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 host­to­host connectivity.

Originally, port numbers were used by the Network Control Program (NCP) in the ARPANET for which two ports were required for half­duplex transmission. Later, the Transmission Control Protocol (TCP) and the User Datagram Protocol (UDP) needed only one port for full­duplex, bidirectional traffic. The evennumbered ports were not used, and this resulted in some even numbers in the well­known 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.[1] However, many unofficial uses of both well­known and registered port numbers occur in practice.

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Table legend

Official: Port is registered with IANA for the application.[1]  Unofficial: Port is not registered with IANA for the application.

Multiple use: Multiple applications are known to use this port.

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Well­known ports

The port numbers in the range from 0 to 1023 are the well­known ports or system ports.[2] They are used by system processes that provide widely used types of network services. On Unix­like 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 well­known ports.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Port | TCP | | UDP | Description | Status |
| 0 | N/A | | N/A | In programming APIs (not in communication between hosts), requests a system­allocated (dynamic) port [3][4] | N/A |
| 0 |  | | UDP | Reserved | Official |
| 1 | TCP | | UDP | TCP Port Service Multiplexer (TCPMUX) | Official |
| 2 | TCP | | UDP | CompressNET[5] Management Utility[6] | Official |
| 3 | TCP | | UDP | CompressNET[5] Compression Process[7] | 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 | Wake­on­LAN | Unofficial |
| 10 | TCP | | UDP | Unassigned | Official |
| 11 | TCP | | UDP | Active Users (systat service)[8][9] | 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[8] | 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 | Official |
| 20 | TCP | | UDP | FTP data transfer | Official |
| 21 | TCP SCTP | | UDP | FTP control (command) | Official |
| 22 | TCP SCTP | | UDP | Secure Shell (SSH), secure logins, file transfers (scp, sftp) and port forwarding | Official |
| 23 | TCP | | UDP | Telnet protocol—unencrypted text communications | Official |
| 24 | TCP | | UDP | Priv­mail, any private mail system | Official |
| 25 | TCP | | UDP | Simple Mail Transfer Protocol (SMTP), used for e­mail 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 |
|  |  | |  | Resource Location Protocol[10] (RLP)—used for determining |  |
| 39 | TCP |  | UDP | 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[11] | 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 | Xerox Network Systems (XNS) clearinghouse | Official |
| 55 | TCP |  | UDP | ISI Graphics Language (ISI­GL) | Official |
| 56 | TCP |  | UDP | Xerox Network Systems (XNS) authentication | Official |
| 56 | TCP |  | UDP | Route Access Protocol (RAP)[12] | Unofficial |
| 57 | TCP |  | UDP | Any private terminal access | Official |
| 58 | TCP |  | UDP | Xerox Network Systems (XNS) 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 |
| 71–74 | 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)[13] | 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 |
|  |  |  |  | ISO Transport Service Access Point (TSAP) Class 0 |  |
| 102 | TCP | | UDP | protocol;[14] 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[15] protocol | Official |
| 108 | TCP | | UDP | SNA Gateway Access Server[1] | 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,[16] used by IRC servers to identify users | Official |
| 113 |  | | UDP | Authentication Service[16] (auth) | Official |
| 115 | TCP | |  | Simple File Transfer Protocol | Official |
| 117 | STD | |  | UUCP Path Service | Official |
| 118 | TCP | | UDP | Structured Query Language (SQL) 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,[17] used to remotely manage services including DHCP server, DNS server and WINS. Also used by DCOM | Unofficial |
| 137 | TCP | | UDP | NetBIOS Name Service | Official |
| 138 | TCP | | UDP | NetBIOS Datagram Service | Official |
| 139 | TCP | | UDP | NetBIOS Session Service | Official |
| 143 | TCP | |  | Internet Message Access Protocol (IMAP), management of email messages | Official |
| 152 | TCP | | UDP | Background File Transfer Program (BFTP)[18] | Official |
| 153 | TCP | | UDP | Simple Gateway Monitoring Protocol (SGMP) | Official |
| 156 | TCP | | UDP | SQL Service | Official |
| 158 | TCP | | UDP | Distributed Mail Service Protocol (DMSP)[19] | Unofficial |
| 161 |  | | UDP | Simple Network Management Protocol (SNMP) | Official |
| 162 | TCP | | UDP | Simple Network Management Protocol Trap (SNMPTRAP)[20] | Official |
| 170 | TCP | |  | Print­srv, 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 | |  | Border Gateway Protocol (BGP) | 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 | 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 | Efficient Short Remote Operations (ESRO) | Official |
| 262 | TCP | | UDP | Arcisdms | Official |
| 264 | TCP | | UDP | Border Gateway Multicast Protocol (BGMP) | Official |
| 280 | TCP | | UDP | http­mgmt | 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 Time Stamp Protocol (TSP) | Official |
| 319 |  | | UDP | Precision Time Protocol (PTP) event messages | Official |
| 320 |  | | UDP | Precision Time Protocol (PTP) general messages | Official |
| 350 | TCP | | UDP | Mapping of Airline Traffic over Internet Protocol (MATIP) type A | Official |
| 351 | TCP | | UDP | MATIP type B | Official |
| 356 | TCP | | UDP | cloanto­net­1 (used by Cloanto Amiga Explorer and VMs) | Official |
| 366 | TCP | | UDP | On­Demand Mail Relay (ODMR) | Official |
| 369 | TCP | | UDP | Rpc2portmap | Official |
| 370 | TCP | |  | codaauth2, Coda authentication server | Official |
| 370 |  | | UDP | codaauth2, Coda authentication server | Official |
| 370 |  | | UDP | securecast1, outgoing packets to NAI's SecureCast servers [21]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 Update­based Routing Protocol)[22] | 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 | Uninterruptible power supply (UPS) | 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 | Simple Network Paging Protocol (SNPP), RFC 1568 | Official |
| 445 | TCP |  |  | Microsoft­DS Active Directory, Windows shares | Official |
| 445 | TCP |  |  | Microsoft­DS 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 | tcpnethaspsrv, Aladdin Knowledge Systems Hasp services | Official |
| 491 | TCP |  |  | GO­Global remote access and application publishing software | Unofficial |
| 497 | TCP |  |  | Dantz Retrospect | Official |
| 500 | TCP |  | UDP | Internet Security Association and Key Management Protocol (ISAKMP) / Internet Key Exchange (IKE) | 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[23] | Official |
| 514 | TCP |  |  | Remote Shell, used to execute non­interactive commands on a remote system (Remote Shell, rsh, remsh) | Official |
| 514 |  |  | UDP | Syslog, used for system logging | Official |
| 515 | TCP |  |  | Line Printer Daemon (LPD), 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 | Remote procedure call (RPC) | Official |
| 531 | TCP |  | UDP | AOL Instant Messenger | Unofficial |
| 532 | TCP |  |  | netnews | Official |
|  |  |  |  |  |  |
| 533 |  | | UDP | netwall, For Emergency Broadcasts | Official |
| 540 | TCP | |  | Unix­to­Unix Copy Protocol (UUCP) | 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 | new­rwho, new­who[23] | 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 | |  | 9P (Plan 9) | Unofficial |
| 587 | TCP | |  | e­mail message submission[24] (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 |
| 601 | TCP | |  | Reliable Syslog Service — used for system logging | Official |
| 604 | TCP | |  | TUNNEL profile,[25] a protocol for BEEP peers to form an application layer tunnel | Official |
| 623 |  | | UDP | ASF Remote Management and Control Protocol (ASF­RMCP) | 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 | Label Distribution Protocol (LDP), a routing protocol used in MPLS networks | Official |
| 647 | TCP | |  | DHCP Failover protocol[26] | Official |
| 648 | TCP | |  | Registry Registrar Protocol (RRP)[27] | Official |
|  |  | |  |  |  |
| 651 | TCP | | UDP | IEEE­MMS | 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) [28] | 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)[29] 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 first­person shooter | Official |
| 666 | TCP | |  | airserv­ng (http://www.aircrack­ng.org/doku.php?id=airservng), aircrack­ng's server for remote­controlling wireless devices | Unofficial |
| 674 | TCP | |  | Application Configuration Access Protocol (ACAP) | Official |
| 688 | TCP | | UDP | REALM­RUSD (ApplianceWare Server Appliance Management Protocol) | Official |
| 690 | TCP | | UDP | Velneo Application Transfer Protocol (VATP) | Official |
| 691 | TCP | |  | MS Exchange Routing | Official |
| 694 | TCP | | UDP | Linux­HA high­availability heartbeat | Official |
| 695 | TCP | |  | IEEE Media Management System over SSL (IEEE­MMSSSL) [30] | Official |
| 698 |  | | UDP | Optimized Link State Routing (OLSR) | Official |
| 700 | TCP | |  | Extensible Provisioning Protocol (EPP), a protocol for communication between domain name registries and registrars (RFC 5734) | Official |
| 701 | TCP | |  | Link Management Protocol (LMP),[31] a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links | Official |
| 702 | TCP | |  | IRIS[32][33] (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) [34] (RFC 3983) | Official |
| 706 | TCP | |  | Secure Internet Live Conferencing (SILC) | Official |
| 711 | TCP | |  | Cisco Tag Distribution Protocol[35][36][37]—being replaced by the MPLS Label Distribution Protocol [38] | Official |
| 712 | TCP | |  | Topology Broadcast based on Reverse­Path Forwarding routing protocol (TBRPF; RFC 3684) | Official |
| 749 | TCP | | UDP | Kerberos (protocol) administration | Official |
| 750 |  | | UDP | kerberos­iv, 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)[39] | 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 serial­console management server | Unofficial |
| 783 | TCP | |  | SpamAssassin spamd daemon | Unofficial |
| 800 | TCP | | UDP | mdbs­daemon | Official |
| 808 | TCP | |  | Microsoft Net.TCP Port Sharing Service | Unofficial |
| 829 | TCP | |  | Certificate Management Protocol[40] | Unofficial |
| 830 | TCP | | UDP | NETCONF over SSH | Official |
| 831 | TCP | | UDP | NETCONF over BEEP | Official |
| 832 | TCP | | UDP | NETCONF for SOAP over HTTPS | Official |
| 833 | TCP | | UDP | NETCONF for SOAP over BEEP | Official |
| 843 | TCP | |  | Adobe Flash[41] | 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) | Unofficial |
| 888 | TCP | |  | IBM Endpoint Manager Remote Control | Unofficial |
| 897 | TCP | | UDP | Brocade SMI­S RPC | Unofficial |
| 898 | TCP | | UDP | Brocade SMI­S 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 | ideafarm­door (IdeaFarm (tm) Operations) | Official |
| 902 | TCP | | UDP | VMware Server Console (from management console to managed device) | Unofficial |
| 903 | TCP | | UDP | ideafarm­panic (IdeaFarm (tm) Operations) | Official |
| 903 | TCP | |  | VMware Remote Console[42] | Unofficial |
| 904 | TCP | |  | VMware Server alternate | 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 FireWall­1 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 | Netnews Administration System (NAS)[43] | 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[1] | 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.[1] 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/service­names­port­numbers/service­names­port­numbers.txt) of IANA for the complete list of assigned ports.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Port | TCP | UDP | Description | Status |
| 1025 | TCP |  | NFS | Unofficial |
| 1025 | TCP |  | IIS | Unofficial |
| 1025 | TCP |  | Teradata | Unofficial |
| 1026 | TCP |  | Often used by Microsoft DCOM services | Unofficial |
| 1027 | TCP |  | Task scheduler | Unofficial |
| 1027 |  | UDP | Native IPv6 behind IPv4­to­IPv4 NAT Customer Premises Equipment (6a44) [44] | Official |
| 1029 | TCP |  | Microsoft DCOM services | Unofficial |
| 1030 | TCP |  | services.exe | Unofficial |
| 1039 | TCP | UDP | NSM Network Status Manager (NFS) | Official |
| 1047 | TCP | UDP | NLM Network Lock Manager (NFS) | Official |
| 1048 | TCP | UDP | NFS Mount (NFS) | Official |
| 1058 | TCP | UDP | nim, IBM AIX Network Installation Manager (NIM) | Official |
| 1059 | TCP | UDP | nimreg, IBM AIX Network Installation Manager (NIM) | Official |
| 1064 | TCP |  | lsass.exe | Unofficial |
| 1080 | TCP |  | SOCKS proxy | Official |
| 1085 | TCP | UDP | WebObjects | Official |
| 1098 | TCP | UDP | rmiactivation, Java remote method invocation (RMI) activation | Official |
| 1099 | TCP | UDP | rmiregistry, Java remote method invocation (RMI) registry | Official |
| 1109 | TCP |  | Kerberos Post Office Protocol (KPOP) | Unofficial |
| 1110 |  | UDP | EasyBits School network discovery protocol (for Intel's CMPC platform) | Unofficial |
| 1119 | TCP | UDP | Used by some Blizzard games[45] | Unofficial |
| 1140 | TCP | UDP | AutoNOC protocol | Official |
| 1167 |  | UDP | Phone, conference calling | Unofficial |
| 1169 | TCP | UDP | Tripwire | Official |
| 1176 | TCP |  | Indigo Domotics Home automation server ­ configuration and control access | Official |
| 1182 | TCP | UDP | AcceleNet Intelligent Transfer Protocol | Official |
