# Kali Liunx 2024.3 window 1

─(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.2 netmask 255.255.255.0 up

[sudo] password for yao:

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth1 10.0.3.10 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.2 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fea0:4c20 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 27 bytes 4781 (4.6 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 8 bytes 480 (480.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 8 bytes 480 (480.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.2 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.2 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.2 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth1 10.0.3.10 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.15 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 6 bytes 360 (360.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 12 bytes 928 (928.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 12 bytes 928 (928.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth1

SIOCADDRT: Network is unreachable

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ufw disable # 禁用防火墙

sudo: ufw: command not found

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.3.10

ping: connect: Network is unreachable

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 9 bytes 540 (540.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 15 bytes 1264 (1.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 15 bytes 1264 (1.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo sysctl -w net.ipv4.ip\_forward=1

net.ipv4.ip\_forward = 1

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -t nat -A POSTROUTING -o eth1 -j MASQUERADE

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -A FORWARD -i eth0 -o eth1 -j ACCEPT

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -A FORWARD -i eth1 -o eth0 -j ACCEPT

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.10 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.10 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 9 bytes 540 (540.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fea0:4c20 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 91 bytes 16261 (15.8 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 15 bytes 1264 (1.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 15 bytes 1264 (1.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig -a

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 9 bytes 540 (540.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fea0:4c20 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 107 bytes 19265 (18.8 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 15 bytes 1264 (1.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 15 bytes 1264 (1.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.15 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 9 bytes 540 (540.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fea0:4c20 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 123 bytes 22001 (21.4 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 15 bytes 1264 (1.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 15 bytes 1264 (1.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth1 10.0.3.10 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 9 bytes 540 (540.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 124 bytes 22331 (21.8 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 15 bytes 1264 (1.2 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 15 bytes 1264 (1.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.10 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

64 bytes from 10.0.3.10: icmp\_seq=1 ttl=64 time=0.029 ms

64 bytes from 10.0.3.10: icmp\_seq=2 ttl=64 time=0.039 ms

64 bytes from 10.0.3.10: icmp\_seq=3 ttl=64 time=0.036 ms

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.1

PING 10.0.3.1 (10.0.3.1) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 10.0.3.1

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo sysctl -w net.ipv4.ip\_forward=1

net.ipv4.ip\_forward = 1

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

64 bytes from 10.0.3.10: icmp\_seq=1 ttl=64 time=0.032 ms

64 bytes from 10.0.3.10: icmp\_seq=2 ttl=64 time=0.035 ms

64 bytes from 10.0.3.10: icmp\_seq=3 ttl=64 time=0.040 ms

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=2 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1 dev eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo sysctl net.ipv4.ip\_forward

net.ipv4.ip\_forward = 1

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -A FORWARD -i eth1 -o eth0 -j ACCEPT

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo iptables -A FORWARD -i eth0 -o eth1 -j ACCEPT

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=4 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=5 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo systemctl restart networking

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=4 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo dhclient -r eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo dhclient eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0

10.0.2.0/24 dev eth0 proto kernel scope link src 10.0.2.15

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo systemctl restart NetworkManager

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo nmcli device connect eth0

Device 'eth0' successfully activated with 'b82e0759-dc54-4187-a846-07263709af32'.

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.15 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.15 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.1

PING 10.0.3.1 (10.0.3.1) 56(84) bytes of data.

From 10.0.3.10 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 10.0.3.1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0 proto static metric 102

10.0.2.0/24 dev eth0 proto kernel scope link src 10.0.2.15 metric 102

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.15 metric 102

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del -net 10.0.3.0/24 dev eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.2.2

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.2.2 dev eth0

10.0.2.0/24 dev eth0 proto kernel scope link src 10.0.2.15 metric 102

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.2.2

PING 10.0.2.2 (10.0.2.2) 56(84) bytes of data.

