	2.1.1	2.1.1	2.1.1	2.1.4	2.1.4	2.2.1	2.1.1	2.1.3	2.1.4	2.1.4	2.1.4	2.1.4	2.1.4	2.1.4	2.1.4	2.1.4	2.1.4	2.2.1	2.2.1	2.2.1	2.2.1	2.2.1	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.3	2.2.4	2.2.4	2.2.4	2.3.1	2.3.1	2.3.2	2.3.3	2.3.3	2.3.4	2.3.4
Device type	Network name	Ping scan					Nmap: ping scan	Zenmap: aggressive scan	Nmap: aggressive scan (Mac Address)	Nmap: service & version detection	Nmap: high intensity scan	Nmap: low intensity scan	Nmap: script search	Nmap: specific script	Nmap: multiple scripts	Nmap: HTTP info	Nmap: HTTP headers	SMB: nmblookup	SMB: sbtscan	SMB: nbstat	SMB: smb-os-discovery	SMB: smb-enum-shares	WMI: Test-WSMan	WMI: ipconfig	WMI: Get-WmiObject Win32_UserAccount	WMI: Get-WmiObject lsass.exe	WMI: Get-CimInstance Win32_Process	LDAP: user objects	ffuf: list all	ffuf: list interesting	discovered websites	website banners: before fix	website banners: after fix	webserver signature: before fix	enum SMB versions: before fix	enum SMB versions: after fix	nmap: portscan (single host): before fix	nmap: portscan (single host): before fix
Category	Subnet	IP Address	Hostname	OS	Services	MAC Address	sudo nmap -PE -sn	Zenmap -T4 -A -v	sudo nmap -A	nmap -sV	sudo nmap -sV --version-intensity 5	sudo nmap -sV --version-intensity 0	sudo nmap -sV -sC	nmap -sV -p 443 --script=ssl-heartbleed.nse	sudo nmap -sV --script=smb*	sudo nmap --script=http-title	sudo nmap --script=http-headers	nmblookup -A	nbtscan	nmap --script nbstat.nse	nmap --script smb-os-discovery	nmap --script smb-enum-shares -p139,445	Test-WSMan	Invoke-Command -ComputerName USERENDPOINT -ScriptBlock {ipconfig}	Invoke-Command -ComputerName USERENDPOINT -ScriptBlock {Get-WmiObject -Class Win32_UserAccount}	Invoke-Command - ComputerName USERENDPOINT -ScriptBlock {Get-WmiObject -Class Win32_Process -Filter 'name="lsass.exe"'}	Invoke-Command -ComputerName USERENDPOINT -ScriptBlock {Get-CimInstance -ClassName Win32_Process}	ldapsearch -x -H ldap://10.170.0.10 -b "dc=megaquagga,dc=local" "(objectclass=user)"	ffuf -u https://10.170.0.20/FUZZ -w /usr/share/seclists/Fuzzing/fuzz-Bo0oM.txt	ffuf -u https://10.170.0.20/FUZZ -w /usr/share/seclists/Fuzzing/fuzz-Bo0oM.txt -mc 200,401,301,302,307	(GUI)	curl --head http://observer.megaquagga.local	curl --head http://observer.megaquagga.local	(GUI - visit in web browser)	nmap -p445 --script smb-protocols	nmap -p445 --script smb-protocols	sudo nmap -sS -T4	sudo nmap -sS -T4
💻 Workstati	10.160.0.0/24	10.160.0.100	student-host-windows.megaqu	Windows Serv	445/tcp (microsoft-ds)	10.160.0.100 STUDENT-HOST-WI		Nmap scan report for student-host-windows.megaqua	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Looking up status of 10.160.0.100	Doing NBT name scan for	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	wsmid : http://schemas	[10.160.0.100] Connecting to remote server 10.160.0.100 failed with the following error	[10.160.0.100] Connecting to remote server 10.160.0.100	[10.160.0.254] Connecting to remote server 10.160.0.254	[10.160.0.100] Connecting to remote server 10.160.0.100									Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap
🚪 Default g	10.160.0.0/24	10.160.0.254	vyos-sw-lan.megaquagga.local	Linux 4.15 -	22/tcp (ssh)	00:50:56:BA:E9:05		Nmap scan report for vyos-sw-lan.megaquagga.local (10.160.0.254) Host is up	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.160.0.254 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.160.0.254] Connecting to remote server 10.160.0.254 failed with the following error message : The WinRM client cannot process	[10.160.0.254] Connecting to remote server 10.160.0.254 failed with the following error message : The	[10.160.0.254] Connecting to remote server 10.160.0.254 failed with the following error message : The	[10.160.0.254] Connecting to remote server 10.160.0.254 failed with the following error message : The											
💻 Workstati	10.160.0.0/24	10.160.0.10	kali.megaquagga.local	Kali Linux	22/tcp (ssh)			Nmap scan report for kali.megaquagga.local (10.160.0.10)	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.160.0.10 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[10.160.0.10] Connecting to remote server 10.160.0.10 failed with the following error message : The	[10.160.0.10] Connecting to remote server 10.160.0.10 failed with the following error	[10.160.0.100] Connecting to remote server 10.160.0.100 failed with the following	[10.160.0.10] Connecting to remote server 10.160.0.10 failed with the following error											
🛎 Server	10.170.0.0/24	10.170.0.10	ad01.megaquagga.local	Windows Se	53/tcp (domain), 88/tcp (kerberos-			Nmap scan report for ad01.megaquagga.local (10.170.0.10)	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.170.0.10 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	wsmid : http://schemas .dmtf.org/wbe m/wsman/iden	[10.170.0.10] Connecting to remote server 10.170.0.10 failed with the following error message : The	[10.170.0.20] Connecting to remote server 10.170.0.20 failed with the following error	[10.170.0.10] Connecting to remote server 10.170.0.10 failed with the following error	[10.170.0.10] Connecting to remote server 10.170.0.10 failed with the following error	# extended LDIF # # LDAPv3 # base										
