?" ([http://support.drobo.com/app/answers/detail/a\\_id/405/~how-can-i-troubleshoot-my-droboshare%3F](http://support.drobo.com/app/answers/detail/a_id/405/~how-can-i-troubleshoot-my-droboshare%3F)). Support.drobo.com. Retrieved 2013-10-08.
79. Hill, Graham; Spiro, Jason, eds. (3 April 2012). "Nmap indicates that "telepathstart" and "telepathattack" are listening on ports 5010 and 5011 of my Linux box. What are these?" (<http://security.stackexchange.com/a/13425/11180>). *IT Security Stack Exchange*. Stack Exchange, Inc. Answer by Graham Hill. Retrieved 2012-07-13.
80. "Multiplayer - SRB2 Wiki" (SRB2 Wiki. N.p., 13 Mar. 2006. Web. 23 July 2012. <<http://wiki.srb2.org/wiki/Multiplayer>>).
81. "Symantec Intruder Alert product support" (<http://www.symantec.com/business/support/overview.jsp?pid=51971>). Symantec. Retrieved 2014-05-27.
82. "Service Name and Transport Protocol Port Number Registry" (<http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=5064>). Iana.org. Retrieved 2013-12-10.
83. "Service Name and Transport Protocol Port Number Registry" (<http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=5065>). Iana.org. Retrieved 2013-12-10.
84. "Binary Floor Control Protocol" (<http://ietfreport.isoc.org/rfc/rfc4582.txt>). Internet Society IETF. November 2006.
85. "IBM Tivoli Netcool/Impact" (<http://www-306.ibm.com/software/ivoli/products/netcool-impact/>). IBM. Retrieved 2014-05-27.
86. "RFC 2107, Ascend Tunnel Management Protocol" (<http://tools.ietf.org/html/rfc2107>). IETF. Retrieved 2014-05-27.
87. "RFC 3920, Extensible Messaging and Presence Protocol (XMPP): Core" (<http://tools.ietf.org/html/rfc3920>). Tools.ietf.org. Retrieved 2014-05-27.
88. "RFC 6120, Extensible Messaging and Presence Protocol (XMPP): Core" (<http://tools.ietf.org/html/rfc6120>). IETF. 2003-12-13. Retrieved 2014-05-27.
89. "RFC 5415, Control And Provisioning of Wireless Access Points (CAPWAP) Protocol Specification" (<http://tools.ietf.org/html/rfc5415>). IETF. 2008-11-10. Retrieved 2014-05-27.
90. "XEP-0124: Bidirectional-streams Over Synchronous HTTP (BOSH) with SSL" (<http://xmpp.org/extensions/xep-0124.html>). Xmpp.org. Retrieved 2014-05-27.
91. "XEP-0174: Serverless Messaging" (<http://xmpp.org/extensions/xep-0174.html>). Xmpp.org. Retrieved 2014-05-27.
92. "Kega Fusion Mini-Manual" (<http://www.arcadezone.org/emulation/genesis/Readme.txt>). *arcadezone.org*. Niobium's Arcade Zone. 2010-01-16. Retrieved 2013-10-26.
93. "Kega Fusion Mini-Manual" ([http://gamingpwnage.webs.com/PC/archive/fusion\\_manual.txt](http://gamingpwnage.webs.com/PC/archive/fusion_manual.txt)). *gamingpwnage.webs.com*. GamingPwnage. Retrieved 2013-10-26.
94. "Stratacache" (<http://www.stratacache.com/>). Stratacache. Retrieved 2013-10-08.
95. "Use IT Group - Bouwsoft - Groensoft" (<http://www.bouwsoft.be>). Bouwsoft.be. Retrieved 2013-10-08.
96. "Port Numbers" ([http://docs.oracle.com/cd/E14571\\_01/core.1111/e10105/portnums.htm](http://docs.oracle.com/cd/E14571_01/core.1111/e10105/portnums.htm)). Docs.oracle.com. Retrieved 2013-10-26.
