



گزارش آزمایش دوم

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شماره دانشجویی: ۹۶۲۹۳۷۳

تذکر مهم: من از لینوکس نسخه *Ubuntu18.04LTS* به عنوان سیستم میهمان استفاده کردم.

سیستم میزبان من هم لینوکس نسخه *Ubuntu20.04LTS* است

آدرس IP سیستم میزبان: 192.168.1.7

```
maryam@bitterocean:~$ ifconfig
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1023 bytes 91950 (91.9 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1023 bytes 91950 (91.9 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

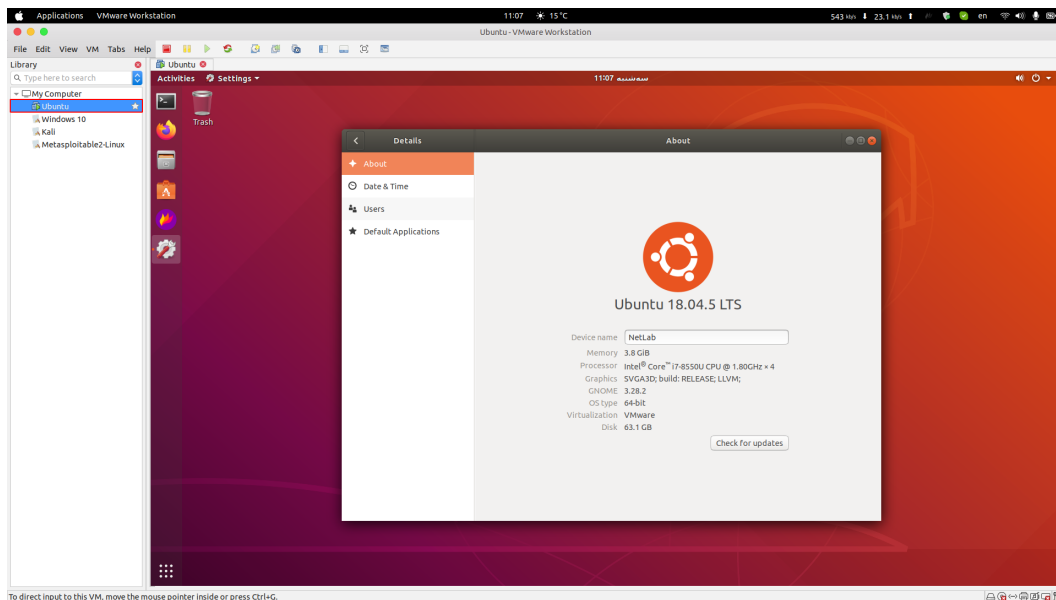
vmnet1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.151.1 netmask 255.255.255.0 broadcast 192.168.151.255
inet6 fe80::250:56ff:fec0:1 prefixlen 64 scopeid 0x20<link>
ether 00:50:56:c0:00:01 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 192 bytes 0 (0.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

vmnet8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.215.1 netmask 255.255.255.0 broadcast 192.168.215.255
inet6 fe80::250:56ff:fec0:8 prefixlen 64 scopeid 0x20<link>
ether 00:50:56:c0:00:08 txqueuelen 1000 (Ethernet)
RX packets 93 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 193 bytes 0 (0.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp3s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.1.7 netmask 255.255.255.0 broadcast 192.168.1.255
inet6 fe80::c126:e295:4a06:e3a4 prefixlen 64 scopeid 0x20<link>
ether 34:41:5d:91:af:3c txqueuelen 1000 (Ethernet)
RX packets 139877 bytes 190630366 (190.6 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 114818 bytes 12066574 (12.0 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

شکل ۱: آدرس IP سیستم میزبان

۱ ماشین مجازی را روشن کرده و سیستم عامل مهمان را اجرا نمایید



شکل ۲: روشن کردن سیستم مهمان

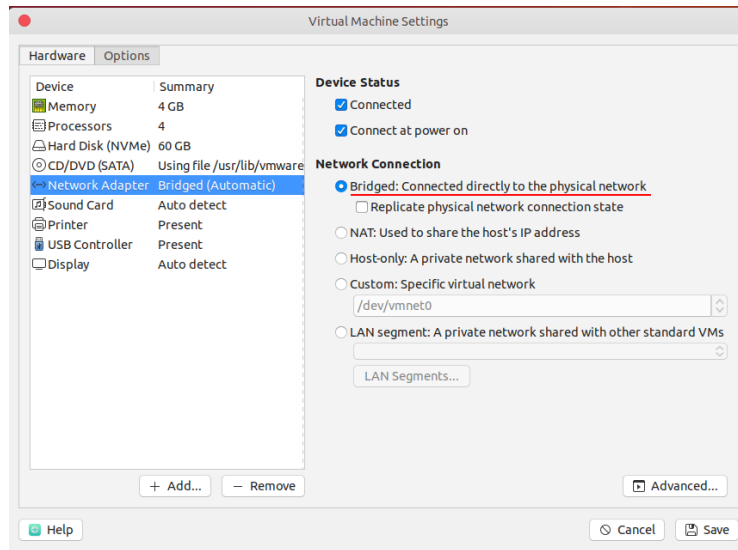
۲ بررسی نمایید آیا سیستم به اینترنت متصل است؟

به صورت دیفالت وضعیت شبکه در این ماشین مجازی روی Nat تنظیم شده بود و برای بررسی اتصال به اینترنت از دستور `ping www.google.com` استفاده کردم:

