

Windows PowerShell

```
PS C:\Users\ADMIN> kathara vstart -n pc2 --eth 0:A
INFO - ===== Starting Device =====
Deploying collision domains...|#####
Deploying devices...|#####
PS C:\Users\ADMIN> kathara vclean -n pc2
Deleting devices...|#####
INFO - Device `pc2` deleted successfully!
PS C:\Users\ADMIN> kathara vclean -n pc1
Deleting devices...|#####
INFO - Device `pc1` deleted successfully!
PS C:\Users\ADMIN> md lab1
```

Directory: C:\Users\ADMIN

Mode	LastWriteTime	Length	Name
d----	11-10-2023 14:11		lab1

```
PS C:\Users\ADMIN>
PS C:\Users\ADMIN> cd .\lab1\
PS C:\Users\ADMIN\lab1> dir
PS C:\Users\ADMIN\lab1> md pc1
```

Directory: C:\Users\ADMIN\lab1

Mode	LastWriteTime	Length	Name
d----	11-10-2023 14:12		pc1

```
PS C:\Users\ADMIN\lab1> md pc2
```

Directory: C:\Users\ADMIN\lab1

Mode	LastWriteTime	Length	Name
d----	11-10-2023 14:12		pc2

```
PS C:\Users\ADMIN\lab1> dir
```

```
Windows PowerShell
PS C:\Users\ADMIN\lab1> dir

Directory: C:\Users\ADMIN\lab1

Mode                LastWriteTime       Length Name
----                -----
d----        11-10-2023     14:12          1 pc1
d----        11-10-2023     14:12          1 pc2

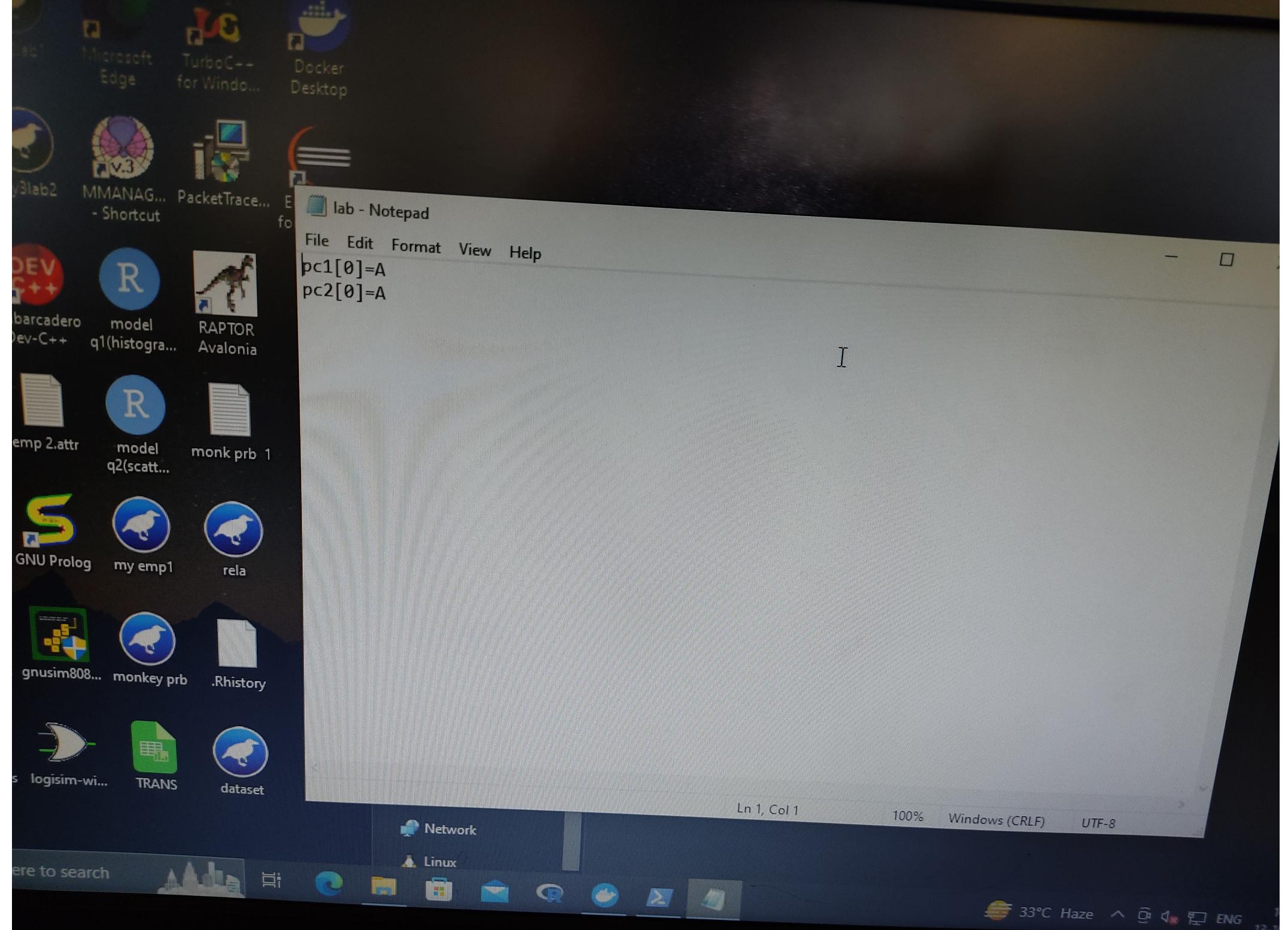
PS C:\Users\ADMIN\lab1> notepad.exe lab.conf
PS C:\Users\ADMIN\lab1> notepad.exe pc1.startup
PS C:\Users\ADMIN\lab1> notepad.exe pc2.startup
PS C:\Users\ADMIN\lab1> dir