🛎 Server	10.170.0.0/24	10.170.0.20	observer.megaquagga.local	Linux	22/tcp (ssh), 80/tcp (http), 389/tcp			Nmap scan report for observer.megaquagga.local (10.170.0.20)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.170.0.20 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSman : <f:WSManFault xmlns:f="http:/	[10.170.0.20] Connecting to remote server 10.170.0.20 failed with the following error message : The WinRM client cannot process	[[10.170.0.20] Connecting to remote server 10.170.0.20 failed with the following error message : The	[10.170.0.20] Connecting to remote server 10.170.0.20 failed with the following error message : The	[10.170.0.20] Connecting to remote server 10.170.0.20 failed with the following error message : The	# extended LDIF # # LDAPv3 # base <dc=megaquagga,dc=loc	/'___\ /'___\	/'___\ /'___\ /'___	https://10.170	HTTP/1.1 302 Found Date: Wed, 21 Jan 2026 03:31:02	usage: ssh [-46AaCfGgK kMNnqsTtVv XxYy] [-B					
🛎 Server	10.170.0.0/24	10.170.0.99	wazuh-siem.megaquagga.local	Linux	443/tcp (https), 88/tcp			Nmap scan report for wazuh-siem.megaquagga.local (10.170.0.99)	Starting Nmap	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Looking up status of 10.170.0.99	Doing NBT name scan for	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Starting Nmap 7.95 (	Test-WSMan : <f:WSManFaul t	[10.170.0.254] Connecting to remote server 10.170.0.254 failed with the following error	[10.170.0.99] Connecting to remote server 10.170.0.99 failed	[10.170.0.99] Connecting to remote server 10.170.0.99	[10.170.0.99] Connecting to remote server 10.170.0.99 failed											
🚪 Default g	10.170.0.0/24	10.170.0.254	vyos-sw-dmz.megaquagga.loc	Linux	ROUTING			Nmap scan report for vyos-sw-dmz.megaquagga.local (10.170.0.254) Host is up	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.170.0.254 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.170.0.254] Connecting to remote server 10.170.0.254 failed with the following error message : The WinRM client cannot process	[10.170.0.254] Connecting to remote server 10.170.0.254 failed with the following error message : The	[10.170.0.254] Connecting to remote server 10.170.0.254 failed with the following error message : The	[10.170.0.254] Connecting to remote server 10.170.0.254 failed with the following error message : The											
🍯 Honeypot	10.171.0.0/24	10.171.0.2	USERENDPOINT.megaquagga.l	IIS Windows	22/tcp (ssh), 80/tcp (http), 135/tcp	IP address NetBIOS Name Server User MAC		Nmap scan report for USERENDPOINT.megaquagga.local (10.171.0.2)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.171.0.2 USERENDPO	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	wsmid : http://schemas .dmtf.org/wbe m/wsman/iden tity/1/wsmanid	[10.171.0.2] Connecting to remote server 10.171.0.2 failed with the following error message : The WinRM client cannot process	[10.1710.0.2] Connecting to remote server 10.1710.0.2 failed with the following error message : WinRM	[10.171.0.2] Connecting to remote server 10.171.0.2 failed with the following error message : The WinRM	[10.171.0.2] Connecting to remote server 10.171.0.2 failed with the following error message : The WinRM											
💻 Workstati	10.171.0.0/24	10.171.0.90	financeteamashia.megaquagga	Linux	5900/tcp (vnc)			Nmap scan report for financeteamashia. megaquagga.local (10.171.0.90)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	name_query failed to find name 10.171.0.90	IP address NetBIOS Name Server User	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test_WSMan : The term 'Test_WSMan' is not recognized as	[10.171.0.90] Connecting to remote server 10.171.0.90 failed with the following error message : The WinRM client cannot process	[10.171.0.90] Connecting to remote server 10.171.0.90 failed with the following error message : The	[10.171.0.90] Connecting to remote server 10.171.0.90 failed with the following error message : The	[10.171.0.90] Connecting to remote server 10.171.0.90 failed with the following error message : The											
💻 Workstati	10.171.0.0/24	10.171.0.91	benitadesk.megaquagga.local	Linux	5900/tcp (vnc)			Nmap scan report for benitadesk.megaquagga.local (10.171.0.91) Host is up (0.15s	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-14	Starting Nmap 7.95 (https://nmap .org) at 2026-01-14	Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	name_query failed to find name 10.171.0.91	Doing NBT name scan for addresses from 10.171.0.91	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.microsoft.com/wbe	[10.171.0.91] Connecting to remote server 10.171.0.91 failed with the following error message : The WinRM client cannot process the request. Default	[10.171.0.91] Connecting to remote server 10.171.0.91 failed with the following error message : The WinRM client cannot	[10.171.0.91] Connecting to remote server 10.171.0.91 failed with the following error message : The WinRM client cannot	[10.171.0.91] Connecting to remote server 10.171.0.91 failed with the following error message : The WinRM client cannot											
