

# Security+ SY0-701 Ports Sheet

Most testable ports, protocol names, and quick use cases in one place.

<b>BEST FOR</b> Port memorization and protocol differentiation	<b>FOCUS</b> Secure alternatives, AAA, email, web, and file transfer	<b>USE WITH</b> Quick Summary + Cheat Sheet
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Port	Proto	Name	Use case
20/21	TCP	FTP	Legacy file transfer; insecure, often replaced by SFTP/FTPS
22	TCP	SSH / SFTP / SCP	Encrypted administration and secure file copy
23	TCP	Telnet	Legacy remote shell; insecure and commonly disabled
25	TCP	SMTP	Mail transfer between servers; pair with 587 for submission
49	TCP	TACACS+	AAA often used for network device administration
53	TCP/UDP	DNS	Name resolution; TCP also appears for zone transfer
67/68	UDP	DHCP	Dynamic addressing; server/client flow
69	UDP	TFTP	Simple file transfer, common in device imaging/boot
80	TCP	HTTP	Cleartext web traffic
88	TCP/UDP	Kerberos	Ticket-based authentication in AD environments
110	TCP	POP3	Mail retrieval, usually legacy unless wrapped with TLS
123	UDP	NTP	Time synchronization; critical for logs and Kerberos
137-139	TCP/UDP	NetBIOS	Legacy Windows naming/session services
143	TCP	IMAP	Mail retrieval with server-side folders
161/162	UDP	SNMP	Monitoring and traps; v3 adds security
389	TCP/UDP	LDAP	Directory queries; use 636 for encrypted sessions
443	TCP	HTTPS	TLS-protected web traffic
445	TCP	SMB/CIFS	Windows file sharing; often seen in lateral movement
465	TCP	SMTSPS	Legacy implicit TLS for SMTP
514	UDP	Syslog	Centralized logging transport
587	TCP	SMTP Submission	Mail submission from clients with auth
636	TCP	LDAPS	LDAP over TLS
989/990	TCP	FTPS	FTP wrapped with TLS
993	TCP	IMAPS	Secure IMAP
995	TCP	POP3S	Secure POP3
1433	TCP	MS SQL Server	Database port often cited in scanning questions
3306	TCP	MySQL	Database service port
3389	TCP	RDP	Remote Windows desktop access

**Exam traps**

53 uses UDP most of the time but TCP for zone transfers and larger replies. 389 is LDAP, 636 is LDAPS. 110/995 and 143/993 are insecure/secure retrieval pairs. 80/443 and 20-21 vs 22 are classic legacy-vs-secure comparisons.