

```
Windows PowerShell
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```

```
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 c1 --eth 0:A
```

```
INFO - ----- Starting Device -----
```

```
Deploying collision domains...|#####
```

```
Deploying devices...|#####
```

```
PS C:\Users\admin> kathara vstart -n c2 --eth 0:A
```

```
INFO - ----- Starting Device -----
```

```
Deploying collision domains...|#####
```

```
Deploying devices...|#####
```

```
PS C:\Users\admin>
```

Shot on OnePlus 8 Pro x Hasselblad

By Bharath

```
root@c2: /
root@c2: /# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    ether 5e:a7:8f:00:cf:e7 txqueuelen 1000 (Ethernet)
    RX packets 13 bytes 1086 (1.0 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@c2: /# ifconfig eth0 10.0.0.2 netmask 255.0.0.0 up
root@c2: /# 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 5e:a7:8f:00:cf:e7 txqueuelen 1000 (Ethernet)
    RX packets 14 bytes 1076 (1.0 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@c2: /# 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=0.049 ms
```

```
root@c1: /
root@c1: /# ifconfig eth0
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    ether 3e:60:61:ad:0b:83 txqueuelen 1000 (Ethernet)
    RX packets 13 bytes 1086 (1.0 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

root@c1: /# ifconfig eth0 10.0.0.1 netmask 255.0.0.0 up
root@c1: /# 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 3e:60:61:ad:0b:83 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@c1: /# 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=0.069 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.036 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.076 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.030 ms
64 bytes from 10.0.0.2: icmp_seq=5 ttl=64 time=0.080 ms
64 bytes from 10.0.0.2: icmp_seq=6 ttl=64 time=0.080 ms
64 bytes from 10.0.0.2: icmp_seq=7 ttl=64 time=0.082 ms
64 bytes from 10.0.0.2: icmp_seq=8 ttl=64 time=0.081 ms
64 bytes from 10.0.0.2: icmp_seq=9 ttl=64 time=0.078 ms
```

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Lenovo