```
maryam@NetLab: ~  
File Edit View Search Terminal Help  
maryam@NetLab:~$ ping www.google.com  
PING www.google.com (172.217.19.164) 56(84) bytes of data.  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=1 ttl=128 time  
=74.7 ms  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=2 ttl=128 time  
=401 ms  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=3 ttl=128 time  
=71.7 ms  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=4 ttl=128 time  
=69.8 ms  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=5 ttl=128 time  
=70.2 ms  
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=6 ttl=128 time  
=69.6 ms  
^C  
--- www.google.com ping statistics ---  
6 packets transmitted, 6 received, 0% packet loss, time 5002ms  
rtt min/avg/max/mdev = 69.614/126.352/401.934/123.256 ms  
maryam@NetLab:~$
```

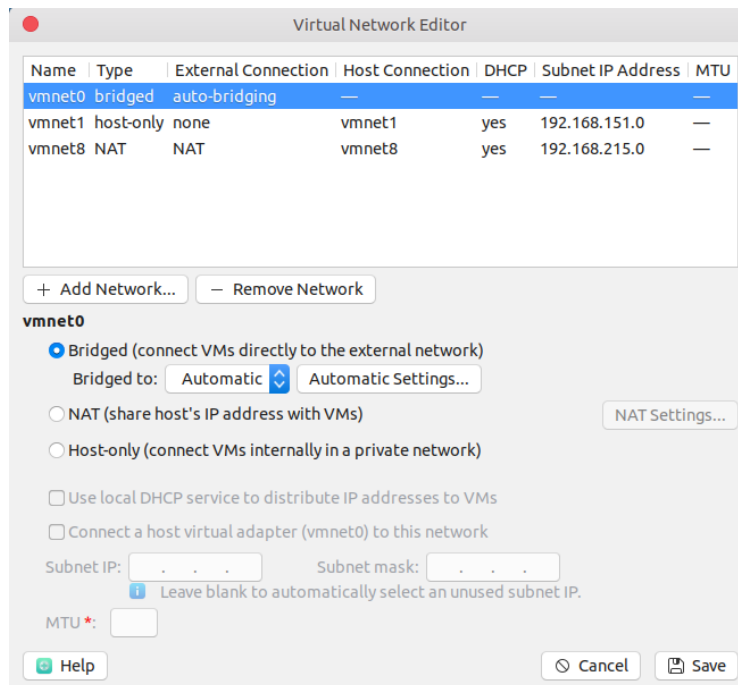
شکل ۳: بررسی اتصال به اینترنت در سیستم مهمان

- تنظیم وضعیت شبکه :



شکل ۴: تنظیم وضعیت شبکه سیستم مهمان بر روی Bridge

- بررسی Virtual Network Editor



شکل ۵: Virtual Network Editor

- وضعیت IP سیستم مهمان:

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ifconfig
ens160: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.8 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::c134:e267:a900:222 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:04:3e:9e txqueuelen 1000 (Ethernet)
    RX packets 126871 bytes 177675631 (177.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 51669 bytes 2828452 (2.8 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 memory 0xfd4a0000-fd4c0000

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 420 bytes 32748 (32.7 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 420 bytes 32748 (32.7 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

maryam@NetLab:~$
```

شکل ۶: آدرس IP سیستم مهمان

- اتصال ماشین مهمان به اینترنت ؟

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping www.google.com
PING www.google.com (172.217.19.164) 56(84) bytes of data:
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=1 ttl=51 time=
74.9 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=2 ttl=51 time=
70.1 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=3 ttl=51 time=
70.2 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=4 ttl=51 time=
69.9 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=5 ttl=51 time=
70.6 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=6 ttl=51 time=
70.0 ms
^C
--- www.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 69.987/71.002/74.967/1.819 ms
maryam@NetLab:~$
```

شکل ۷: بررسی وضعیت اتصال به اینترنت سیستم مهمان در حالت Bridge

- بررسی دستور *ping HOST – Machine – IP* به جهت بررسی دسترسی ماشین مهمان به ماشین میزبان

