

# Foundations of Networking: Protocols and CLI Tools

with Greg Sowell

Videos in Foundations of Networking: Protocols and CLI Tools	Topics from MTA Exam 98-366											
	Understanding network infrastructures				Understanding network hardware			Understanding protocols and services				
	Understand Internet, intranet, and extranet	Understand local area networks (LANs)	Understand wide area networks (WANs)	Understand wireless networking	Understand network topologies and access methods	Understand switches	Understand routers	Understand media types	Understand the OSI model	Understand IPv4	Understand IPv6	Understand names resolution
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1. Protocol Basics												
Protocols Roll in Networking									X			X
Connection VS Connectionless									X			X
Port Addresses									X			X
Packets and Frames									X			X
2. Protocols Used in Networking												
ARP and RARP									X	X		X
ICMP									X			X
IGMP									X	X		X
DNS and NetBIOS									X		X	X

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Understand IPv6												
Understand names resolution												
Understand networking services												
Understand TCP/IP												
2. Protocols Used in Networking												
HTTP												X
HTTPS												X
Mail Services: POP, IMAP, and SMTP												X
Transfer VOIP: SIP, MGCP, RTP, and H.323												X
FTP and TFTP												X
SMB												X
SSH												X
RDP												X
SNMP												X
DHCP												X

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3. Common Command Line (Cli) Tools									
ipconfig									
ping, tracert, pathping									
arp									
telnet									
netstat									
nbstat									