97. pcAnywhere IP port usage (<http://service1.symantec.com/SUPPORT/pca.nsf/pfdocs/1998122810210812>)
98. How to change the IP ports that pcAnywhere uses (<http://service1.symantec.com/SUPPORT/pca.nsf/pfdocs/2001021417112312>)
99. "AMQP URI Specification" (<http://www.rabbitmq.com/uri-spec.html>). *www.rabbitmq.com*. GoPivotal, Inc. 2013.
100. "Technet: Using a Firewall with Operations Manager 2007" (<http://technet.microsoft.com/en-us/library/cc540431.aspx>). Microsoft.
101. "VNC Frequently Asked Questions (FAQ): Q53 Which TCP/IP ports does VNC use?" ([https://web.archive.org/web/20120405142928/http://www.hep.phy.cam.ac.uk/vnc\\_docs/faq.html#q53](https://web.archive.org/web/20120405142928/http://www.hep.phy.cam.ac.uk/vnc_docs/faq.html#q53)). AT&T Laboratories Cambridge. 1999. Archived from the original ([http://www.hep.phy.cam.ac.uk/vnc\\_docs/faq.html#q53](http://www.hep.phy.cam.ac.uk/vnc_docs/faq.html#q53)) on 2012-04-05.
102. "TeamViewer 8 Manual Remote Control" (<http://www.teamviewer.com/en/res/pdf/TeamViewer8-Manual-RemoteControl-en.pdf>) (PDF). *www.teamviewer.com*. TeamViewer GmbH. 2012. p. 68. Retrieved 2013-08-30.
103. "Enter-PSSession" (<http://technet.microsoft.com/en-us/library/hh849707.aspx>). *www.technet.com*. Microsoft TechNet. 2013. Retrieved 2013-10-31.
104. "vSphere Documentation Center" ([https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc\\_50%2FGUID-ECEA77F5-D38E-4339-9B06-FF9B78E94B68.html](https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc_50%2FGUID-ECEA77F5-D38E-4339-9B06-FF9B78E94B68.html)). *vmware.com*. Retrieved 16 March 2015.
105. "CVSup.org" (<http://www.cvsup.org/faq.html#fwtk>). *cvsup.org*. Retrieved 16 March 2015.
106. "RFC 5424" (<http://tools.ietf.org/html/rfc5425>). IETF. 2008-11-10. Retrieved 2014-05-27.
107. prd Technologies Ltd Billing & Rating Solutions (<http://www.p-rd.com/downloads/PRD%20-%20history%20and%20introduction.pdf>)
108. David Mosberger (20 Apr 2009). "SANE Unix man page" ([http://www.sane-project.org](http://www.sane-project.org/man/saned.8.html)). *http://www.sane-project.org*.
109. "Datalogger Support Software" (<http://www.campbellsci.com/datalogger-software>). Campbellsci.com. Retrieved 2014-05-27.
110. Worldwide. "Application-Oriented Networking - Cisco Systems" ([http://www.cisco.com/en/US/products/ps6692/Products\\_Sub\\_Category\\_Home.html](http://www.cisco.com/en/US/products/ps6692/Products_Sub_Category_Home.html)). Cisco.com. Retrieved 2014-05-27.
111. "Database Mirroring Endpoint" ([http://technet.microsoft.com/en-us/library/ms179511\(v=sql.105\).aspx](http://technet.microsoft.com/en-us/library/ms179511(v=sql.105).aspx)). *SQL Server 2008 R2*. Microsoft. Retrieved 2014-05-27.
112. "WebClientAuthenticatedSessionIDs - FAHClient" (<https://fah.stanford.edu/projects/FAHClient/wiki/WebClientAuthenticatedSessionIDs>). stanford.edu. Retrieved 2014-05-27.
113. "The Nerd4 Manual Chapter 27 Web Interface" (<http://docs.nerd4.org/chunked/stable/tools-webadmin.html>). Retrieved 2014-06-12

114. "Smartlaunch 4.1 Cyber Cafe Management Software Product Overview" ([http://www.smartlaunch.net/Download/Smartlaunch\\_Product\\_Overview.pdf](http://www.smartlaunch.net/Download/Smartlaunch_Product_Overview.pdf)) (PDF). Retrieved 2014-05-27.