64 bytes from 10.0.2.2: icmp\_seq=2 ttl=64 time=0.950 ms

64 bytes from 10.0.2.2: icmp\_seq=3 ttl=64 time=0.104 ms

64 bytes from 10.0.2.2: icmp\_seq=4 ttl=64 time=0.147 ms

^Z

zsh: suspended ping 10.0.2.2

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

64 bytes from 8.8.8.8: icmp\_seq=1 ttl=109 time=15.3 ms

64 bytes from 8.8.8.8: icmp\_seq=2 ttl=109 time=14.9 ms

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.15 netmask 255.255.255.0 broadcast 10.0.3.255

inet6 fe80::a00:27ff:febe:8af9 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:be:8a:f9 txqueuelen 1000 (Ethernet)

RX packets 14 bytes 3168 (3.0 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 94 bytes 8324 (8.1 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:a0:4c:20 txqueuelen 1000 (Ethernet)

RX packets 4 bytes 316 (316.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 146 bytes 23727 (23.1 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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 76 bytes 7760 (7.5 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 76 bytes 7760 (7.5 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.11

PING 10.0.3.11 (10.0.3.11) 56(84) bytes of data.

64 bytes from 10.0.3.11: icmp\_seq=1 ttl=64 time=0.235 ms

64 bytes from 10.0.3.11: icmp\_seq=2 ttl=64 time=0.218 ms

64 bytes from 10.0.3.11: icmp\_seq=3 ttl=64 time=0.279 ms

64 bytes from 10.0.3.11: icmp\_seq=4 ttl=64 time=0.230 ms

^Z

zsh: suspended ping 10.0.3.11

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.2.2 dev eth0

10.0.2.0/24 dev eth0 proto kernel scope link src 10.0.2.15 metric 102

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo arpspoof -i eth1 -t 10.0.3.11 10.0.3.1

[sudo] password for yao:

8:0:27:a0:4c:20 8:0:27:e2:e2:60 0806 42: arp reply 10.0.3.1 is-at 8:0:27:a0:4c:20

8:0:27:a0:4c:20 8:0:27:e2:e2:60 0806 42: arp reply 10.0.3.1 is-at 8:0:27:a0:4c:20

8:0:27:a0:4c:20 8:0:27:e2:e2:60 0806 42: arp reply 10.0.3.1 is-at 8:0:27:a0:4c:20

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^Z

zsh: suspended sudo arpspoof -i eth1 -t 10.0.3.11 10.0.3.1

# Kali Liunx 2024.3 window 2

sudo arpspoof -i eth1 -t 10.0.3.1 10.0.3.11

[sudo] password for yao:

Sorry, try again.

[sudo] password for yao:

8:0:27:a0:4c:20 0:0:0:0:0:0 0806 42: arp reply 10.0.3.11 is-at 8:0:27:a0:4c:20

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# Kali Liunx 2024.3 window 3

sudo apt-get install wireshark

[sudo] password for yao:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

ibverbs-providers libboost-iostreams1.83.0 libboost-thread1.83.0 libcephfs2 libgfapi0 libgfrpc0 libgfxdr0 libglusterfs0 libibverbs1 liblua5.2-0 libnghttp3-3 libpython3.11-dev libqt6dbus6t64 libqt6gui6t64 libqt6network6t64

libqt6opengl6t64 libqt6openglwidgets6t64 libqt6printsupport6t64 libqt6sql6t64 libqt6test6t64 libqt6widgets6t64 libqt6xml6t64 librados2 librdmacm1t64 libwireshark17t64 libwiretap14t64 libwsutil15t64 python3-lib2to3

python3.11 python3.11-dev python3.11-minimal samba-vfs-modules

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libavcodec61 libavformat61 libavutil59 libjxl0.10 libqt6core5compat6 libqt6core6t64 libqt6dbus6 libqt6dbus6t64 libqt6gui6 libqt6gui6t64 libqt6multimedia6 libqt6network6 libqt6network6t64 libqt6opengl6 libqt6opengl6t64

libqt6openglwidgets6 libqt6openglwidgets6t64 libqt6printsupport6 libqt6printsupport6t64 libqt6qml6 libqt6qmlmodels6 libqt6quick6 libqt6sql6 libqt6sql6-sqlite libqt6sql6t64 libqt6svg6 libqt6test6 libqt6test6t64

libqt6waylandclient6 libqt6waylandcompositor6 libqt6widgets6 libqt6widgets6t64 libqt6wlshellintegration6 libqt6xml6 libqt6xml6t64 libsrt1.5-gnutls libsvtav1enc2 libswresample5 libswscale8 libvpl2 libwireshark-data

libwireshark18 libwiretap15 libwsutil16 libxcb-cursor0 libxcb-icccm4 python3-pyqt6 python3-pyqt6.sip qt6-base-dev-tools qt6-gtk-platformtheme qt6-qpa-plugins qt6-svg-plugins qt6-wayland qt6ct tshark wireshark-common