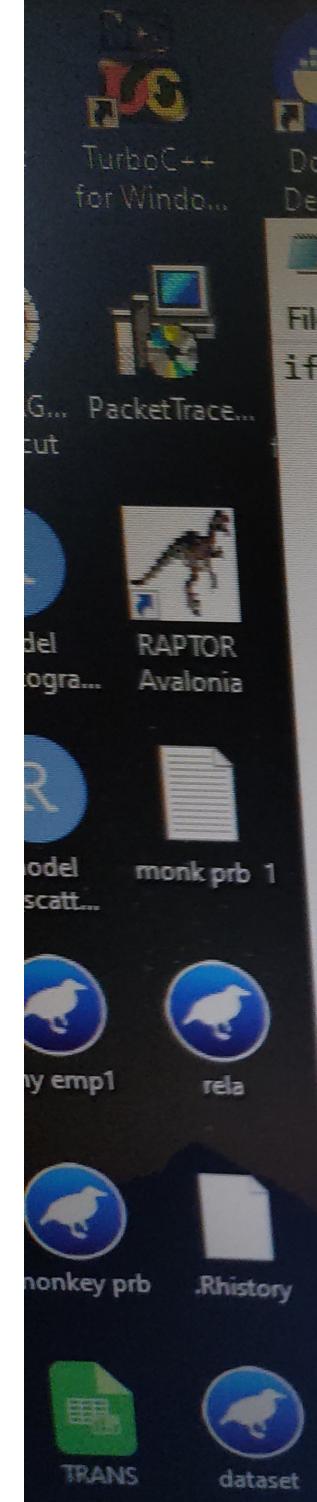
Directory: C:\Users\ADMIN\lab1

Mode                LastWriteTime       Length Name
----                -----
d----        11-10-2023     14:12          1 pc1
d----        11-10-2023     14:12          1 pc2
-a---        11-10-2023     14:13         20 lab.conf
-a---        11-10-2023     14:15         42 pc1.startup
-a---        11-10-2023     14:15         42 pc2.startup

PS C:\Users\ADMIN\lab1> kathara lstart
INFO - ===== Starting Network Scenario =====
Deploying collision domains...|#####
Deploying devices...|#####
PS C:\Users\ADMIN\lab1> kathara lclean
INFO - ===== Stopping Network Scenario =====
Deleting devices...|#####
Deleting collision domains...|#####
PS C:\Users\ADMIN\lab1> kathara lstart
INFO - ===== Starting Network Scenario =====
Deploying collision domains...|#####
Deploying devices...|#####
PS C:\Users\ADMIN\lab1>
```







pc1 - Notepad

File Edit Format View Help

ifconfig eth0 10.0.0.1 netmask 255.255.255.0 up

Ln 1, Col 48

100%

Windows (CRLF)

UTF-8

use
other's device
es and collision domains, optionally also delete settings
devices of the current user
ttings
nment

pc2 - Notepad

File Edit Format View Help

```
ifconfig eth0 10.0.0.2 net mask 255.255.255.0 up
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8

Ln 1, Col

100

Windows (CRLF)

UTF-8



