

Assignment - 3

① Top 25 port numbers, protocols & uses

<u>Port No.</u>	<u>Protocol</u>	<u>Service Name</u>	<u>Use/Purpose</u>
1. 20	TCP	FTP (Data)	Transfer files / data
2. 21	TCP	FTP (Control)	FTP command control
3. 22	TCP	SSH	Secure remote logon
4. 23	TCP	Telnet	Remote login (unencrypted)
5. 25	TCP	SMTP	sending emails
6. 53	TCP/UDP	DNS	Domain name resolution
7. 67	UDP	DHCP	Assigns IP address (server)
8. 68	UDP	DHCP	Receives IP address (client)
9. 69	UDP	TFTP	simple file transfer
10. 80	TCP	HTTP	web browsing (non-secure)
11. 110	TCP	POP3	Receive emails
12. 119	TCP	NNTP	Network news transfer
13. 123	UDP	NTP	Time synchronization
14. 137	UDP	NetBIOS	Name Services
15. 138	UDP	NetBIOS	Datagram Services
16. 139	TCP	NetBIOS	File & printer sharing ..
17. 143	TCP	IMAP	Receive emails
18. 161	UDP	SNMP	Network management
19. 162	UDP	SNMP Trap	Alert notifications
20. 389	TCP/UDP	LDAP	Directory services
21. 443	TCP	HTTPS	secure web browsing
22. 445	TCP	SMB	file sharing (Windows)
23. 3306	TCP	MySQL	Database communication
24. 3389	TCP	RDP	Remote desktop access
25. 8080	TCP	HTTP-Alt	

Nmap Scan

1) Facebook

IP address: 163.70.140.35

Open ports 443

Topology

Facebook.com
255.0.0.3

255.0.0.2

10.240.55.188

localhost

Operating system name: APC Network Management Card

2) Amazon

IP address: 68.87.170.74

Open ports: 80 443

http https

Topology

Amazon.com

255.0.0.3

255.0.0.2

10.240.55.188

localhost

3) Instagram

IP address: 163.70.140.174

Open ports: 443

Operating system:

APC Network Management Card 3