| 1194 | TCP | UDP | OpenVPN | Official |
| 1198 | TCP | UDP | The cajo project Free dynamic transparent distributed computing in Java | Official |
| 1200 | TCP |  | scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request [46] | Official |
| 1200 |  | UDP | scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request | Official |
| 1200 |  | UDP | Steam Friends Applet | Unofficial |
| 1214 | TCP |  | Kazaa | Official |
| 1217 | TCP |  | Uvora Online | Unofficial |
|  |  |  |  |  |
| 1220 | TCP |  | QuickTime Streaming Server administration | Official |
| 1223 | TCP | UDP | TrulyGlobal Protocol (TGP, also known as The Gur Protocol (named for Gur Kimchi of TrulyGlobal) | Official |
| 1232 | TCP | UDP | first­defense, Remote systems monitoring service from Nexum, Inc | Official |
| 1234 |  | UDP | VLC media player default port for UDP/RTP stream | Unofficial |
| 1234 | TCP |  | Mercurial and git default ports for serving Hyper Text | Unofficial |
| 1236 | TCP |  | Symantec BindView Control UNIX Default port for TCP management server connections | Unofficial |
| 1241 | TCP | UDP | Nessus Security Scanner | Official |
| 1270 | TCP | UDP | Microsoft System Center Operations Manager (SCOM) (formerly Microsoft Operations Manager (MOM)) agent | Official |
| 1293 | TCP | UDP | Internet Protocol Security (IPSec) | Official |
| 1301 | TCP |  | Palmer Performance OBDNet | Unofficial |
| 1306 | TCP | UDP | Boomerang | Official |
| 1309 | TCP |  | Altera Quartus jtagd | Official |
| 1311 | TCP |  | Dell OpenManage HTTPS | Official |
| 1313 | TCP |  | Xbiim (Canvii server) | Unofficial |
| 1314 | TCP |  | Festival Speech Synthesis System | Unofficial |
| 1319 | TCP |  | AMX ICSP | Official |
| 1319 |  | UDP | AMX ICSP | Official |
| 1323 | TCP | UDP | brcd (Todd Picquelle ­ multi­purpose application port) | Official |
| 1337 | TCP |  | neo4j­shell | Unofficial |
| 1337 | TCP | UDP | Men and Mice DNS | Official |
| 1337 | TCP |  | WASTE Encrypted File Sharing Program | Unofficial |
| 1341 | TCP | UDP | Qubes (Manufacturing Execution System) | Official |
| 1344 | TCP |  | Internet Content Adaptation Protocol | Official |
| 1352 | TCP |  | IBM Lotus Notes/Domino (RPC) protocol | Official |
| 1364 | TCP |  | IBM Connect:Direct/FTP+ FTPS Protocol: FTP over TLS/SSL | Unofficial |
| 1387 | TCP | UDP | cadsi­lm, LMS International (formerly Computer Aided Design Software, Inc. (CADSI)) LM | Official |
| 1414 | TCP |  | IBM WebSphere MQ (formerly known as MQSeries) | Official |
| 1417 | TCP | UDP | Timbuktu Service 1 Port | Official |
| 1418 | TCP | UDP | Timbuktu Service 2 Port | Official |
| 1419 | TCP | UDP | Timbuktu Service 3 Port | Official |
| 1420 | TCP | UDP | Timbuktu Service 4 Port | Official |
| 1431 | TCP |  | Reverse Gossip Transport Protocol (RGTP), used to access a General­purpose Reverse­Ordered Gossip Gathering System (GROGGS) bulletin board, such as that  implemented on the Cambridge University's Phoenix system | Official |
| 1433 | TCP |  | Microsoft SQL Server database management system (MSSQL) server | Official |
|  |  |  |  |  |
| 1434 | TCP | UDP | Microsoft SQL Server database management system (MSSQL) monitor | Official |
| 1470 | TCP |  | Solarwinds Kiwi Log Server | Official |
| 1481 | TCP | UDP | AIRS | Official |
| 1494 | TCP | UDP | Citrix XenApp Independent Computing Architecture (ICA) thin client protocol [47] | Official |
| 1500 | TCP |  | IBM Tivoli Storage Manager server | Unofficial |
| 1500 | TCP |  | NetGuard GuardianPro firewall (NT4­based) Remote Management | Unofficial |
| 1501 | TCP |  | IBM Tivoli Storage Manager client scheduler | Unofficial |
| 1501 |  | UDP | NetGuard GuardianPro firewall (NT4­based) Authentication Client | Unofficial |
| 1503 | TCP | UDP | Windows Live Messenger (Whiteboard and Application Sharing) | Unofficial |
| 1512 | TCP | UDP | Microsoft Windows Internet Name Service (WINS) | Official |
| 1513 | TCP | UDP | Garena Garena Gaming Client | Official |
| 1521 | TCP |  | nCube License Manager, SQLnet | Official |
| 1521 | TCP |  | Oracle database default listener, in future releases[48] official port 2483 (TCP/IP) and 2484 (TCP/IP with SSL) | Unofficial |
| 1524 | TCP | UDP | ingreslock, ingres | Official |
| 1527 | TCP |  | Apache Derby Network Server default port | Unofficial |
| 1528 | TCP |  | Oracle database common alternative for listener | Unofficial |
| 1528 | TCP |  | Timekoin [49] | Unofficial |
| 1533 | TCP |  | IBM Sametime IM—Virtual Places Chat Microsoft SQL Server | Official |
| 1534 |  | UDP | Eclipse Target Communication Framework (TCF) agent discovery [50] | Unofficial |
| 1547 | TCP | UDP | Laplink | Official |
| 1550 | TCP | UDP | 3m­image­lm Image Storage license manager 3M Company | Official |
| 1550 | TCP |  | Gadu­Gadu (direct client­to­client) | Unofficial |
| 1558 | TCP | UDP | Xing StreamWorks Both UDP and TCP were reserved, but only UDP was used. | Official |
| 1580 | TCP |  | IBM Tivoli Storage Manager server web interface | Unofficial |
| 1581 | TCP |  | IBM Tivoli Storage Manager web client | Unofficial |
| 1581 |  | UDP | MIL STD 2045­47001 VMF | Official |
| 1583 | TCP |  | Pervasive PSQL | Unofficial |
| 1589 |  | UDP | Cisco VLAN Query Protocol (VQP) / VLAN Management Policy Server (VMPS) | Unofficial |
| 1590 | TCP |  | GE Smallworld Datastore Server (SWMFS/Smallworld Master Filesystem) | Unofficial |
| 1604 | TCP |  | Darkcomet RAT server (remote administration tool/trojan) | Unofficial |
| 1627 |  |  | iSketch | Unofficial |
|  |  |  |  |  |
| 1628 | TCP |  | LonWorks Remote Network Interface (RNI) | Official |
| 1628 |  | UDP | LonWorks IP tunneling (ANSI EIA/CEA­852, EN 14908­4) | Official |
| 1629 | TCP |  | Alternate LonWorks Remote Network Interface (RNI) | Official |
| 1629 |  | UDP | LonWorks IP tunneling configuration server (ANSI EIA/CEA­852, EN 14908­4) | Official |
| 1645 |  | UDP | Old radius port, RADIUS authentication protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers. [51] Official port is 1812. TCP  port 1645 MUST NOT be used.[52] | Unofficial |
| 1646 |  | UDP | Old radacct port, RADIUS accounting protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers. Official port is 1813. TCP port 1646 MUST NOT be used.[52] | Unofficial |
| 1666 | TCP |  | Perforce | Unofficial |
| 1677 | TCP | UDP | Novell GroupWise clients in client/server access mode | Official |
| 1688 | TCP |  | Microsoft Key Management Service for KMS Windows Activation | Unofficial |
| 1700 |  | UDP | Cisco RADIUS Change of Authorization for TrustSec | Unofficial |
| 1701 |  | UDP | Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP) | Official |
| 1707 | TCP | UDP | Windward Studios | Official |
| 1707 | TCP |  | Romtoc Interactive Modular Multiplayer Client­Server  Online Application Interface & Layer 2 Tunneling Protocol (L2TP) | Unofficial |
| 1716 | TCP |  | America's Army Massively multiplayer online game (MMO) | Unofficial |
| 1719 |  | UDP | H.323 registration and alternate communication | Official |
| 1720 | TCP |  | H.323 call signaling | Official |
| 1723 | TCP | UDP | Microsoft Point­to­Point Tunneling Protocol (PPTP) | Official |
| 1725 |  | UDP | Valve Steam Client | Unofficial |
| 1755 | TCP | UDP | Microsoft Media Services (MMS, ms­streaming) | Official |
| 1761 | TCP | UDP | cft­0 | Official |
| 1761 | TCP |  | Novell Zenworks Remote Control utility | Unofficial |
| 1762–  1768 | TCP | UDP | cft­1 to cft­7 | Official |
| 1776 | TCP | UDP | Federal Emergency Management Information System | Official |
| 1792 | TCP | UDP | Moby | Unofficial |
| 1801 | TCP | UDP | Microsoft Message Queuing | Official |
| 1812 | TCP | UDP | RADIUS authentication protocol, radius | Official |
| 1813 | TCP | UDP | RADIUS accounting protocol, radacct | Official |
| 1863 | TCP |  | Microsoft Notification Protocol (MSNP), used by the Microsoft Messenger service and a number of Instant Messaging clients | Official |
|  |  |  |  |  |
| 1883 | TCP | UDP | MQ Telemetry Transport (MQTT), formerly known as MQIsdp (MQSeries SCADA protocol) | Official |
| 1886 | TCP |  | Leonardo over IP Pro2col Ltd | Unofficial |
| 1900 |  | UDP | Microsoft Simple Service Discovery Protocol (SSDP), discovery of UPnP devices | Official |
| 1920 | TCP |  | IBM Tivoli monitoring console | Unofficial |
| 1935 | TCP |  | Adobe Systems Macromedia Flash Real Time Messaging Protocol (RTMP) "plain" protocol | Official |
| 1947 | TCP | UDP | SentinelSRM (hasplm), Aladdin HASP License Manager | Official |
| 1967 |  | UDP | Cisco IOS IP Service Level Agreements (IP SLAs) Control Protocol | Unofficial |
| 1970 | TCP | UDP | Netop Remote Control | Official |
| 1971 | TCP | UDP | Netop School | Official |
| 1972 | TCP | UDP | InterSystems Caché | Official |
| 1975–  1977 |  | UDP | Cisco TCO [53] | Official |
| 1978 | TCP |  | The Remote Mouse Server Port | Official |
| 1984 | TCP |  | Big Brother and related Xymon (formerly Hobbit) System and Network Monitor | Official |
| 1985 |  | UDP | Cisco Hot Standby Router Protocol (HSRP) | Official |
| 1997 | TCP |  | Chizmo Networks Transfer Tool | Unofficial |
| 1998 | TCP | UDP | Cisco X.25 over TCP (XOT) service | Official |
| 2000 | TCP | UDP | Cisco SCCP (Skinny) | Official |
| 2001 |  | UDP | CAPTAN Test Stand System | Unofficial |
| 2002 | TCP |  | Secure Access Control Server (ACS) for Windows | Unofficial |
| 2008 | TCP |  | Stylex Secured server | Unofficial |
| 2010 | TCP |  | Artemis: Spaceship Bridge Simulator default | Unofficial |
| 2014 | TCP |  | Remoticus | Unofficial |
| 2030 |  |  | Oracle services for Microsoft Transaction Server | Unofficial |
| 2031 | TCP | UDP | mobrien­chat) | Official |
| 2041 | TCP |  | Mail.Ru Agent communication protocol | Unofficial |
| 2049 | TCP | UDP | NFS Network File System | Official |
| 2050 |  | TCP | Snell RollCall | Official |
| 2051 |  | TCP | Snell IQ | Official |
| 2053 | TCP |  | knetd Kerberos de­multiplexor | Unofficial |
| 2055 | TCP | UDP | Iliad­Odyssey Protocol | Official |
| 2056 |  | UDP | Civilization 4 multiplayer | Unofficial |
| 2071 | TCP | UDP | Axon Control Protocol (ACP) | Official |
| 2074 | TCP | UDP | Vertel VMF SA (e.g., App. SpeakFreely) | Official |
| 2077 | TCP |  | TrelliSoft Agent | Official |
| 2080 | TCP | UDP | Autodesk NLM (FLEXlm) | Official |
|  |  |  |  |  |
| 2082 | TCP |  | Infowave Mobility Server | Official |
| 2082 | TCP |  | CPanel default | Unofficial |
| 2083 | TCP |  | Secure Radius Service (radsec) | Official |
| 2083 | TCP |  | CPanel default SSL | Unofficial |
| 2086 | TCP |  | GNUnet | Official |
| 2086 | TCP |  | WebHost Manager default | Unofficial |
| 2087 | TCP |  | WebHost Manager default SSL | Unofficial |
| 2095 | TCP |  | CPanel default web mail | Unofficial |
| 2096 | TCP |  | CPanel default SSL web mail | Unofficial |
| 2100 | TCP |  | Warzone 2100 multiplayer | Unofficial |
| 2102 | TCP | UDP | zephyr­srv Project Athena Zephyr Notification Service server | Official |
| 2103 | TCP | UDP | zephyr­clt Project Athena Zephyr Notification Service servhm connection | Official |
| 2104 | TCP | UDP | zephyr­hm Project Athena Zephyr Notification Service hostmanager | Official |
| 2105 | TCP | UDP | IBM MiniPay | Official |
| 2105 | TCP | UDP | eklogin Kerberos encrypted remote login (rlogin) | Unofficial |
| 2105 | TCP | UDP | zephyr­hm­srv Project Athena Zephyr Notification Service hm­serv connection (should use port 2102) | Unofficial |
| 2115 | TCP | UDP | MIS Department | Unofficial |
| 2121 | TCP |  | FTP proxy | Unofficial |
| 2123 |  | UDP | GTP­C messages | Official |
| 2142 |  | UDP | TDMoIP (RFC 5087) | Official |
| 2144 | TCP |  | Iron Mountain LiveVault Agent | Unofficial |
| 2145 | TCP |  | Iron Mountain LiveVault Agent | Unofficial |
| 2152 |  | UDP | GTP­U messages | Official |
| 2156 |  | UDP | Talari Reliable Protocol | Official |
| 2159 | TCP | UDP | GDB remote debug port | Official |
| 2160 | TCP |  | APC Agent | Official |
| 2161 | TCP |  | APC Agent | Official |
| 2179 | TCP |  | VMConnect to Hyper­V hosts | Official |
| 2181 | TCP | UDP | EForward­document transport system | Official |
| 2181 | TCP |  | Apache ZooKeeper default client port | Unofficial |
| 2190 |  | UDP | TiVoConnect Beacon | Unofficial |
| 2195 | TCP |  | Apple Push Notification Service [54] | Unofficial |
| 2196 | TCP |  | Apple Push Notification, Feedback [54] | Unofficial |
| 2200 |  | UDP | Tuxanci game server[55] | Unofficial |
| 2210 | TCP | UDP | NOAAPORT Broadcast Network | Official |
| 2210 | TCP |  | MikroTik Remote management for "The Dude" | Unofficial |
|  |  |  |  |  |
| 2211 |  | UDP | EMWIN | Official |
| 2211 | TCP |  | EMWIN | Official |
| 2211 | TCP |  | MikroTik Secure management for "The Dude" | Unofficial |
| 2212 | TCP | UDP | LeeCO POS Server Service | Official |
| 2212 | TCP |  | Port­A­Pour Remote WinBatch | Unofficial |
| 2219 | TCP | UDP | NetIQ NCAP Protocol | Official |
| 2220 | TCP | UDP | NetIQ End2End | Official |
| 2221 | TCP |  | ESET anti­virus updates[56] | Unofficial |
| 2222 | TCP |  | ESET remote administrator[56] | Unofficial |
| 2222 | TCP |  | DirectAdmin default | Unofficial |
| 2223 | TCP |  | ESET Remote administrator [56] | Unofficial |
| 2223 |  | UDP | Microsoft Office OS X antipiracy network monitor | Unofficial |
| 2224–  2226 | TCP |  | ESET Remote administrator [56] | Unofficial |
| 2261 | TCP | UDP | CoMotion master | Official |
| 2262 | TCP | UDP | CoMotion backup | Official |
| 2266 | TCP | UDP | M­Files | Official |
| 2301 | TCP |  | HP System Management Redirect to port 2381 | Unofficial |
| 2302 |  | UDP | ArmA multiplayer (default for game) | Unofficial |
