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I successfully downloaded Vmware and Ubuntu


**6. Install the following packages:**

**a. SSH Agent:**

i. sudo apt install ssh

ii. sudo systemctl enable --now ssh

```
sama@sama-virtual-machine:~$ sudo apt install ssh
[sudo] password for sama:
Reading package lists... Done
Building dependency tree
Reading state information... Done
```

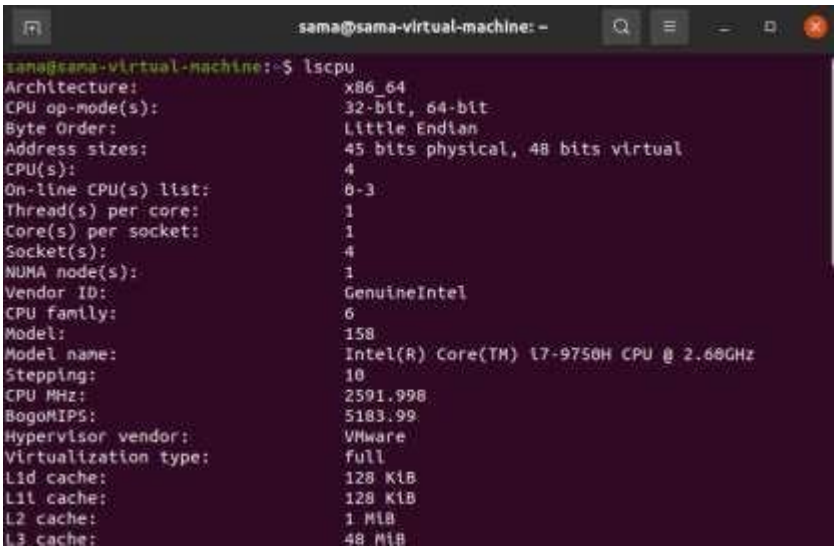
```
sama@sama-virtual-machine:~$ sudo systemctl enable --now ssh
Synchronizing state of ssh.service with SysV service script with /lib
ystemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable ssh
sama@sama-virtual-machine:~$
```

**b.** NET Tools: i. sudo apt install net-tools

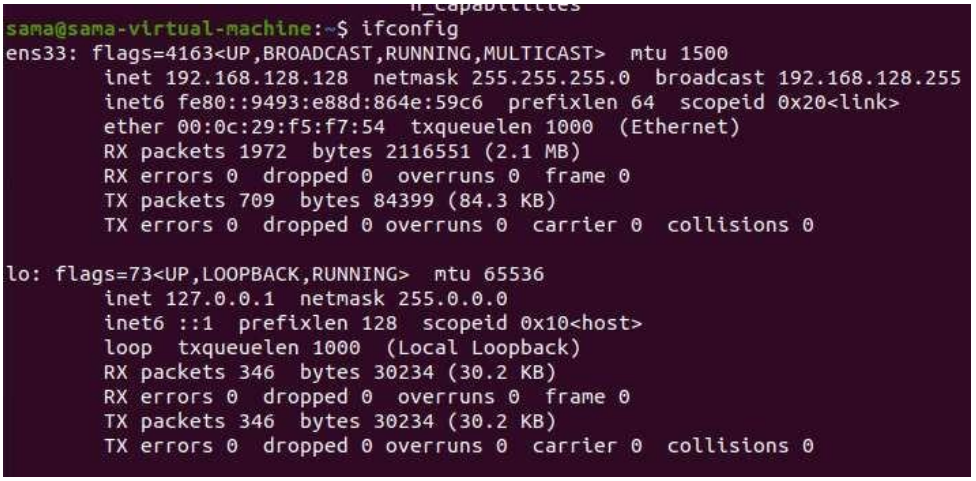
```
sama@sama-virtual-machine:~$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi
  libgstreamer-plugins-bad1.0-0 libva-wayland2
Use 'sudo apt autoremove' to remove them
```