```

maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping 192.168.1.7
PING 192.168.1.7 (192.168.1.7) 56(84) bytes of data.
64 bytes from 192.168.1.7: icmp_seq=1 ttl=64 time=1.10 ms
64 bytes from 192.168.1.7: icmp_seq=2 ttl=64 time=0.640 ms
64 bytes from 192.168.1.7: icmp_seq=3 ttl=64 time=0.420 ms
64 bytes from 192.168.1.7: icmp_seq=4 ttl=64 time=0.465 ms
64 bytes from 192.168.1.7: icmp_seq=5 ttl=64 time=0.638 ms
64 bytes from 192.168.1.7: icmp_seq=6 ttl=64 time=0.564 ms
^C
--- 192.168.1.7 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5075ms
rtt min/avg/max/mdev = 0.420/0.638/1.106/0.226 ms
maryam@NetLab:~$

```

شکل ۸: ارتباط سیستم مهمان به سیستم میزبان برقرار است.

- بررسی دستور *ping GUEST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین مهمان

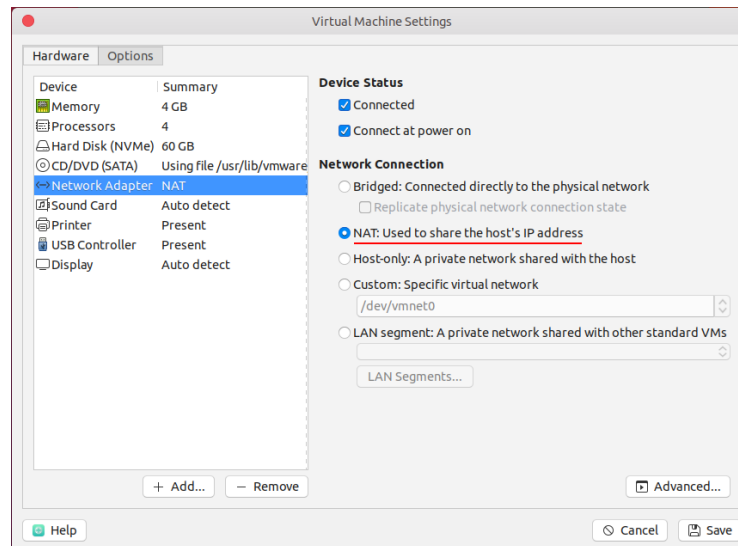
```

maryam@bitterocean:~
ping 192.168.1.8
PING 192.168.1.8 (192.168.1.8) 56(84) bytes of data.
64 bytes from 192.168.1.8: icmp_seq=1 ttl=64 time=0.893 ms
64 bytes from 192.168.1.8: icmp_seq=2 ttl=64 time=0.324 ms
64 bytes from 192.168.1.8: icmp_seq=3 ttl=64 time=290 ms
64 bytes from 192.168.1.8: icmp_seq=4 ttl=64 time=0.412 ms
64 bytes from 192.168.1.8: icmp_seq=5 ttl=64 time=87.5 ms
^C
--- 192.168.1.8 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4030ms
rtt min/avg/max/mdev = 0.324/75.749/289.573/112.096 ms

```

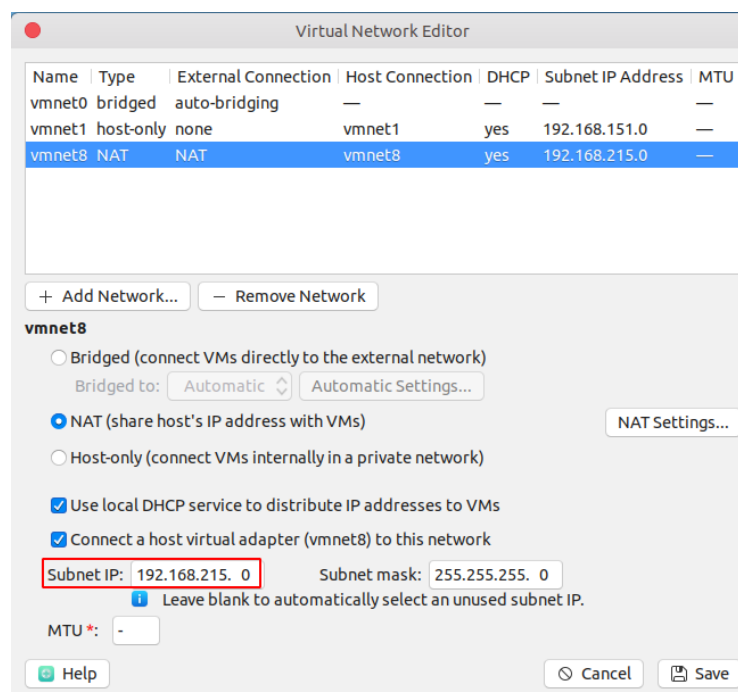
شکل ۹: ارتباط سیستم میزبان به سیستم مهمان در حالت Bridge برقرار است.

- تنظیم وضعیت شبکه :



شکل ۱۰: تنظیم وضعیت شبکه سیستم مهمان بر روی NAT

- بررسی Virtual Network Editor



شکل ۱۱: Virtual Network Editor

- وضعیت IP سیستم مهمان:

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ifconfig
ens160: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.215.133 netmask 255.255.255.0 broadcast 192.168.215.255
    inet6 fe80::c134:e267:a900:222 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:04:3e:9e txqueuelen 1000 (Ethernet)
    RX packets 126980 bytes 177688950 (177.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 51828 bytes 2845829 (2.8 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 memory 0xfd4a0000-fd4c0000

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 469 bytes 36837 (36.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 469 bytes 36837 (36.8 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

maryam@NetLab:~$
```