| 2302 |  | UDP | Halo: Combat Evolved multiplayer | Unofficial |
| 2303 |  | UDP | ArmA multiplayer (default for server reporting) (default port for game +1) | Unofficial |
| 2305 |  | UDP | ArmA multiplayer (default for VoN) (default port for game +3) | Unofficial |
| 2323 | TCP |  | Philips TVs based on jointSPACE[57] | Unofficial |
| 2345 | TCP |  | Default Used by Symon Communications ­  Symon2KpipeServer ­can be changed by administrator to anything | Unofficial |
| 2351 | TCP |  | AIM game LAN network port | Unofficial |
| 2368 | TCP |  | Ghost Blogging Platform | Unofficial |
| 2369 | TCP |  | Default for BMC Software Control­M/Server Configuration Agent, though often changed during installation | Unofficial |
| 2370 | TCP |  | Default for BMC Software Control­M/Server, to allow the  Control­M/Enterprise Manager to connect to the ControlM/Server | Unofficial |
| 2375 | TCP |  | Docker REST API (plain) | Official |
| 2376 | TCP |  | Docker REST API (SSL) | Official |
| 2379 | TCP |  | KGS Go Server | Unofficial |
| 2381 | TCP |  | HP Insight Manager default for Web server | Unofficial |
| 2399 | TCP |  | FileMaker Data Access Layer (ODBC/JDBC) | Official |
| 2401 | TCP |  | CVS version control system password­based server | Official |
|  |  |  |  |  |
| 2404 | TCP |  | IEC 60870­5 ­104, used to send electric power telecontrol messages between two systems via directly connected data circuits | Official |
| 2420 |  | UDP | Westell Remote Access | Official |
| 2424 | TCP |  | OrientDB database listening for Binary client connections | Official |
| 2427 | TCP | UDP | Media Gateway Control Protocol (MGCP) media gateway | Official |
| 2447 | TCP | UDP | ovwdb—OpenView Network Node Manager (NNM) daemon | Official |
| 2463 | TCP | UDP | LSI RAID Management formerly Symbios Logic | Official |
| 2480 | TCP |  | OrientDB database listening for HTTP client connections | Official |
| 2483 | TCP | UDP | Oracle database listening for insecure client connections to the listener, replaces port 1521 | Official |
| 2484 | TCP | UDP | Oracle database listening for SSL client connections to the listener | Official |
| 2500 | TCP |  | THEÒSMESSENGER listening for TheòsMessenger client connections | Official |
| 2501 | TCP |  | TheosNet­Admin listening for TheòsMessenger client connections | Official |
| 2518 | TCP | UDP | Willy | Official |
| 2525 | TCP |  | SMTP alternate | Unofficial |
| 2535 | TCP |  | Multicast Address Dynamic Client Allocation Protocol (MADCAP) | Official |
| 2540 | TCP | UDP | LNS/OpenLns Remote Server | Official |
| 2541 | TCP |  | LNS/OpenLns Remote Server | Official |
| 2541 |  | UDP | LonTalk/IP | Official |
| 2546–  2548 | TCP | UDP | EVault data protection services (Vytal Vault) | Official |
| 2593 | TCP | UDP | UOX and RunUO, Ultima Online servers | Unofficial |
| 2598 | TCP |  | ICA (Citrix) with Session Reliability; port 1494 without session reliability [47] | Unofficial |
| 2599 | TCP |  | SonicWALL anti­spam traffic between Remote Analyzer (RA) and Control Center (CC) | Unofficial |
| 2610 | TCP |  | TrackiT mobile device monitoring | Unofficial |
| 2612 | TCP | UDP | QPasa from MQSoftware | Official |
| 2636 | TCP |  | Solve Service | Official |
| 2638 | TCP |  | SQL Anywhere database server[58][59] | Official |
| 2641 | TCP | UDP | HDL Server from CNRI | Official |
| 2642 | TCP | UDP | Tragic | Official |
| 2643 | TCP |  | NetApp SANTricity Storage Manager Jview process | Official |
| 2698 | TCP | UDP | Citel/MCK IVPIP | Official |
| 2703 | TCP |  | Vipul's Razor distributed, collaborative, spam­detectionand­filtering network | Unofficial |
| 2710 |  | UDP | XBT Tracker experimental UDP tracker extension | Unofficial |
|  |  |  |  |  |
| 2710 | TCP |  | XBT Tracker | Unofficial |
| 2710 | TCP |  | Knuddels.de | Unofficial |
| 2727 | TCP | UDP | Media Gateway Control Protocol (MGCP) media gateway controller (call agent) | Official |
| 2735 | TCP | UDP | NetIQ Monitor Console | Official |
| 2809 | TCP | UDP | corbaloc:iiop URL, per the CORBA 3.0.3 specification | Official |
| 2809 | TCP |  | IBM WebSphere Application Server (WAS) rmi default (based on CORBA) | Unofficial |
| 2811 | TCP |  | gsi ftp, per the GridFTP specification | Official |
| 2827 | TCP |  | I2P Basic Open Bridge API | Unofficial |
| 2226 | TCP |  | ESET Remote administrator [56] | Unofficial |
| 2868 | TCP | UDP | Norman Proprietary Event Protocol (NPEP) | Official |
| 2944 |  | UDP | Megaco text H.248 | Unofficial |
| 2945 |  | UDP | Megaco binary (ASN.1) H.248 | Unofficial |
| 2947 | TCP |  | gpsd, GPS daemon | Official |
| 2948 | TCP | UDP | WAP push Multimedia Messaging Service (MMS) | Official |
| 2949 | TCP | UDP | WAP pushsecure Multimedia Messaging Service (MMS) | Official |
| 2967 | TCP |  | Symantec AntiVirus Corporate Edition | Unofficial |
| 3000 | TCP |  | Miralix License server | Unofficial |
| 3000 | TCP |  | Cloud9 Integrated Development Environment server | Unofficial |
| 3000 | TCP |  | Ruby on Rails development default[60] | Unofficial |
| 3000 | TCP |  | Meteor development default[61] | Unofficial |
| 3000 |  | UDP | BitTorrent Sync | Unofficial |
| 3000 |  | UDP | Distributed Interactive Simulation (DIS), modifiable default | Unofficial |
| 3001 | TCP |  | Miralix Phone Monitor | Unofficial |
| 3001 | TCP |  | Opsware server (Satellite) | Unofficial |
| 3002 | TCP |  | Miralix CSTA | Unofficial |
| 3003 | TCP |  | Miralix GreenBox API | Unofficial |
| 3004 | TCP |  | Miralix InfoLink | Unofficial |
| 3005 | TCP |  | Miralix TimeOut | Unofficial |
| 3006 | TCP |  | Miralix SMS Client Connector | Unofficial |
| 3007 | TCP |  | Miralix OM Server | Unofficial |
| 3008 | TCP |  | Miralix Proxy | Unofficial |
| 3017 | TCP |  | Miralix IVR and Voicemail | Unofficial |
| 3020 | TCP | UDP | CIFS / SMB | Official |
| 3025 | TCP |  | netpd.org | Unofficial |
| 3030 | TCP | UDP | NetPanzer | Unofficial |
| 3040 | TCP | UDP | GoLabs Update Port / Project Open Cannibal Update Port | Official |
| 3050 | TCP | UDP | gds\_db (Interbase/Firebird) | Official |
| 3051 | TCP | UDP | Galaxy Server (Gateway Ticketing Systems) | Official |
|  |  |  |  |  |
| 3052 | TCP | UDP | APC PowerChute Network[1] | Official |
| 3071 | TCP | UDP | Call of Duty Black ops | Official |
| 3074 | TCP | UDP | Xbox LIVE and/or Games for Windows – Live | Official |
| 3100 | TCP |  | SMAUSA OpCon Scheduler as the default listen port | Official |
| 3101 | TCP |  | BlackBerry Enterprise Server communication to cloud | Unofficial |
| 3119 | TCP |  | D2000 Entis/Actis Application server | Official |
| 3128 | TCP |  | Web caches and the default for the Squid (software) | Unofficial |
| 3128 | TCP |  | Tatsoft default client connection | Unofficial |
| 3141 | TCP |  | devpi (https://pypi.python.org/pypi/devpi/) Python package server [62] | Unofficial |
| 3162 | TCP | UDP | Standard Floating License Manager (SFLM) | Official |
| 3180 | TCP | UDP | Human Inference Suite6 HTML | Unofficial |
| 3181 | TCP | UDP | Human Inference Suite6 HTTPS | Unofficial |
| 3182 | TCP | UDP | Human Inference Suite6 AJP | Unofficial |
| 3225 | TCP | UDP | Fiber Channel over Internet Protocol (FCIP) | Official |
| 3233 | TCP | UDP | WhiskerControl research control protocol | Official |
| 3235 | TCP | UDP | Galaxy Network Service (Gateway Ticketing Systems) | Official |
| 3260 | TCP |  | iSCSI target | Official |
| 3268 | TCP | UDP | msft­gc, Microsoft Global Catalog (LDAP service which contains data from Active Directory forests) | Official |
| 3269 | TCP | UDP | msft­gc­ssl, Microsoft Global Catalog over SSL (similar to port 3268, LDAP over SSL) | Official |
| 3283 | TCP |  | Apple Remote Desktop reporting (officially Net Assistant, referring to an earlier product) | Official |
| 3290 |  | UDP | Virtual Air Traffic Simulation network voice communication. | Unofficial |
| 3299 | TCP |  | SAP­Router (routing application proxy for SAP R/3) | Unofficial |
| 3300 | TCP | UDP | Debate Gopher backend database system | Unofficial |
| 3305 | TCP | UDP | odette­ftp, Odette File Transfer Protocol (OFTP) | Official |
| 3306 | TCP | UDP | MySQL database system | Official |
| 3313 | TCP |  | Verisys file integrity monitoring software | Unofficial |
| 3316 | TCP |  | AzimuthVMS database port for the CCTV recording software AzimuthVMS | Unofficial |
| 3323 | TCP | UDP | DECE GEODI Server | Unofficial |
| 3333 | TCP |  | Eggdrop, an IRC bot default port[63] | Unofficial |
| 3333 | TCP |  | Network Caller ID server | Unofficial |
| 3333 | TCP |  | CruiseControl.rb[64] | Unofficial |
| 3386 | TCP | UDP | GTP' 3GPP GSM/UMTS CDR logging protocol | Official |
| 3389 | TCP | UDP | Microsoft Terminal Server (RDP) officially registered as Windows Based Terminal (WBT)[65] | Official |
| 3396 | TCP | UDP | Novell NDPS Printer Agent | Official |
|  |  |  |  |  |
| 3412 | TCP | UDP | xmlBlaster | Official |
| 3455 | TCP | UDP | Reservation Protocol (RSVP) | Official |
| 3423 | TCP |  | Xware xTrm Communication Protocol | Official |
| 3424 | TCP |  | Xware xTrm Communication Protocol over SSL | Official |
| 3478 | TCP | UDP | STUN, a protocol for NAT traversal[66] | Official |
| 3478 | TCP | UDP | TURN, a protocol for NAT traversal[67] (extension to  STUN) | Official |
| 3483 |  | UDP | Slim Devices discovery protocol | Official |
| 3483 | TCP |  | Slim Devices SlimProto protocol | Official |
| 3493 | TCP | UDP | Network UPS Tools (NUT) | Official |
| 3516 | TCP | UDP | Smartcard Port | Official |
| 3527 |  | UDP | Microsoft Message Queuing | Official |
| 3535 | TCP |  | SMTP alternate[68] | Unofficial |
| 3544 |  | UDP | Teredo tunneling | Official |
| 3562 | TCP | UDP | SDBProxy Simple DataBase middle­ware and proxy | Official |
| 3605 |  | UDP | ComCam IO Port | Official |
| 3606 | TCP | UDP | Splitlock Server | Official |
| 3632 | TCP |  | Distcc, distributed compiler | Official |
| 3645 | TCP | UDP | Cyc | Official |
| 3659 |  | UDP | Battlefield 4 | Unofficial |
| 3667 | TCP | UDP | Information Exchange | Official |
| 3689 | TCP |  | Digital Audio Access Protocol (DAAP), used by Apple's iTunes and AirPort Express | Official |
| 3690 | TCP | UDP | Subversion (SVN) version control system | Official |
| 3702 | TCP | UDP | Web Services Dynamic Discovery (WS­Discovery), used by various components of Windows Vista and later | Official |
| 3724 | TCP | UDP | Some Blizzard games[45] | Official |
| 3724 | TCP |  | Club Penguin Disney online game for kids | Unofficial |
| 3725 | TCP | UDP | Netia NA­ER Port | Official |
| 3768 | TCP | UDP | RBLcheckd server daemon | Official |
| 3784 |  | UDP | Bidirectional Forwarding Detection (BFD)for IPv4 and IPv6 (Single Hop) (RFC 5881) | Official |
| 3785 |  | UDP | VoIP program used by Ventrilo | Unofficial |
| 3799 |  | UDP | RADIUS change of authorization | Official |
| 3800 | TCP |  | HGG programs | Unofficial |
| 3804 | TCP | UDP | Harman Professional HiQnet protocol | Official |
| 3825 | TCP |  | RedSeal Networks client/server connection | Unofficial |
| 3826 | TCP | UDP | WarMUX game server | Official |
| 3826 | TCP |  | RedSeal Networks client/server connection | Unofficial |
| 3835 | TCP |  | RedSeal Networks client/server connection | Unofficial |
|  |  |  |  |  |
| 3841 | TCP |  | ShipRush [69] | Official |
| 3830 | TCP | UDP | System Management Agent, developed and used by Cerner to monitor and manage solutions | Official |
| 3856 | TCP | UDP | ERP Server Application used by F10 Software | Unofficial |
| 3880 | TCP | UDP | IGRS | Official |
| 3868 | TCP | SCTP | Diameter base protocol (RFC 3588) | Official |
| 3872 | TCP |  | Oracle Enterprise Manager Remote Agent | Official |
| 3899 | TCP |  | Remote Administrator | Unofficial |
| 3900 | TCP |  | udt\_os, IBM UniData UDT OS[70] | Official |
| 3945 | TCP | UDP | EMCADS service, a Giritech product used by G/On | Official |
| 3960 |  | UDP | Warframe Online | Unofficial |
| 3962 |  | UDP | Warframe Online | Unofficial |
| 3978 | TCP | UDP | OpenTTD game (masterserver and content service) | Unofficial |
| 3979 | TCP | UDP | OpenTTD game | Unofficial |
| 3999 | TCP | UDP | Norman distributed scanning service | Official |
| 4000 | TCP | UDP | Diablo II game | Unofficial |
| 4001 | TCP |  | Microsoft Ants game | Unofficial |
| 4007 | TCP |  | PrintBuzzer printer monitoring socket server | Unofficial |
| 4018 | TCP | UDP | Protocol information and warnings | Official |
| 4035 | TCP | TCP | IBM Rational Developer for System z Remote System Explorer Daemon | Unofficial |
| 4045 | TCP | UDP | Solaris lockd NFS lock daemon/manager | Unofficial |
| 4050 | TCP |  | Mud Master Chat protocol (MMCP) ­ Peer­to­peer communications between MUD clients. [71] | Unofficial |
| 4069 |  | UDP | Minger Email Address Verification Protocol[72] | Official |
| 4089 | TCP | UDP | OpenCORE Remote Control Service | Official |
| 4090 | TCP | UDP | Kerio | Official |
| 4093 | TCP | UDP | PxPlus Client server interface ProvideX | Official |
| 4096 | TCP | UDP | Ascom Timeplex Bridge Relay Element (BRE) | Official |
| 4100 |  |  | WatchGuard authentication applet default | Unofficial |
| 4105 | TCP | UDP | Shofar (ShofarNexus) | Official |
| 4111 | TCP |  | Xgrid | Official |
| 4116 | TCP | UDP | Smartcard­TLS | Official |
| 4117 | TCP |  | WatchGuard System Manager | Unofficial |
| 4125 | TCP |  | Microsoft Remote Web Workplace administration | Unofficial |
| 4172 | TCP | UDP | Teradici PCoIP | Official |
| 4190 | TCP |  | ManageSieve[73] | Official |
| 4198 | TCP | UDP | Escapade Android app[74] | Unofficial |
| 4201 | TCP |  | TinyMUD and various derivatives | Unofficial |
