

PORTNUMBERS

PORT NUMBER: A port number is a way to identify a specific process to which an internet or other network message is to be forwarded when it arrives at a server. All network-connected devices come equipped with standardized ports that have an assigned number.

PROTOCOL: A protocol is a set of rules and guidelines for communicating data. Rules are defined for each step and process during communication between two or more computers. Networks have to follow these rules to successfully transmit data

IP ADDRESS: An IP address is a unique address that identifies a device on the internet or a local network.

| Port | TCP | Descripti | Status |
|------|-----|---|------------|
| 0 | | Reserved | Official |
| 1 | TCP | TCP Port Service Multiplexer (TCPMUX) | Official |
| 2 | TCP | CompressNET ^[4] Management Utility ^[5] | Official |
| 3 | TCP | CompressNET ^[4] Compression Process ^[6] | Official |
| 4 | TCP | Unassigned | Official |
| 5 | TCP | Remote Job Entry | Official |
| 6 | TCP | Unassigned | Official |
| 7 | TCP | Echo Protocol/ Ping/ ICMP | Official |
| 8 | TCP | Unassigned | Official |
| 9 | TCP | Discard Protocol | Official |
| 9 | | Wake-on-LAN | Unofficial |
| 10 | TCP | Unassigned | Official |
| 11 | TCP | Active Users (sysstat service) ^{[7][8]} | Official |
| 12 | TCP | Unassigned | Official |
| 13 | TCP | Daytime Protocol (RFC 867) | Official |
| 14 | TCP | Unassigned | Official |
| 15 | TCP | Previously netstat service ^[7] | Unofficial |

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|----|-----|--|------------|
| 16 | TCP | Unassigned | Official |
| 17 | TCP | Quote of the Day | Official |
| 18 | TCP | Message Send Protocol | Official |
| 19 | TCP | Character Generator Protocol (CHARGEN) | Official |
| 20 | TCP | FTP data transfer | Official |
| 21 | TCP | FTP control (command) | Official |
| 22 | TCP | Secure Shell (SSH)—used for secure logins, file transfers (scp, sftp) and port forwarding | Official |
| 23 | TCP | Telnet protocol—unencrypted text communications | Official |
| 24 | TCP | Priv-mail : any private mail system. | Official |
| 25 | TCP | Simple Mail Transfer Protocol (SMTP)—used for e-mail routing between mail servers | Official |
| 26 | TCP | encrypted SMTP | Official |
| 27 | TCP | NSW User System FE | Official |
| 29 | TCP | MSG ICP | Official |
| 33 | TCP | Display Support Protocol | Official |
| 35 | TCP | Any private printer server protocol | Official |
| 37 | TCP | TIME protocol | Official |
| 39 | TCP | Resource Location Protocol ^[9] (RLP)—used for determining the location of higher level services from hosts on a network | Official |
| 40 | TCP | Unassigned | Official |
| 42 | TCP | ARPA Host Name Server Protocol | Official |
| 42 | TCP | Windows Internet Name Service | Unofficial |
| 43 | TCP | WHOIS protocol | Official |
| 47 | TCP | NI FTP ^[9] | Official |
| 49 | TCP | TACACS Login Host protocol | Official |
| 50 | TCP | Remote Mail Checking Protocol ^[10] | Official |
| 51 | TCP | IMP Logical Address Maintenance | Official |
| 52 | TCP | XNS (Xerox Network Systems) Time Protocol | Official |
| 53 | TCP | Domain Name System (DNS) | Official |
| 54 | TCP | XNS (Xerox Network Systems) Clearinghouse | Official |
| 55 | TCP | ISI Graphics Language (ISI-GL) | Official |
| 56 | TCP | XNS (Xerox Network Systems) Authentication | Official |
| 56 | TCP | Route Access Protocol (RAP) ^[11] | Unofficial |
| 57 | TCP | Mail Transfer Protocol (RFC 780) | Official |

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|-----|-----|--|------------|
| 58 | TCP | XNS (Xerox Network Systems) Mail | Official |
| 64 | TCP | CI (Travelport) (formerly Covia) Comms Integrator | Official |
| 67 | | Bootstrap Protocol (BOOTP) Server; also used by Dynamic Host Configuration Protocol (DHCP) | Official |
| 68 | | Bootstrap Protocol (BOOTP) Client; also used by Dynamic Host Configuration Protocol (DHCP) | Official |
| 69 | | Trivial File Transfer Protocol (TFTP) | Official |
| 70 | TCP | Gopher protocol | Official |
| 71 | TCP | NETRJS protocol | Official |
| 72 | TCP | NETRJS protocol | Official |
| 73 | TCP | NETRJS protocol | Official |
| 74 | TCP | NETRJS protocol | Official |
| 77 | TCP | Any private Remote Job Entry | Official |
| 79 | TCP | Finger protocol | Official |
| 80 | TCP | Hypertext Transfer Protocol (HTTP) ^[12] | Official |
| 80 | | QUIC (from Chromium) for HTTP | Unofficial |
| 81 | TCP | Torpark—Onion routing | Unofficial |
| 82 | | Torpark—Control | Unofficial |
| 88 | TCP | Kerberos—authentication system | Official |
| 90 | TCP | dnsix (DoD Network Security for Information Exchange) Securit Attribute Token Map | Official |
| 90 | TCP | PointCast (dotcom) | Unofficial |
| 99 | TCP | WIP Message protocol | Unofficial |
| 100 | | CyberGate RAT protocol | Unofficial |
| 123 | TCP | Net work time protocol | official |
| 119 | | Network news transfer protocol | official |
| 143 | TCP | Internet message access protocol | official |
| 161 | | Simple network management protocol | official |
| 194 | TCP | Internet relay chat | unofficial |
| 110 | TCP | Post office protocol | official |