```
root@pcl:/# --- Startup Commands Log
++ ifconfig eth0 10.0.0.1 netmask 255.255.255.0 up
--- End Startup Commands Log
root@pcl:/# ifconfig
frame 0 eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
          inet 10.0.0.1 netmask 255.255.255.0 broadcast 10.0.0.255
carrier 0           ether 92:26:75:8a:87:85 txqueuelen 1000 (Ethernet)
          RX packets 11 bytes 946 (946.0 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
36
0 back)
0 frame 0 lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
          inet 127.0.0.1 netmask 255.0.0.0
carrier 0           loop txqueuelen 1000 (Local Loopback)
          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
-v[v]... for
ernet), snap
0.0.2 tell 1
at 2e:a3:a0:1 root@pcl:/# ping 10.0.0.1
PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.
ICMP echo re64 bytes from 10.0.0.1: icmp_seq=1 ttl=64 time=0.035 ms
ICMP echo re64 bytes from 10.0.0.1: icmp_seq=2 ttl=64 time=0.054 ms
ICMP echo re64 bytes from 10.0.0.1: icmp_seq=3 ttl=64 time=0.053 ms
ICMP echo re64 bytes from 10.0.0.1: icmp_seq=4 ttl=64 time=0.053 ms
ICMP echo reAC
ICMP echo re--- 10.0.0.1 ping statistics ---
ICMP echo re4 packets transmitted, 4 received, 0% packet loss, time 3106ms
0.0.0.1 tell 1
rtt min/avg/max/mdev = 0.035/0.048/0.054/0.008 ms
-at 92:26:75:8
e4:f325 > ff02:64 bytes from 10.0.0.2: icmp_seq=1 ttl=64 time=0.073 ms
d5:d7a4 > ff02:64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.090 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.089 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.090 ms
AC
--- 10.0.0.2 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3122ms
rtt min/avg/max/mdev = 0.073/0.085/0.090/0.007 ms
root@pcl:/#
```

```
2 root@pc2:/
```

```
--- Startup Commands Log
++ ifconfig eth0 10.0.0.2 net mask 255.255.255.0 up
net: Host name lookup failure
ifconfig: '--help' gives usage information.
--- End Startup Commands Log
root@pc2:/# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 10.0.0.2 netmask 255.0.0.0 broadcast 10.255.255.255
                ether 2e:a3:a0:1b:69:10 txqueuelen 1000 (Ethernet)
                RX packets 15 bytes 1226 (1.1 KiB)
                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
                loop txqueuelen 1000 (Local Loopback)
                RX packets 4 bytes 252 (252.0 B)
                RX errors 0 dropped 0 overruns 0 frame 0
                TX packets 4 bytes 252 (252.0 B)
                TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@pc2:/# tcpdump -i eth0
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
08:51:33.986666 ARP, Request who-has 10.0.0.2 tell 10.0.0.1, length 28
08:51:33.986671 ARP, Reply 10.0.0.2 is-at 2e:a3:a0:1b:69:10 (oui Unknown), length 28
08:51:33.986684 IP 10.0.0.1 > 10.0.0.2: ICMP echo request, id 6, seq 1, length 64
08:51:33.986692 IP 10.0.0.2 > 10.0.0.1: ICMP echo reply, id 6, seq 1, length 64
08:51:35.034449 IP 10.0.0.1 > 10.0.0.2: ICMP echo request, id 6, seq 2, length 64
08:51:35.034473 IP 10.0.0.2 > 10.0.0.1: ICMP echo reply, id 6, seq 2, length 64
08:51:36.074445 IP 10.0.0.1 > 10.0.0.2: ICMP echo request, id 6, seq 3, length 64
08:51:36.074470 IP 10.0.0.2 > 10.0.0.1: ICMP echo reply, id 6, seq 3, length 64
08:51:37.114425 IP 10.0.0.1 > 10.0.0.2: ICMP echo request, id 6, seq 4, length 64
08:51:37.114449 IP 10.0.0.2 > 10.0.0.1: ICMP echo reply, id 6, seq 4, length 64
08:51:39.033684 ARP, Request who-has 10.0.0.1 tell 10.0.0.2, length 28
08:51:39.033726 ARP, Reply 10.0.0.1 is-at 92:26:75:8a:87:85 (oui Unknown), length 28
08:51:52.870311 IP6 fe80::7852:87ff:fee4:f325 > ff02::2: ICMP6, router solicitation, length 16
08:51:57.990219 IP6 fe80::14f8:12ff:fed5:d7a4 > ff02::2: ICMP6, router solicitation, length 16
```

Type here to search



33°C Haze