

# PNETLAB

PNETLAB

- [PNETLAB](#)

# PNETLAB ??

## ??Ubuntu 18.04 ????



ubuntu\_lv

Storage configuration [ Help ]

FILE SYSTEM SUMMARY

| MOUNT POINT | SIZE   | TYPE     | DEVICE TYPE                     |
|-------------|--------|----------|---------------------------------|
| [ /         | 8.996G | new ext4 | new LVM logical volume ▶ ]      |
| [ /boot     | 1.000G | new ext4 | new partition of local disk ▶ ] |

AVAILABLE DEVICES

| DEVICE                           | TYPE       | SIZE        |
|----------------------------------|------------|-------------|
| [ QEMU NVMe Ctrl1_5678<br>unused | local disk | 10.000G ▶ ] |

[ Create software RAID (md) ▶ ]  
[ Create volume group (LVM) ▶ ]

USED DEVICES

| DEVICE                                                     | TYPE             | SIZE                      |
|------------------------------------------------------------|------------------|---------------------------|
| [ ubuntu-vg (new)                                          | LVM volume group | 8.996G ▶ 1                |
| ubuntu-lv new, to be formatted as ext4, mounted at /       |                  | 8.996G ▶ <b>Change it</b> |
| [ QEMU NVMe Ctrl1_1234                                     | local disk       | 10.000G ▶ ]               |
| partition 1 new, bios_grub                                 |                  | 1.000M ▶                  |
| partition 2 new, to be formatted as ext4, mounted at /boot |                  | 1.000G ▶                  |
| partition 3 new, PV of LVM volume group ubuntu-vg          |                  | 8.997G ▶                  |

[ Done ]  
[ Reset ]  
[ Back ]

```
sed -i -e "s/.*PermitRootLogin .*/PermitRootLogin yes/" /etc/ssh/sshd_config
```

## ??Pnetlab sources.list

```
nano /etc/apt/sources.list
```

```
deb [trusted=yes] http://repo.pnetlab.com ./
```

## ??Pnetlab

```
echo "nameserver 8.8.8.8" > /etc/resolv.conf
apt-get update
apt-get purge netplan.io
apt-get install pnetlab -y
```

Note: May be get error in installing process. run apt-get update then install pnetlab again  
apt-get install pnetlab -y

## 4.2.105.5.x

```
bash -c "$(curl -sL
https://drive.labhub.eu.org/0:/upgrades_pnetlab/bionic/install_pnetlab_v5_testing.sh)"
```

[install\\_pnetlab\\_v5\\_testing.sh](#)

## ssh?telnet???

```
adduser username
```

## Shell

Shell

Shell

Shell

rbash

bash

```
usermod -s /bin/rbash username
```

telnet

ssh

```
mkdir /home/username/bin
```

telnet ssh

```
ln -s /usr/bin/ssh /home/username/bin/
ln -s /usr/bin/telnet /home/username/bin/
```

PATH

PATH

```
echo "export PATH=/home/username/bin" >> /home/username/.bashrc
```

□□□□

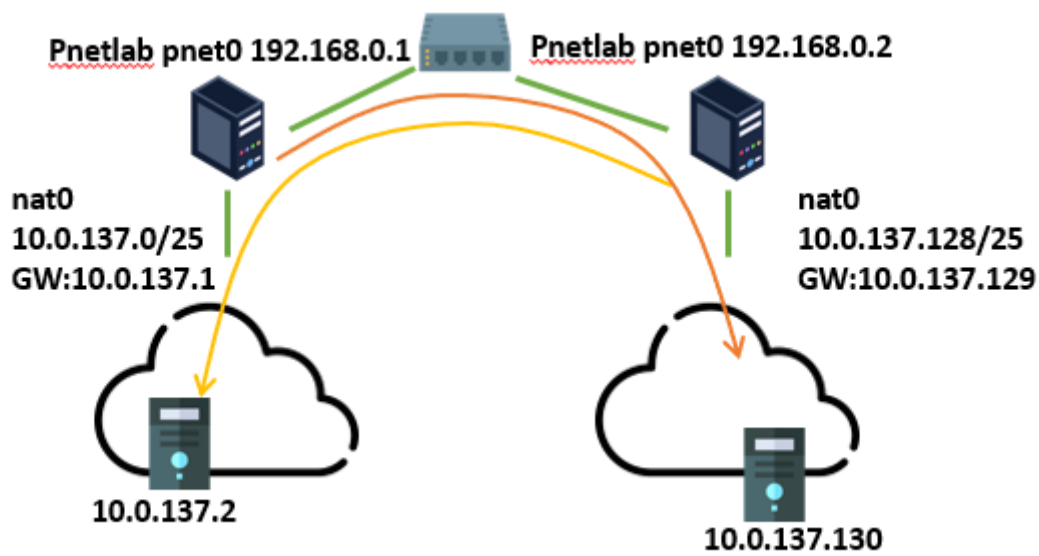
pnetlab□

nat0□□□□□□□□□□

nat0

□□□□□□□□□□

nat0□□□



????

□□ /etc/network/interfaces

```
auto nat0
iface nat0 inet static
    bridge_ports natmac
    bridge_stp off
    address 10.0.137.1
    netmask 255.255.255.0
    up service udhcpd restart

###□□□□pnetlab□□
up ip route add 10.0.137.128/25 via 192.168.0.2 dev pnet0 src 10.0.137.1
```