🚪 Default g	10.171.0.0/24	10.171.0.254	vyos-sw-lan.megaquagga.local	Linux	80/tcp (http)			Nmap scan report for vyos-sw-lan.megaquagga.local (10.171.0.254) Host is up	tarting Nmap 7.95 (https://nmap .org) at	Nmap scan report for benitadesk. megaquagga .local	tarting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.171.0.254 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test_WSMan : The term 'Test_WSMan' is not recognized as	[10.171.0.254] Connecting to remote server 10.171.0.254 failed with the following error message : The WinRM client cannot process	[10.171.0.254] Connecting to remote server 10.171.0.254 failed with the following error message : The	[10.171.0.254] Connecting to remote server 10.171.0.254 failed with the following error message : The	[10.171.0.254] Connecting to remote server 10.171.0.254 failed with the following error message : The											
💻 Workstati	10.172.0.0/24	10.172.0.50	patpris-pc.megaquagga.local	Linux	5900/tcp (vnc)			Nmap scan report for patpris-pc.megaquagga.local (10.172.0.50) Host is up	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	tarting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.172.0.50 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.172.0.50] Connecting to remote server 10.172.0.50 failed with the following error message : The WinRM client cannot process	[10.172.0.50] Connecting to remote server 10.172.0.50 failed with the following error message : The	[10.172.0.50] Connecting to remote server 10.172.0.50 failed with the following error message : The	[10.172.0.50] Connecting to remote server 10.172.0.50 failed with the following error message : The											
💻 Workstati	10.172.0.0/24	10.172.0.51	adrian-laptop.megaquagga.loca	Linux	5900/tcp (vnc)			Nmap scan report for adrian-laptop.megaquagga.local (10.172.0.51)	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.172.0.51 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[10.172.0.51] Connecting to remote server 10.172.0.51 failed with the following error message : The	[10.172.0.51] Connecting to remote server 10.172.0.51 failed with the following error	[10.172.0.51] Connecting to remote server 10.172.0.51 failed with the following error	[10.172.0.51] Connecting to remote server 10.172.0.51 failed with the following error											
💻 Workstati	10.172.0.0/24	10.172.0.53	shielcatiedesktop.megaquagga	Linux 4.X|5.X	5900/tcp (vnc)			Nmap scan report for shielcatiedesktop. megaquagga.local (10.172.0.53)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	name_query failed to find name 10.172.0.53	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.172.0.53] Connecting to remote server 10.172.0.53 failed with the following error message : The WinRM client cannot process	[10.172.0.53] Connecting to remote server 10.172.0.53 failed with the following error message : The	[10.172.0.53] Connecting to remote server 10.172.0.53 failed with the following error message : The	[10.172.0.53] Connecting to remote server 10.172.0.53 failed with the following error message : The											
💻 Workstati	10.172.0.0/24	10.172.0.54	julia_workstation.megaquagga.l	Linux 4.X|5.X	5900/tcp (vnc)			Nmap scan report for julia_workstation.megaquagga.local	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.172.0.54 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[10.172.0.54] Connecting to remote server 10.172.0.54 failed with the following error message : The	[10.172.0.54] Connecting to remote server 10.172.0.54 failed with the following error	[10.172.0.54] Connecting to remote server 10.172.0.54 failed with the following	[10.172.0.54] Connecting to remote server 10.172.0.54 failed with the following error											
🚪 Default g	10.172.0.0/24	10.172.0.254	vyos-sw-lan.megaquagga.local	VyOS Linux	ROUTING			Nmap scan report for vyos-sw-lan.megaquagga.local (10.172.0.254)	tarting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap		Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.172.0.254 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[10.172.0.254] Connecting to remote server 10.172.0.254 failed with the following error message : The	[10.172.0.254] Connecting to remote server 10.172.0.254 failed with the following	[10.172.0.254] Connecting to remote server 10.172.0.254 failed with the following	[10.172.0.254] Connecting to remote server 10.172.0.254 failed with the following											