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| 4226 | TCP | | UDP | Aleph One, a computer game | Unofficial |
| 4224 | TCP | |  | Cisco Audio Session Tunneling | Unofficial |
| 4242 | TCP | |  | Reverse Battle Tetris | Unofficial |
| 4242 | TCP | |  | Orthanc DICOM default | Unofficial |
| 4242 | TCP | |  | Quassel distributed IRC client | Unofficial |
| 4243 | TCP | |  | Docker implementations, redistributions, and setups default [75][76][77] | Unofficial |
| 4243 | TCP | |  | CrashPlan | Unofficial |
| 4303 | TCP | | UDP | Simple Railroad Command Protocol (SRCP) | Official |
| 4321 | TCP | |  | Referral Whois (RWhois) Protocol[78] | Official |
| 4323 |  | | UDP | Lincoln Electric's ArcLink/XT | Unofficial |
| 4352 | TCP | |  | PJLink, by JBMIA for controlling projectors via LAN connections | Official |
| 4443 | TCP | | UDP | Individual Zone Solutions P/L Remote Mail Checking Protocol | Official |
| 4444 | TCP | | UDP | Oracle WebCenter Content: Content Server—Intradoc  Socket port. (formerly known as Oracle Universal Content  Management). Port though often changed during installation Metasploit: Default listener port | Unofficial |
| 4444 | TCP | | UDP | Xvfb X server virtual frame buffer service | Unofficial |
| 4444–  4445 | TCP | |  | I2P HTTP/S proxy | Unofficial |
| 4486 | TCP | | UDP | Integrated Client Message Service (ICMS) | Official |
| 4500 |  | | UDP | IPSec NAT Traversal (RFC 3947) | Official |
| 4502–  4534 | TCP | |  | Microsoft Silverlight connectable ports under non­elevated trust | Official |
| 4505–  4506 | TCP | |  | Salt master | Unofficial |
| 4534 |  | | UDP | Armagetron Advanced server default | Unofficial |
| 4554 | TCP | |  | Default Wesk[79] Self­Hosting Port | Unofficial |
| 4560 | TCP | |  | default Log4j socketappender port | Unofficial |
| 4567 | TCP | |  | Sinatra default server port in development mode (HTTP) | Unofficial |
| 4569 |  | | UDP | Inter­Asterisk eXchange (IAX2) | Official |
| 4604 | TCP | |  | Identity Registration Protocol | Official |
| 4605 | TCP | |  | Direct End to End Secure Chat Protocol | Official |
| 4610–  4640 | TCP | |  | QualiSystems TestShell Suite Services | Unofficial |
| 4662 | TCP | | UDP | OrbitNet Message Service | Official |
| 4662 | TCP | |  | Default for older versions of eMule[80] | Unofficial |
| 4664 | TCP | |  | Google Desktop Search | Unofficial |
| 4672 |  | | UDP | Default for older versions of eMule[80] | Unofficial |
|  |  | |  |  |  |
| 4711 | TCP | |  | eMule optional web interface[80] | Unofficial |
| 4711 | TCP | |  | McAfee Web Gateway 7 GUI HTTP default | Unofficial |
| 4712 | TCP | |  | McAfee Web Gateway 7 GUI HTTPS default | Unofficial |
| 4713 | TCP | |  | PulseAudio sound server | Unofficial |
| 4728 | TCP | |  | Computer Associates Desktop and Server Management (DMP)/Port Multiplexer [81] | Official |
| 4729 |  | | UDP | GSMTAP[1][82] | Official |
| 4730 | TCP | | UDP | Gearman's job server | Official |
| 4732 |  | | UDP | Digital Airways's OHM server's commands to mobile devices (used mainly for binary SMS) | Official |
| 4739 | TCP | | UDP | IP Flow Information Export | Official |
| 4747 | TCP | |  | Apprentice | Unofficial |
| 4750 | TCP | |  | BladeLogic Agent | Unofficial |
| 4753 | TCP | | UDP | SIMON (service and discovery) | Official |
| 4789 |  | | UDP | Virtual eXtensible Local Area Network (VXLAN)[83] | Official |
| 4840 | TCP | | UDP | OPC UA TCP Protocol for OPC Unified Architecture from OPC Foundation | Official |
| 4843 | TCP | | UDP | OPC UA TCP Protocol over TLS/SSL for OPC Unified Architecture from OPC Foundation | Official |
| 4847 | TCP | | UDP | Web Fresh Communication, Quadrion Software & Odorless Entertainment | Official |
| 4848 | TCP | |  | Java, Glassfish Application Server administration default | Unofficial |
| 4894 | TCP | | UDP | LysKOM Protocol A | Official |
| 4899 | TCP | | UDP | Radmin remote administration tool | Official |
| 4949 | TCP | |  | Munin Resource Monitoring Tool | Official |
| 4950 | TCP | | UDP | Cylon Controls UC32 Communications Port | Official |
| 4982 | TCP | | UDP | Solar Data Log (JK client app for PV solar inverters) | Unofficial |
| 4993 | TCP | | UDP | Home FTP Server web Interface Default Port | Unofficial |
| 5000 | TCP | |  | commplex­main | Official |
| 5000 | TCP | |  | UPnP—Windows network device interoperability | Unofficial |
| 5000 | TCP | | UDP | VTun, VPN Software | Unofficial |
| 5000 |  | | UDP | FlightGear multiplayer[84] | Unofficial |
| 5000 | TCP | |  | Synology Inc. Management Console, File Station, Audio Station | Unofficial |
| 5000 | TCP | |  | Flask Development Webserver | Unofficial |
| 5000 | TCP | |  | Heroku console access | Official |
| 5001 | TCP | |  | commplex­link | Official |
| 5001 | TCP | |  | Slingbox and Slingplayer | Unofficial |
| 5001 | TCP | | UDP | Iperf (Tool for measuring TCP and UDP bandwidth performance) | Unofficial |
| 5001 | TCP | |  | Synology Inc. Secured Management Console, File Station, | Unofficial |
|  |  |  |  | Audio Station |  |
| 5002 | TCP |  |  | ASSA ARX access control system[85] | Unofficial |
| 5002 |  |  | UDP | Drobo Dashboard[86] | Unofficial |
| 5003 | TCP |  | UDP | FileMaker | Official |
| 5004 |  | TCP DCCP | UDP | Real­time Transport Protocol media data (RTP) (RFC 3551, RFC 4571) | Official |
| 5005 |  | TCP DCCP | UDP | Real­time Transport Protocol control protocol (RTCP) (RFC 3551, RFC 4571) | Official |
| 5010 | TCP |  | UDP | Registered to: TelePath (the IBM FlowMark workflowmanagement system messaging platform)[87] The TCP port is now used for: IBM WebSphere MQ Workflow | Official |
| 5011 | TCP |  | UDP | TelePath (the IBM FlowMark workflow­management system messaging platform) [87] | Official |
| 5029 | TCP |  |  | Sonic Robo Blast 2 (http://www.srb2.org/) : Multiplayer[88] | Unofficial |
| 5031 | TCP |  | UDP | AVM CAPI­over­TCP (ISDN over Ethernet tunneling) | Unofficial |
| 5037 | TCP |  |  | Android ADB server | Unofficial |
| 5048 | TCP |  |  | Texai Message Service | Official |
| 5050 | TCP |  |  | Yahoo! Messenger | Unofficial |
| 5051 | TCP |  |  | ita­agent Symantec Intruder Alert[89] | Official |
| 5060 | TCP |  | UDP | Session Initiation Protocol (SIP) | Official |
| 5061 | TCP |  |  | Session Initiation Protocol (SIP) over TLS | Official |
| 5062 | TCP |  | UDP | Localisation access | Official |
| 5064 | TCP |  | UDP | EPICS Channel Access  (http://www.aps.anl.gov/epics/base/R3­14/12docs/CAref.html#port) Server[90] | Official |
| 5065 | TCP |  | UDP | EPICS Channel Access  (http://www.aps.anl.gov/epics/base/R3­14/12docs/CAref.html#port) Repeater Beacon[91] | Official |
| 5070 | TCP |  |  | Binary Floor Control Protocol (BFCP)[92] | Unofficial |
| 5082 | TCP |  | UDP | Qpur Communication Protocol | Official |
| 5083 | TCP |  | UDP | Qpur File Protocol | Official |
| 5084 | TCP |  | UDP | EPCglobal Low Level Reader Protocol (LLRP) | Official |
| 5085 | TCP |  | UDP | EPCglobal Low Level Reader Protocol (LLRP) over TLS | Official |
| 5093 |  |  | UDP | SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, client­to­server | Official |
| 5099 | TCP |  | UDP | SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, server­to­server | Official |
| 5104 | TCP |  |  | IBM Tivoli Framework NetCOOL/Impact[93] HTTP Service | Unofficial |
| 5106 | TCP |  |  | A­Talk Common connection | Unofficial |
| 5107 | TCP |  |  | A­Talk Remote server connection | Unofficial |
| 5108 | TCP |  |  | VPOP3 Mail Server Webmail | Unofficial |
|  |  |  |  |  |  |
| 5109 | TCP | | UDP | VPOP3 Mail Server Status | Unofficial |
| 5110 | TCP | |  | ProRat Server | Unofficial |
| 5121 | TCP | |  | Neverwinter Nights | Unofficial |
| 5124 | TCP | | UDP | TorgaNET (Micronational Darknet) | Unofficial |
| 5125 | TCP | | UDP | TorgaNET (Micronational Intelligence Darknet) | Unofficial |
| 5150 | TCP | | UDP | ATMP Ascend Tunnel Management Protocol[94] | Official |
| 5150 | TCP | | UDP | Malware Cerberus RAT | Unofficial |
| 5151 | TCP | |  | ESRI SDE Instance | Official |
| 5151 |  | | UDP | ESRI SDE Remote Start | Official |
| 5154 | TCP | | UDP | BZFlag | Official |
| 5176 | TCP | |  | ConsoleWorks default UI interface | Unofficial |
| 5190 | TCP | |  | ICQ and AOL Instant Messenger | Official |
| 5222 | TCP | |  | Extensible Messaging and Presence Protocol (XMPP) client connection [95][96] | Official |
| 5223 | TCP | |  | Extensible Messaging and Presence Protocol (XMPP) client connection over SSL | Unofficial |
| 5228 | TCP | |  | HP Virtual Room Service | Official |
| 5228 | TCP | |  | Google Play, Android Cloud to Device Messaging Service, Google Cloud Messaging | Unofficial |
| 5246 |  | | UDP | Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP control [97] | Official |
| 5247 |  | | UDP | Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data [97] | Official |
| 5269 | TCP | |  | Extensible Messaging and Presence Protocol (XMPP) server­to­server connection [95][96] | Official |
| 5280 | TCP | |  | Extensible Messaging and Presence Protocol (XMPP) XEP­  0124: Bidirectional­streams Over Synchronous HTTP  (BOSH) (http://xmpp.org/extensions/xep­0124.html) | Official |
| 5281 | TCP | |  | Undo License Manager | Official |
| 5281 | TCP | |  | Extensible Messaging and Presence Protocol (XMPP)[98] | Unofficial |
| 5298 | TCP | | UDP | Extensible Messaging and Presence Protocol (XMPP)[99] | Official |
| 5310 | TCP | | UDP | Outlaws (1997 video game). Both UDP and TCP are reserved, but only UDP is used | Official |
| 5349 | TCP | |  | STUN (TLS over TCP), a protocol for NAT traversal[66] | Official |
| 5349 | TCP | |  | TURN (TLS over TCP), a protocol for NAT traversal[67] | Official |
| 5351 | TCP | | UDP | NAT Port Mapping Protocol—client­requested configuration for inbound connections through network address translators | Official |
| 5353 |  | | UDP | Multicast DNS (mDNS) | Official |
| 5355 | TCP | | UDP | Link­Local Multicast Name Resolution (LLMNR), allows hosts to perform name resolution for hosts on the same local link (only provided by Windows Vista and Server 2008) | Official |
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| 5357 | TCP | UDP | Web Services for Devices (WSDAPI) (only provided by Windows Vista, Windows 7 and Server 2008) | Unofficial |
| 5358 | TCP | UDP | WSDAPI Applications to Use a Secure Channel (only provided by Windows Vista, Windows 7 and Server 2008) | Unofficial |
| 5394 |  | UDP | Kega Fusion, a Sega multi­console emulator[100][101] | Unofficial |
| 5402 | TCP | UDP | mftp, Stratacache[102] OmniCast  (http://stratacache.com/1!\_omnicast.html) content delivery system MFTP file sharing protocol | Official |
| 5405 | TCP | UDP | NetSupport Manager | Official |
| 5412 | TCP | UDP | IBM Rational Synergy (Telelogic Synergy) (Continuus CM) Message Router | Official |
| 5413 | TCP | UDP | Wonderware SuiteLink service | Official |
| 5417 | TCP | UDP | SNS Agent | Official |
| 5421 | TCP | UDP | NetSupport Manager | Official |
| 5432 | TCP | UDP | PostgreSQL database system | Official |
| 5433 | TCP |  | Bouwsoft file/webserver[103] | Unofficial |
| 5445 |  | UDP | Cisco Unified Video Advantage | Unofficial |
| 5450 | TCP |  | OSIsoft PI Server Client Access | Unofficial |
| 5454 | TCP |  | OSIsoft PI Asset Framework 1.x Client Access | Unofficial |
| 5455 | TCP |  | OSIsoft PI Asset Framework 1.x Client Access | Unofficial |
| 5457 | TCP |  | OSIsoft PI Asset Framework 2.x Client Access | Unofficial |
| 5458 | TCP |  | OSIsoft PI Notifications Client Access | Unofficial |
| 5459 | TCP |  | OSIsoft PI Asset Framework 2.x Client Access | Unofficial |
| 5463 | TCP |  | OSIsoft PI Asset Based Analytics | Unofficial |
| 5468 | TCP |  | OSIsoft PI Event Driven Notifications Client Access | Unofficial |
| 5480 | TCP |  | VMware VAMI (Virtual Appliance Management Infrastructure)—used for initial setup of various administration settings on Virtual Appliances designed using the VAMI architecture. | Unofficial |
| 5481 | TCP |  | Schneider Electric's ClearSCADA (SCADA implementation  for Windows) — used for client­to­server communication.[104] | Unofficial |
| 5495 | TCP |  | IBM Cognos TM1 Admin server | Unofficial |
| 5498 | TCP |  | Hotline tracker server connection | Unofficial |
| 5499 |  | UDP | Hotline tracker server discovery | Unofficial |
| 5500 | TCP |  | VNC remote desktop protocol—for incoming listening viewer, Hotline control connection | Unofficial |
| 5501 | TCP |  | Hotline file transfer connection | Unofficial |
| 5517 | TCP |  | Setiqueue Proxy server client for SETI@Home project | Unofficial |
| 5550 | TCP |  | Hewlett­Packard Data Protector | Unofficial |
| 5555 | TCP | UDP | Oracle WebCenter Content: Inbound Refinery—Intradoc  Socket port. (formerly known as Oracle Universal Content  Management). Port though often changed during installation | Unofficial |
| 5555 | TCP |  | Freeciv versions up to 2.0, Hewlett­Packard Data Protector,  McAfee EndPoint Encryption Database Server, SAP, Default for Microsoft Dynamics CRM 4.0 | Unofficial |
| 5556 | TCP | UDP | Freeciv, Oracle WebLogic Server Node Manager[105] | Official |
| 5591 | TCP |  | Default for Tidal Enterprise Scheduler master­Socket used for communication between Agent­to­Master, though can be changed | Unofficial |
| 5631 | TCP |  | pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later [106])[107] data | Official |
| 5632 |  | UDP | pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status | Official |
| 6541 | TCP |  | MirrorOp2 (default) | Unofficial |
| 6542 | TCP |  | MirrorOp2 (fallback) | Unofficial |
| 5656 | TCP |  | IBM Lotus Sametime p2p file transfer | Unofficial |
