

Cybersecurity Cheat Sheet for Beginners

Protocols/Services and Their Common Port Numbers

1. Web Services

HTTP - Port 80 (TCP)

HTTPS - Port 443 (TCP)

2. File Transfer

FTP - Port 21 (TCP)

SFTP - Port 22 (TCP) [Uses SSH]

FTPS - Port 990 (TCP)

TFTP - Port 69 (UDP)

3. Email Services

SMTP - Port 25 (TCP)

SMTP (SSL) - Port 465 (TCP)

SMTP (Submission) - Port 587 (TCP)

IMAP - Port 143 (TCP)

IMAP (SSL) - Port 993 (TCP)

POP3 - Port 110 (TCP)

POP3 (SSL) - Port 995 (TCP)

4. Remote Access

SSH - Port 22 (TCP)

Telnet - Port 23 (TCP)

RDP - Port 3389 (TCP)

5. Domain and Directory Services

DNS - Port 53 (TCP/UDP)

LDAP - Port 389 (TCP/UDP)

LDAPS - Port 636 (TCP)

Kerberos - Port 88 (TCP/UDP)

6. Network Services

DHCP Client - Port 68 (UDP)

DHCP Server - Port 67 (UDP)

SNMP - Port 161 (UDP)

SNMP Trap - Port 162 (UDP)

NTP - Port 123 (UDP)

7. Security Services

HTTPS (SSL/TLS VPN) - Port 443 (TCP)

IPSec (IKE) - Port 500 (UDP)

OpenVPN - Port 1194 (UDP)

8. Miscellaneous

MySQL - Port 3306 (TCP)

PostgreSQL - Port 5432 (TCP)

MongoDB - Port 27017 (TCP)

Redis - Port 6379 (TCP)

Elasticsearch - Port 9200 (TCP)

Tip: Know both TCP and UDP differences, and which services use which protocol.