💻 Workstati	10.173.0.0/24	10.173.0.70	kipwinstation.megaquagga.loca	Linux 5.X	5900/tcp (vnc), 88/tcp (kerberos-sec)			Warning: OSScan results may be unreliable because we could not find at least 1 open and	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.173.0.70 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.173.0.70] Connecting to remote server 10.173.0.70 failed with the following error message : The WinRM client cannot process	[10.173.0.70] Connecting to remote server 10.173.0.70 failed with the following error message : The	[10.173.0.70] Connecting to remote server 10.173.0.70 failed with the following error message : The	[10.173.0.70] Connecting to remote server 10.173.0.70 failed with the following error message : The											
💻 Workstati	10.173.0.0/24	10.173.0.71	susyit.megaquagga.local	Linux 4.X|5.X	5900/tcp (vnc)			we could not find at least 1 open and 1 closed port Device type:	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.173.0.71 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	Invoke-Command : One or more computer names are not valid. If you are trying to pass a URI, use the	[10.173.0.71] Connecting to remote server 10.173.0.71 failed with the following error	[10.173.0.70] Connecting to remote server 10.173.0.70 failed with the following error	[10.173.0.71] Connecting to remote server 10.173.0.71 failed with the following error											
💻 Workstati	10.173.0.0/24	10.173.0.72	clovisfromit.megaquagga.local	Linux 4.X|5.X	5900/tcp (vnc)			Nmap scan report for clovisfromit.megaquagga.local (10.173.0.72)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 10.173.0.72 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[10.173.0.72] Connecting to remote server 10.173.0.72 failed with the following error message : The WinRM client cannot process	[10.173.0.72] Connecting to remote server 10.173.0.72 failed with the following error message : The	[10.173.0.72] Connecting to remote server 10.173.0.72 failed with the following error message : The	[10.173.0.72] Connecting to remote server 10.173.0.72 failed with the following error message : The											
💻 Workstati	10.173.0.0/24	10.173.0.73	brookcomputer.megaquagga.lo	Linux 4.X|5.X	5900/tcp (vnc)			Nmap scan report for brookcomputer.megaquagga.local	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 10.173.0.73 No reply	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[10.173.0.73] Connecting to remote server 10.173.0.73 failed with the following error message : The	[10.173.0.73] Connecting to remote server 10.173.0.73 failed with the following error	[10.173.0.73] Connecting to remote server 10.173.0.73 failed with the following error	[10.173.0.73] Connecting to remote server 10.173.0.73 failed with the following error											
🚪 Default g	10.173.0.0/24	10.173.0.254	vyos-sw-lan.megaquagga.local	VyOS Linux -	ROUTING			Nmap scan report for vyos-sw-lan.megaquagga.local (10.173.0.254) Host is up (0.00036s	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-14		Starting Nmap 7.95 (https://nmap .org) at 2026-01-14	Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	Looking up status of 10.173.0.254 No reply from 10.173.0.254	Doing NBT name scan for addresses from 10.173.0.254	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.microsoft.com/wbe	[10.173.0.254] Connecting to remote server 10.173.0.254 failed with the following error message : The WinRM client cannot process the request. Default	[10.173.0.254] Connecting to remote server 10.173.0.254 failed with the following error message : The WinRM client cannot	[10.173.0.254] Connecting to remote server 10.173.0.254 failed with the following error message : The WinRM client cannot	[10.173.0.254] Connecting to remote server 10.173.0.254 failed with the following error message : The WinRM client cannot											
🚪 Default g	172.16.20.0/24	172.16.20.20	internal-fw.megaquagga.local	Could not detect				Nmap scan report for internal-fw.megaquagga.local (172.16.20.200)	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap		Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	name_query failed to find name 172.16.20.20	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[172.16.20.200] Connecting to remote server 172.16.20.200 failed with the following error message :	[172.16.20.200] Connecting to remote server 172.16.20.200 failed with the following	[172.16.20.200] Connecting to remote server 172.16.20.200 failed with the following	[172.16.20.200] Connecting to remote server 172.16.20.200 failed with the following											
🚪 Default g	172.16.20.0/24	172.16.20.25	vyos-sw-dmz.megaquagga.loc	Linux 2.6.X	8080/tcp (http-proxy)			Nmap scan report for vyos-sw-dmz.megaquagga.local	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap		Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 172.16.20.25 4	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[172.16.20.254] Connecting to remote server 172.16.20.254 failed with the following error message :	[172.16.20.254] Connecting to remote server 172.16.20.254 failed with the following	[172.16.20.254] Connecting to remote server 172.16.20.254 failed with the following	[172.16.20.254] Connecting to remote server 172.16.20.254 failed with the following											