**7.** Explore its configuration. For Ubuntu OS, do the following commands and report the observations:

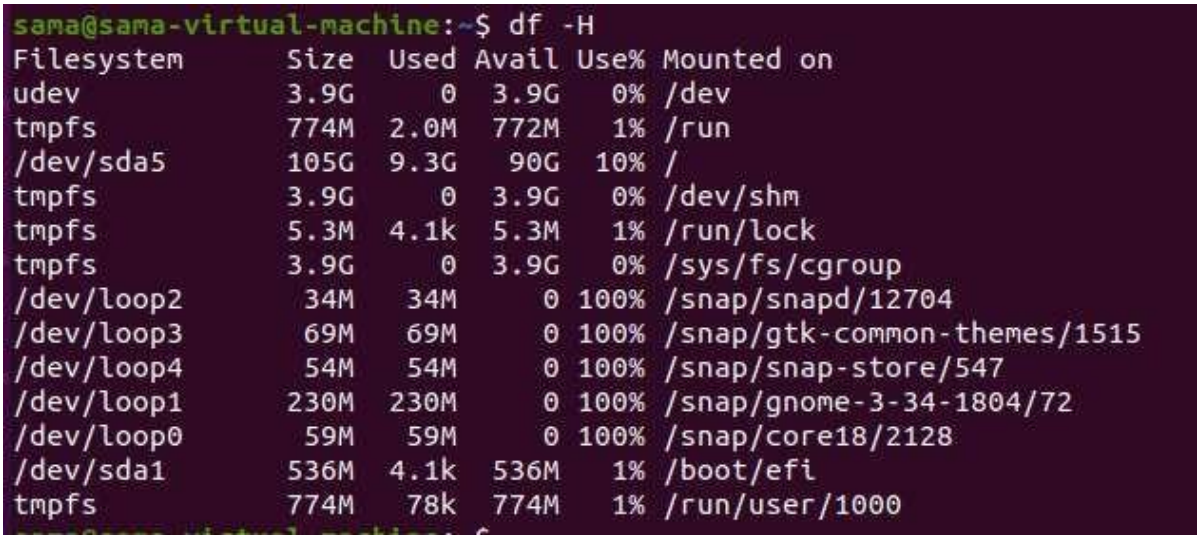
**a. lscpu**




**b. Ifconfig**



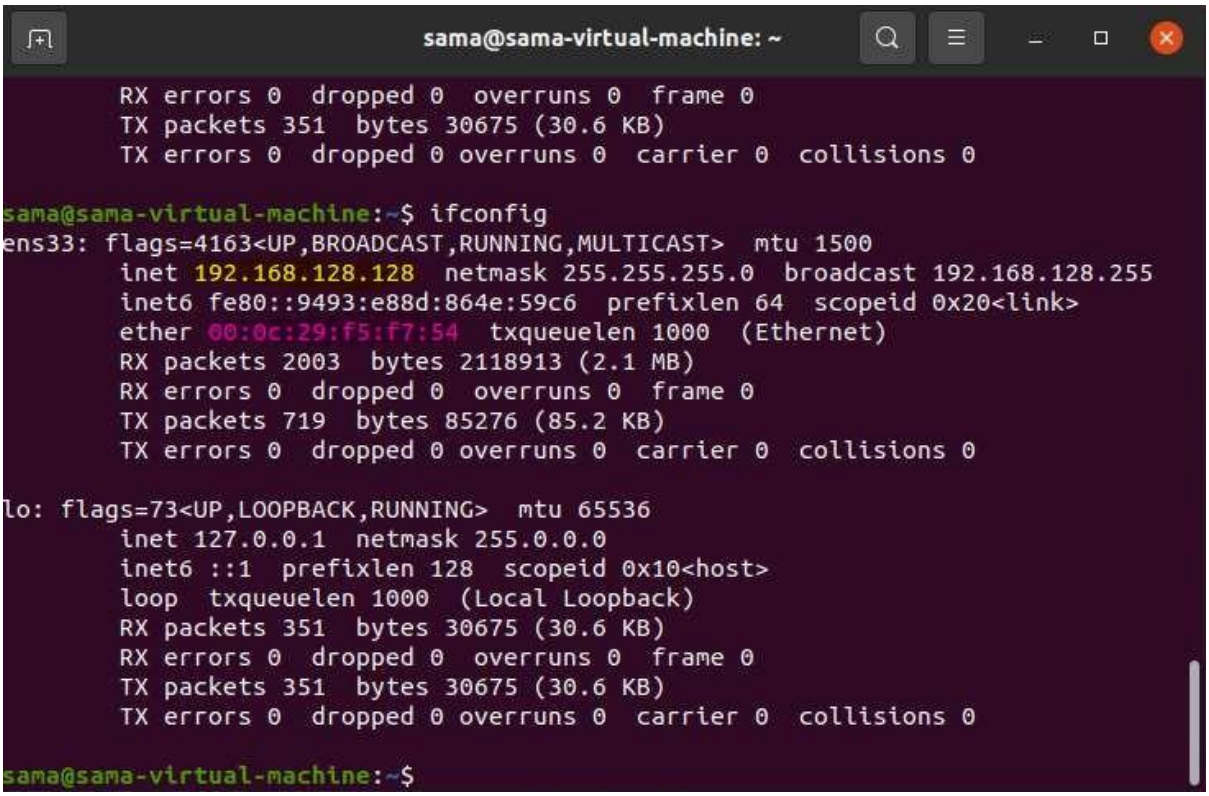

**c. df –H**



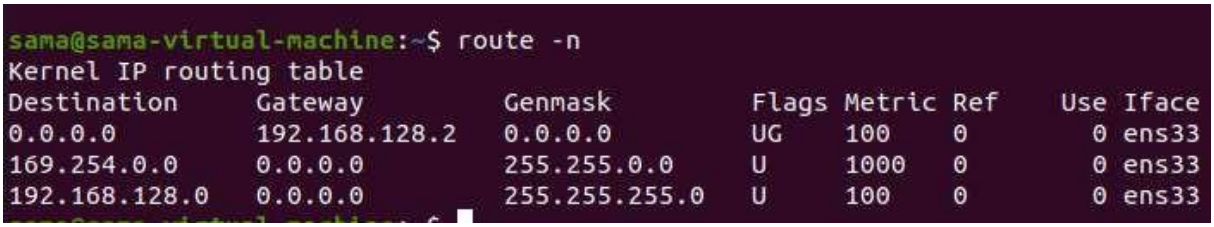
2. On the same VM, answer the following questions with screenshot of the output command:

a. What is VM IP address?

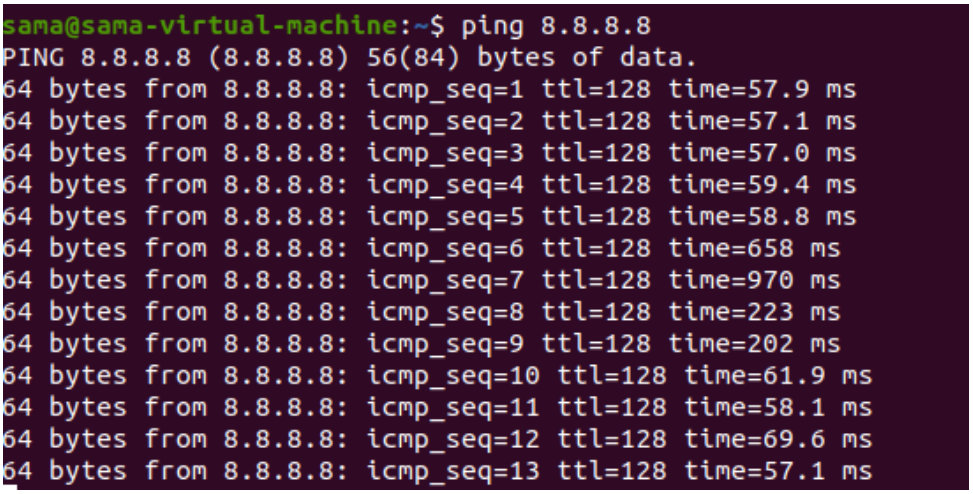
b. What is VM MAC address?




