Foundations of Networking: Protocols and CLI Tools



with Greg Sowell

		Topics from MTA Exam 98-366																
king: Protocols and CLI Tools	1. Protocol Basics	Understanding network infrastructures	Understand Internet, intranet, and extranet	Understand local area networks (LANs)	Understand wide area networks (WANs)	Understand wireless networking	Understand network topologies and access methods	Understanding network hardware	Understand switches	Understand routers	Understand media types	Understanding protocols and services	Understand the OSI model	Understand IPv4		Understand names resolution	Understand networking services	Understand TCP/IP
letw	Protocols Roll in Networking			П		T		1	П				Х			П	П	x
of N	Connection VS Connectionless												X			\exists	\exists	x
ions	Port Addresses												X					X
ndatio	Packets and Frames												X					X
Four	2. Protocols Used in Networking																	
s in	ARP and RARP								L				X	X	Ш	ightharpoons	\Box	X
Videos	ICMP					$ \bot $							X			_	X	-
<u>></u>	IGMP								L				X	X	Щ	$\overline{}$	X	-
	DNS and NetBIOS												X			X	X	X

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king	2. Protocols Used in Networking		_	Ŧ	Ţ						1					4	
Networkin	HTTP		_	4	4			$oxed{oxed}$				X		H	X	-+	X
Net	HTTPS			_	4							X			X	-	X
of	Mail Services: POP, IMAP, and SMTP		_		_							X				ightharpoonup	X
oundations	Transfer VOIP: SIP, MGCP, RTP, and H.323											X					X
ıdat	FTP and TFTP											X					X
Four	SMB				\perp							X					X
<u>=</u> .	SSH											X					X
Videos	RDP											X					X
Vio	SNMP											X				X	X
	DHCP											Х			X	X	X

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oundations	Common Command Line (Cli) Tools ipconfig				۹			1						Y	Y	Y	v	Y
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Videos	netstat		\dashv		\dashv	\dashv								$\overline{}$	<u>^</u>	_	<u>^</u>	_
	nbstat				\dashv								$\overline{}$	<u>х</u>	-	X	$\overline{}$	
	Histor													<u>^</u>		<u>^</u>	<u>^</u>	<u>^</u>