

```
> Windows PowerShell
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\ADMIN> kathara
Usage: kathara [-h] [-v] <command> [<args>]

Possible Kathara commands are:

vstart      Start a new Kathara device
vclean      Stop a single Kathara device
vconfig     Manage the network interfaces of a running Kathara device
lstart      Start a Kathara network scenario
lclean      Stop a Kathara network scenario
linfo       Show information about a Kathara network scenario
lrestart    Restart a Kathara network scenario
ltest       Test a Kathara network scenario
lconfig     Manage the network interfaces of a running Kathara device in a Kathara network scenario
connect     Connect to a Kathara device
exec        Execute a command in a Kathara device
wipe        Delete all Kathara devices and collision domains, optionally also delete settings
list         Show all running Kathara devices of the current user
settings   Show and edit Kathara settings
check       Check your system environment

A network emulation tool.

positional arguments:
  command      Command to run.

options:
  -h, --help    Show an help message and exit.
  -v, --version Print the current Kathara version.
PS C:\Users\ADMIN> kathara vstart -n pc1 --eth 0:A
INFO - ===== Starting Device =====
Deploying collision domains...|#####
CRITICAL - (MachineAlreadyExistsError) Device with name 'pc1' already exists.
PS C:\Users\ADMIN> kathara wipe
Are you sure to wipe Kathara? (y/n) y
PS C:\Users\ADMIN> kathara vstart -n pc1 --eth 0:A
INFO - ===== Starting Device =====
Deploying collision domains...|#####
Deploying devices...|#####
PS C:\Users\ADMIN> kathara vstart -n pc2 --eth 0:A
INFO - ===== Starting Device =====
Deploying collision domains...|#####
Deploying devices...|#####
PS C:\Users\ADMIN> _
```



Type here to search



```
root@pcl:/
```

```
root@pcl:/# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    ether 26:3c:87:af:cd:f3 txqueuelen 1000 (Ethernet)
    RX packets 16 bytes 1296 (1.2 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 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
```

```
root@pcl:/# ifconfig eth0 10.0.0.1 netmask 255.0.0.0 up
root@pcl:/# ifconfig
```

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.0.1 netmask 255.0.0.0 broadcast 10.255.255.255
        ether 26:3c:87:af:cd:f3 txqueuelen 1000 (Ethernet)
        RX packets 17 bytes 1366 (1.3 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 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
```

```
root@pcl:/# ping 10.0.0.1
PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.
64 bytes from 10.0.0.1: icmp_seq=1 ttl=64 time=0.035 ms
64 bytes from 10.0.0.1: icmp_seq=2 ttl=64 time=0.054 ms
64 bytes from 10.0.0.1: icmp_seq=3 ttl=64 time=0.052 ms
64 bytes from 10.0.0.1: icmp_seq=4 ttl=64 time=0.053 ms
64 bytes from 10.0.0.1: icmp_seq=5 ttl=64 time=0.052 ms
64 bytes from 10.0.0.1: icmp_seq=6 ttl=64 time=0.054 ms
^C
```



Type here to search



33°C Haze

Lenovo



```
root@pc2:/# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
      ether f6:30:95:db:2c:1d txqueuelen 1000 (Ethernet)
      RX packets 9 bytes 726 (726.0 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
      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
root@pc2:/# ifconfig eth0 10.0.0.2 netmask 255.0.0.0 up
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 f6:30:95:db:2c:1d txqueuelen 1000 (Ethernet)
      RX packets 12 bytes 936 (936.0 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
      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
root@pc2:/# ping 10.0.0.2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp_seq=1 ttl=64 time=0.049 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.054 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.054 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.054 ms
64 bytes from 10.0.0.2: icmp_seq=5 ttl=64 time=0.059 ms
64 bytes from 10.0.0.2: icmp_seq=6 ttl=64 time=0.055 ms
64 bytes from 10.0.0.2: icmp_seq=7 ttl=64 time=0.051 ms
```

Type here to search

33°C Haze

Lenovo