115. "How to create a YSF Server, step by step guide" (<http://forum.ysfhq.com/viewtopic.php?f=144&t=1529>). *forum.ysfhq.com*. YSFight Headquarters. 2011-08-06. Retrieved 2013-10-26.
116. "Flex 3 – Adobe Flex 3 Help" ([http://livedocs.adobe.com/flex/3/html/help.html?content=debugging\\_02.html](http://livedocs.adobe.com/flex/3/html/help.html?content=debugging_02.html)). adobe.com. Retrieved 2014-05-27.
117. Intel DMI (Desktop Management Interface) (<http://www.intel.com/support/tokenexpress/pro/sb/cs-016261.htm>)
118. "Freemake Video Downloader" ([http://www.freemake.com/free\\_video\\_downloader/](http://www.freemake.com/free_video_downloader/)). Freemake.com. Retrieved 2014-05-27.
119. "Amazon DynamoDB Developer Guide" (<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/Tools.DynamoDBLocal.html>). Amazon Web Services. Retrieved 2015-07-26.
120. "Dell AppAssure 5 Firewall Port Requirements" (<http://www.appassure.com/support/KB/appassure-5-firewall-port-requirements/>). Appassure.com. 2014-02-22. Retrieved 2014-05-27.
121. "SuperContainer - 360Works Product Support Wiki" (<http://docs.360works.com/index.php/SuperContainer>). *docs.360works.com*. Alpharetta, GA, USA: 360Works, LLC. 2013-10-24. Retrieved 2013-10-26.
122. "Confluence - Team Collaboration Software - Atlassian" (<https://www.atlassian.com/software/confluence>). *Atlassian*. Retrieved 16 March 2015.
123. "Coral Content Distribution Network Wiki - Main - FAQ" (<http://wiki.coralcdn.org/faq.html#highport>). coralcdn.org. Retrieved 2014-05-27.
124. "Remote Administration for IIS Manager" (<http://www.iis.net/learn/manage/remote-administration/remote-administration-for-iis-manager#02>). *iis.net*. Retrieved 16 March 2015.
125. "Powered by Google Docs" (<http://docs.google.com/viewer?>  
a=v&q=cache:glLcFwIecQJ:www.crcnbase.com/doi/abs/10.1201/9781420070286.ax2+VMware+Management+Interface+port+TCP+UDP&hl=en&gl=us&pid=bl&srcid=ADGEE5i8urPkgH3Jsf0pC4h3fWj878md2a3lMhwRt6l5gkvmVcGiXxz00TJuo4wOkqPDGXVLHqUU03LKBpQ-3eVH5iv5DalXn5Nru1klAVy\_YVtuCY8Ab-cnEDcTb5PUqA0lZa36As&sig=AHIEtb5cYJ\_gM-JL0DEimzkbNLh14TTq-g). google.com. Retrieved 2014-05-27.
126. "Temporary Maintenance" (<http://www.vmware.com/community/message.jspa?messageID=425783>). *vmware.com*. 4 August 2014. Retrieved 16 March 2015.
127. "Apache Synapse" (<http://synapse.apache.org>). apache.org. 2012-01-06. Retrieved 2014-05-27.
128. "MikroTik Wiki 'IP/Services' page" (<http://wiki.mikrotik.com/wiki/Manual:IP/Services>). MikroTik. 2014-01-02. Retrieved 2014-06-23.
129. Bitcoin Forum: Command Line and JSON-RPC (<http://www.bitcoin.org/smf/index.php?topic=63.msg452#msg452>)
130. "FAQ - Bitcoin" ([https://en.bitcoin.it/wiki/FAQ#Do\\_I\\_need\\_to\\_configure\\_my\\_firewall\\_to\\_run\\_Bitcoin.3F](https://en.bitcoin.it/wiki/FAQ#Do_I_need_to_configure_my_firewall_to_run_Bitcoin.3F)). en.bitcoin.it. 2014-12-12. Retrieved 2015-01-01.