| 5666 | TCP |  | NRPE (Nagios) | Unofficial |
| 5667 | TCP |  | NSCA (Nagios) | Unofficial |
| 5670 | TCP |  | FILEMQ ZeroMQ File Message Queuing Protocol | Official |
| 5670 |  | UDP | ZRE­DISC ZeroMQ Realtime Exchange Protocol (Discovery) | Official |
| 5672 | TCP |  | AMQP[108] | Official |
| 5678 |  | UDP | Mikrotik RouterOS Neighbor Discovery Protocol (MNDP) | Unofficial |
| 5683 |  | UDP | Constrained Application Protocol (CoAP) | Official |
| 5718 | TCP |  | Microsoft DPM Data Channel (with the agent coordinator) | Unofficial |
| 5719 | TCP |  | Microsoft DPM Data Channel (with the protection agent) | Unofficial |
| 5721 | TCP | UDP | Kaseya | Unofficial |
| 5723 | TCP |  | System Center Operations Manager[109] | Unofficial |
| 5724 | TCP |  | Operations Manager Console | Unofficial |
| 5741 | TCP | UDP | IDA Discover Port 1 | Official |
| 5742 | TCP | UDP | IDA Discover Port 2 | Official |
| 5800 | TCP |  | VNC remote desktop protocol over HTTP | Unofficial |
| 5814 | TCP | UDP | Hewlett­Packard Support Automation (HP OpenView SelfHealing Services) | Official |
| 5850 | TCP |  | COMIT SE (PCR) | Unofficial |
| 5852 | TCP |  | Adeona client: communications to OpenDHT | Unofficial |
| 5881 | TCP |  | SAP Americas Cockpit Framework | Unofficial |
| 5900 | TCP | UDP | Remote Frame Buffer protocol (RFB), Virtual Network Computing (VNC) remote desktop protocol [110] | Official |
| 5912 | TCP |  | Tidal Enterprise Scheduler agent default, for Master­toAgent | Unofficial |
| 5931 | TCP | UDP | AMMYY admin Remote Control | Official |
| 5938 | TCP | UDP | TeamViewer remote desktop protocol[111] | Unofficial |
|  |  |  |  |  |
| 5984 | TCP | UDP | CouchDB database server | Official |
| 5985 | TCP |  | Windows PowerShell Default psSession Port[112] | Official |
| 5986 | TCP |  | Windows PowerShell Default psSession Port[112] | Official |
| 5988–  5989 | TCP |  | CIM XML transactions over HTTP/S—VMware vCenter ESXi management[113] | Unofficial |
| 5999 | TCP |  | CVSup file update tool[114] | Official |
| 6000­  6063 | TCP | UDP | X11—used between an X client and server over the network | Official |
| 6005 | TCP |  | Default for BMC Software Control­M/Server—Socket used for communication between Control­M processes—though often changed during installation | Unofficial |
| 6005 | TCP |  | Default for Camfrog chat & cam client | Unofficial |
| 6009 | TCP |  | JD Edwards EnterpriseOne ERP system JDENet messaging client listener | Unofficial |
| 6050 | TCP |  | Arcserve backup | Unofficial |
| 6050 | TCP |  | Nortel software | Unofficial |
| 6051 | TCP |  | Arcserve backup | Unofficial |
| 6072 | TCP |  | iOperator Protocol Signal Port | Unofficial |
| 6086 | TCP |  | Peer Distributed Transfer Protocol (PDTP), FTP like file server in a P2P network | Official |
| 6100 | TCP |  | Vizrt System | Unofficial |
| 6100 | TCP |  | Ventrilo authentication for version 3 | Official |
| 6101 | TCP |  | Backup Exec Agent Browser | Unofficial |
| 6110 | TCP | UDP | softcm, HP Softbench CM | Official |
| 6111 | TCP | UDP | spc, HP Softbench Sub­Process Control | Official |
| 6112 | TCP | UDP | dtspcd, execute commands and launch applications remotely | Official |
| 6112 | TCP |  | Blizzard's Battle.net gaming service and some games,[45] ArenaNet gaming service, Relic gaming service | Unofficial |
| 6112 | TCP |  | Club Penguin Disney online game for kids | Unofficial |
| 6113 | TCP |  | Club Penguin Disney online game for kids, Used by some Blizzard games [45] | Unofficial |
| 6129 | TCP |  | DameWare Remote Control | Official |
| 6159 | TCP |  | ARINC 840 EFB Application Control Interface | Official |
| 6200 | TCP |  | Oracle WebCenter Content Portable: Content Server (With Native UI) and Inbound Refinery | Unofficial |
| 6201 | TCP |  | Oracle WebCenter Content Portable: Admin | Unofficial |
| 6225 | TCP |  | Oracle WebCenter Content Portable: Content Server Web UI | Unofficial |
| 6227 | TCP |  | Oracle WebCenter Content Portable: JavaDB | Unofficial |
| 6230 | TCP |  | Codenger Dev Server (http://codenger.com/) | Unofficial |
| 6240 | TCP |  | Oracle WebCenter Content Portable: Capture | Unofficial |
|  |  |  |  |  |
| 6244 | TCP | UDP | Oracle WebCenter Content Portable: Content Server— Intradoc Socket port | Unofficial |
| 6255 | TCP | UDP | Oracle WebCenter Content Portable: Inbound Refinery— Intradoc Socket port | Unofficial |
| 6257 |  | UDP | WinMX (see also 6699) | Unofficial |
| 6260 | TCP | UDP | planet M.U.L.E. | Unofficial |
| 6262 | TCP |  | Sybase Advantage Database Server | Unofficial |
| 6324 | TCP | UDP | Hall Research (http://www.hallresearch.com/) Device discovery and configuration | Official |
| 6343 |  | UDP | SFlow, sFlow traffic monitoring | Official |
| 6346 | TCP | UDP | gnutella­svc, gnutella (FrostWire, Limewire, Shareaza, etc.) | Official |
| 6347 | TCP | UDP | gnutella­rtr, Gnutella alternate | Official |
| 6350 | TCP | UDP | App Discovery and Access Protocol | Official |
| 6379 | TCP |  | Redis key­value data store | Official |
| 6389 | TCP |  | EMC CLARiiON | Unofficial |
| 6432 | TCP |  | PgBouncer—A connection pooler for PostgreSQL | Official |
| 6436 | TCP |  | Leap Motion Websocket Server TLS | Unofficial |
| 6437 | TCP |  | Leap Motion Websocket Server | Unofficial |
| 6444 | TCP | UDP | Sun Grid Engine Qmaster Service | Official |
| 6445 | TCP | UDP | Sun Grid Engine Execution Service | Official |
| 6513 | TCP |  | NETCONF over TLS | Official |
| 6514 | TCP |  | Syslog over TLS[115] | Official |
| 6502 | TCP | UDP | Netop Remote Control | Unofficial |
| 6515 | TCP | UDP | Elipse RPC Protocol (REC) | Official |
| 6522 | TCP |  | Gobby (and other libobby­based software) | Unofficial |
| 6523 | TCP |  | Gobby 0.5 (and other libinfinity­based software) | Unofficial |
| 6543 | TCP |  | Pylons project#Pyramid Default Pylons Pyramid web service port | Unofficial |
| 6543 |  | UDP | Paradigm Research & Development (http://www.prd.com/index.html) Jetnet [116] default | Unofficial |
| 6556 | TCP |  | Check MK Agent | Unofficial |
| 6566 | TCP |  | SANE (Scanner Access Now Easy)—SANE network scanner daemon [117] | Official |
| 6560–  6561 | TCP |  | Speech­Dispatcher daemon | Unofficial |
| 6571 |  |  | Windows Live FolderShare client | Unofficial |
| 6600 | TCP |  | Microsoft Hyper­V Live | Official |
| 6600 | TCP |  | Music Player Daemon (MPD) | Unofficial |
| 6601 | TCP |  | Microsoft Forefront Threat Management Gateway | Official |
| 6602 | TCP |  | Microsoft Windows WSS Communication | Official |
| 6619 | TCP | UDP | odette­ftps, Odette File Transfer Protocol (OFTP) over TLS/SSL | Official |
|  |  |  |  |  |
| 6622 | TCP | UDP | Multicast FTP | Official |
| 6646 |  | UDP | McAfee Network Agent | Unofficial |
| 6653 | TCP |  | Openflow 1.3 | Official |
| 6660–  6664 | TCP |  | Internet Relay Chat (IRC) | Unofficial |
| 6665–  6669 | TCP |  | Internet Relay Chat (IRC) | Official |
| 6679 | TCP | UDP | Osorno Automation Protocol (OSAUT) | Official |
| 6679 | TCP |  | IRC SSL (Secure Internet Relay Chat)—often used | Unofficial |
| 6690 | TCP |  | Synology Cloud station | Unofficial |
| 6697 | TCP |  | IRC SSL (Secure Internet Relay Chat)—often used | Official |
| 6699 | TCP |  | WinMX (see also 6257) | Unofficial |
| 6702 | TCP |  | Default for Tidal Enterprise Scheduler client­Socket used for communication between Client­to­Master, though can be changed | Unofficial |
| 6715 | TCP |  | AberMUD and derivatives default port | Unofficial |
| 6771 |  | UDP | Polycom server broadcast | Unofficial |
| 6783–  6785 | TCP |  | Splashtop Remote server broadcast | Unofficial |
| 6789 | TCP |  | Campbell Scientific Loggernet Software[118] | Unofficial |
| 6789 | TCP |  | Bucky's Instant Messaging Program | Unofficial |
| 6869 | TCP |  | Derandom default server | Unofficial |
| 6881–  6887 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6888 | TCP | UDP | MUSE | Official |
| 6888 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6889–  6890 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6891–  6900 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6891–  6900 | TCP | UDP | Windows Live Messenger (File transfer) | Unofficial |
| 6901 | TCP | UDP | Windows Live Messenger (Voice) | Unofficial |
| 6901 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6902–  6968 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 6969 | TCP | UDP | acmsoda | Official |
| 6969 | TCP |  | BitTorrent tracker | Unofficial |
| 6970–  6999 | TCP | UDP | BitTorrent part of full range of ports used most often | Unofficial |
| 7000 | TCP |  | Default for Vuze's built in HTTPS Bittorrent Tracker | Unofficial |
| 7000 | TCP |  | Avira Server Management Console | Unofficial |
|  |  |  |  |  |
| 7001 | TCP |  | Avira Server Management Console | Unofficial |
| 7001 | TCP |  | Default for BEA WebLogic Server's HTTP server, though often changed during installation | Unofficial |
| 7002 | TCP |  | Default for BEA WebLogic Server's HTTPS server, though often changed during installation | Unofficial |
| 7005 | TCP |  | Default for BMC Software Control­M/Server and ControlM/Agent for Agent­to­Server, though often changed during installation | Unofficial |
| 7006 | TCP |  | Default for BMC Software Control­M/Server and ControlM/Agent for Server­to­Agent, though often changed during installation | Unofficial |
| 7010 | TCP |  | Default for Cisco AON AMC (AON Management Console) [119] | Unofficial |
| 7022 | TCP |  | Database mirroring endpoints[120] | Unofficial |
| 7023 |  | UDP | Bryan Wilcutt T2­NMCS Protocol for SatCom Modems | Official |
| 7025 | TCP |  | Zimbra LMTP [mailbox]—local mail delivery | Unofficial |
| 7047 | TCP |  | Zimbra conversion server | Unofficial |
| 7080 |  |  | Sepialine Argos Communications port | Unofficial |
| 7133 | TCP |  | Enemy Territory: Quake Wars | Unofficial |
| 7144 | TCP |  | Peercast | Unofficial |
| 7145 | TCP |  | Peercast | Unofficial |
| 7171 | TCP |  | Tibia | Unofficial |
| 7262 | TCP | UDP | CNAP (Calypso Network Access Protocol) | Official |
| 7272 | TCP | UDP | WatchMe ­ WatchMe Monitoring | Official |
| 7306 | TCP |  | Zimbra mysql [mailbox] | Unofficial |
| 7307 | TCP |  | Zimbra mysql [logger] | Unofficial |
| 7312 |  | UDP | Sibelius License Server | Unofficial |
| 7396 | TCP |  | Web control interface for Folding@home v7.3.6 and later [121] | Unofficial |
| 7400 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS Discovery | Official |
| 7401 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS User­Traffic | Official |
| 7402 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS Meta­Traffic | Official |
| 7471 | TCP |  | Stateless Transport Tunneling (STT) | Unofficial |
| 7473 | TCP |  | Rise: The Vieneo Province | Official |
| 7474 | TCP |  | Neo4J Server webadmin[122] | Official |
| 7509 | TCP |  | ACPLT ­ process automation service | Official |
| 7547 | TCP | UDP | CPE WAN Management Protocol (CWMP) Technical Report 069 | Official |
| 7575 |  | UDP | Populous: The Beginning server | Unofficial |
| 7624 | TCP | UDP | Instrument Neutral Distributed Interface | Official |
| 7631 | TCP |  | ERLPhase | Official |
| 7634 | TCP |  | hddtemp—Utility to monitor hard drive temperature | Unofficial |
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| 7652–  7654 | TCP |  | I2P anonymizing overlay network | Unofficial |
| 7655 |  | UDP | I2P SAM Bridge Socket API | Unofficial |
| 7656–  7660 | TCP |  | I2P anonymizing overlay network | Unofficial |
| 7670 | TCP |  | BrettspielWelt BSW Boardgame Portal | Unofficial |
| 7676 | TCP |  | Aqumin AlphaVision Remote Command Interface | Unofficial |
| 7700 |  | UDP | P2P DC (RedHub) | Unofficial |
| 7707–  7708 |  | UDP | Killing Floor | Unofficial |
| 7717 |  | UDP | Killing Floor | Unofficial |
| 7777 | TCP |  | iChat server file transfer proxy | Unofficial |
| 7777 | TCP |  | Oracle Cluster File System 2 | Unofficial |
| 7777 | TCP |  | Windows backdoor program tini.exe default | Unofficial |
| 7777 | TCP |  | Just Cause 2: Multiplayer Mod Server | Unofficial |
| 7777 | TCP |  | Xivio default Chat Server | Unofficial |
| 7777 | TCP |  | Terraria default server | Unofficial |
| 7777 |  | UDP | San Andreas Multiplayer (SA­MP) default port server | Unofficial |
| 7778 | TCP |  | Bad Trip MUD (http://www.badtripmud.com/) | Unofficial |
| 7777–  7788 | TCP | UDP | Unreal Tournament series default server | Unofficial |
| 7787–  7788 | TCP |  | GFI EventsManager 7 & 8 | Official |
| 7831 | TCP |  | Default used by Smartlaunch Internet Cafe Administration [123] software | Unofficial |
| 7880 | TCP | UDP | PowerSchool Gradebook Server | Unofficial |
| 7890 | TCP |  | Default that will be used by the iControl Internet Cafe Suite Administration software | Unofficial |
| 7915 | TCP |  | Default for YSFlight server[124] | Unofficial |
| 7935 | TCP |  | Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb).[125] | Unofficial |
| 7937–  9936 | TCP | UDP | EMC 2 (Legato) Networker or Sun Solstice Backup | Official |
| 8000 | TCP | UDP | iRDMI (Intel Remote Desktop Management Interface)[126] —sometimes erroneously used instead of port 8080 | Official |
| 8000 | TCP |  | Commonly used for Internet radio streams such as SHOUTcast | Unofficial |
| 8000 | TCP |  | Splunk web­interface | Unofficial |
| 8000 | TCP |  | FreemakeVideoCapture service (part of Freemake Video Downloader)[127] | Unofficial |
| 8000 | TCP |  | DynamoDB Local[128] | Unofficial |
|  |  |  |  |  |
| 8000 | TCP |  | Nortel Contivity Router Firewall User Authentication (FWUA) default port number | Unofficial |
