Ex040 WireShark

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Executive Summary

Summary of Findings

KEY006-DqyhqMKZIfctuGGA2/6rEw==

Attack Narrative

By utilizing the Wireshark traceroute (traceroute -I plunder.pr0b3.com) and traceroute -I ns.artstailor.com) functionality I traced the path using ICMP echo packets. When probing the plunder.pr0b3.com 57 ICMP packets were sent with 7 null responses. These packets came from 3 sources and had 3 different destinations. When probing ns.artstailor.com 50 IMCP packets were sent with 3 null responses. These packets come from 3 sources and go to 3 different destinations.

tracerout sent out 28 pings before it stopped but it didn't need to send them all.In the event that the host didn't reply to ICMP ECHO requests or requests from any other default ports I would first use UDP since those are less likely to be ignored than their ICMP counterparts and I would also try and use the -p flag for UDP and ICMP tracing to allow for incremental increasing to find port numbers.

Refer to the images below for a visual description of the steps taken to acquire KEY006.

```
(kali@ kali)-[~]
sifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
   inet 172.24.0.10 netmask 255.255.255.0 broadcast 172.24.0.255
   inet6 fe80::250:56ff:fe87:b7d1 prefixlen 64 scopeid 0×20<link>
   ether 00:50:56:87:b7:d1 txqueuelen 1000 (Ethernet)
   RX packets 261 bytes 23923 (23.3 KiB)
   RX errors 0 dropped 0 overruns 0 frame 0
   TX packets 283 bytes 25359 (24.7 KiB)
   TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
   inet 127.0.0.1 netmask 255.0.0.0
   inet6 ::1 prefixlen 128 scopeid 0×10<host>
   loop txqueuelen 1000 (Local Loopback)
   RX packets 32 bytes 1640 (1.6 KiB)
   RX errors 0 dropped 0 overruns 0 frame 0
   TX packets 32 bytes 1640 (1.6 KiB)
   TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