131. "Enabling the inbound firewall rule for a master VDFS service - VisualSVN Help Center" (<http://www.visualsvn.com/support/topic/00073/>). *visualsvn.com*. Retrieved 16 March 2015.
132. "Resources & Support" (<http://www.wavestore.com/knowledge-base>). Wavestore.com. Retrieved 2013-10-08.
133. "Apache Solr Tutorial" ([http://lucene.apache.org/solr/4\\_1\\_0/tutorial.html](http://lucene.apache.org/solr/4_1_0/tutorial.html)). apache.org. 2012-06-06. Retrieved 2014-05-27.
134. Olivier Gaudin. "SonarQube Installation Instructions" (<http://docs.codehaus.org/display/SONAR/Installing#Installing-StartingtheWebServer>). codehaus.org. Retrieved 2014-05-27.
135. "Play2 Documentation" (<http://www.playframework.com/documentation/2.2.0/Production>). Playframework.com. Retrieved 2014-05-27.
136. "How to use qBittorrent as a tracker" (<https://github.com/qbittorrent/qBittorrent/wiki/How-to-use-qBittorrent-as-a-tracker>). Retrieved 27 June 2015.
137. ETL Electronics (<http://etelectronique.com/defaulten.aspx>)
138. "RESTful API with JSON over HTTP" ([http://www.elastic.co/guide/en/elasticsearch/guide/current/\\_talking\\_to\\_elasticsearch.html#\\_restful\\_api\\_with\\_json\\_over\\_http](http://www.elastic.co/guide/en/elasticsearch/guide/current/_talking_to_elasticsearch.html#_restful_api_with_json_over_http)). Elasticsearch. Retrieved 2015-04-04.
139. "PS3™ | Using remote play (via the Internet)" (<http://manuals.playstation.net/document/en/ps3/current/remoteplay/remoteyinternet.html>). Manuals.playstation.net. 2013-09-13. Retrieved 2013-10-08.
140. "Transferring data using Wi-Fi | PlayStation®Vita User's Guide" ([http://manuals.playstation.net/document/en/psvita/cm/wifi\\_pc.html](http://manuals.playstation.net/document/en/psvita/cm/wifi_pc.html)). Manuals.playstation.net. Retrieved 2013-10-08.
141. "Tripwire Enterprise 8" ([http://nvd.nist.gov/validation\\_tripwire\\_enterprise\\_docs.html](http://nvd.nist.gov/validation_tripwire_enterprise_docs.html)). Nvd.nist.gov. Retrieved 2013-10-08.
142. "Network ports open by NetCrunch" (<http://www.adremsoft.com/kb/app/1310286>). AdRem Software. 2014-07-02. Retrieved 2014-07-02.
143. "Lantronix Discontinued Products / No Longer Supported" (<http://www.lantronix.com/support/discontinued.html>). Lantronix.com. Retrieved 2014-05-27.
144. "UDS10 and UDS100 User Guide" ([http://www.lantronix.com/pdf/UDS10-UDS100\\_UG.pdf](http://www.lantronix.com/pdf/UDS10-UDS100_UG.pdf)) (PDF). Retrieved 2014-05-27.
145. "Manual pages - F-PROT Antivirus Support - Unix" ([http://www.f-prot.com/support/unix/unix\\_manpages/fpscand.8.html](http://www.f-prot.com/support/unix/unix_manpages/fpscand.8.html)). F-prot.com. Retrieved 2014-05-27.
146. "Manual pages - F-PROT Antivirus Support - Unix" ([http://www.f-prot.com/support/unix/unix\\_manpages/f-protd.8.html](http://www.f-prot.com/support/unix/unix_manpages/f-protd.8.html)). F-prot.com. Retrieved 2014-05-27.