c. What is VM Network Gateway?

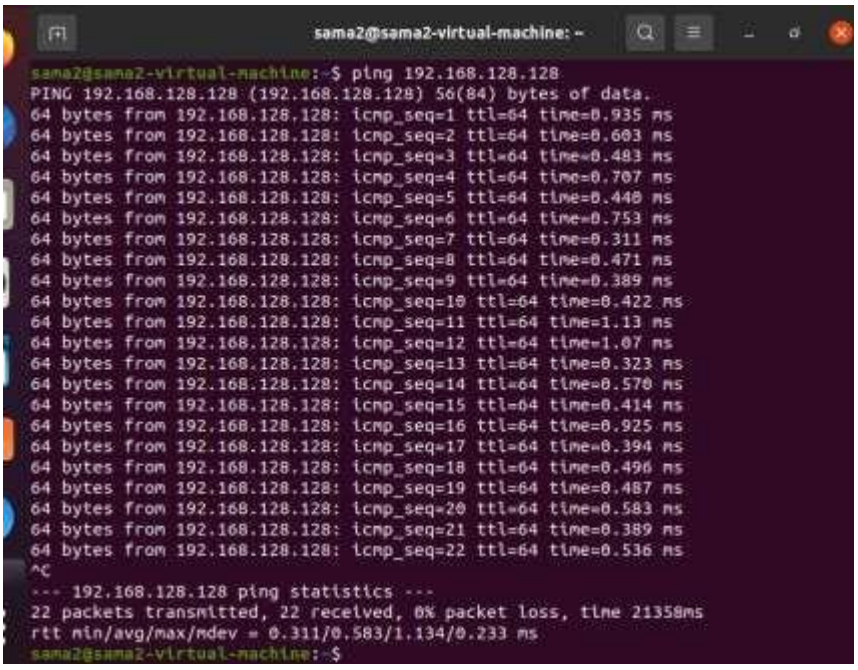



d. the internet (ping 8.8.8.8 or any website on the internet)



3. Following the mentioned procedure, create another Virtual Machine and name it “VM_2”.


4. Do the following: a. Can you ping “VM_1” from the newly created VM “VM_2”?



Print the output of PING command b. Can you telnet to “VM_1” from “VM_2”? Use the command “ssh vm_1_ip_address”, For example: ssh 192.168.74.130