Suggested packages:

libcuda1 libnvcuvid1 libnvidia-encode1 wireshark-doc

The following packages will be REMOVED:

libqt6waylandeglclienthwintegration6 libqt6waylandeglcompositorhwintegration6

The following NEW packages will be installed:

libavcodec61 libavformat61 libavutil59 libjxl0.10 libqt6dbus6 libqt6gui6 libqt6network6 libqt6opengl6 libqt6openglwidgets6 libqt6printsupport6 libqt6sql6 libqt6test6 libqt6widgets6 libqt6xml6 libswresample5 libswscale8

libwireshark18 libwiretap15 libwsutil16 libxcb-cursor0 qt6-svg-plugins

The following packages will be upgraded:

libqt6core5compat6 libqt6core6t64 libqt6dbus6t64 libqt6gui6t64 libqt6multimedia6 libqt6network6t64 libqt6opengl6t64 libqt6openglwidgets6t64 libqt6printsupport6t64 libqt6qml6 libqt6qmlmodels6 libqt6quick6 libqt6sql6-sqlite

libqt6sql6t64 libqt6svg6 libqt6test6t64 libqt6waylandclient6 libqt6waylandcompositor6 libqt6widgets6t64 libqt6wlshellintegration6 libqt6xml6t64 libsrt1.5-gnutls libsvtav1enc2 libvpl2 libwireshark-data libxcb-icccm4

python3-pyqt6 python3-pyqt6.sip qt6-base-dev-tools qt6-gtk-platformtheme qt6-qpa-plugins qt6-wayland qt6ct tshark wireshark wireshark-common

36 upgraded, 21 newly installed, 2 to remove and 1958 not upgraded.

Need to get 58.8 MB of archives.

After this operation, 169 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://kali.download/kali kali-rolling/main amd64 qt6-wayland amd64 6.7.2-5 [143 kB]

Get:3 http://http.kali.org/kali kali-rolling/main amd64 libqt6dbus6t64 amd64 6.7.2+dfsg-5kali1 [33.5 kB]

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Get:7 http://http.kali.org/kali kali-rolling/main amd64 qt6-qpa-plugins amd64 6.7.2+dfsg-5kali1 [92.1 kB]

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Get:30 http://http.kali.org/kali kali-rolling/main amd64 libqt6xml6 amd64 6.7.2+dfsg-5kali1 [83.9 kB]

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Extracting templates from packages: 100%

Preconfiguring packages ...

dpkg: libqt6waylandeglcompositorhwintegration6:amd64: dependency problems, but removing anyway as you requested:

qt6-wayland:amd64 depends on libqt6waylandeglcompositorhwintegration6 (>= 6.2.2).

(Reading database ... 396681 files and directories currently installed.)

Removing libqt6waylandeglcompositorhwintegration6:amd64 (6.4.2-5+b2) ...

dpkg: libqt6waylandeglclienthwintegration6:amd64: dependency problems, but removing anyway as you requested:

qt6-wayland:amd64 depends on libqt6waylandeglclienthwintegration6 (>= 6.2.2).

Removing libqt6waylandeglclienthwintegration6:amd64 (6.4.2-5+b2) ...

(Reading database ... 396669 files and directories currently installed.)

Preparing to unpack .../00-qt6-wayland\_6.7.2-5\_amd64.deb ...

Unpacking qt6-wayland:amd64 (6.7.2-5) over (6.4.2-5+b2) ...

Preparing to unpack .../01-libqt6core5compat6\_6.7.2-3\_amd64.deb ...

Unpacking libqt6core5compat6:amd64 (6.7.2-3) over (6.4.2-4+b2) ...

Preparing to unpack .../02-libqt6dbus6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6dbus6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6dbus6:amd64.

Preparing to unpack .../03-libqt6dbus6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6dbus6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../04-libqt6opengl6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6opengl6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../05-libqt6gui6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6gui6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../06-qt6-qpa-plugins\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking qt6-qpa-plugins:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../07-libqt6network6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6network6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6network6:amd64.