شکل ۱۲: آدرس IP سیستم مهمان

- اتصال ماشین مهمان به اینترنت ؟

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping www.google.com
PING www.google.com (172.217.19.164) 56(84) bytes of data:
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=1 ttl=128 time
=74.7 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=2 ttl=128 time
=401 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=3 ttl=128 time
=71.7 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=4 ttl=128 time
=69.8 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=5 ttl=128 time
=70.2 ms
64 bytes from zrh04s07-in-f4.1e100.net (172.217.19.164): icmp_seq=6 ttl=128 time
=69.6 ms
^C
--- www.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5002ms
rtt min/avg/max/mdev = 69.614/126.352/401.934/123.256 ms
maryam@NetLab:~$
```

شکل ۱۳: بررسی وضعیت اتصال به اینترنت سیستم مهمان در حالت NAT

- بررسی دستور *ping HOST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین میزبان

```

maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping 192.168.1.7
PING 192.168.1.7 (192.168.1.7) 56(84) bytes of data.
64 bytes from 192.168.1.7: icmp_seq=1 ttl=128 time=0.332 ms
64 bytes from 192.168.1.7: icmp_seq=2 ttl=128 time=0.692 ms
64 bytes from 192.168.1.7: icmp_seq=3 ttl=128 time=0.715 ms
64 bytes from 192.168.1.7: icmp_seq=4 ttl=128 time=1.02 ms
64 bytes from 192.168.1.7: icmp_seq=5 ttl=128 time=0.974 ms
64 bytes from 192.168.1.7: icmp_seq=6 ttl=128 time=1.02 ms
^C
--- 192.168.1.7 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5377ms
rtt min/avg/max/mdev = 0.332/0.793/1.025/0.249 ms
maryam@NetLab:~$

```

شکل ۱۴: ارتباط سیستم میزبان به سیستم میزبان برقرار است.

- بررسی دستور *ping GUEST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین میزبان

```

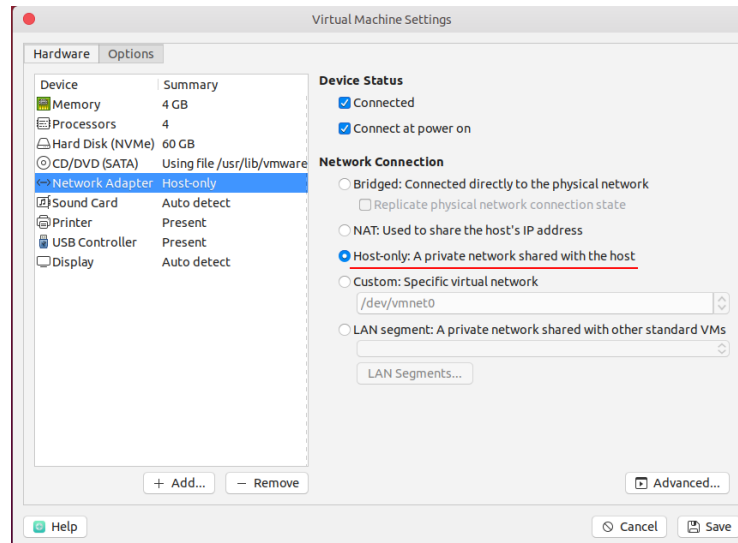
maryam@bitterocean:~
ping 192.168.215.133
PING 192.168.215.133 (192.168.215.133) 56(84) bytes of data.
64 bytes from 192.168.215.133: icmp_seq=1 ttl=64 time=0.466 ms
64 bytes from 192.168.215.133: icmp_seq=2 ttl=64 time=0.853 ms
64 bytes from 192.168.215.133: icmp_seq=3 ttl=64 time=0.716 ms
64 bytes from 192.168.215.133: icmp_seq=4 ttl=64 time=0.675 ms
64 bytes from 192.168.215.133: icmp_seq=5 ttl=64 time=0.952 ms
64 bytes from 192.168.215.133: icmp_seq=6 ttl=64 time=0.831 ms
^C
--- 192.168.215.133 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5068ms
rtt min/avg/max/mdev = 0.466/0.748/0.952/0.155 ms

```

شکل ۱۵: ارتباط سیستم میزبان به سیستم میزبان برقرار است.

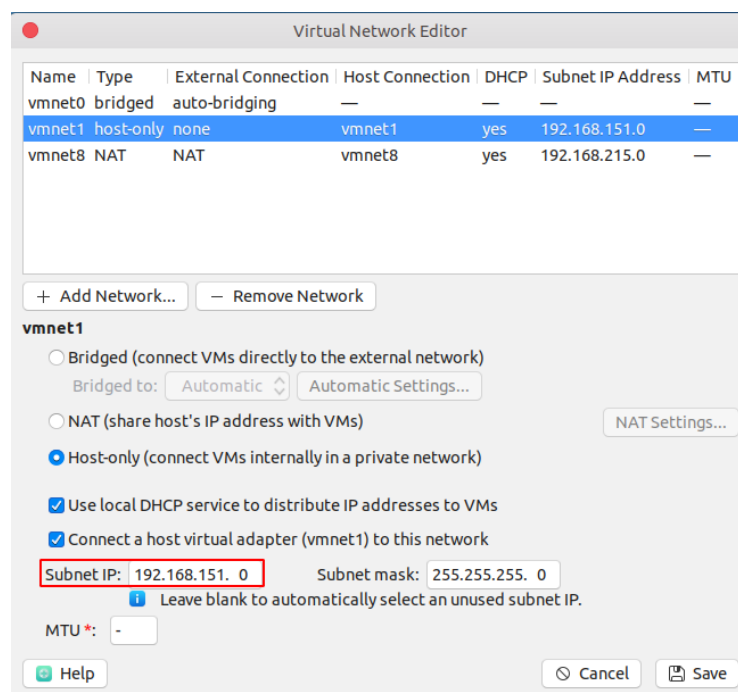
Host-Only ۵

- تنظیم وضعیت شبکه :



شکل ۱۶: تنظیم وضعیت شبکه سیستم مهمان بر روی HostOnly

- بررسی Virtual Network Editor



شکل ۱۷: Virtual Network Editor

- وضعیت IP سیستم مهمان:

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ifconfig
ens160: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.151.128 netmask 255.255.255.0 broadcast 192.168.151.255
    inet6 fe80::c134:e267:a900:222 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:04:3e:9e txqueuelen 1000 (Ethernet)
    RX packets 127029 bytes 177695969 (177.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 51909 bytes 2856976 (2.8 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 memory 0xfd4a0000-fd4c0000

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 483 bytes 38215 (38.2 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 483 bytes 38215 (38.2 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

maryam@NetLab:~$
```

