

NAME: SANA TARIQ

CLASS: BSE 5B

REG.NO: 058

SUBJECT: CLOUD COMPUTING

LAB#01:

INSTALLING VMWARE AND SETTING UBUNTU SERVER



New Virtual Machine Wizard

Choose the Virtual Machine Hardware Compatibility

Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware

Workstation 17.5 or later

Compatible

☒ ESX Server

Compatible products:

Fusion 13.5 or later
Workstation 17.5 or later

Limitations:

128 GB memory
32 processors
10 network adapters
8 TB disk size
8 GB shared graphics memory

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New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

No drives available

☒ Installer disc image file (iso):

C:\Users\Sana\Downloads\ubuntu-24.04.3-live-serve

Browse...

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

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New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:

Location:

The default location can be changed at Edit > Preferences.

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New Virtual Machine Wizard

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors:

Number of cores per processor:

Total processor cores:
2

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New Virtual Machine Wizard

**Memory for the Virtual Machine**

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

Memory for this virtual machine: MB

128 GB -
64 GB -
32 GB -
16 GB -
8 GB -
4 GB -
2 GB -
1 GB -
512 MB -
256 MB -
128 MB -
64 MB -
32 MB -
16 MB -
8 MB -
4 MB -

Maximum recommended memory:
6 GB

Recommended memory:
2 GB

Guest OS recommended minimum:
1 GB

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New Virtual Machine Wizard

**Specify Disk Capacity**

How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

☐ Allocate all disk space now.

Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☒ Store virtual disk as a single file☐ Split virtual disk into multiple files

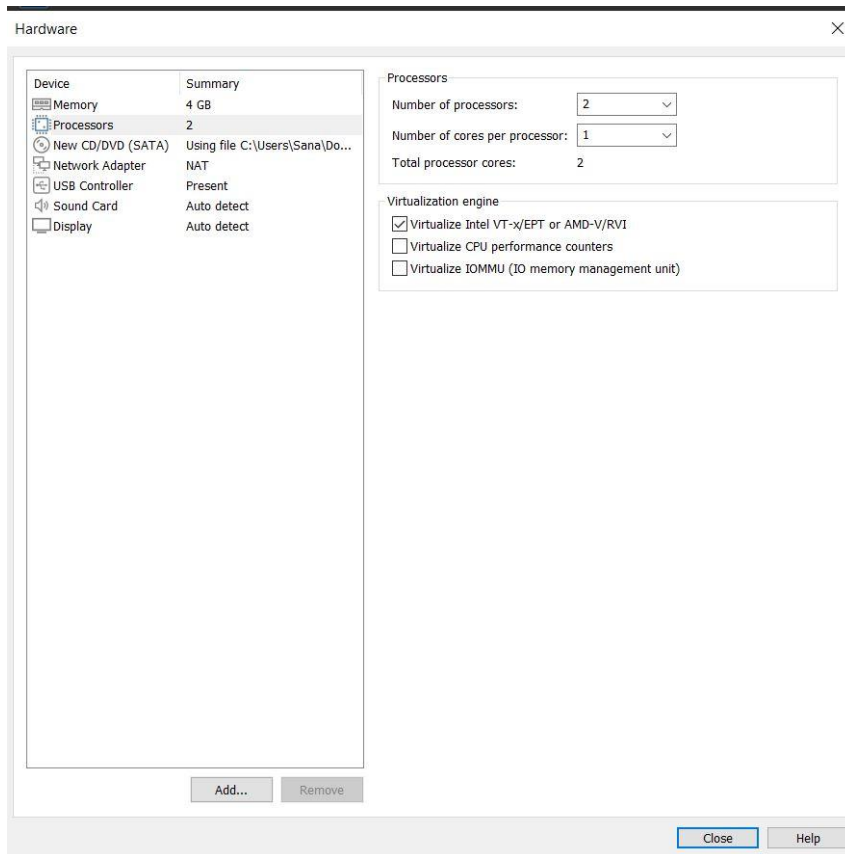
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help

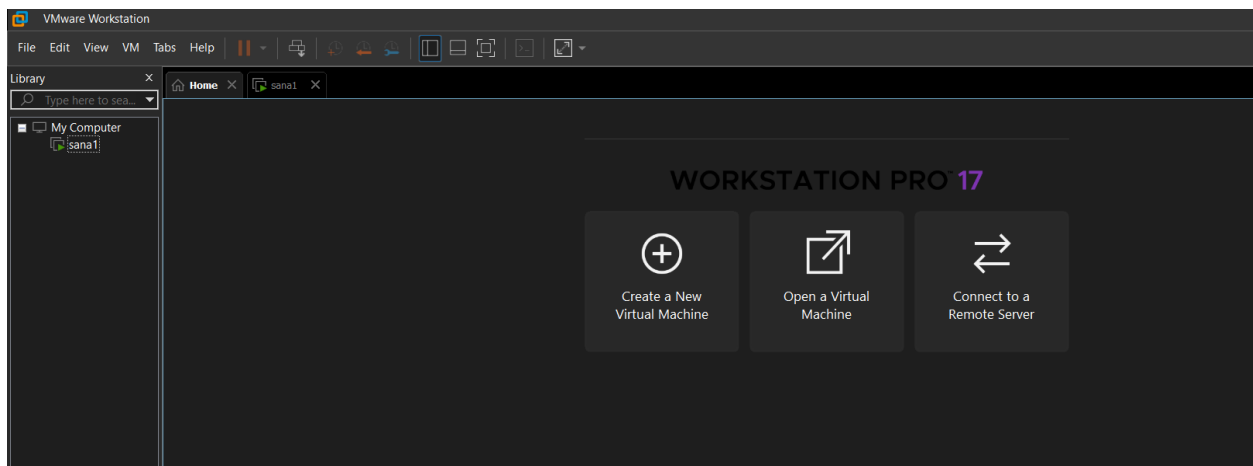
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SETTING UP UBUNTU ON VMWARE:



```
sana058@sana1:~$ ip address
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 noprefixroute
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:d4:97:bb brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.188.128/24 metric 100 brd 192.168.188.255 scope global dynamic ens33
        valid_lft 1781sec preferred_lft 1781sec
    inet6 fe80::20c:29ff:fed4:97bb/64 scope link
        valid_lft forever preferred_lft forever
sana058@sana1:~$ _
```

RUNNING IP ADDRESS ON COMMAND PROMPT:

```
Microsoft Windows [Version 10.0.19045.6396]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Sana>ssh sana058@192.168.188.128
The authenticity of host '192.168.188.128 (192.168.188.128)' can't be established.
ED25519 key fingerprint is SHA256:gBzir2xePkfOWUJHnNJP/RfjHPni3Z2uZIWCG2vE5yo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.188.128' (ED25519) to the list of known hosts.
sana058@192.168.188.128's password:
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-71-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Sep 30 02:48:09 PM UTC 2025

System load:  0.0           Processes:      213
Usage of /:   13.0% of 47.93GB Users logged in: 1
Memory usage: 8%           IPv4 address for ens33: 192.168.188.128
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.
```

```
Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

sana058@sana1:~$
```