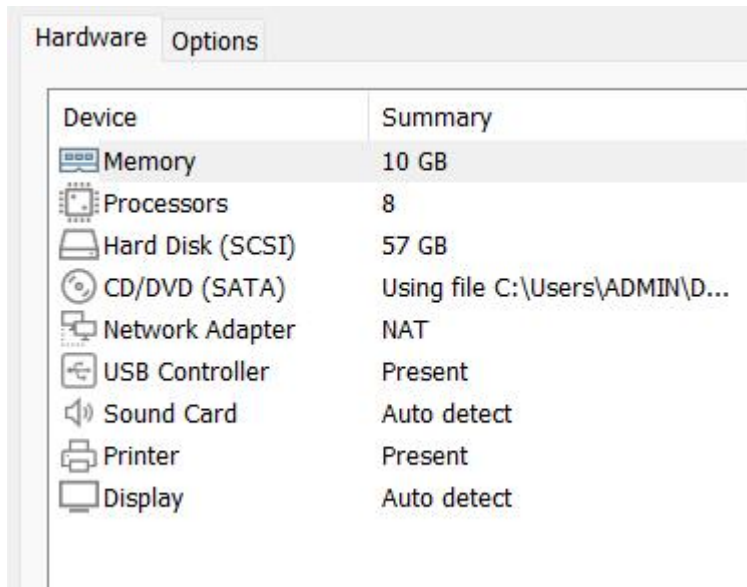


Step 1: Install Ubuntu



The screenshot shows the 'Hardware' tab of the Ubuntu installer. It displays a table of system components and their configurations. The components listed are Memory (10 GB), Processors (8), Hard Disk (SCSI) (57 GB), CD/DVD (SATA) (Using file C:\Users\ADMIN\D...), Network Adapter (NAT), USB Controller (Present), Sound Card (Auto detect), Printer (Present), and Display (Auto detect).

Device	Summary
Memory	10 GB
Processors	8
Hard Disk (SCSI)	57 GB
CD/DVD (SATA)	Using file C:\Users\ADMIN\D...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Step 2: Install Openstack using Devstack in Ubuntu

Reference: <https://www.youtube.com/watch?v=KCZ9PDoBfmo>

```
sudo useradd -m -d /opt/stack -s /bin/bash stack
sudo chmod +x /opt/stack
echo "stack ALL=(ALL) NOPASSWD: ALL" | sudo tee /etc/sudoers.d/stack
```

```
sudo su - stack
sudo apt install git -y
git clone https://git.openstack.org/openstack-dev/devstack
```

```
cd devstack
```

```
nano local.conf
[[local|localrc]]
# Password for KeyStone, Database, RabbitMQ and Service
ADMIN_PASSWORD=1
DATABASE_PASSWORD=1
RABBIT_PASSWORD=1
SERVICE_PASSWORD=1
# Host IP - get your Server/VM IP address from <ip addr> command
```

HOST_IP=192.168.204.144

Enable basic services

ENABLED_SERVICES+=,key,n-api,n-crt,n-obj,n-cpu,n-cond,n-sch,n-cauth,placement-api,placement-client

Enable Senlin and Senlin-Dashboard

enable_plugin senlin https://opendev.org/openstack/senlin stable/2023.2

enable_plugin senlin-dashboard https://opendev.org/openstack/senlin-dashboard stable/2023.2

Name the logfile

LOGFILE=/opt/stack/logs/stack.sh.log

Step 3: Install (This will take at least 10 mins)

./stack.sh

Shift +ctrl + ‘+’

Ctrl + “-”

source ~/devstack/openrc

Step 4: Launch at least 2 instance and create ssh key

Reference:

<https://www.youtube.com/watch?v=a4su8OLXSvc&list=PLFj79il4Np7AeggY5Z8IQzwyUB5nrM2XW>

chmod 600 debian12

ssh -i debian12.key debian@172.24.4.245

Instances

											Instance ID ▾		Filter	Launch Instance	Delete Instances	More Actions ▾
Displaying 3 items																
<input type="checkbox"/>	Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions					
<input type="checkbox"/>	demo2	debian12	192.168.2.63, 172.24.4.237	ds512M	debian	Active	nova	None	Running	2 weeks, 6 days	Create Snapshot ▾					
<input type="checkbox"/>	demo1	debian12	192.168.1.18, 172.24.4.228	ds512M	debian	Active	nova	None	Running	2 weeks, 6 days	Create Snapshot ▾					

