**Well Known Ports**

* **20 and 21:** File Transfer Protocol (FTP). FTP is for transferring files between a client and a server.
* **22:** Secure Shell (SSH). SSH is one of many [tunnelling](https://www.cloudflare.com/learning/network-layer/what-is-tunneling/) protocols that create secure network connections.
* **25:** Simple Mail Transfer Protocol (SMTP). SMTP is used for email.
* **53:** [Domain Name System (DNS)](https://www.cloudflare.com/learning/dns/what-is-dns/). DNS is an essential process for the modern Internet; it matches human-readable [domain names](https://www.cloudflare.com/learning/dns/glossary/what-is-a-domain-name/) to machine-readable IP addresses, enabling users to load websites and applications without memorizing a long list of IP addresses.
* **80:** Hypertext Transfer Protocol (HTTP). HTTP is the protocol that makes the World Wide Web possible.
* **123:** [Network Time Protocol (NTP)](https://blog.cloudflare.com/secure-time/). NTP allows computer clocks to sync with each other, a process that is essential for [encryption](https://www.cloudflare.com/learning/ssl/what-is-encryption/).
* **179:** [Border Gateway Protocol (BGP)](https://www.cloudflare.com/learning/security/glossary/what-is-bgp/). BGP is essential for establishing efficient routes between the large networks that make up the Internet (these large networks are called [autonomous systems](https://www.cloudflare.com/learning/network-layer/what-is-an-autonomous-system/)). Autonomous systems use BGP to broadcast which IP addresses they control.
* **443:** [HTTP Secure (HTTPS)](https://www.cloudflare.com/learning/ssl/what-is-https/). HTTPS is the secure and encrypted version of HTTP. All HTTPS web traffic goes to port 443. Network services that use HTTPS for encryption, such as [DNS over HTTPS](https://www.cloudflare.com/learning/dns/dns-over-tls/), also connect at this port.
* **500:** Internet Security Association and Key Management Protocol (ISAKMP), which is part of the process of setting up secure [IPsec](https://www.cloudflare.com/learning/network-layer/what-is-ipsec/) connections.
* **3389:** [Remote Desktop Protocol](https://www.cloudflare.com/learning/access-management/what-is-the-remote-desktop-protocol/) (RDP). RDP enables users to remotely connect to their desktop computers from another device
* 20 File Transfer Protocol (FTP) Data Transfer
* 21 File Transfer Protocol (FTP) Command Control
* 22 Secure Shell (SSH)
* 23 Telnet - Remote login service, unencrypted text messages
* 25 Simple Mail Transfer Protocol (SMTP) E-mail Routing
* 53 Domain Name System (DNS) service
* 80 Hypertext Transfer Protocol (HTTP) used in World Wide Web
* 110 Post Office Protocol (POP3) used by e-mail clients to retrieve e-mail from a server
* 119 Network News Transfer Protocol (NNTP)
* 123 Network Time Protocol (NTP)
* 143 Internet Message Access Protocol (IMAP) Management of Digital Mail
* 161 Simple Network Management Protocol (SNMP)
* 194 Internet Relay Chat (IRC)
* 443 HTTP Secure (HTTPS) HTTP over TLS/SSL