PROTOCOLS

🔌 Protocol	Stands For	🔢 Port	🔒 Secure?	🔍 Common Use Case
HTTP	HyperText Transfer Protocol	80	No	Browsing websites (insecure data transfer)
HTTPS	HTTP Secure	443	Yes	Secure website browsing
FTP	File Transfer Protocol	21	No	Transfer files between systems
SFTP	SSH File Transfer Protocol	22	Yes	Secure file transfer
SSH	Secure Shell	22	Yes	Remote login and command execution
DNS	Domain Name System	53	No	Resolving domain names to IP addresses
DHCP	Dynamic Host Config Protocol	67/68	No	Assigning IP addresses automatically
SMTP	Simple Mail Transfer Protocol	25	No	Sending emails
SMTPS	SMTP Secure	465	Yes	Secure email sending
IMAP	Internet Message Access Protocol	143	No	Accessing emails from a server
IMAPS	IMAP Secure	993	Yes	Secure email retrieval
POP3	Post Office Protocol v3	110	No	Downloading emails
POP3S	POP3 Secure	995	Yes	Secure email download
TELNET	Telecommunication Network	23	No	Remote access (insecure, outdated)
NTP	Network Time Protocol	123	No	Time synchronization across devices
SNMP	Simple Network Management Protocol	161	No	Monitor and manage network devices
LDAP	Lightweight Directory Access Protocol	389	No	Directory services (e.g., login/authentication)
LDAPS	LDAP Secure	636	Yes	Secure directory services