Preparing to unpack .../08-libqt6network6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6network6:amd64 (6.7.2+dfsg-5kali1) ...

Selecting previously unselected package libqt6opengl6:amd64.

Preparing to unpack .../09-libqt6opengl6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6opengl6:amd64 (6.7.2+dfsg-5kali1) ...

Selecting previously unselected package libxcb-cursor0:amd64.

Preparing to unpack .../10-libxcb-cursor0\_0.1.4-1+b2\_amd64.deb ...

Unpacking libxcb-cursor0:amd64 (0.1.4-1+b2) ...

Preparing to unpack .../11-libxcb-icccm4\_0.4.2-1\_amd64.deb ...

Unpacking libxcb-icccm4:amd64 (0.4.2-1) over (0.4.1-1.1+b1) ...

Selecting previously unselected package libqt6gui6:amd64.

Preparing to unpack .../12-libqt6gui6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6gui6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../13-libqt6widgets6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6widgets6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6widgets6:amd64.

Preparing to unpack .../14-libqt6widgets6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6widgets6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../15-libqt6svg6\_6.7.2-6\_amd64.deb ...

Unpacking libqt6svg6:amd64 (6.7.2-6) over (6.4.2-4+b2) ...

Preparing to unpack .../16-qt6ct\_0.9-2+b3\_amd64.deb ...

Unpacking qt6ct (0.9-2+b3) over (0.9-2+b1) ...

Preparing to unpack .../17-qt6-gtk-platformtheme\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking qt6-gtk-platformtheme:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../18-qt6-base-dev-tools\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking qt6-base-dev-tools (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../19-python3-pyqt6.sip\_13.9.1-1\_amd64.deb ...

Unpacking python3-pyqt6.sip (13.9.1-1) over (13.6.0-1+b1) ...

Preparing to unpack .../20-libqt6openglwidgets6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6openglwidgets6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6openglwidgets6:amd64.

Preparing to unpack .../21-libqt6openglwidgets6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6openglwidgets6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../22-libqt6printsupport6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6printsupport6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6printsupport6:amd64.

Preparing to unpack .../23-libqt6printsupport6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6printsupport6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../24-libqt6sql6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6sql6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6sql6:amd64.

Preparing to unpack .../25-libqt6sql6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6sql6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../26-libqt6test6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6test6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6test6:amd64.

Preparing to unpack .../27-libqt6test6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6test6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../28-libqt6xml6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6xml6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Selecting previously unselected package libqt6xml6:amd64.

Preparing to unpack .../29-libqt6xml6\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6xml6:amd64 (6.7.2+dfsg-5kali1) ...

Preparing to unpack .../30-python3-pyqt6\_6.8.0-1+b1\_amd64.deb ...

Unpacking python3-pyqt6 (6.8.0-1+b1) over (6.7.0-1) ...

Preparing to unpack .../31-libqt6wlshellintegration6\_6.7.2-5\_amd64.deb ...

Unpacking libqt6wlshellintegration6:amd64 (6.7.2-5) over (6.4.2-5+b2) ...

Preparing to unpack .../32-libqt6waylandclient6\_6.7.2-5\_amd64.deb ...

Unpacking libqt6waylandclient6:amd64 (6.7.2-5) over (6.4.2-5+b2) ...

Preparing to unpack .../33-libqt6qml6\_6.7.2+dfsg-11\_amd64.deb ...

Unpacking libqt6qml6:amd64 (6.7.2+dfsg-11) over (6.4.2+dfsg-4+b2) ...

Preparing to unpack .../34-libqt6qmlmodels6\_6.7.2+dfsg-11\_amd64.deb ...

Unpacking libqt6qmlmodels6:amd64 (6.7.2+dfsg-11) over (6.4.2+dfsg-4+b2) ...

Preparing to unpack .../35-libqt6quick6\_6.7.2+dfsg-11\_amd64.deb ...

Unpacking libqt6quick6:amd64 (6.7.2+dfsg-11) over (6.4.2+dfsg-4+b2) ...

Preparing to unpack .../36-libqt6waylandcompositor6\_6.7.2-5\_amd64.deb ...

