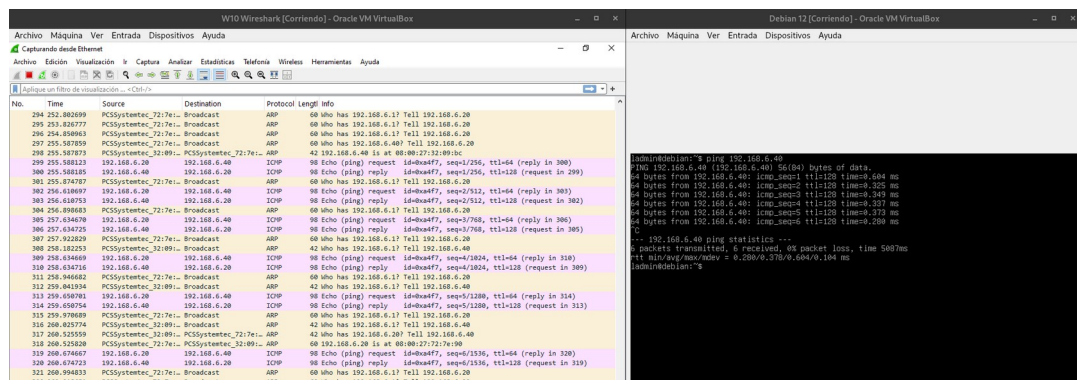
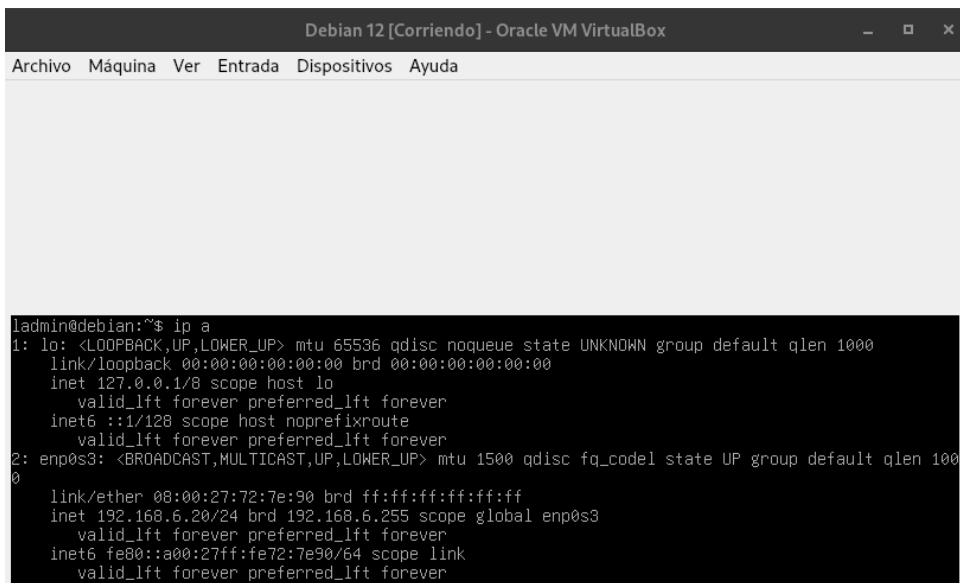
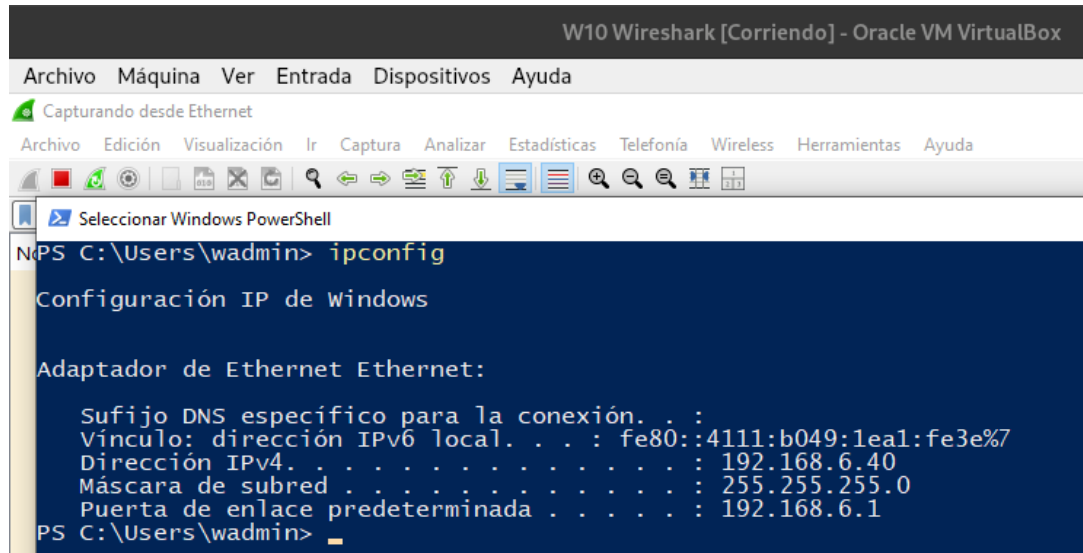


- Instala Wireshark na máquina de W10
- Configura on interfaz de rede en modo promíscuo e arráncao.
- Executa un ping único dende debian server con destino ao W10. Analiza as peticións ICMP e comproba, mediante capturas, que tanto as MAC como as IP de orixe e destino son correctas



Se fas un ping entre os dous linux, tamén o captura?