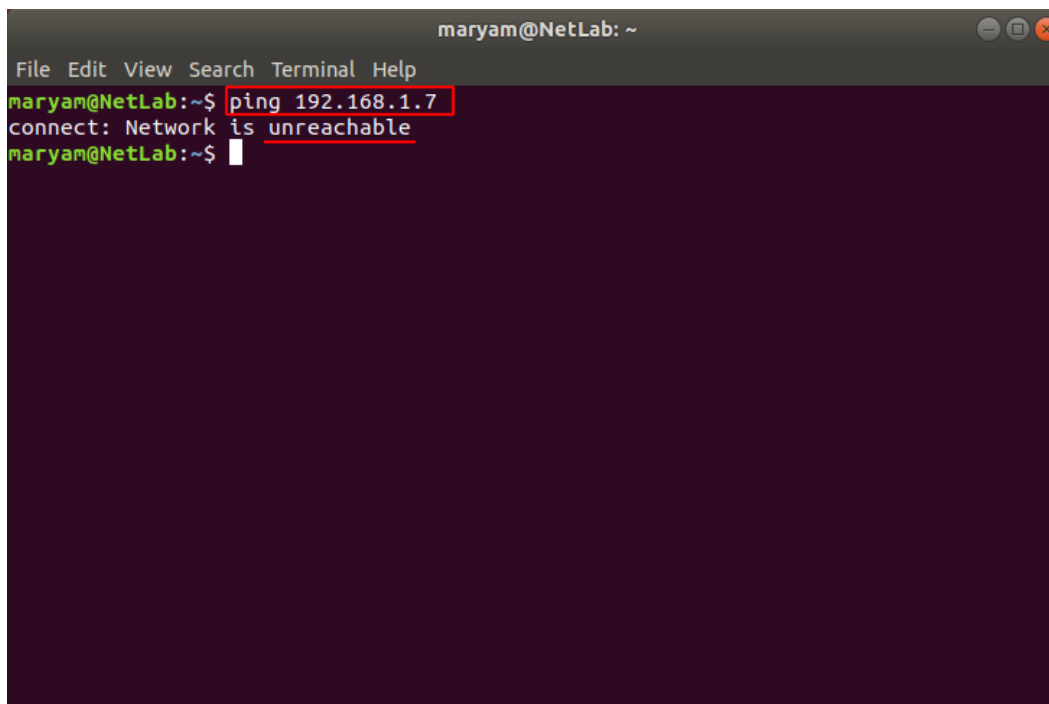
شکل ۱۸: آدرس IP سیستم مهمان

- اتصال ماشین مهمان به اینترنت؟

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping www.google.com
ping: www.google.com: Name or service not known
maryam@NetLab:~$
```

شکل ۱۹: بررسی وضعیت اتصال به اینترنت سیستم مهمان در حالت HostOnly

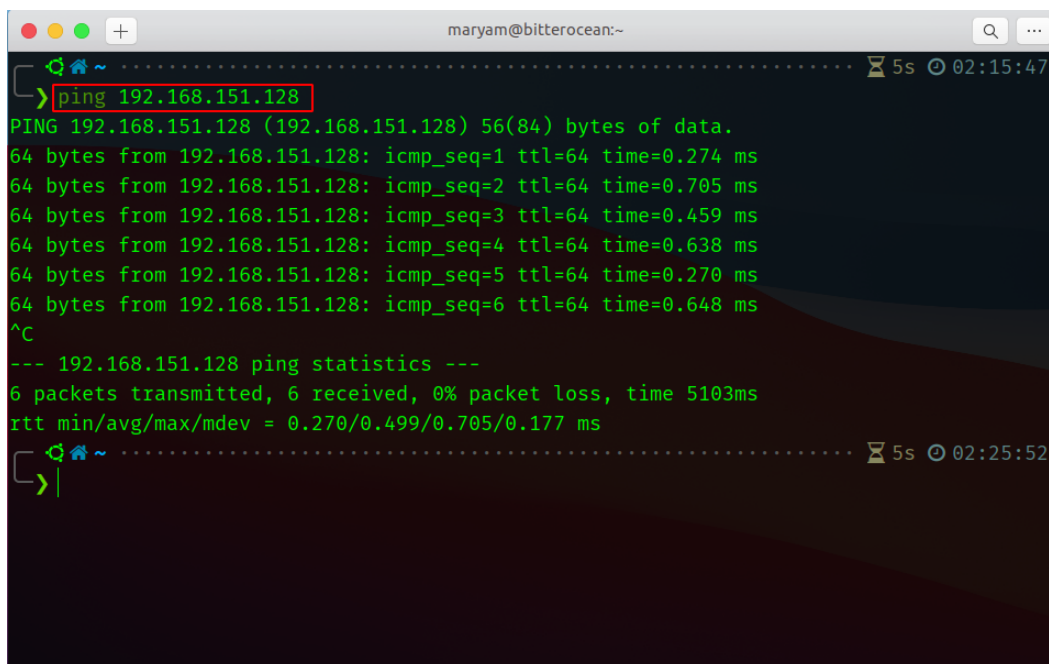
- بررسی دستور *ping HOST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین میزبان