Unpacking libqt6waylandcompositor6:amd64 (6.7.2-5) over (6.4.2-5+b2) ...

Preparing to unpack .../37-libqt6sql6-sqlite\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6sql6-sqlite:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../38-libvpl2\_1%3a2.13.0-1\_amd64.deb ...

Unpacking libvpl2 (1:2.13.0-1) over (2023.3.0-1) ...

Selecting previously unselected package libavutil59:amd64.

Preparing to unpack .../39-libavutil59\_7%3a7.1-3+b1\_amd64.deb ...

Unpacking libavutil59:amd64 (7:7.1-3+b1) ...

Selecting previously unselected package libjxl0.10:amd64.

Preparing to unpack .../40-libjxl0.10\_0.10.4-2\_amd64.deb ...

Unpacking libjxl0.10:amd64 (0.10.4-2) ...

Preparing to unpack .../41-libsvtav1enc2\_2.3.0+dfsg-1\_amd64.deb ...

Unpacking libsvtav1enc2:amd64 (2.3.0+dfsg-1) over (2.1.0+dfsg-2) ...

Selecting previously unselected package libswresample5:amd64.

Preparing to unpack .../42-libswresample5\_7%3a7.1-3+b1\_amd64.deb ...

Unpacking libswresample5:amd64 (7:7.1-3+b1) ...

Selecting previously unselected package libavcodec61:amd64.

Preparing to unpack .../43-libavcodec61\_7%3a7.1-3+b1\_amd64.deb ...

Unpacking libavcodec61:amd64 (7:7.1-3+b1) ...

Preparing to unpack .../44-libsrt1.5-gnutls\_1.5.4-1\_amd64.deb ...

Unpacking libsrt1.5-gnutls:amd64 (1.5.4-1) over (1.5.3-1+b2) ...

Selecting previously unselected package libavformat61:amd64.

Preparing to unpack .../45-libavformat61\_7%3a7.1-3+b1\_amd64.deb ...

Unpacking libavformat61:amd64 (7:7.1-3+b1) ...

Selecting previously unselected package libswscale8:amd64.

Preparing to unpack .../46-libswscale8\_7%3a7.1-3+b1\_amd64.deb ...

Unpacking libswscale8:amd64 (7:7.1-3+b1) ...

Preparing to unpack .../47-libqt6multimedia6\_6.7.2-7\_amd64.deb ...

Unpacking libqt6multimedia6:amd64 (6.7.2-7) over (6.4.2-11+b2) ...

Preparing to unpack .../48-libqt6core6t64\_6.7.2+dfsg-5kali1\_amd64.deb ...

Unpacking libqt6core6t64:amd64 (6.7.2+dfsg-5kali1) over (6.4.2+dfsg-21.1+b1) ...

Preparing to unpack .../49-libwireshark-data\_4.4.3-1\_all.deb ...

Unpacking libwireshark-data (4.4.3-1) over (4.2.5-1) ...

Selecting previously unselected package libwsutil16:amd64.

Preparing to unpack .../50-libwsutil16\_4.4.3-1\_amd64.deb ...

Unpacking libwsutil16:amd64 (4.4.3-1) ...

Selecting previously unselected package libwiretap15:amd64.

Preparing to unpack .../51-libwiretap15\_4.4.3-1\_amd64.deb ...

Unpacking libwiretap15:amd64 (4.4.3-1) ...

Selecting previously unselected package libwireshark18:amd64.

Preparing to unpack .../52-libwireshark18\_4.4.3-1\_amd64.deb ...

Unpacking libwireshark18:amd64 (4.4.3-1) ...

Selecting previously unselected package qt6-svg-plugins:amd64.

Preparing to unpack .../53-qt6-svg-plugins\_6.7.2-6\_amd64.deb ...

Unpacking qt6-svg-plugins:amd64 (6.7.2-6) ...

Preparing to unpack .../54-tshark\_4.4.3-1\_amd64.deb ...

Unpacking tshark (4.4.3-1) over (4.2.5-1) ...

Preparing to unpack .../55-wireshark-common\_4.4.3-1\_amd64.deb ...

Unpacking wireshark-common (4.4.3-1) over (4.2.5-1) ...