🔥 Firewall	172.16.21.0/24	172.16.21.200	external-fw.megaquagga.local	FreeBSD 11.X	22/tcp (ssh), 53/tcp (domain),			Nmap scan report for external-fw.megaquagga.local (172.16.21.200)	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	tarting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap		Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Looking up status of 172.16.21.20 0	Doing NBT name scan for addresses	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Starting Nmap 7.95 (https://nmap	Test-WSMan : <f:WSManFault xmlns:f="http:/	[172.16.21.200] Connecting to remote server 172.16.21.200 failed with the following error message :	[172.16.20.200] Connecting to remote server 172.16.20.200 failed with the following	[172.16.21.200] Connecting to remote server 172.16.21.200 failed with the following	[172.16.21.200] Connecting to remote server 172.16.21.200 failed with the following											
🔥 Firewall	172.16.21.0/24	172.16.21.254	vyos-sw-dmz.megaquagga.loc	Linux 2.6.18 –	ROUTING			Nmap scan report for vyos-sw-dmz.megaquagga.local (172.16.21.254) Host is up	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-14		Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	name_query failed to find name 172.16.21.25 4	Doing NBT name scan for addresses from 172.16.21.25	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.microsoft.com/wbe	[172.16.21.254] Connecting to remote server 172.16.21.254 failed with the following error message : The WinRM client cannot process the request. Default	[172.16.21.254] Connecting to remote server 172.16.21.254 failed with the following error message : The WinRM client	[172.16.20.254] Connecting to remote server 172.16.20.254 failed with the following error message : The WinRM client	[172.16.21.254] Connecting to remote server 172.16.21.254 failed with the following error message : The WinRM client cannot											
🔥 Firewall	192.168.11.0/24	192.168.11.20	internal-fw.megaquagga.local	FreeBSD 11.X	22/tcp (ssh), 53/tcp (domain), 80/tcp (http),			Nmap scan report for internal-fw.megaquagga.local (192.168.11.200) Host is up (0.00092s	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-13	Starting Nmap 7.95 (https://nmap .org) at 2026-01-14		Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	Starting Nmap 7.95 (https://nmap .org) at 2026-01-16	Looking up status of 192.168.11.2 00 No reply from	Doing NBT name scan for addresses from 192.168.11.2	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Starting Nmap 7.95 (https://nmap .org) at 2026-01-19	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.microsoft.com/wbe	[192.168.11.200] Connecting to remote server 192.168.11.200 failed with the following error message : The WinRM client cannot process the request. Default	[192.198.11.200] Connecting to remote server 192.198.11.200 failed with the following error message : The WinRM client	[192.168.11.200] Connecting to remote server 192.168.11.200 failed with the following error message : The WinRM client	[192.168.11.200] Connecting to remote server 192.168.11.200 failed with the following error message : The WinRM client											
🚦 Switch	192.168.11.0/24	192.168.11.25	vyos-sw-lan.megaquagga.local	Unknown / N	ROUTING			Nmap scan report for vyos-sw-lan.megaquagga.local (192.168.11.254) Host is up	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 192.168.11.25 4 No reply from	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[192.168.11.254] Connecting to remote server 192.168.11.254 failed with the following error message : The WinRM client cannot	[192.168.11.254] Connecting to remote server 192.168.11.254 failed with the following error message :	[192.168.11.254] Connecting to remote server 192.168.11.254 failed with the following error message :	[192.168.11.254] Connecting to remote server 192.168.11.254 failed with the following error message :											
🔥 Firewall	192.168.100.0/24	192.168.100.2	external-fw.megaquagga.local	FreeBSD 11.X	22/tcp (ssh), 53/tcp (domain), 80/tcp			Nmap scan report for external-fw.megaquagga.local (192.168.100.200)	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at		Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Looking up status of 192.168.100. 200 No reply	Doing NBT name scan for addresses from	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Starting Nmap 7.95 (https://nmap .org) at	Test-WSMan : <f:WSManFault xmlns:f="http://schemas.micr	[192.168.100.200] Connecting to remote server 192.168.100.200 failed with the following error message : The WinRM client cannot		[192.168.100.200] Connecting to remote server 192.168.100.200 failed with the following error message :	[192.168.100.200] Connecting to remote server 192.168.100.200 failed with the following error message :											