```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping 192.168.1.7
connect: Network is unreachable
maryam@NetLab:~$
```

شکل ۲۰: ارتباط سیستم میزبان به سیستم میزبان برقرار است.

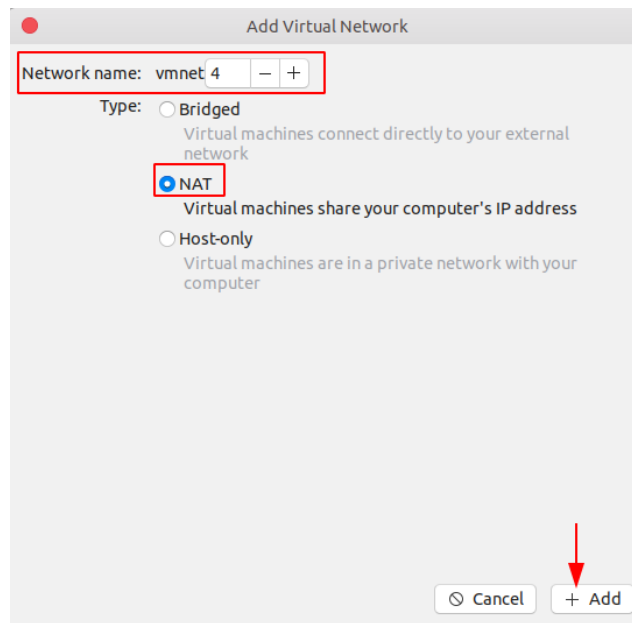
- بررسی دستور *ping GUEST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین میزبان



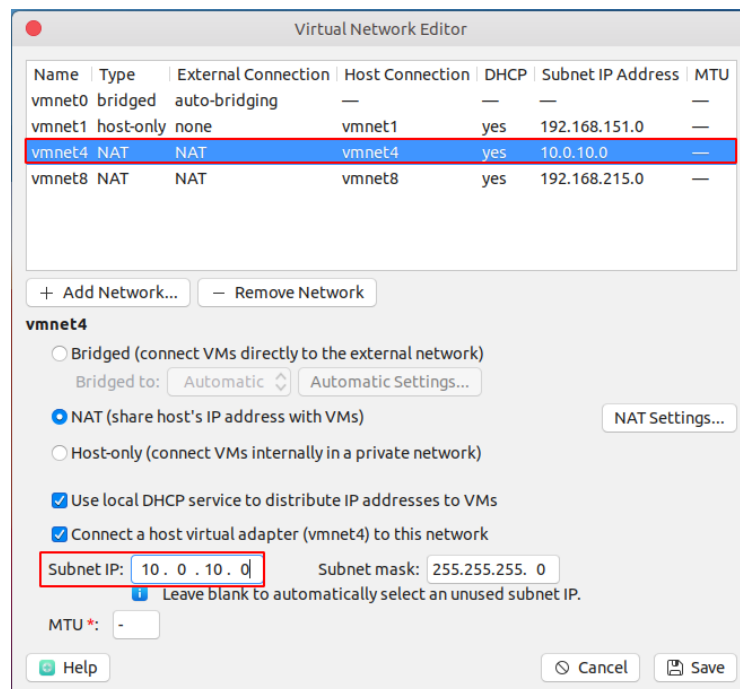
```
maryam@bitterocean:~
[+]
[+] ~ ..... 5s 02:15:47
> ping 192.168.151.128
PING 192.168.151.128 (192.168.151.128) 56(84) bytes of data:
64 bytes from 192.168.151.128: icmp_seq=1 ttl=64 time=0.274 ms
64 bytes from 192.168.151.128: icmp_seq=2 ttl=64 time=0.705 ms
64 bytes from 192.168.151.128: icmp_seq=3 ttl=64 time=0.459 ms
64 bytes from 192.168.151.128: icmp_seq=4 ttl=64 time=0.638 ms
64 bytes from 192.168.151.128: icmp_seq=5 ttl=64 time=0.270 ms
64 bytes from 192.168.151.128: icmp_seq=6 ttl=64 time=0.648 ms
^C
--- 192.168.151.128 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5103ms
rtt min/avg/max/mdev = 0.270/0.499/0.705/0.177 ms
[+] ~ ..... 5s 02:25:52
> |
```

شکل ۲۱: ارتباط سیستم میزبان به سیستم میزبان برقرار است.