| 8000 | TCP |  | frePPLe (http://frepple.com) ­ open source production planning default port number | Unofficial |
| 8001 | TCP |  | Commonly used for Internet radio streams such as SHOUTcast | Unofficial |
| 8002 | TCP |  | Cisco Systems Unified Call Manager Intercluster | Unofficial |
| 8005 | TCP |  | Apache Tomcat's Shutdown port | Unofficial |
| 8006 | TCP |  | Dell AppAssure 5 API and Replication[129] | Official |
| 8007 | TCP |  | Dell AppAssure 5 Engine[129] | Official |
| 8008 | TCP |  | HTTP Alternate | Official |
| 8008 | TCP |  | IBM HTTP Server administration default | Unofficial |
| 8009 | TCP |  | ajp13—Apache JServ Protocol AJP Connector | Unofficial |
| 8010 | TCP |  | XMPP File transfers | Unofficial |
| 8011–  8013 | TCP |  | HTTP/TCP Symon Communications Event and Query Engine | Unofficial |
| 8014 | TCP |  | HTTP/TCP Symon Communications Event and Query Engine | Unofficial |
| 8014 | TCP | UDP | Perseus SDR Receiver  (http://www.microtelecom.it/perseus/) default remote connection port | Unofficial |
| 8020 | TCP |  | 360Works SuperContainer  (http://360works.com/supercontainer/) [130] | Unofficial |
| 8042 | TCP |  | Orthanc—Default HTTP Port for GUI | Unofficial |
| 8069 | TCP |  | OpenERP Default HTTP port (web interface and xmlrpc calls) | Unofficial |
| 8070 | TCP |  | OpenERP Legacy netrpc protocol | Unofficial |
| 8074 | TCP |  | Gadu­Gadu | Unofficial |
| 8075 | TCP |  | Killing Floor | Unofficial |
| 8078 | TCP | UDP | Default port for most Endless Online­based servers | Unofficial |
| 8080 | TCP |  | HTTP alternate (http\_alt)—commonly used for Web proxy and caching server, or for running a Web server as a nonroot user | Official |
| 8080 | TCP |  | Apache Tomcat | Unofficial |
| 8080 | TCP |  | M2MLogger (http://www.m2mlogger.com/) WebFRONT Cloud connector | Unofficial |
| 8080 | TCP |  | Atlassian Jira (default port) [131] | Unofficial |
| 8080 |  | UDP | FilePhile Master/Relay | Unofficial |
| 8080 | TCP |  | Vermont Systems / RecTrac Vermont Systems RecTrac (WebTrac) network installer | Unofficial |
| 8081 | TCP |  | HTTP alternate, VibeStreamer, e.g. McAfee ePolicy Orchestrator (ePO) | Unofficial |
| 8083 |  | UDP | Transporter Connected Data, Inc. | Unofficial |
|  |  |  |  |  |
| 8085 |  | TCP/UDP | Wiki Service uses TCP (Mac OS X Server v10.5 and later) / inSpeak Communicator uses both TCP/UDP. | Unofficial |
| 8085 |  | UDP | Some Blizzard games. Used in World of Warcraft for ingame world communication. | Unofficial |
| 8086 | TCP |  | HELM Web Host Automation Windows Control Panel | Unofficial |
| 8086 | TCP |  | Kaspersky AV Control Center | Unofficial |
| 8087 | TCP |  | Hosting Accelerator Control Panel | Unofficial |
| 8087 | TCP |  | Parallels Plesk Control Panel | Unofficial |
| 8087 |  | UDP | Kaspersky AV Control Center | Unofficial |
| 8088 | TCP |  | Asterisk (PBX) Web Configuration utility (GUI Addon) | Unofficial |
| 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. | Unofficial |
| 8089 | TCP |  | AVM Fritzbox for automatic tr069 configuration. | Unofficial |
| 8090 | TCP |  | Atlassian Confluence (default port) [131] | Unofficial |
| 8090 | TCP |  | Coral Content Distribution Network (deprecated; 80 and 8080 now supported) [132] | Unofficial |
| 8090 | TCP |  | EasyLog (http://www.rizhiyi.com/) Web Application | Unofficial |
| 8091 | TCP |  | CouchBase Web Administration | Unofficial |
| 8092 | TCP |  | CouchBase API | Unofficial |
| 8100 | TCP |  | Console Gateway License Verification | Unofficial |
| 8111 | TCP |  | JOSM Remote Control | Unofficial |
| 8112 | TCP |  | PAC Pacifica Coin | Unofficial |
| 8116 |  | UDP | Check Point Cluster Control Protocol | Unofficial |
| 8118 | TCP |  | Privoxy—advertisement­filtering Web proxy | Official |
| 8123 | TCP |  | Polipo Web proxy | Official |
| 8123 | TCP |  | Bukkit DynMap Default Webserver Bind Address | Unofficial |
| 8139 | TCP |  | Puppet (software) Client agent | Unofficial |
| 8140 | TCP |  | Puppet (software) Master server | Unofficial |
| 8172 | TCP |  | Microsoft Remote Administration for IIS Manager[133] | Unofficial |
| 8176 | TCP |  | Indigo Domotics (http://www.indigodomo.com/) Indigo (http://www.indigodomo.com/) Home automation server— control access | Unofficial |
| 8180 | TCP |  | EasyLog (http://www.rizhiyi.com/) server—management and monitoring | Unofficial |
| 8184 | TCP |  | NCSA Brown Dog Data Access Proxy | Unofficial |
| 8192–  8194 | TCP |  | Sophos Remote Management System | Unofficial |
| 8194 | TCP |  | Bloomberg Application[1] | Official |
| 8195 | TCP |  | Bloomberg Application | Unofficial |
| 8200 | TCP |  | GoToMyPC | Unofficial |
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| 8222 | TCP |  | VMware Server Management User Interface[134] (insecure Web interface).[135] See also port 8333 | Unofficial |
| 8243 | TCP | UDP | HTTPS listener for Apache Synapse[136] | Official |
| 8245 | TCP |  | Dynamic DNS for at least No­IP and DyDNS[137] | Unofficial |
| 8280 | TCP | UDP | HTTP listener for Apache Synapse[136] | Official |
| 8281 | TCP |  | HTTP Listener for Gatecraft Plugin | Unofficial |
| 8291 | TCP |  | Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS [138] | Unofficial |
| 8303 |  | UDP | Teeworlds Server | Unofficial |
| 8330 | TCP |  | MultiBit HD, [1] (https://multibit.org/) | Unofficial |
| 8331 | TCP |  | MultiBit, [2] (https://multibit.org/) | Unofficial |
| 8332 | TCP |  | Bitcoin JSON­RPC server[139] | Unofficial |
| 8333 | TCP |  | Bitcoin[140] | Unofficial |
| 8333 | TCP |  | VMware Server Management User Interface[134] (secure Web interface). [135] See also port 8222 | Unofficial |
| 8337 | TCP |  | VisualSVN Distributed File System Service (VDFS)[141] | Unofficial |
| 8384 | TCP |  | Syncthing web GUI | Unofficial |
| 8400 | TCP | UDP | cvp, CommVault Unified Data Management | Official |
| 8442 | TCP | UDP | CyBro A­bus, Cybrotech Ltd.  (http://www.cybrotech.co.uk/) | Official |
| 8443 | TCP |  | SW Soft Plesk Control Panel, Apache Tomcat SSL, Promise WebPAM SSL, McAfee ePolicy Orchestrator (ePO) | Unofficial |
| 8444 | TCP |  | Bitmessage | Unofficial |
| 8484 | TCP |  | MapleStory Login Server | Unofficial |
| 8500 | TCP | UDP | ColdFusion Macromedia/Adobe ColdFusion default and Duke Nukem 3D—default | Unofficial |
| 8501 | TCP |  | [3] (http://www.dukesterx.net/) DukesterX —default | Unofficial |
| 8530 | TCP |  | Windows Server Update Services | Official |
| 8531 | TCP |  | Windows Server Update Services over TLS/SSL (HTTPS) | Official |
| 8580 | TCP |  | Freegate | Unofficial |
| 8585–  8589 | TCP |  | MapleStory Game Server | Unofficial |
| 8601 | TCP |  | Wavestore CCTV protocol[142] | Unofficial |
| 8602 | TCP | UDP | Wavestore Notification protocol[142] | Unofficial |
| 8629 | TCP |  | Tibero database default port | Unofficial |
| 8642 | TCP |  | Lotus Traveller | Unofficial |
| 8691 | TCP |  | Ultra Fractal default server port for distributing calculations over network computers | Unofficial |
| 8701–  8702 |  | UDP | SoftPerfect Bandwidth Manager | Unofficial |
|  |  |  |  |  |
| 8742 | TCP |  | avast! WebShield | Unofficial |
| 8767 |  | UDP | TeamSpeak default | Unofficial |
| 8768 |  | UDP | TeamSpeak alternate | Unofficial |
| 8778 | TCP |  | EPOS Speech Synthesis System | Unofficial |
| 8787–  8788 | TCP |  | MapleStory CashShop Game Server | Unofficial |
| 8834 |  |  | Nessus web | Unofficial |
| 8835 |  |  | Passive Vulnerability Scanner web | Unofficial |
| 8836 |  |  | Log Correlation Engine web | Unofficial |
| 8840 | TCP |  | Opera Unite server | Unofficial |
| 8845 | TCP |  | Sage Group Sage AutoUpdate Manager Service | Unofficial |
| 8880 | TCP | UDP | cddbp­alt, CD DataBase (CDDB) protocol (CDDBP) alternate | Official |
| 8880 | TCP |  | WebSphere Application Server SOAP connector default | Unofficial |
| 8880 | TCP |  | Win Media Streamer to Server SOAP connector default | Unofficial |
| 8881 | TCP |  | Atlasz Informatics Research Ltd Secure Application Server | Unofficial |
| 8881 | TCP |  | Netflexity Inc QFlex—IBM WebSphere MQ monitoring software | Unofficial |
| 8882 | TCP |  | Atlasz Informatics Research Ltd Secure Application Server | Unofficial |
| 8883 | TCP | UDP | Secure MQ Telemetry Transport (MQTT over SSL) | Official |
| 8886 | TCP |  | PPM3 (Padtec Management Protocol version 3) | Unofficial |
| 8887 | TCP |  | HyperVM HTTP | Official |
| 8888 | TCP |  | HyperVM HTTPS | Official |
| 8888 | TCP |  | Freenet HTTP | Unofficial |
| 8888 | TCP | UDP | NewsEDGE server | Official |
| 8888 | TCP |  | Sun Answerbook dwhttpd server (deprecated by docs.sun.com (http://docs.sun.com/app/docs)) | Unofficial |
| 8888 | TCP |  | GNUmp3d HTTP music streaming and Web interface | Unofficial |
| 8888 | TCP |  | LoLo Catcher HTTP Web interface (www.optiform.com) | Unofficial |
| 8888 | TCP |  | D2GS Admin Console Telnet administration console for D2GS servers (Diablo 2) | Unofficial |
| 8888 | TCP |  | Earthland Relams 2 Server (AU1\_2) | Unofficial |
| 8888–  8889 | TCP |  | MAMP Server | Unofficial |
| 8889 | TCP |  | Earthland Relams 2 Server (AU1\_1) | Unofficial |
| 8937 | TCP |  | Transaction Warehouse Data Service (TWDS) | Official |
| 8983 | TCP |  | Default for Apache Solr[143] | Unofficial |
| 8998 | TCP |  | I2P Monotone Repository | Unofficial |
| 8989 | TCP |  | STEP Bible | Unofficial |
| 9000 | TCP |  | SonarQube Web Server[144] | Unofficial |
| 9000 | TCP |  | Buffalo LinkSystem Web access | Unofficial |
|  |  |  |  |  |
| 9000 | TCP |  | DBGp | Unofficial |
| 9000 | TCP |  | SqueezeCenter web server & streaming | Unofficial |
| 9000 |  | UDP | UDPCast | Unofficial |
| 9000 | TCP |  | Play! Framework web server[145] | Unofficial |
| 9000 | TCP |  | Hadoop NameNode default port | Unofficial |
| 9000 | TCP |  | PHP­FPM default port | Unofficial |
| 9000 | TCP |  | QBittorrent's embedded torrent tracker default port[146] | Unofficial |
| 9001 | TCP | UDP | ETL Service Manager[147] | Official |
| 9001 |  |  | Microsoft SharePoint authoring environment | Unofficial |
| 9001 |  |  | cisco­xremote router configuration | Unofficial |
| 9001 |  |  | Tor network default | Unofficial |
| 9001 | TCP |  | DBGp Proxy | Unofficial |
| 9001 | TCP |  | HSQLDB default port | Unofficial |
| 9002 |  |  | Newforma Server comms | Unofficial |
| 9009 | TCP | UDP | Pichat Server—Peer to peer chat software | Official |
| 9010 | TCP |  | TISERVICEMANAGEMENT Numara Track­It! | Unofficial |
| 9020 | TCP |  | WiT WiT Services | Official |
| 9025 | TCP |  | WiT WiT Services | Official |
| 9030 | TCP |  | Tor often used | Unofficial |
| 9042 | TCP |  | Apache Cassandra native protocol clients | Unofficial |
| 9043 | TCP |  | WebSphere Application Server Administration Console secure | Unofficial |
| 9050–  9051 | TCP |  | Tor | Unofficial |
| 9060 | TCP |  | WebSphere Application Server Administration Console | Unofficial |
| 9080 | TCP | UDP | glrpc, Groove Collaboration software GLRPC | Official |
| 9080 | TCP |  | WebSphere Application Server HTTP Transport (port 1) default | Unofficial |
| 9080 | TCP |  | Remote Potato by FatAttitude, Windows Media Center addon | Unofficial |
| 9080 | TCP |  | ServerWMC, Windows Media Center addon | Unofficial |
| 9090 | TCP | UDP | WebSM | Unofficial |
| 9090 | TCP |  | Webwasher, Secure Web, McAfee Web Gateway—Default Proxy Port | Unofficial |
| 9090 | TCP |  | Openfire Administration Console | Unofficial |
| 9090 | TCP |  | SqueezeCenter control (CLI) | Unofficial |
| 9090 | TCP |  | Cherokee Admin Panel | Unofficial |
| 9091 | TCP |  | Openfire Administration Console (SSL Secured) | Unofficial |
| 9091 | TCP |  | Transmission (BitTorrent client) Web Interface | Unofficial |
| 9092 | TCP |  | H2 (DBMS) Database Server | Unofficial |
|  |  |  |  |  |
| 9100 | TCP |  | PDL Data Stream | Official |
| 9100 | TCP | UDP | LPR ­ RAW Printing | Official |
| 9101 | TCP | UDP | Bacula Director | Official |
| 9102 | TCP | UDP | Bacula File Daemon | Official |
| 9103 | TCP | UDP | Bacula Storage Daemon | Official |
| 9105 | TCP | UDP | Xadmin Control Daemon | Official |
| 9106 | TCP | UDP | Astergate Control Daemon | Official |
| 9107 | TCP |  | Astergate­FAX Control Daemon | Official |
| 9110 |  | UDP | SSMP Message protocol | Unofficial |
| 9119 | TCP | UDP | MXit Instant Messenger | Official |
| 9150 | TCP |  | Tor | Unofficial |
| 9191 | TCP |  | Catamount Software—PocketMoney Sync | Unofficial |
| 9191 | TCP |  | Sierra Wireless Airlink | Unofficial |
| 9199 | TCP |  | Avtex LLC—qStats | Unofficial |
| 9200 | TCP |  | Elasticsearch[148]—default Elasticsearch port | Unofficial |
| 9217 | TCP |  | iPass Platform Service | Unofficial |
| 9293 | TCP |  | Sony PlayStation RemotePlay[149] | Unofficial |
| 9300 | TCP |  | IBM Cognos 8 SOAP Business Intelligence and Performance Management | Unofficial |
| 9303 |  | UDP | D­Link Shareport Share storage and MFP printers | Unofficial |
| 9306 | TCP |  | Sphinx Native API | Official |
| 9309 | TCP | UDP | Sony PlayStation Vita Host Collaboration WiFi Data Transfer [150] | Unofficial |
| 9312 | TCP |  | Sphinx SphinxQL | Official |
| 9332 | TCP |  | Litecoin JSON­RPC server | Unofficial |
| 9333 | TCP |  | Litecoin | Unofficial |
| 9339 | TCP |  | Clash of Clans, a mobile freemium strategy video game | Unofficial |
| 9389 | TCP | UDP | adws, Microsoft AD DS Web Services, Powershell uses this port | Official |
| 9418 | TCP | UDP | git, Git pack transfer service | Official |
| 9420 | TCP |  | MooseFS distributed file system—master server to chunk servers | Unofficial |
| 9421 | TCP |  | MooseFS distributed file system—master server to clients | Unofficial |