147. "http://support.ge-ip.com/support/resources/sites/GE\_FANUC\_SUPPORT/content/live/KB/15000/KB15940/en\_US/GEIP13-06 SecurityAdvisory-Proficy COMPLIACITY WebViewRemoteCodeExec.pdf" (<http://support.ge-ip.com/support/index?page=kbchannel&id=KB15940>).
148. "network broadcast from bluestacks - Beacon-v1" ([https://getsatisfaction.com/bstkt/topics/network\\_broadcast\\_from\\_bluestacks\\_beacon\\_v1](https://getsatisfaction.com/bstkt/topics/network_broadcast_from_bluestacks_beacon_v1)). Getsatisfaction.com. Retrieved 2013-10-08.
149. "The Only Currency Worthy of the Name" (<https://www.murraycoin.org>). Murraycoin. 2014-01-20. Retrieved 2014-05-27.
150. "Starting and Configuring the ElevateDB Server" ([http://www.elevatesoft.com/manual?action=viewtopic&id=edb2sql&topic=Starting\\_Configuring\\_Server](http://www.elevatesoft.com/manual?action=viewtopic&id=edb2sql&topic=Starting_Configuring_Server)). Elevatesoft.com. 2014-05-16. Retrieved 2014-05-27.
151. Axence Support (2013-04-29). "Porty używane przez nVision – Axence Support" (<http://service.axencesoftware.com/entries/20610646-porty-uzywane-przez-nvision-i-agenta>). Service.axencesoftware.com. Retrieved 2013-10-08.
152. "Server" (<http://www.cubeworldwiki.net/index.php/Server>). Cube World Wiki. 2013-07-17. Retrieved 2013-10-08.
153. "How to Access the Version 7 HMC Remotely" (<http://www-01.ibm.com/support/docview.wss?uid=na8N1012844>). IBM. 2013-07-17. Retrieved 2014-09-05.
154. Scheduler-Usage. "Forums: ControlM-Usage Forum Index -> Control-M Enterprise Manager" (<http://www.scheduler-usage.com/modules.php?name=Forums&file=viewtopic&t=1229>). Scheduler-Usage. Retrieved 2014-05-27.
155. Automatic Packet Reporting System 'APRS Wiki'
156. ""Mac OS X Server 10: Web service uses ports 80 and 16080 by default"" (<http://docs.info.apple.com/article.html?artnum=106407>). apple.com. Retrieved 2014-05-27.
157. <http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?&page=120>
158. "Sassafras Software Inc" (<http://www.sassafras.com/>). Sassafras.com. Retrieved 2014-05-27.
159. *How do I allow my internal XMPP client or server to connect to the Talk service?* (<http://code.google.com/support/bin/answer.py?hl=en&answer=62464>), Google Code Help, accessed December 15, 2010.
160. ""4D Server and port numbers"" ([http://www.4d.com/4d\\_docv13/4D/13/Configuration-preferences.300-845386.en.html#68475](http://www.4d.com/4d_docv13/4D/13/Configuration-preferences.300-845386.en.html#68475)). 4d.com. 2013-12-03. Retrieved 2014-05-27.
161. "WISCEBridge Debug Protocol" (<http://www.wolfsonmicro.com/support/wisce/>). Wolfsonmicro.com. Retrieved 2014-05-27.
162. "Networking introduction - collectd Wiki" ([http://collectd.org/wiki/index.php/Networking\\_introduction](http://collectd.org/wiki/index.php/Networking_introduction)). Collectd.org. 2012-01-25. Retrieved 2013-10-08.
163. "AppleMobileDeviceService.exe uses Half-Life server port number 27015 : Apple Support Communities" (<https://discussions.apple.com/thread/1560597>). Apple.co. 2008-06-15. Retrieved 2013-12-11.
164. "Cube 2: Sauerbraten - Configuration" (<http://sauerbraten.org/docs/config.html>). Sauerbraten. Retrieved 2013-10-26.
165. "Server Setup - redeclipse" ([http://sourceforge.net/apps/mediawiki/redeclipse/index.php?title=Server\\_Setup](http://sourceforge.net/apps/mediawiki/redeclipse/index.php?title=Server_Setup)). SourceForge.net. 2013-09-03. Retrieved 2013-10-08.