Preparing to unpack .../56-wireshark\_4.4.3-1\_amd64.deb ...

Unpacking wireshark (4.4.3-1) over (4.2.5-1) ...

Setting up libqt6core6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6test6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libvpl2 (1:2.13.0-1) ...

Setting up libqt6test6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libxcb-icccm4:amd64 (0.4.2-1) ...

Setting up libavutil59:amd64 (7:7.1-3+b1) ...

Setting up libswresample5:amd64 (7:7.1-3+b1) ...

Setting up libswscale8:amd64 (7:7.1-3+b1) ...

Setting up libqt6xml6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libsvtav1enc2:amd64 (2.3.0+dfsg-1) ...

Setting up libqt6sql6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6sql6-sqlite:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libxcb-cursor0:amd64 (0.1.4-1+b2) ...

Setting up libsrt1.5-gnutls:amd64 (1.5.4-1) ...

Setting up libwireshark-data (4.4.3-1) ...

Setting up libwsutil16:amd64 (4.4.3-1) ...

Setting up libqt6core5compat6:amd64 (6.7.2-3) ...

Setting up python3-pyqt6.sip (13.9.1-1) ...

Setting up libqt6dbus6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libjxl0.10:amd64 (0.10.4-2) ...

Setting up qt6-base-dev-tools (6.7.2+dfsg-5kali1) ...

Setting up libwiretap15:amd64 (4.4.3-1) ...

Setting up libqt6sql6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6dbus6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6xml6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6gui6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up qt6-gtk-platformtheme:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libwireshark18:amd64 (4.4.3-1) ...

Setting up libavcodec61:amd64 (7:7.1-3+b1) ...

Setting up libqt6gui6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6network6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6network6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up wireshark-common (4.4.3-1) ...

Setting up qt6-qpa-plugins:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6qml6:amd64 (6.7.2+dfsg-11) ...

Setting up libqt6opengl6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6opengl6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6qmlmodels6:amd64 (6.7.2+dfsg-11) ...

Setting up libavformat61:amd64 (7:7.1-3+b1) ...

Setting up libqt6widgets6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up tshark (4.4.3-1) ...

Setting up libqt6svg6:amd64 (6.7.2-6) ...

Setting up libqt6waylandclient6:amd64 (6.7.2-5) ...

Setting up qt6-svg-plugins:amd64 (6.7.2-6) ...

Setting up libqt6quick6:amd64 (6.7.2+dfsg-11) ...

Setting up qt6ct (0.9-2+b3) ...

Setting up libqt6openglwidgets6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6wlshellintegration6:amd64 (6.7.2-5) ...

Setting up libqt6widgets6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6multimedia6:amd64 (6.7.2-7) ...

Setting up libqt6printsupport6:amd64 (6.7.2+dfsg-5kali1) ...

Setting up wireshark (4.4.3-1) ...

Setting up python3-pyqt6 (6.8.0-1+b1) ...

Setting up libqt6waylandcompositor6:amd64 (6.7.2-5) ...

Setting up libqt6openglwidgets6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up libqt6printsupport6t64:amd64 (6.7.2+dfsg-5kali1) ...

Setting up qt6-wayland:amd64 (6.7.2-5) ...

Processing triggers for desktop-file-utils (0.27-2) ...

Processing triggers for hicolor-icon-theme (0.18-1) ...

Processing triggers for libc-bin (2.38-13) ...

Processing triggers for man-db (2.12.1-2) ...

Processing triggers for shared-mime-info (2.4-5) ...

Warning: program compiled against libxml 212 using older 209

Processing triggers for kali-menu (2024.3.1) ...

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo wireshark

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo wireshark

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo apt update

Get:1 http://mirror.vinehost.net/kali kali-rolling InRelease [41.5 kB]

Get:2 http://mirror.vinehost.net/kali kali-rolling/main amd64 Packages [20.3 MB]

Get:3 http://mirror.vinehost.net/kali kali-rolling/main amd64 Contents (deb) [48.9 MB]

Get:4 http://mirror.vinehost.net/kali kali-rolling/contrib amd64 Packages [111 kB]

Get:5 http://mirror.vinehost.net/kali kali-rolling/contrib amd64 Contents (deb) [259 kB]

Get:6 http://mirror.vinehost.net/kali kali-rolling/non-free amd64 Packages [185 kB]

Get:7 http://mirror.vinehost.net/kali kali-rolling/non-free amd64 Contents (deb) [863 kB]

Get:8 http://mirror.vinehost.net/kali kali-rolling/non-free-firmware amd64 Packages [10.6 kB]

Fetched 70.7 MB in 28s (2559 kB/s)

1986 packages can be upgraded. Run 'apt list --upgradable' to see them.