| 9422 | TCP |  | MooseFS distributed file system—chunk servers to clients | Unofficial |
| 9443 | TCP |  | VMware Websense Triton console (HTTPS port used for accessing and administrating a vCenter Server via the Web Management Interface) | Unofficial |
| 9443 | TCP |  | NCSA Brown Dog Data Tilling Service | Unofficial |
| 9485 | TCP |  | Linz TCP Server Chat TCP Connection used for chat. | Unofficial |
| 9535 | TCP | UDP | mngsuite, LANDesk Management Suite Remote Control | Official |
| 9536 | TCP | UDP | laes­bf, IP Fabrics Surveillance buffering function | Official |
|  |  |  |  |  |
| 9600 |  | UDP | Omron FINS, OMRON FINS PLC communication | Official |
| 9675 | TCP | UDP | Spiceworks Desktop, IT Helpdesk Software | Unofficial |
| 9676 | TCP | UDP | Spiceworks Desktop, IT Helpdesk Software | Unofficial |
| 9695 |  | UDP | CCNx (http://www.ccnx.org/) | Official |
| 9800 | TCP | UDP | WebDAV Source | Official |
| 9800 |  |  | WebCT e­learning portal | Unofficial |
| 9875 | TCP |  | Club Penguin Disney online game for kids | Unofficial |
| 9898 | TCP | UDP | MonkeyCom | Official |
| 9898 | TCP |  | Tripwire—File Integrity Monitoring Software[151] | Unofficial |
| 9899 |  | UDP | SCTP tunneling (port number used in SCTP packets encapsulated in UDP, RFC6951) | Official |
| 9987 |  | UDP | TeamSpeak 3 server default (voice) port (for the conflicting service see the IANA list) | Unofficial |
| 9993 |  | UDP | ZeroTier Default port for ZeroTier | Unofficial |
| 9995 | TCP |  | Sage Group SageID Service | Unofficial |
| 9996 | TCP |  | AdRem Software, Inc.'s NetCrunch NetFlow collector port. This port can be changed [152] | Unofficial |
| 9997 | TCP |  | Splunk port for communication between the forwarders and indexers | Unofficial |
| 9998 | TCP |  | Sage Group Sage API Communication Service | Unofficial |
| 9999 |  |  | Hydranode edonkey2000 Telnet control | Unofficial |
| 9999 | TCP |  | Lantronix UDS­10/UDS100[153] RS­485 to Ethernet Converter Telnet control | Unofficial |
| 9999 |  |  | Urchin Web Analytics | Unofficial |
| 10000 | TCP | UDP | Network Data Management Protocol | Official |
| 10000 |  |  | BackupExec | Unofficial |
| 10000 |  |  | Ericsson Account Manager (avim) | Unofficial |
| 10000 |  |  | Webmin, Web­based Unix/Linux system administration tool (default port) | Unofficial |
| 10001 |  | UDP | Ubiquiti UniFi access points broadcast to  255.255.255.255:10001 (UDP) to locate the controller(s) | Unofficial |
| 10001 | TCP |  | Lantronix UDS­10/UDS100[154] RS­485 to Ethernet Converter default | Unofficial |
| 10003 | TCP |  | ForeScout SecureConnector | Unofficial |
| 10008 | TCP | UDP | Octopus Multiplexer, primary port for the CROMP protocol (http://hoople.org/hoople/readme.txt), which provides a platform­independent means for communication of objects across a network | Official |
| 10009 | TCP | UDP | Cross Fire, a multiplayer online First Person Shooter | Unofficial |
| 10010 | TCP |  | Open Object Rexx (ooRexx) rxapi daemon | Official |
| 10017 |  |  | AIX,NeXT, HPUX—rexd daemon control | Unofficial |
| 10024 | TCP |  | Zimbra smtp [mta]—to amavis from postfix | Unofficial |

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| 10025 | TCP |  | Zimbra smtp [mta]—back to postfix from amavis | Unofficial |
| 10042 | TCP |  | Mathoid server | Unofficial |
| 10050 | TCP | UDP | Zabbix agent | Official |
| 10051 | TCP | UDP | Zabbix trapper | Official |
| 10080 | TCP |  | Touhou fight games (Inmaterial and Missing Power, Scarlet  Weather Rhapsody, Hisoutensoku, Ten Desires and Urban Legend in Limbo) | Unofficial |
| 10110 | TCP | UDP | NMEA 0183 Navigational Data. Transport of NMEA 0183 sentences over TCP or UDP | Official |
| 10113 | TCP | UDP | NetIQ Endpoint | Official |
| 10114 | TCP | UDP | NetIQ Qcheck | Official |
| 10115 | TCP | UDP | NetIQ Endpoint | Official |
| 10116 | TCP | UDP | NetIQ VoIP Assessor | Official |
| 10172 | TCP |  | Intuit Quickbooks client | Unofficial |
| 10200 | TCP |  | FRISK Software International's fpscand virus scanning daemon for Unix platforms [155] | Unofficial |
| 10200 | TCP |  | FRISK Software International's f­protd virus scanning daemon for Unix platforms [156] | Unofficial |
| 10201–  10204 | TCP |  | FRISK Software International's f­protd virus scanning daemon for Unix platforms[156] | Unofficial |
| 10212 | TCP |  | GE Intelligent Platforms Proficy HMI/SCADA – CIMPLICITY WebView [157] | Official |
| 10301 | TCP |  | VoiceIP­ACS UMP default device provisioning endpoint | Unofficial |
| 10302 | TCP |  | VoiceIP­ACS UMP default device provisioning endpoint (SSL) | Unofficial |
| 10308 |  |  | Lock­on: Modern Air Combat | Unofficial |
| 10480 |  |  | SWAT 4 Dedicated Server | Unofficial |
| 10505 |  | UDP | BlueStacks (android simulator) broadcast[158] | Unofficial |
| 10514 | TCP | UDP | TLS­enabled Rsyslog (default by convention) | Unofficial |
| 10823 |  | UDP | Farming Simulator 2011 Default Server | Unofficial |
| 10891 | TCP |  | Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost) | Unofficial |
| 10933 | TCP |  | Listen port used by the Octopus Deploy Tentacle deployment agent [159][160] | Official |
| 11001 | TCP | UDP | metasys ( Johnson Controls Metasys java AC control environment ) | Official |
| 11111 | TCP |  | RiCcI, Remote Configuration Interface (Redhat Linux) | Unofficial |
| 11112 | TCP | UDP | ACR/NEMA Digital Imaging and Communications in Medicine (DICOM) | Official |
| 11155 | TCP | UDP | Tunngle | Unofficial |
| 11211 | TCP | UDP | memcached | Unofficial |
| 11214 | TCP | UDP | memcached incoming SSL proxy | Unofficial |
|  |  |  |  |  |
| 11215 | TCP | UDP | memcached internal outgoing SSL proxy | Unofficial |
| 11235 |  |  | Savage:Battle for Newerth Server Hosting | Unofficial |
| 11294 |  |  | Blood Quest Online Server | Unofficial |
| 11311 | TCP | UDP | Robot Operating System master | Unofficial |
| 11371 | TCP |  | OpenPGP HTTP key server | Official |
| 11576 |  |  | IPStor Server management communication | Unofficial |
| 11950 | TCP |  | Murraycoin JSON­RPC server[161] | Unofficial |
| 11951 | TCP |  | Murraycoin[161] | Unofficial |
| 12007 | TCP |  | NetCrunch 7 port for connection between NetCrunch 7 Server and Administration Console. This port can be changed [152] | Unofficial |
| 12008 | TCP |  | NetCrunch default connection broker port [152] | Unofficial |
| 12009 | TCP |  | NetCrunch 8 port for connection between NetCrunch 8 Server and Administration Console. This port can be changed [152] | Unofficial |
| 12010 | TCP |  | ElevateDB default database port[162] | Unofficial |
| 12011 | TCP |  | Axence nVision[163] | Unofficial |
| 12012 | TCP |  | Axence nVision[163] | Unofficial |
| 12012 | TCP |  | Audition Online Dance Battle, Korea Server— Status/Version Check | Unofficial |
| 12012 |  | UDP | Audition Online Dance Battle, Korea Server— Status/Version Check | Unofficial |
| 12013 | TCP | UDP | Audition Online Dance Battle, Korea Server | Unofficial |
| 12030 | TCP |  | NetCrunch ­ port for connection between NetCrunch Server and NetCrunch Guard [152] | Unofficial |
| 12031 | TCP |  | Axence nVision[163] | Unofficial |
| 12032 | TCP |  | Axence nVision[163] | Unofficial |
| 12035 |  | UDP | Linden Lab  (http://wiki.secondlife.com/wiki/Authentication\_Flow) viewer to sim on SecondLife | Unofficial |
| 12201 |  | UDP | GELF Protocol (http://graylog2.org/gelf) | Unofficial |
| 12222 |  | UDP | Light Weight Access Point Protocol (LWAPP) LWAPP data (RFC 5412) | Official |
| 12223 |  | UDP | Light Weight Access Point Protocol (LWAPP) LWAPP control (RFC 5412) | Official |
| 12345 |  |  | NetBus remote administration tool (often Trojan horse).  Also used by NetBuster. Little Fighter 2 (TCP), Cubeworld  (http://www.cubeworldwiki.net/index.php/Server)[164] (TCP and UDP), and (TCP) GVG (Grass Valley Group)  SMS7000 and RCL video router control | Unofficial |
| 12443 | TCP |  | IBM HMC web browser management access over HTTPS instead of default port 443[165] | Unofficial |
|  |  |  |  |  |
| 12489 | TCP |  | NSClient/NSClient++/NC\_Net (Nagios) | Unofficial |
| 12975 | TCP |  | LogMeIn Hamachi (VPN tunnel software; also port 32976) —used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect | Unofficial |
| 12998–  12999 |  | UDP | Takenaka RDI (http://www.takenaka.co.jp/) Mirror World on SecondLife | Unofficial |
| 13001 | TCP |  | ForeScout CounterACT | Unofficial |
| 13000–  13050 |  | UDP | Linden Lab  (http://wiki.secondlife.com/wiki/Authentication\_Flow) viewer to sim on SecondLife | Unofficial |
| 13008 | TCP | UDP | Cross Fire, a multiplayer online First Person Shooter | Unofficial |
| 13075 | TCP |  | Default[166] for BMC Software Control­M/Enterprise Manager Corba communication, though often changed during installation | Official |
| 13195–  13196 | TCP | UDP | Ontolux Ontolux 2D | Unofficial |
| 13337–  13340 | TCP | UDP | ÆtherNet peer­to­peer networking | Unofficial |
| 13720 | TCP | UDP | Symantec NetBackup—bprd (formerly VERITAS) | Official |
| 13721 | TCP | UDP | Symantec NetBackup—bpdbm (formerly VERITAS) | Official |
| 13724 | TCP | UDP | Symantec Network Utility—vnetd (formerly VERITAS) | Official |
| 13782 | TCP | UDP | Symantec NetBackup—bpcd (formerly VERITAS) | Official |
| 13783 | TCP | UDP | Symantec VOPIED protocol (formerly VERITAS) | Official |
| 13785 | TCP | UDP | Symantec NetBackup Database—nbdb (formerly VERITAS) | Official |
| 13786 | TCP | UDP | Symantec nomdb (formerly VERITAS) | Official |
| 14439 | TCP |  | APRS UI­View Amateur Radio[167] UI­WebServer | Unofficial |
| 14550 |  | UDP | MAVLink | Unofficial |
| 14567 |  | UDP | Battlefield 1942 and mods | Unofficial |
| 14900 | TCP |  | K3 SYSPRO (http://www.k3syspro.com/) K3 Framework WCF Backbone | Unofficial |
| 15000 | TCP |  | psyBNC | Unofficial |
| 15000 | TCP |  | Wesnoth | Unofficial |
| 15000 | TCP |  | Kaspersky Network Agent | Unofficial |
| 15000 | TCP | UDP | hydap, Hypack Hydrographic Software Packages Data Acquisition | Official |
| 15556 | TCP | UDP | Jeex.EU Artesia (direct client­to­db.service) | Official |
| 15567 |  | UDP | Battlefield Vietnam and mods | Unofficial |
| 15345 | TCP | UDP | XPilot Contact | Official |
| 16000 | TCP |  | Oracle WebCenter Content: Imaging (formerly known as Oracle Universal Content Management). Port though often changed during installation | Unofficial |
|  |  |  |  |  |
| 16000 | TCP |  | shroudBNC | Unofficial |
| 16080 | TCP |  | Mac OS X Server Web (HTTP) service with performance cache [168] | Unofficial |
| 16200 | TCP |  | Oracle WebCenter Content: Content Server (formerly known as Oracle Universal Content Management). Port though often changed during installation | Unofficial |
| 16225 | TCP |  | Oracle WebCenter Content: Content Server Web UI. Port though often changed during installation | Unofficial |
| 16250 | TCP |  | Oracle WebCenter Content: Inbound Refinery (formerly known as Oracle Universal Content Management). Port though often changed during installation | Unofficial |
| 16261 | TCP | UDP | Project Zomboid Multiplayer Server: Additional sequential ports used for each player connecting to server | Unofficial |
| 16300 | TCP |  | Oracle WebCenter Content: Records Management (formerly known as Oracle Universal Records Management). Port though often changed during installation | Unofficial |
| 16384 | TCP | UDP | Hewlett Packard Connected Backup[169] | Official |
| 16384 |  | UDP | CISCO Default RTP MIN | Unofficial |
| 16400 | TCP |  | Oracle WebCenter Content: Capture (formerly known as Oracle Document Capture). Port though often changed during installation | Unofficial |
| 16482 |  |  | CISCO Default RTP MAX | Official |
| 16567 |  | UDP | Battlefield 2 and mods | Unofficial |
| 17011 | TCP |  | Worms multiplayer | Unofficial |
| 17500 | TCP | UDP | Dropbox LanSync Protocol (db­lsp); used to synchronize file catalogs between Dropbox clients on a local network. | Official |
| 18010 | TCP |  | Super Dancer Online Extreme(SDO­X)—CiB Net Station Malaysia Server | Unofficial |
| 18091 | TCP | UDP | memcached Internal REST HTTPS for SSL | Unofficial |
| 18092 | TCP | UDP | memcached Internal CAPI HTTPS for SSL | Unofficial |
| 18104 | TCP |  | RAD PDF Service | Official |
| 18180 | TCP |  | DART Reporting server | Unofficial |
| 18200 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server status/version check | Unofficial |
| 18201 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server | Unofficial |
| 18206 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server FAM database | Unofficial |
| 18300 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server status/version check | Unofficial |
| 18301 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server | Unofficial |
| 18306 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server FAM database | Unofficial |
| 18333 | TCP |  | Bitcoin testnet[140] | Unofficial |
| 18400 | TCP | UDP | Audition Online Dance Battle, KAIZEN Brazil Server | Unofficial |
|  |  |  | status/version check |  |
| 18401 | TCP | UDP | Audition Online Dance Battle, KAIZEN Brazil Server | Unofficial |
| 18505 | TCP | UDP | Audition Online Dance Battle R4p3 Server, Nexon Server status/version check | Unofficial |
| 18506 | TCP | UDP | Audition Online Dance Battle, Nexon Server | Unofficial |
| 18605 | TCP | UDP | X­BEAT status/version check | Unofficial |
| 18606 | TCP | UDP | X­BEAT | Unofficial |
| 19000 | TCP | UDP | Audition Online Dance Battle, G10/alaplaya Server status/version check | Unofficial |
| 19000 |  | UDP | JACK sound server | Unofficial |
