

# CompTIA Protocols & Ports

## 220-1001 A+ | Domain 2.0—Networking

Objective 2.1—Compare and contrast TCP and UDP ports, protocols, and their purposes.

(\* = same as Network+ objective)

21	FTP*	80	HTTP*	445	SMB/CIFS*	161, 162	SNMP*
22	SSH*	110	POP3*	427	SLP	137–139	NetBIOS/NetBT
23	Telnet*	143	IMAP*	548	AFP		
25	SMTP*	443	HTTPS*	67, 68	DHCP*		
53	DNS*	3389	RDP*	389	LDAP*		

## 220-1101 A+ | Domain 2.0—Networking

Objective 2.1 Compare and contrast Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) ports, protocols, and their purposes.

(\* = same as A+ objective)

20/21	FTP*	53	DNS*	137/139	NetBIOS/NetBT	443	(TCP) HTTPS*
22	(TCP) SSH*	67/68	(UDP) DHCP*	143	IMAP*	445	SMB/CIFS*
23	Telnet*	80	HTTP*	161/162	SNMP	3389	RDP*
25	SMTP*	110	POP3*	389	LDAP*	69	(UDP) TFTP*

## N10-008 Network+ | Domain 3.0—Networking Fundamentals

Objective 1.5—Explain common ports and protocols, their application, and encrypted alternatives.

(\* = same as A+ objective)

22	SSH*	80	HTTP*	445	SMB*	389	LDAP*
53	DNS*	443	HTTPS*	25	SMTP*	636	LDAPS
22	SFTP*	443	HTTPS (TLS)	587	SMTP (TLS)	514	Syslog
20, 21	FTP*	161, 162	SNMP*	110	POP/POP3*	1433	SQL Server
69	TFTP	3389	RDP*	995	POP3 (TLS)	1521	SQLnet
23	TELNET	123	NTP	143	IMAP*	3306	MySQL
67, 68	DHCP*	5060–5061	SIP	993	IMAP (SSL)		

## SY0-601 Security+ | Multiple Domains

(The Security+ objective don't show port numbers but you should know them)

389	LDAP	5004	SRPT	995	POP3 (TLS)
636	LDAPS	990	FTPS	993	IMAP (TLS)
53	DNS	22	SFTP	67, 68	DHCP
n/a	DNSSEC	161	SNMPv3	5060, 5061	SIP
n/a	S/MIME	80	HTTP		
22	SSH	443	HTTPS		