

# JUAN ANTONIO VILLORIA DEL MORAL

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JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
javilloria@javilloria-server1:~$ sudo nano /etc/netplan/00-installer-config.yaml
```

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JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 4.8 /etc/netplan/00-installer-config.yaml
# This is the network config written by 'subiquity'
network:
  ethernet:
    enp0s3:
      dhcp4: true
  version: 2
[ Read 6 lines ]
Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  M-U Undo
Exit      Read File  Replace   Paste Text To Spell  Go To Line M-E Redo
```

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JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 4.8 /etc/netplan/00-installer-config.yaml Modified
# This is the network config written by 'subiquity'
network:
  ethernet:
    enp0s3:
      dhcp4: no
      dhcp6: no
      addresses: [ 192.168.0.200/24 ]
    enp0s8:
      dhcp4: no
      dhcp6: no
      addresses: [ 192.168.1.200/24 ]
  version: 2
Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  M-U Undo
Exit      Read File  Replace   Paste Text To Spell  Go To Line M-E Redo
CTRL DERECHA
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
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javilloria@javilloria-server1:~$ sudo netplan apply
```

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JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
javilloria@javilloria-server1:~$ ip -c 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
        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:fb:a4:6c brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.200/24 brd 192.168.0.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe94:cf1c/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:94:cf:1c brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.200/24 brd 192.168.1.255 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe94:cf1c/64 scope link
        valid_lft forever preferred_lft forever
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
javilloria@javilloria-server1:~$ ping 192.168.0.1
PING 192.168.0.1 (192.168.0.1) 56(84) bytes of data.
64 bytes from 192.168.0.1: icmp_seq=1 ttl=64 time=3.55 ms
64 bytes from 192.168.0.1: icmp_seq=2 ttl=64 time=0.639 ms
64 bytes from 192.168.0.1: icmp_seq=3 ttl=64 time=0.599 ms
64 bytes from 192.168.0.1: icmp_seq=4 ttl=64 time=0.605 ms
64 bytes from 192.168.0.1: icmp_seq=5 ttl=64 time=1.16 ms
64 bytes from 192.168.0.1: icmp_seq=6 ttl=64 time=0.596 ms
64 bytes from 192.168.0.1: icmp_seq=7 ttl=64 time=0.629 ms
64 bytes from 192.168.0.1: icmp_seq=8 ttl=64 time=0.609 ms
64 bytes from 192.168.0.1: icmp_seq=9 ttl=64 time=0.576 ms
64 bytes from 192.168.0.1: icmp_seq=10 ttl=64 time=0.579 ms
64 bytes from 192.168.0.1: icmp_seq=11 ttl=64 time=0.629 ms
64 bytes from 192.168.0.1: icmp_seq=12 ttl=64 time=0.673 ms
64 bytes from 192.168.0.1: icmp_seq=13 ttl=64 time=0.607 ms
64 bytes from 192.168.0.1: icmp_seq=14 ttl=64 time=0.677 ms
64 bytes from 192.168.0.1: icmp_seq=15 ttl=64 time=0.567 ms
64 bytes from 192.168.0.1: icmp_seq=16 ttl=64 time=0.666 ms
64 bytes from 192.168.0.1: icmp_seq=17 ttl=64 time=0.814 ms
64 bytes from 192.168.0.1: icmp_seq=18 ttl=64 time=0.606 ms
64 bytes from 192.168.0.1: icmp_seq=19 ttl=64 time=0.575 ms
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
javilloria@javilloria-server1:~$ sudo nano /etc/default/isc-dhcp-server_
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 4.8 /etc/default/isc-dhcp-server Modified
# Defaults for isc-dhcp-server (sourced by /etc/init.d/isc-dhcp-server)

# Path to dhcpd's config file (default: /etc/dhcp/dhcpd.conf).
DHCPDv4_CONF=/etc/dhcp/dhcpd.conf
#DHCPDv6_CONF=/etc/dhcp/dhcpd6.conf

# Path to dhcpd's PID file (default: /var/run/dhcpd.pid).
DHCPDv4_PID=/var/run/dhcpd.pid
#DHCPDv6_PID=/var/run/dhcpd6.pid

# Additional options to start dhcpd with.
# Don't use options -cf or -pf here; use DHCPD_CONF/ DHCPD_PID instead
#OPTIONS=""

# On what interfaces should the DHCP server (dhcpd) serve DHCP requests?
# Separate multiple interfaces with spaces, e.g. "eth0 eth1".
INTERFACESv4="enp0s8"
INTERFACESv6=""

[ Read 18 lines ]
Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  M-U Undo
Exit      Read File  Replace  Paste Text  To Spell  Go To Line  M-E Redo
CTRL DERECHA
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
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javilloria@javilloria-server1:~$ sudo nano /etc/dhcp/dhcpd.conf_
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
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GNU nano 4.8 /etc/dhcp/dhcpd.conf Modified
option domain-name-servers ns1.example.org, ns2.example.org;

default-lease-time 600;
max-lease-time 7200;

# The ddns-updates-style parameter controls whether or not the server will
# attempt to do a DNS update when a lease is confirmed. We default to the
# behavior of the version 2 packages ('none', since DHCP v2 didn't
# have support for DDNS.)
# have support for DDNS.)
ddns-update-style none;

# If this DHCP server is the official DHCP server for the local
# network, the authoritative directive should be uncommented.
#authoritative;

# Use this to send dhcp log messages to a different log file (you also
# have to hack syslog.conf to complete the redirection).
#log-facility local7;

# No service will be given on this subnet, but declaring it helps the
# DHCP server to understand the network topology.

subnet 192.168.1.0 netmask 255.255.255.0 {
    range 192.168.1.25 192.168.1.27;
    option domain-name-servers 192.168.1.200;
    option broadcast-address 192.168.1.255;
}

# This is a very basic subnet declaration.

#subnet 10.254.239.0 netmask 255.255.255.224 {
#    range 10.254.239.10 10.254.239.20;
#    option routers rtr-239-0-1.example.org, rtr-239-0-2.example.org;
#}

Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  M-U Undo
Exit      Read File  Replace  Paste Text  To Spell  Go To Line  M-E Redo
CTRL DERECHA
```

```
JVilloria-Server1 [Corriendo] - Oracle VM VirtualBox
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javilloria@javilloria-server1:~$ systemctl restart isc-dhcp-server
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ====
Authentication is required to restart 'isc-dhcp-server.service'.
Authenticating as: Juan Antonio Villoria del Moral (javilloria)
Password:
==== AUTHENTICATION COMPLETE ====
javilloria@javilloria-server1:~$ _
```

```
JVilloria-Client1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
javilloria@javilloria-client1:~$ ip -c 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
        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 08:00:27:17:72:38 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.25/24 brd 192.168.1.255 scope global dynamic enp0s3
        valid_lft 563sec preferred_lft 563sec
    inet6 fe80::a00:27ff:fe17:7238/64 scope link
        valid_lft forever preferred_lft forever
javilloria@javilloria-client1:~$
```