| 19001 | TCP | UDP | Audition Online Dance Battle, G10/alaplaya Server | Unofficial |
| 19007 | TCP | UDP | Veejansh Inc. (http://www.veejansh.com/) Scintilla Device Service | Official |
| 19132 |  | UDP | Standard Minecraft Pocket Edition Multiplayer Server Port | Unofficial |
| 19150 | TCP | UDP | Gkrellm Server | Unofficial |
| 19226 | TCP |  | Panda Software AdminSecure Communication Agent | Unofficial |
| 19283 | TCP | UDP | K2—KeyAuditor & KeyServer, Sassafras Software Inc.[170] Software Asset Management tools | Official |
| 19294 | TCP |  | Google Talk Voice and Video connections[171] | Unofficial |
| 19295 |  | UDP | Google Talk Voice and Video connections[171] | Unofficial |
| 19302 |  | UDP | Google Talk Voice and Video connections[171] | Unofficial |
| 19315 | TCP | UDP | KeyShadow for K2—KeyAuditor & KeyServer, Sassafras Software Inc. [170] Software Asset Management tools | Official |
| 19540 | TCP |  | Gamecoin RCP | Unofficial |
| 19540 | TCP |  | Gamecoin Testnet | Unofficial |
| 19540 | TCP |  | Gamecoin P2P | Unofficial |
| 19540 | TCP | UDP | Belkin Network USB Hub | Unofficial |
| 19638 | TCP |  | Ensim Control Panel | Unofficial |
| 19812 | TCP |  | 4D database SQL Communication[172] | Official |
| 19813 | TCP | UDP | 4D database Client Server Communication[172] | Official |
| 19814 | TCP |  | 4D database DB4D Communication[172] | Official |
| 19999 |  |  | Distributed Network Protocol—Secure (DNP—Secure), a secure version of the protocol used in SCADA systems  between communicating RTU's and IED's | Official |
| 20000 |  |  | Distributed Network Protocol (DNP), a protocol used in  SCADA systems between communicating RTU's and IED's | Official |
| 20000 |  |  | Usermin, Web­based Unix/Linux user administration tool (default port) | Unofficial |
| 20202 | TCP |  | OnNet (Net2E) | Unofficial |
| 20014 | TCP |  | DART Reporting server | Unofficial |
| 20560 | TCP | UDP | Killing Floor | Unofficial |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 20595 |  | UDP | 0 A.D. Empires Ascendant | Unofficial |
| 20702 | TCP |  | Precise TPM (http://www.precise.com/) Listener Agent | Unofficial |
| 20720 | TCP |  | Symantec i3 Web GUI server | Unofficial |
| 20790 | TCP |  | Precise TPM (http://www.precise.com/) Web GUI server | Unofficial |
| 20808 | UDP |  | Ableton Link | Unofficial |
| 21001 | TCP |  | AMLFilter, AMLFilter Inc.  (http://sourceforge.net/projects/amlfilter/) amlf­admin default port | Unofficial |
| 21011 | TCP |  | AMLFilter, AMLFilter Inc.  (http://sourceforge.net/projects/amlfilter/) amlf­engine­01 default http port | Unofficial |
| 21012 | TCP |  | AMLFilter, AMLFilter Inc.  (http://sourceforge.net/projects/amlfilter/) amlf­engine­01 default https port | Unofficial |
| 21021 | TCP |  | AMLFilter, AMLFilter Inc.  (http://sourceforge.net/projects/amlfilter/) amlf­engine­02 default http port | Unofficial |
| 21022 | TCP |  | AMLFilter, AMLFilter Inc.  (http://sourceforge.net/projects/amlfilter/) amlf­engine­02 default https port | Unofficial |
| 21025 | TCP |  | Starbound Server (default), Starbound (http://playstarbound.com/) | Unofficial |
| 22136 | TCP |  | FLIR Systems (http://www.flir.com/) Camera Resource Protocol | Unofficial |
| 22222 | TCP |  | Davis Instruments, WeatherLink IP  (http://davisnet.com/weather/products/weather\_product.asp?  pnum=06555) | Unofficial |
| 22347 | TCP | UDP | WibuKey, WIBU­SYSTEMS AG (http://wibu.com/wibukey.php) Software protection system | Official |
| 22349 | TCP |  | Wolfson Microelectronics WISCEBridge Debug Protocol [173] | Unofficial |
| 22350 | TCP | UDP | CodeMeter, WIBU­SYSTEMS AG  (http://wibu.com/codemeter.php) Software protection system | Official |
| 23073 |  |  | Soldat Dedicated Server | Unofficial |
| 23284 |  |  | TimeTracker by Openhour (http://openhour.com) | Official |
| 23399 |  |  | Skype default protocol | Unofficial |
| 23513 |  |  | Duke Nukem 3D#Source code Duke Nukem Ports | Unofficial |
| 24441 | TCP | UDP | Pyzor spam detection network | Unofficial |
| 24444 |  |  | NetBeans integrated development environment | Unofficial |
| 24465 | TCP | UDP | Tonido Directory Server for Tonido  (http://www.tonido.com/) which is a Personal Web App and P2P platform | Official |
| 24554 | TCP | UDP | BINKP, Fidonet mail transfers over TCP/IP | Official |
| 24800 |  |  | Synergy: keyboard/mouse sharing software | Unofficial |
|  |  |  |  |  |
| 24842 |  |  | StepMania: Online: Dance Dance Revolution Simulator | Unofficial |
| 25000 | TCP |  | Teamware Office standard client connection | Official |
| 25001 | TCP |  | Default port for Unity3D networking | Official |
| 25003 | TCP |  | Teamware Office client notifier | Official |
| 25005 | TCP |  | Teamware Office message transfer | Official |
| 25007 | TCP |  | Teamware Office MIME Connector | Official |
| 25008 | TCP |  | Jayson's Water Fun Connector | Unofficial |
| 25010 | TCP |  | Teamware Office Agent server | Official |
| 25105 | TCP |  | Default port for Insteon Hub | Unofficial |
| 25560 | TCP |  | codeheart.js Relay Server | Unofficial |
| 25565 | TCP | N/A | Standard Minecraft (Dedicated) Server[174] | Unofficial |
| 25565 |  |  | MySQL database system | Unofficial |
| 25570 |  |  | Manic Digger default single player port | Unofficial |
| 25826 |  | UDP | collectd default port[175] | Unofficial |
| 25828–  25840 | TCP | UDP | DarknessBlade Network. | Unofficial |
| 25888 |  | UDP | Xfire (Firewall Report, UDP\_IN) IP Address  (206.220.40.146) resolves to gameservertracking.xfire.com.  Use unknown. | Unofficial |
| 25999 | TCP |  | Xfire | Unofficial |
| 26000 | TCP | UDP | id Software's Quake server | Official |
| 26000 | TCP |  | CCP's EVE Online Online gaming MMORPG | Unofficial |
| 26000 |  | UDP | Xonotic, an open source arena shooter | Unofficial |
| 26850 | TCP |  | War of No Return Server Port | Unofficial |
| 26900–  26901 | TCP |  | CCP's EVE Online Online gaming MMORPG | Unofficial |
| 26950 | TCP | UDP | GIMA Productions | Unofficial |
| 27000–  27030 |  | UDP | Steam Client | Unofficial |
| 27000 |  | UDP | (through 27006) id Software's QuakeWorld master server | Unofficial |
| 27000 | TCP |  | PowerBuilder SySAM license server | Unofficial |
| 27000–  27009 | TCP |  | FlexNet Publisher's License server (from the range of default ports) | Unofficial |
| 27010 |  |  | Source engine dedicated server port | Unofficial |
| 27014–  27050 | TCP |  | Steam Downloads | Unofficial |
| 27014 |  |  | Source engine dedicated server port (rare) | Unofficial |
| 27015 |  |  | GoldSrc and Source engine dedicated server port, AppleMobileDeviceService [176] | Unofficial |
| 27016 |  |  | Magicka server port | Unofficial |
| 27017 |  |  | mongoDB server port | Unofficial |
| 27036 |  |  | Steam In­Home Streaming (Only LAN) | Unofficial |
|  |  |  |  |  |
| 27374 |  |  | Sub7 default. | Unofficial |
| 27500–  27900 |  | UDP | id Software's QuakeWorld | Unofficial |
| 27888 |  | UDP | Kaillera server | Unofficial |
| 27900–  27901 |  |  | Nintendo Wi­Fi Connection | Unofficial |
| 27901–  27910 |  | UDP | id Software's Quake II master server | Unofficial |
| 27950 |  | UDP | OpenArena outgoing | Unofficial |
| 27960–  27969 |  | UDP | Activision's Enemy Territory and id Software's Quake III Arena, Quake III and Quake Live and some ioquake3 derived games, such as Urban Terror (OpenArena incoming) | Unofficial |
| 28000 |  |  | Bitfighter Common/default Bitfighter Server | Unofficial |
| 28001 |  |  | Starsiege: Tribes Common/default Tribes v.1 Server | Unofficial |
| 28395 | TCP |  | www.SmartSystemsLLC.com Used by Smart Sale 5.0 | Unofficial |
| 28770 |  | UDP | AssaultCube Reloaded default server port | Unofficial |
| 28771 |  | UDP | AssaultCube Reloaded default server info port | Unofficial |
| 28785 |  | UDP | Cube 2 Sauerbraten[177] | Unofficial |
| 28786 |  | UDP | Cube 2 Sauerbraten Port 2[177] | Unofficial |
| 28801–  28802 |  | UDP | Red Eclipse (Cube 2 derivative) default ports [178] | Unofficial |
| 28852 | TCP | UDP | Killing Floor | Unofficial |
| 28910 |  |  | Nintendo Wi­Fi Connection[179] | Unofficial |
| 28960 |  | UDP | Call of Duty; Call of Duty: United Offensive; Call of Duty 2;  Call of Duty 4: Modern Warfare; Call of Duty: World at War (PC Version) | Unofficial |
| 29000 |  |  | Perfect World International Used by the Perfect World International Client | Unofficial |
| 29070 | TCP | UDP | Game titled "Jedi Knight: Jedi Academy" by Ravensoft | Unofficial |
| 29292 | TCP |  | TMO Integration Service Communications Port, Used by Transaction Manager SaaS (HighJump Software) | Unofficial |
| 29900–  29901 |  |  | Nintendo Wi­Fi Connection [179] | Unofficial |
| 29920 |  |  | Nintendo Wi­Fi Connection[179] | Unofficial |
| 30000 |  |  | Pokémon Netbattle | Unofficial |
| 30000 |  |  | Minetest Dedicated Server | Unofficial |
| 30301 |  |  | BitTorrent | Unofficial |
| 30564 | TCP |  | Multiplicity: keyboard/mouse/clipboard sharing software | Unofficial |
| 30718 |  | UDP | Lantronix Discovery for Lantronix serial­to­ethernet devices | Unofficial |
| 30777 | TCP |  | ZangZing agent | Unofficial |
| 31314 | TCP |  | electric imp node<>server communication (TLS) | Unofficial |
|  |  |  |  |  |
| 31337 | TCP |  | Back Orifice remote administration tool (often Trojan horse) | Unofficial |
| 31415 |  |  | ThoughtSignal Server Communication Service (often Informational) | Unofficial |
| 31416 |  |  | BOINC RPC[180] | Unofficial |
| 31438 |  |  | Rocket Software U2 uvcs Server Communication Service | Unofficial |
| 31456 | TCP |  | TetriNET IRC gateway on some servers | Unofficial |
| 31457 | TCP |  | TetriNET | Official |
| 31458 | TCP |  | TetriNET Used for game spectators | Unofficial |
| 31620 | TCP | UDP | LM­MON (Standard Floating License Manager LM­MON) | Official |
| 31820­  31829 |  | UDP | SyFlo SyFlo license manager | Unofficial |
| 32000 |  | UDP | FlightGear multiplayer, experimental 2nd port (working code mod submitted to main fgms developer 2015­III­04 for evaluation)[84] | Unofficial |
| 32123 | TCP |  | x3Lobby Used by x3Lobby, an internet application. | Unofficial |
| 32137 | TCP | UDP | Immunet Protect (UDP in version 2.0,[181] TCP since version 3.0 [182]) | Unofficial |
| 32245 | TCP |  | MMTSG­mutualed over MMT (encrypted transmission) | Unofficial |
| 32400 | TCP | UDP | Used for Plex Media Server connections and media streams | Unofficial |
| 32764 | TCP |  | Potential backdoor on some routers[183] | Unofficial |
| 32769 | TCP |  | FileNet RPC | Unofficial |
| 32887 | TCP |  | Used by "Ace of Spades" game | Unofficial |
| 32976 | TCP |  | LogMeIn Hamachi (VPN tunnel software; also port 12975) —used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect | Unofficial |
| 33330 |  | UDP | FMAudit | Unofficial |
| 33333 |  | UDP | TNTchat default server port | Unofficial |
| 33434–  33534 | TCP | UDP | traceroute | Official |
| 33848 |  | UDP | Jenkins Remote access API (https://wiki.jenkinsci.org/display/JENKINS/Remote+access+API) and Auto­  Discovery (https://wiki.jenkinsci.org/display/JENKINS/Autodiscovering+Jenkins+on+the+network) | Unofficial |
| 33982 | TCP | UDP | Dezta software | Unofficial |
| 34000 |  |  | MasterPort—WarZ | Unofficial |
| 34001 |  |  | ClientPort—WarZ | Unofficial |
| 34010 |  |  | PortStart—WarZ | Unofficial |
| 34271 |  |  | Remuco (https://code.google.com/p/remuco/) remote control for media players [184] | Unofficial |
| 34443 |  |  | Linksys PSUS4 print server[185] | Unofficial |
|  |  |  |  |  |
| 34567 | TCP |  | EDI service[186] | Official |
| 35357 | TCP |  | OpenStack ID Service | Official |
| 36330 | TCP |  | Folding@home v7 default for client control interface | Unofficial |
| 36700 | TCP |  | MapX communication port | Official |
| 36963 |  | UDP | Unreal Software multiplayer games, such as Counter Strike 2D (2D clone of Counter Strike) | Unofficial |
| 37601 | TCP |  | Epipole File Transfer Protocol [187] | Official |
| 37659 | TCP |  | Axence nVision | Unofficial |
| 37777 | TCP |  | Digital Video Recorder hardware | Unofficial |
| 40000 | TCP | UDP | SafetyNET p Real­time Industrial Ethernet protocol | Official |
| 40123 |  | UDP | Flatcast[188] | Unofficial |
| 41794 | TCP | UDP | Crestron Control Port | Official |
| 41795 | TCP | UDP | Crestron Control Port | Official |
| 41823 | TCP | UDP | Murealm Client | Unofficial |
| 43034 | TCP | UDP | LarmX.com™ database update mtr port | Unofficial |
| 43047 | TCP |  | TheòsMessenger second port for service TheòsMessenger | Unofficial |
| 43048 | TCP |  | TheòsMessenger third port for service TheòsMessenger | Unofficial |
| 43594 | TCP |  | RuneScape, FunOrb, Runescape Private Servers game servers | Unofficial |
| 43595 | TCP |  | RuneScape JAGGRAB servers | Unofficial |
| 44405 | TCP |  | Mu Online Connect Server | Unofficial |
| 44444 | TCP |  | LightClaw.TeamServer Asset synchronization | Unofficial |
| 45824 | TCP |  | Server for the DAI family of client­server products | Official |
| 47001 | TCP |  | Windows Remote Management Service (WinRM)[189] | Official |
| 47808 |  | UDP | BACnet Building Automation and Control Networks (4780810 = BAC016), commonly spills to 47809–47816 | Official |
| 48653 | TCP | UDP | Robot Raconteur transport[190] | Official |
| 49151 | TCP | UDP | Reserved[1] | Official |

Dynamic, private or ephemeral ports

The range 49152–65535 (215+214 to 216−1) contains dynamic or private ports that cannot be registered with IANA.[191] This range is used for private, or customized services or temporary purposes and for automatic allocation of ephemeral ports.

See also

Internet Protocol Suite

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