Sí, tamén o captura

W10 Wireshark [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

Capturando desde Ethernet

Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda

Aplicar un filtro de visualización... <Ctrl-F>

No.	Time	Source	Destination	Protocol	Length	Info
15	5.738308	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=4/1824, ttl=64 (reply in 16)
16	5.738480	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=4/1824, ttl=64 (request in 15)
17	5.802223	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20
18	6.762337	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=5/1280, ttl=64 (reply in 19)
19	6.762327	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=5/1280, ttl=64 (request in 18)
20	6.826369	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20
21	7.763374	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=6/1536, ttl=64 (reply in 22)
22	7.763504	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=6/1536, ttl=64 (request in 21)
23	7.858062	PCSSystemtec_72:7e:1...	PCSSystemtec_a6:01:1...	ARP	60	Who has 192.168.6.30? Tell 192.168.6.20
24	7.858362	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20
25	7.858464	PCSSystemtec_a6:01:1...	PCSSystemtec_72:7e:1...	ARP	60	192.168.6.30 is at 08:00:27:a6:01:06
26	7.956716	PCSSystemtec_a6:01:1...	PCSSystemtec_72:7e:1...	ARP	60	Who has 192.168.6.20? Tell 192.168.6.30
27	7.956814	PCSSystemtec_72:7e:1...	PCSSystemtec_a6:01:1...	ARP	60	192.168.6.20 is at 08:00:27:72:7e:10
28	8.778564	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=7/1792, ttl=64 (reply in 29)
29	8.778540	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=7/1792, ttl=64 (request in 28)
30	8.874422	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20
31	9.805359	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=8/2048, ttl=64 (reply in 32)
32	9.805436	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=8/2048, ttl=64 (request in 31)
33	9.898338	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20
34	10.007252	192.168.6.20	192.168.6.30	ICMP	98	Echo (ping) request id=0x1624, seq=9/2304, ttl=64 (request in 34)
35	10.007340	192.168.6.30	192.168.6.20	ICMP	98	Echo (ping) reply id=0x1624, seq=9/2304, ttl=64 (request in 34)
36	10.922270	PCSSystemtec_72:7e:1...	Broadcast	ARP	60	Who has 192.168.6.1? Tell 192.168.6.20

> From 1: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface 0000
> Ethernet II, Src: PCSSystemtec_32:09:bc (08:00:27:32:09:bc), Dst: Broadcast 0018
> Address Resolution Protocol (request) 0029

0000 ff ff ff ff ff ff 08 00 27 32 09 bc 08 06 00 01
0018 00 00 06 04 00 01 08 00 27 32 09 bc c0 a8 06 202....
0029 00 00 00 00 00 00 c0 a8 06 01

Debian 12 [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

admin@debian:~\$ ping 192.168.6.30

PING 192.168.6.30 (192.168.6.30) 56(84) bytes of data:

64 bytes from 192.168.6.30: icmp_seq=1 ttl=64 time=0.249 ms

64 bytes from 192.168.6.30: icmp_seq=2 ttl=64 time=0.274 ms

64 bytes from 192.168.6.30: icmp_seq=3 ttl=64 time=0.208 ms

64 bytes from 192.168.6.30: icmp_seq=4 ttl=64 time=0.189 ms

64 bytes from 192.168.6.30: icmp_seq=5 ttl=64 time=0.230 ms

64 bytes from 192.168.6.30: icmp_seq=6 ttl=64 time=0.257 ms

64 bytes from 192.168.6.30: icmp_seq=7 ttl=64 time=0.240 ms

^C

--- 192.168.6.30 ping statistics ---

7 packets transmitted, 7 received, 0% packet loss, time 6090ms

rtt min/avg/max/mdev = 0.189/0.236/0.274/0.025 ms

admin@debian:~\$ ping 192.168.6.30

PING 192.168.6.30 (192.168.6.30) 56(84) bytes of data:

64 bytes from 192.168.6.30: icmp_seq=1 ttl=64 time=0.211 ms

64 bytes from 192.168.6.30: icmp_seq=2 ttl=64 time=0.394 ms

64 bytes from 192.168.6.30: icmp_seq=3 ttl=64 time=0.396 ms

64 bytes from 192.168.6.30: icmp_seq=4 ttl=64 time=0.391 ms

64 bytes from 192.168.6.30: icmp_seq=5 ttl=64 time=0.267 ms

64 bytes from 192.168.6.30: icmp_seq=6 ttl=64 time=0.304 ms

64 bytes from 192.168.6.30: icmp_seq=7 ttl=64 time=0.396 ms

64 bytes from 192.168.6.30: icmp_seq=8 ttl=64 time=0.240 ms

64 bytes from 192.168.6.30: icmp_seq=9 ttl=64 time=0.255 ms