در ابتدا نحوه ایجاد یک شبکه custom به صورت زیر است :



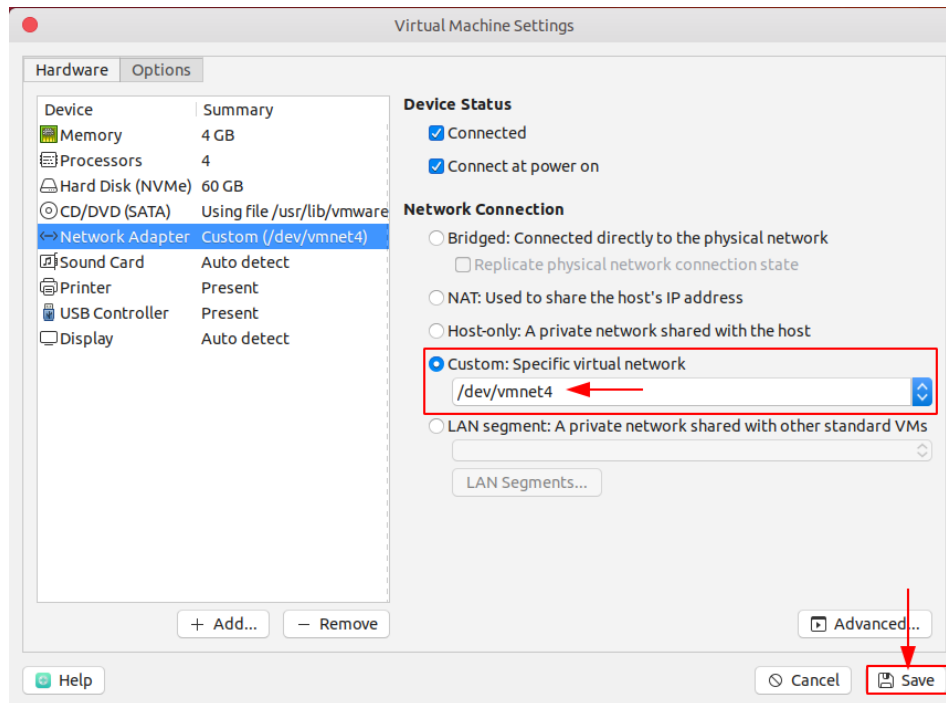
شکل ۲۲: ایجاد یک شبکه Custom



شکل ۲۳: Virtual Network Editor

در ادامه بررسی سایر موارد آورده شده است (البته این قسمت تقریباً مشابه بخش NAT است).

- تنظیم وضعیت شبکه :



شکل ۲۴: تنظیم وضعیت شبکه سیستم مهمان بر روی Custom

- وضعیت IP سیستم مهمان:

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ifconfig
ens160: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.10.128 netmask 255.255.255.0 broadcast 10.0.10.255
    inet6 fe80::c134:e267:a900:222 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:04:3e:9e txqueuelen 1000 (Ethernet)
    RX packets 127112 bytes 177711732 (177.7 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 52071 bytes 2874747 (2.8 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 memory 0xfd4a0000-fd4c0000

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 520 bytes 40888 (40.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 520 bytes 40888 (40.8 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

maryam@NetLab:~$
```

