



Firstvm



Powered Off



VM



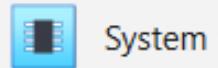
Running

Basic Expert

Search settings



General



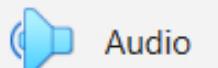
System



Display



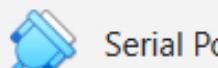
Storage



Audio



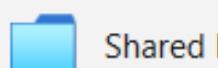
Network



Serial Ports



USB



Shared Folders



User Interface

Network

Adapter 1 Adapter 2 Adapter 3 Adapter 4

 Enable Network Adapter

Attached to

NAT

Name

Adapter Type Intel PRO/1000 MT Desktop (82540EM)

Promiscuous Mode Deny

MAC Address

080027AF588B

 Virtual Cable Connected

Port Forwarding



Serial Ports

Port 1 Port 2 Port 3 Port 4

 Enable Serial Port

OK

Cancel

Help

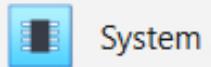
VM - Settings

Basic Expert

Search settings



General



System



Display



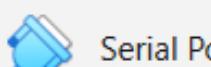
Storage



Audio



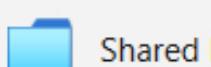
Network



Serial Ports



USB



Shared Folders



User Interface

Network

Adapter 1

Adapter 2

Adapter 3

Adapter 4

Enable Network Adapter

Attached to Bridged Adapter

Name Intel(R) Wi-Fi 6 AX200 160MHz

Adapter Type Intel PRO/1000 MT Desktop (82540EM)

Promiscuous Mode Deny

MAC Address 080027AF5B8B

Virtual Cable Connected

Serial Ports

Port 1

Port 2

Port 3

Port 4

Enable Serial Port

Port Number COM1

IRQ 4

I/O Port ix3F8

OK

Cancel

Help

Basic Expert

Search settings



General



System



Display



Storage



Audio



Network



Serial Ports



USB



Shared Folders



User Interface

Network

Adapter 1

Adapter 2

Adapter 3

Adapter 4

 Enable Network Adapter

Attached to Host-only Adapter

Name VirtualBox Host-Only Ethernet Adapter

Adapter Type Intel PRO/1000 MT Desktop (82540EM)

Promiscuous Mode Deny

MAC Address 080027AF588B

 Virtual Cable Connected

Serial Ports

Port 1

Port 2

Port 3

Port 4

 Enable Serial Port

Port Number COM1

IRQ 4

I/O Port ix3F8

OK

Cancel

Help

```
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=7 ttl=255 time=19.7 ms
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=8 ttl=255 time=18.4 ms
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=9 ttl=255 time=18.6 ms
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=10 ttl=255 time=21.8 ms
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=11 ttl=255 time=19.9 ms
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=12 ttl=255 time=22.9 ms
^C
--- google.com ping statistics ---
12 packets transmitted, 12 received, 0% packet loss, time 11267ms
rtt min/avg/max/mdev = 17.886/20.441/25.481/2.244 ms
mamatha9264@Firstvm:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
        inet6 ::1/128 scope host noprefixroute
            valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:b7:e4:d1 brd ff:ff:ff:ff:ff:ff
        inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
            valid_lft 85558sec preferred_lft 85558sec
        inet6 fd17:625c:f037:2:1d1a:ed63:7b9e:10dd/64 scope global temporary dynamic
            valid_lft 86363sec preferred_lft 14363sec
        inet6 fd17:625c:f037:2:a00:27ff:feb7:e4d1/64 scope global dynamic mngtmpaddr
            valid_lft 86363sec preferred_lft 14363sec
        inet6 fe80::a00:27ff:feb7:e4d1/64 scope link
            valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether aa:2d:80:f0:ce:66 brd ff:ff:ff:ff:ff:ff
        inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
            valid_lft forever preferred_lft forever
mamatha9264@Firstvm:~$
```

```
mamatha9264@Firstvm:~$ ping google.com
PING google.com (2404:6800:4007:816::200e) 56 data bytes
^C
--- google.com ping statistics ---
109 packets transmitted, 0 received, 100% packet loss, time 120544ms

mamatha9264@Firstvm:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:b7:e4:d1 brd ff:ff:ff:ff:ff:ff
    inet 10.23.252.155/24 brd 10.23.252.255 scope global dynamic noprefixroute enp0s3
        valid_lft 3378sec preferred_lft 3378sec
    inet6 2401:4900:6318:c055:7278:d15:1645:98f8/64 scope global temporary dynamic
        valid_lft 7098sec preferred_lft 7098sec
    inet6 2401:4900:6318:c055:a00:27ff:feb7:e4d1/64 scope global dynamic mngtmpaddr
        valid_lft 7098sec preferred_lft 7098sec
    inet6 fe80::a00:27ff:feb7:e4d1/64 scope link
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether ca:de:20:0d:b0:2a brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
mamatha9264@Firstvm:~$
```

```
mamatha9264@Firstvm:~$ ping google.com
ping: google.com: Temporary failure in name resolution
mamatha9264@Firstvm:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:b7:e4:d1 brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.101/24 brd 192.168.56.255 scope global dynamic noprefixroute
        enp0s3
        valid_lft 527sec preferred_lft 527sec
    inet6 fe80::a00:27ff:feb7:e4d1/64 scope link
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether b6:cf:75:cf:58:eb brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
mamatha9264@Firstvm:~$ s
```