166. [http://www.nintendo.com/consumer/wfc/en\\_na/ds/firewall.jsp](http://www.nintendo.com/consumer/wfc/en_na/ds/firewall.jsp) Nintendo Customer Service - Nintendo Wi-Fi Connection Help
167. "boinc(1) - Linux man page" (<http://linux.die.net/man/1/boinc>). 2008. Retrieved 2015-07-13.
168. "Immunet Protect 2.0 Requirements & Compatible Security Package List : Immunet Support Site" ([http://support.immunet.com/tiki-read\\_article.php?articleId=4](http://support.immunet.com/tiki-read_article.php?articleId=4)). Support.immunet.com. Retrieved 2014-05-27.
169. Pedersen (2014-05-20). "Manually Configure Ports In Your Firewall - FAQ - Immunet Forum" (<http://forum.immunet.com/index.php?topic/1849-manually-configure-ports-in-your-firewall>). immunet.com. Retrieved 2014-05-27.
170. "Description of player adapter configuration options for Remuco Remuco ≤ 0.9.2" (<https://code.google.com/p/remuco/wiki/PlayerAdapterConfiguration>).
171. "Cisco Aironet 600 Series OfficeExtend Access Point User Guide" ([http://www.cisco.com/c/en/us/td/docs/wireless/access\\_point/600/user/guide/600oheap Ug/600oheap\\_config.pdf](http://www.cisco.com/c/en/us/td/docs/wireless/access_point/600/user/guide/600oheap Ug/600oheap_config.pdf)) (PDF).
172. "Dhanalak #1 Multi-Branch Chain Accounting Inventory Management Software" (<http://www.dhanalakshmi.org>). Dhanalakshmi.org. Retrieved 2013-10-08.
173. "Epipole Limited" (<http://www.epipole.com>). Epipole.com. Retrieved 2014-11-14.
174. "FORUM" (<http://www.flatcast.com/FcForum.aspx?forum=4567>). Flatcast.com. Retrieved 2013-10-08.
175. "Obtaining Data from the Local Computer (Windows)" (<http://msdn.microsoft.com/en-us/library/aa384424%28VS.85%29.aspx>). Msdn.microsoft.com. 2013-08-23. Retrieved 2013-10-08.
176. "Robot Raconteur® A communication library for robotics and automation, developed by Wason Technology, LLC" (<http://robotraconteur.com>).
177. *Internet Assigned Numbers Authority (IANA) Procedures for the Management of the Service Name and Transport Protocol Port Number Registry* (<https://tools.ietf.org/html/rfc6335>). IETF. August 2011. RFC 6335. <https://tools.ietf.org/html/rfc6335>.

## External links

- "Service Name and Transport Protocol Port Number Registry" (<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.txt>). IANA.
- 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](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://support.apple.com/kb/TS1629>)
- List of commonly used TCP/UDP ports in Linux (<http://tcp-udp-ports.com/linux-ports.php>)
- SANS List of only the 'preferred' service for each port/protocol combo (<http://isc.sans.org/services.html>)
- SANS: Intrusion Detection FAQ: What port numbers do well-known trojan horses use? (<http://www.sans.org/security-resources/idfaq/oddports.php>)

Retrieved from "[https://en.wikipedia.org/w/index.php?title=List\\_of\\_TCP\\_and\\_UDP\\_port\\_numbers&oldid=676913669](https://en.wikipedia.org/w/index.php?title=List_of_TCP_and_UDP_port_numbers&oldid=676913669)"

Categories: [Computing-related lists](#) | [Internet protocols](#) | [Internet-related lists](#) | [Transmission Control Protocol](#)

---

- This page was last modified on 19 August 2015, at 23:23.
- Text is available under the Creative Commons Attribution-ShareAlike License; additional terms may apply. By using this site, you agree to the Terms of Use and Privacy Policy. Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc., a non-profit organization.