شکل ۲۵: آدرس IP سیستم مهمان

- اتصال ماشین مهمان به اینترنت ؟

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping www.google.com
PING www.google.com (172.217.19.164) 56(84) bytes of data.
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=1 ttl=128 time
=75.7 ms
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=2 ttl=128 time
=70.5 ms
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=3 ttl=128 time
=458 ms
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=4 ttl=128 time
=71.0 ms
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=5 ttl=128 time
=73.2 ms
64 bytes from fjr02s09-in-f4.1e100.net (172.217.19.164): icmp_seq=6 ttl=128 time
=144 ms
^C
--- www.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5112ms
rtt min/avg/max/mdev = 70.567/149.059/458.772/141.014 ms
maryam@NetLab:~$
```

شکل ۲۶: بررسی وضعیت اتصال به اینترنت سیستم مهمان در حالت Custom

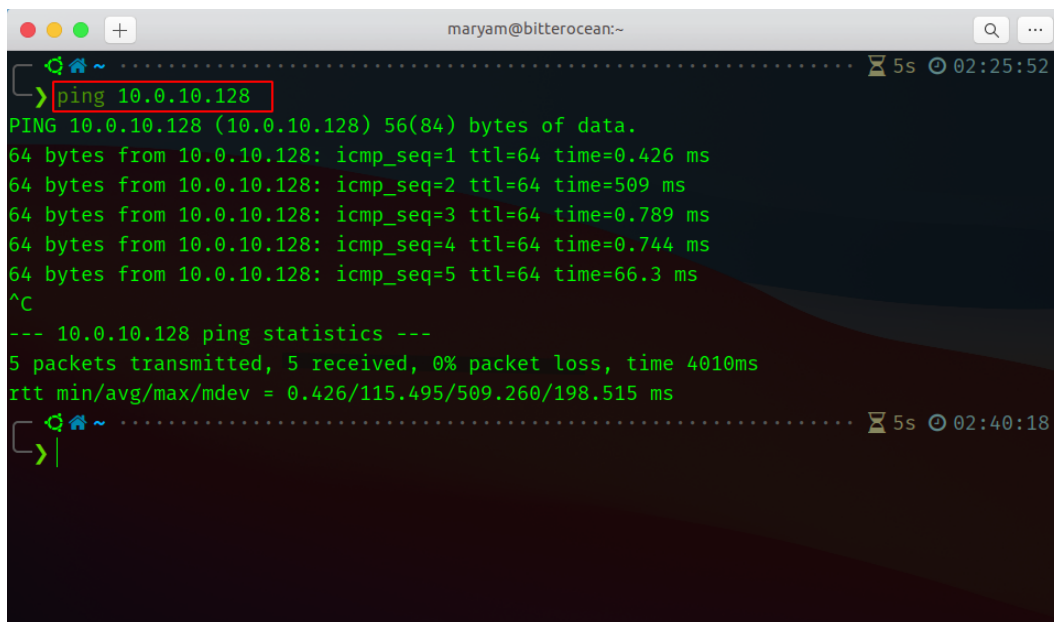
- بررسی دستور *ping HOST – Machine – IP* به جهت بررسی دسترسی ماشین مهمان به ماشین میزبان

```
maryam@NetLab: ~
File Edit View Search Terminal Help
maryam@NetLab:~$ ping 192.168.1.7
PING 192.168.1.7 (192.168.1.7) 56(84) bytes of data.
64 bytes from 192.168.1.7: icmp_seq=1 ttl=128 time=770 ms

64 bytes from 192.168.1.7: icmp_seq=2 ttl=128 time=0.845 ms
64 bytes from 192.168.1.7: icmp_seq=3 ttl=128 time=0.603 ms
64 bytes from 192.168.1.7: icmp_seq=4 ttl=128 time=0.598 ms
64 bytes from 192.168.1.7: icmp_seq=5 ttl=128 time=3.23 ms
64 bytes from 192.168.1.7: icmp_seq=6 ttl=128 time=1.00 ms
^C
--- 192.168.1.7 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 6375ms
rtt min/avg/max/mdev = 0.598/129.492/770.673/286.746 ms
maryam@NetLab:~$
```

شکل ۲۷: ارتباط سیستم مهمان به سیستم میزبان برقرار است.

- بررسی دستور *ping GUEST – Machine – IP* به جهت بررسی دسترسی ماشین میزبان به ماشین مهمان



```
maryam@bitterocean:~  
[~] ~ ..... 5s 02:25:52  
> ping 10.0.10.128  
PING 10.0.10.128 (10.0.10.128) 56(84) bytes of data.  
64 bytes from 10.0.10.128: icmp_seq=1 ttl=64 time=0.426 ms  
64 bytes from 10.0.10.128: icmp_seq=2 ttl=64 time=509 ms  
64 bytes from 10.0.10.128: icmp_seq=3 ttl=64 time=0.789 ms  
64 bytes from 10.0.10.128: icmp_seq=4 ttl=64 time=0.744 ms  
64 bytes from 10.0.10.128: icmp_seq=5 ttl=64 time=66.3 ms  
^C  
--- 10.0.10.128 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4010ms  
rtt min/avg/max/mdev = 0.426/115.495/509.260/198.515 ms  
[~] ~ ..... 5s 02:40:18  
> |
```

شکل ۲۸: ارتباط سیستم میزبان به سیستم مهمان برقرار است.