Basic Expert

Search settings



General



System



Display



Storage



Audio



Network



Serial Ports



USB



Shared Folders



User Interface

Network

Adapter 1

Adapter 2

Adapter 3

Adapter 4

 Enable Network Adapter

Attached to Host-only Adapter

Name VirtualBox Host-Only Ethernet Adapter

Adapter Type Intel PRO/1000 MT Desktop (82540EM)

Promiscuous Mode Deny

MAC Address 080027AF588B

 Virtual Cable Connected

Serial Ports

Port 1

Port 2

Port 3

Port 4

 Enable Serial Port

Port Number COM1

IRQ 4

I/O Port ix3F8

OK

Cancel

Help



Login to pfSense

SIGN IN

admin

.....|

SIGN IN

- 0) Logout / Disconnect SSH
- 1) Assign Interfaces
- 2) Set interface(s) IP address
- 3) Reset admin account and password
- 4) Reset to factory defaults
- 5) Reboot system
- 6) Halt system
- 7) Ping host
- 8) Shell
- 9) pfTop
- 10) Filter Logs
- 11) Restart GUI
- 12) PHP shell + pfSense tools
- 13) Update from console
- 14) Enable Secure Shell (sshd)
- 15) Restore recent configuration
- 16) Restart PHP-FPM

Enter an option: 8

```
[2.8.1-RELEASE][root@pfSense.home.arpal/root: ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: icmp_seq=0 ttl=255 time=69.980 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=255 time=64.491 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=255 time=59.280 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=255 time=46.061 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=255 time=61.662 ms
^C
--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 46.061/60.295/69.980/7.961 ms
[2.8.1-RELEASE][root@pfSense.home.arpal/root: ]
```

```
mamatha9264@Firstvm:~$ ping google.com
PING google.com (2404:6800:4007:816::200e) 56 data bytes
^C
--- google.com ping statistics ---
109 packets transmitted, 0 received, 100% packet loss, time 120544ms

mamatha9264@Firstvm:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:b7:e4:d1 brd ff:ff:ff:ff:ff:ff
    inet 10.23.252.155/24 brd 10.23.252.255 scope global dynamic noprefixroute enp0s3
        valid_lft 3378sec preferred_lft 3378sec
    inet6 2401:4900:6318:c055:7278:d15:1645:98f8/64 scope global temporary dynamic
        valid_lft 7098sec preferred_lft 7098sec
    inet6 2401:4900:6318:c055:a00:27ff:feb7:e4d1/64 scope global dynamic mngtmpaddr
        valid_lft 7098sec preferred_lft 7098sec
    inet6 fe80::a00:27ff:feb7:e4d1/64 scope link
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether ca:de:20:0d:b0:2a brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
mamatha9264@Firstvm:~$
```

```
mamatha9264@Firstvm:~$ ping google.com
ping: google.com: Temporary failure in name resolution
mamatha9264@Firstvm:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:b7:e4:d1 brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.101/24 brd 192.168.56.255 scope global dynamic noprefixroute
        enp0s3
        valid_lft 527sec preferred_lft 527sec
    inet6 fe80::a00:27ff:feb7:e4d1/64 scope link
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether b6:cf:75:cf:58:eb brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
mamatha9264@Firstvm:~$ s
```