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo apt install python3-scapy

python3-scapy is already the newest version (2.6.1+dfsg-1).

python3-scapy set to manually installed.

The following packages were automatically installed and are no longer required:

ibverbs-providers libcephfs2 libgfxdr0 liblua5.2-0 libqt6dbus6t64 libqt6opengl6t64 libqt6sql6t64 libqt6xml6t64 libwireshark17t64 python3-lib2to3 python3.11-minimal

libboost-iostreams1.83.0 libgfapi0 libglusterfs0 libnghttp3-3 libqt6gui6t64 libqt6openglwidgets6t64 libqt6test6t64 librados2 libwiretap14t64 python3.11 samba-vfs-modules

libboost-thread1.83.0 libgfrpc0 libibverbs1 libpython3.11-dev libqt6network6t64 libqt6printsupport6t64 libqt6widgets6t64 librdmacm1t64 libwsutil15t64 python3.11-dev

Use 'sudo apt autoremove' to remove them.

Summary:

Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1986

┌──(yao㉿kali)-[~/Desktop]

└─$ nano arp\_spoof\_detect.py

┌──(yao㉿kali)-[~/Desktop]

└─$ nano arp\_spoof\_detect.py

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo python3 arp\_spoof\_detect.py

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.11

ARP Reply: 10.0.3.11 has address 08:00:27:a0:4c:20

Warning: Possible ARP Spoofing Detected! 10.0.3.11 has been spoofed!

Packet Captured: Ether / ARP is at 08:00:27:a0:4c:20 says 10.0.3.1

ARP Reply: 10.0.3.1 has address 08:00:27:a0:4c:20

^C

# The code of Arp\_spoof\_detect.py

from scapy.all import ARP, sniff

# 定义包回调函数

def packet\_callback(packet):

# 打印每个捕获到的包的摘要信息

print(f"Packet Captured: {packet.summary()}")

# 检查包是否包含ARP层

if packet.haslayer(ARP):

arp\_op = packet[ARP].op # 获取ARP操作码（1: 请求, 2: 响应）

# 检查是ARP请求（OpCode 1）

if arp\_op == 1: # ARP请求

print(f"ARP Request: {packet[ARP].psrc} is asking about {packet[ARP].pdst}")

# 检查是ARP响应（OpCode 2）

elif arp\_op == 2: # ARP响应

print(f"ARP Reply: {packet[ARP].psrc} has address {packet[ARP].hwsrc}")

# 如果检测到ARP欺骗，可以触发警告

if packet[ARP].psrc == "10.0.3.11" and packet[ARP].hwsrc != "08:00:27:e2:e2:60":

print(f"Warning: Possible ARP Spoofing Detected! {packet[ARP].psrc} has been spoofed!")

# 启动sniff函数，捕获ARP包

# 使用更明确的参数来指定网络接口

sniff(prn=packet\_callback, filter="arp", store=0, iface="eth1")

# client window

ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fee2:e260 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 17 bytes 3221 (3.1 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 8 bytes 480 (480.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 8 bytes 480 (480.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.11 netmask 255.255.255.0

[sudo] password for yao:

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fee2:e260 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 32 bytes 5895 (5.7 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 8 bytes 480 (480.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 8 bytes 480 (480.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.11 netmask 255.255.255.0

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fee2:e260 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 42 bytes 7455 (7.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 8 bytes 480 (480.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 8 bytes 480 (480.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth1 10.0.3.10 netmask 255.255.255.0

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::a00:27ff:fee2:e260 prefixlen 64 scopeid 0x20<link>

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 58 bytes 10459 (10.2 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 8 bytes 480 (480.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 8 bytes 480 (480.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.10 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ^[[200~sudo ifconfig eth0 10.0.3.11 netmask 255.255.255.0 up

zsh: bad pattern: ^[[200~sudo

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth0 10.0.3.11 netmask 255.255.255.0 up

