

Cisco CCNA (200-301) Ports Sheet

High-yield ports and services that commonly appear in routing, switching, security, and operations questions.

| | | |
|---|--|--|
| Best for Fast port memorization | Focus Port / protocol / service / use case | Use with Use with the commands sheet and quick summary |
|---|--|--|

| Port | Protocol | Name | Use case |
|-----------|----------|----------|---|
| 20/21 | TCP | FTP | Classic file transfer: data and control |
| 22 | TCP | SSH | Secure CLI management and SCP/SFTP context |
| 23 | TCP | Telnet | Legacy plaintext remote access |
| 25 | TCP | SMTP | Mail transfer |
| 49 | TCP | TACACS+ | AAA for device administration |
| 53 | TCP/UDP | DNS | Queries plus TCP for larger responses/zone transfer |
| 67/68 | UDP | DHCP | Address lease process |
| 69 | UDP | TFTP | Simple config/image transfer |
| 80 | TCP | HTTP | Plain web traffic |
| 88 | TCP/UDP | Kerberos | Authentication in AD contexts |
| 110 | TCP | POP3 | Mail retrieval |
| 123 | UDP | NTP | Time sync |
| 143 | TCP | IMAP | Mail sync |
| 161/162 | UDP | SNMP | Polling and traps |
| 389 | TCP/UDP | LDAP | Directory services |
| 443 | TCP | HTTPS | Encrypted web and APIs |
| 445 | TCP | SMB | Windows file sharing |
| 514 | UDP | Syslog | Central log forwarding |
| 636 | TCP | LDAPS | Secure LDAP |
| 1812/1813 | UDP | RADIUS | AAA for network access |
| 3389 | TCP | RDP | Remote desktop |
| 5060/5061 | UDP/TCP | SIP | VoIP signaling |

Exam traps

53 TCP/UDP DNS is not UDP-only. TCP matters for zone transfers and some larger responses.

22 vs 23 SSH is secure management; Telnet is plaintext and mostly a legacy comparison point.

161/162 SNMP uses 161 for queries and 162 for traps/notifications.