Running: Linux 5.X
OS CPE: cpe:/o:linux:linux_kernel:5
OS details: Linux 5.0 - 5.3
Uptime guess: 7.306 days (since Sun Jan 4 12:19:42 2026)
Network Distance: 2 hops
TCP Sequence Prediction: Difficulty=247 (Good luck!)
IP ID Sequence Generation: All zeros

TRACEROUTE (using port 5900/tcp)

Notes
could not find 192.168.100.1
hostnames/IP column in red - the short name already esxists withing domain, therefoire couldnt create a new IPv4
vyos-sw-lan
10.160.0.254
10.170.0.254
10.171.0.254
10.172.0.254
10.173.0.254
172.16.20.254
172.16.21.254
172.168.11.254

Chapter 9 lesson 3 - my nbtscan only worked for 2 ips - 10.171.0.2 and 10.160.0.100. So what are the 2PC question about? N/A if not found. probably blocked by firewall or other devices

Chapter 9 lesson 5 I am not seeing all the physical network i created. I created one everytime i created a netwoek device.

All IP ending with .1 switches (hubs) Sprit 1 replacement of hubs to swicthes
254 defalt gateways (routers)

yeldar.yestayev@tripleten.com

Access lesson 63b to create a new IP addres within the new network device
You shouldnt be adding a name the section will provide the correct info to add to in order to create the new

Chapter 9 lesson 5 topic 7

Chaper 9 lesson 7 middleware ?

cant find the ip Address while trying to enter the endpoint to new PC on Itop 10.173.0.73
are mac addresses related to mac laptops only?