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.11 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 6 bytes 360 (360.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 14 bytes 1152 (1.1 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 14 bytes 1152 (1.1 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.10

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.10 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.10 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.11 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 6 bytes 360 (360.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.10 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 12 bytes 720 (720.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 19 bytes 1712 (1.6 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 19 bytes 1712 (1.6 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ifconfig eth1 10.0.3.16 netmask 255.255.255.0

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.11 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 6 bytes 360 (360.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.16 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:b1:23:80 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 12 bytes 720 (720.0 B)

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 0x10<host>

loop txqueuelen 1000 (Local Loopback)

RX packets 19 bytes 1712 (1.6 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 19 bytes 1712 (1.6 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add -net 10.0.3.0/24 gw 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ufw status

sudo: ufw: command not found

┌──(yao㉿kali)-[~/Desktop]

└─$ ^[[200~ping 10.0.3.10

zsh: bad pattern: ^[[200~ping

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

From 10.0.3.16 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ifconfig eth0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 10.0.3.11 netmask 255.255.255.0 broadcast 10.0.3.255

ether 08:00:27:e2:e2:60 txqueuelen 1000 (Ethernet)

RX packets 6 bytes 360 (360.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 64 bytes 11635 (11.3 KiB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

10.0.3.0/24 via 10.0.3.16 dev eth1 scope link

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

From 10.0.3.16 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=5 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=6 Destination Host Unreachable

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del -net 10.0.3.0/24 via 10.0.3.16 dev eth1

Usage: inet\_route [-vF] del {-host|-net} Target[/prefix] [gw Gw] [metric M] [[dev] If]

inet\_route [-vF] add {-host|-net} Target[/prefix] [gw Gw] [metric M]

[netmask N] [mss Mss] [window W] [irtt I]

[mod] [dyn] [reinstate] [[dev] If]

inet\_route [-vF] add {-host|-net} Target[/prefix] [metric M] reject

inet\_route [-FC] flush NOT supported

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo ip route del 10.0.3.0/24 via 10.0.3.16 dev eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

64 bytes from 10.0.3.10: icmp\_seq=1 ttl=64 time=0.305 ms

64 bytes from 10.0.3.10: icmp\_seq=2 ttl=64 time=0.254 ms

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

ping: connect: Network is unreachable

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

From 10.0.3.16 icmp\_seq=1 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=2 Destination Host Unreachable

From 10.0.3.16 icmp\_seq=3 Destination Host Unreachable

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ history > ~/Desktop/command.txt

┌──(yao㉿kali)-[~/Desktop]

└─$ export PROMPT\_COMMAND="history -a; history -n"

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 10.0.3.10

PING 10.0.3.10 (10.0.3.10) 56(84) bytes of data.

64 bytes from 10.0.3.10: icmp\_seq=1 ttl=64 time=0.316 ms

64 bytes from 10.0.3.10: icmp\_seq=2 ttl=64 time=0.226 ms

^Z

zsh: suspended ping 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

^Z

zsh: suspended ping 8.8.8.8

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1

[sudo] password for yao:

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.2.2

SIOCADDRT: Network is unreachable

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.2.2 eth1

SIOCADDRT: Network is unreachable

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 dev eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

default via 10.0.3.1 dev eth0

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1 dev eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth0

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1 dev eth0

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.1 dev eth1

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.1 dev eth1

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route del default gw 10.0.3.1

┌──(yao㉿kali)-[~/Desktop]

└─$ sudo route add default gw 10.0.3.10

┌──(yao㉿kali)-[~/Desktop]

└─$ ip route show

default via 10.0.3.10 dev eth0

10.0.3.0/24 dev eth0 proto kernel scope link src 10.0.3.11

10.0.3.0/24 dev eth1 proto kernel scope link src 10.0.3.16

┌──(yao㉿kali)-[~/Desktop]

└─$ ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

64 bytes from 8.8.8.8: icmp\_seq=1 ttl=108 time=15.3 ms

64 bytes from 8.8.8.8: icmp\_seq=2 ttl=108 time=15.2 ms

64 bytes from 8.8.8.8: icmp\_seq=3 ttl=108 time=15.1 ms