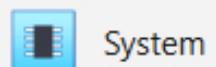
```
10:43:13.138375 IP 10.0.2.15 > 10.0.2.2: ICMP echo request, id 27019, seq 1204, length 9
10:43:13.139235 IP 10.0.2.2 > 10.0.2.15: ICMP echo reply, id 27019, seq 1204, length 9
10:43:13.194493 IP6 fe80::a00:27ff:feaf:5b8b > fe80::2: ICMP6, echo request, id 26564, seq 1204, length 9
10:43:13.252514 IP6 fe80::2 > fe80::a00:27ff:feaf:5b8b: ICMP6, echo reply, id 26564, seq 1204, length 9
10:43:13.660215 IP 10.0.2.15 > 10.0.2.2: ICMP echo request, id 27019, seq 1205, length 9
10:43:13.661240 IP 10.0.2.2 > 10.0.2.15: ICMP echo reply, id 27019, seq 1205, length 9
10:43:13.736147 IP6 fe80::a00:27ff:feaf:5b8b > fe80::2: ICMP6, echo request, id 26564, seq 1205, length 9
10:43:13.737355 IP6 fe80::2 > fe80::a00:27ff:feaf:5b8b: ICMP6, echo reply, id 26564, seq 1205, length 9
10:43:14.187087 IP 10.0.2.15 > 10.0.2.2: ICMP echo request, id 27019, seq 1206, length 9
10:43:14.188079 IP 10.0.2.2 > 10.0.2.15: ICMP echo reply, id 27019, seq 1206, length 9
^C
80 packets captured
82 packets received by filter
0 packets dropped by kernel
[2.8.1-RELEASE][root@pfSense.home.arpal/root: ]
```

Basic Expert

Search settings



General



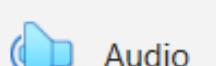
System



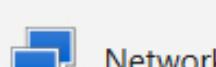
Display



Storage



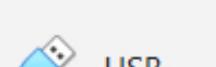
Audio



Network



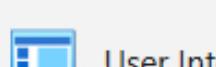
Serial Ports



USB



Shared Folders



User Interface

Storage

Devices

Controller: IDE

ThinVM.vdi

netgate-installer-v1.1-RELEASE-amd64...

Attributes

Hard Disk IDE Primary Device 0

 Solid-state Drive

Information

Type (Format) Normal (VDI)

Virtual size 16.00 GB

Actual size 2.00 MB

Storage details Dynamically allocated storage

Location C:\Users\N.Janardhan Reddy...

Attached to ThinVM

Encryption key --



Audio

 Enable Audio

Host Audio Driver Default

OK

Cancel

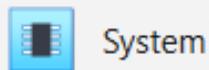
Help

Basic Expert

Search settings



General



System



Display



Storage



Audio



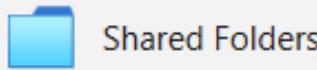
Network



Serial Ports



USB



Shared Folders



User Interface

Storage

Devices

- Controller: IDE
 - thickVM.vdi
 - netgate-installer-v1.1-RELEASE-amd6...



Attributes

Hard Disk IDE Primary Device 0

 Solid-state Drive

Information

Type (Format) Normal (VDI)

Virtual size 14.94 GB

Actual size 14.94 GB

Storage details Fixed size storage

Location C:\Users\N.Janardhan Reddy...

Attached to thickVM

Encryption key --

Audio

 Enable Audio

Host Audio Driver Default

OK

Cancel

Help