NETPLAN

```
GNU nano 2.9.3                         50-cloud-init.yaml

This file is generated from information provided by the datasource.  Changes
to it will not persist across an instance reboot.  To disable cloud-init's
network configuration capabilities, write a file
/etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
network: {config: disabled}
etwork:
  version: 2
  ethernets:

      enp0s3:
          dhcp4: false
          addresses: [192.168.1.100/24]
          gateway4: 192.168.1.1
          nameservers:
            addresses: [50.10.10.6, 192.168.1.1, 8.8.8.8, 8.8.4.4]

      enp0s8:
          addresses: [30.10.10.1/24]
          dhcp4: false
          dhcp6: false
          nameservers:
            addresses: [50.10.10.6, 192.168.1.1, 8.8.8.8, 8.8.4.4]

      enp0s9:
          addresses: [192.168.40.1/24]
          dhcp4: false
          dhcp6: false
          nameservers:
            addresses: [50.10.10.6, 192.168.1.1, 8.8.4.4, 8.8.8.8]




                              [ Read 29 lines ]
G Get Help    ^O Write Out   ^W Where Is   ^K Cut Text    ^J Justify    ^C Cur Pos     M-U Undo
X Exit        ^R Read File    \ Replace    ^U Uncut Text  ^T To Spell   ^_ Go To Line  M-E Redo
```

FIREWALL

```
GNU nano 2.9.3                        lampaio.sh

IPTABLES=/sbin/iptables
EXTIF="enp0s3"
INTIF="enp0s8"
LAMPAIO="30.10.10.2"
INTERNA="40.10.10.2"

$IPTABLES -P INPUT ACCEPT
$IPTABLES -F INPUT
$IPTABLES -P OUTPUT ACCEPT
$IPTABLES -F OUTPUT
$IPTABLES -P FORWARD ACCEPT
$IPTABLES -F FORWARD
$IPTABLES -t nat -F

echo "Reglas limpiadas"
echo 1 > /proc/sys/net/ipv4/ip_forward
echo "Bitacora"
$IPTABLES -A INPUT -p icmp -j LOG --log-prefix "Tráfico PING"
$IPTABLES -A INPUT -p tcp --dport 22 -j LOG --log-prefix "Tráfico SSH"
$IPTABLES -A INPUT -p tcp --dport 80 -j LOG --log-prefix "Tráfico WEB"
$IPTABLES -A INPUT -p tcp --dport 1898 -j LOG --log-prefix "Tráfico DRUPAL"
echo "IP forward habilitado"
$IPTABLES -A FORWARD -i $EXTIF -p tcp --dport 22 -j ACCEPT
$IPTABLES -A PREROUTING -t nat -p tcp --dport 22 -j DNAT --to $LAMPAIO:22 && echo "Regla 1 OK"
$IPTABLES -A FORWARD -i $EXTIF -p tcp --dport 80 -j ACCEPT
$IPTABLES -A PREROUTING -t nat -p tcp --dport 80 -j DNAT --to $LAMPAIO:80 && echo "Regla 2 OK"
$IPTABLES -A FORWARD -i $EXTIF -p tcp --dport 1898 -j ACCEPT
$IPTABLES -A PREROUTING -t nat -p tcp --dport 1898 -j DNAT --to $LAMPAIO:1898 && echo "Regla 3 OK"
$IPTABLES -t nat -A POSTROUTING -s 30.10.10.0/24 -o $EXTIF -j MASQUERADE && echo "Regla 4 OK"
echo "Servicio de internet habilitado"
$IPTABLES -A INPUT -i $EXTIF -p tcp --dport 10000 -j DROP
$IPTABLES -A INPUT -i $EXTIF -p tcp --dport 3128 -j DROP
                           [ Read 35 lines ]
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     M-U Undo
^X Exit        ^R Read File   ^\ Replace     ^U Uncut Text  ^T To Linter   ^_ Go To Line  M-E Redo
```

DHCP

```
  GNU nano 2.9.3                              dhcpd.conf

subnet 30.10.10.0 netmask 255.255.255.0 {
        option domain-name "red_interna";
        option domain-name-servers 30.10.10.1, 8.8.8.8;
        option subnet-mask 255.255.255.0;
        ddns-update-style none;
        authoritative;
        default-lease-time 600;
        max-lease-time 7200;
        range 30.10.10.1 30.10.10.100;
        option routers 30.10.10.1;
        option broadcast-address 30.10.10.255;
}

subnet 192.168.100.0 netmask 255.255.255.0 {
        option domain-name "dmz";
        option domain-name-servers 192.168.100.1, 8.8.8.8;
        option subnet-mask 255.255.255.0;
        ddns-update-style none;
        authoritative;
        default-lease-time 600;
        max-lease-time 7200;
        range 192.168.100.50 192.168.100.100;
        option routers 192.168.100.1;
        option broadcast-address 192.168.100.255;
}




                            [ Read 25 lines ]
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos      M-U Undo
^X Exit        ^R Read File   ^\ Replace     ^U Uncut Text  ^T To Spell    ^_ Go To Line   M-E Redo
```

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