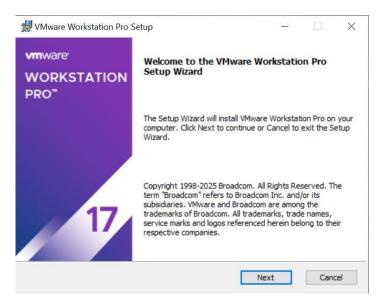
Name: Maira Malik

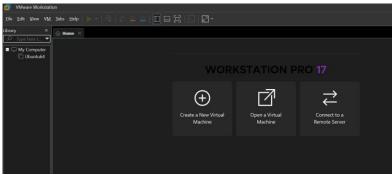
Reg.no: 2023-BSE-040

Subject: Cloud Computing

LAB#01

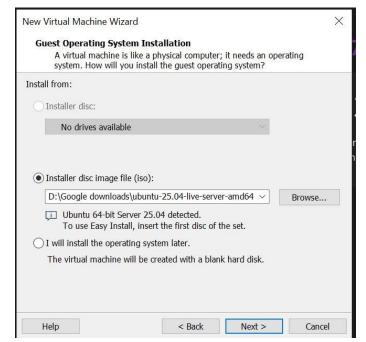
Installation of VMware:

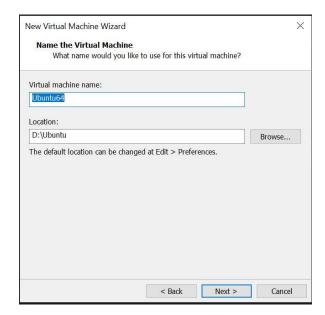


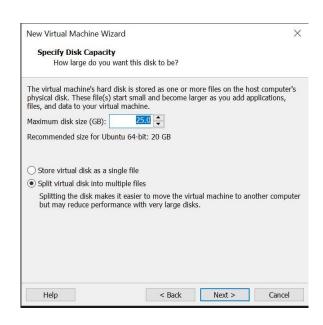


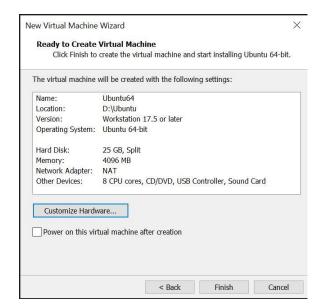
Installation of Ubuntu Server on VMware:

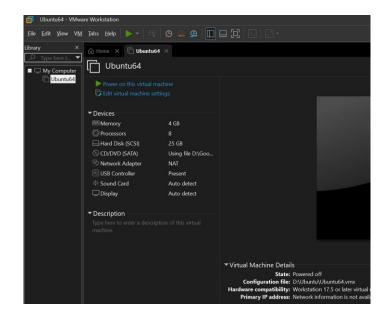














```
Begin: Running /scripts/init-premount ... done.
Begin: Mounting root file system ... Begin: Running /scripts/nfs-top ... done.
Begin: Mounting root file system ... Begin: Running /scripts/nfs-top ... done.
Begin: Running /scripts/nfs-premount ... done.
[ 5.665754] loops: detected capacity change from 0 to 269520
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 5.76230] loops: detected capacity change from 0 to 279256
[ 6.76230] loops: detected capacity change from 0 to 279256
[ 7.76230] loops: developed from 0 to 279256
[ 8.76230] loops: developed from 0 to 279256
[ 8.762
```

```
thoose the type of installation [ Help ]

Choose the base for the installation (X) Ubuntu Server

The default install contains a curated set of packages that provide a comfortable experience for operating your server.

( ) Ubuntu Server (minimized)

This version has been customized to have a small runtime footprint in environments where humans are not expected to log in.

Additional options

[ ) search for third-party drivers

This software is subject to license terms included with its documentation. Some is proprietary, Third-party drivers should not be installed on systems that will be used for FIPS or the real-time termel.
```

```
Network configuration

Configure at least one interface this server can use to talk to other machines, an access for updates.

NAME TYPE NOTES

[ens33 eth - ▶ ]

DHCPV4 192.168.238.128/24

00:00:29:bd:e0:37 / Intel Corporation / 82545EM Gigabit Ethernet Controller (Cor
```

```
Ubuntu archive mirror configuration

If you use an alternative mirror for Ubuntu, enter its details here.

Mirror address: http://pk.archive.ubuntu.com/ubuntu/
You may provide an archive mirror to be used instead of the defau

This mirror location passed tests.

Hit:1 http://pk.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://pk.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://pk.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists...
```

```
configuring lvm_volgroup: lvm_volgroup-0
configuring lvm_partition: lvm_partition-0
configuring format: format-1
configuring mount: mount-1
configuring mount: mount-1
configuring mount: mount-1
executing curt in install extract step
curtin command install
uriting install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmpbjo9bjkw/mount
configuring keyboard
curtin command in-target
executing curt in install curthooks step
curtin command install
configuring installed sustem
running 'curtin curthooks'
curtin command curthooks'
curtin command install
configuring apt configuring apt
installing missing packages
Installing packages on target system: ['grub-pc']
configuring raid (indadm) service
configuring packages on target system
setting up swap
aptly metworking config
uriting etc/fstab
configuring multipath
updating packages on target system
configuring multipath
updating initramis configuration
configuring multipath
updating initramis configuration
configuring injuration
calculating extra packages to install
installing openssh-server
curtin command system-install
uppacking openssh-server
curtin command system-install
```

Ubuntu 24.04.3 LTS ubuntu64 ttu1 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 https://ubuntu.com/pro System information as of Fri Sep 26 04:33:10 PM UTC 2025 System load: 1.08 Processes: 244 Usage of /: 43.6% of 9.75GB Users logged in: 0 Memory usage: 7% IPv4 address for ens33: 192.168.238.129 Swap usage: 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 The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright. Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details. maira040@ubuntu64:~\$

Making Ubuntu Shell in Windows:

```
ED25519 key fingerprint is SHA256:FTSGhWw78R3geJpUfJucvPvD5g0LEFqDx1T1q/cUYo4.
This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes warning: Permanently added '192.168.238.129' (ED25519) to the list of known hosts.

maira040@192.168.238.129's password:
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-71-generic x86_64)
 * Documentation: https://help.ubuntu.com
                       https://landscape.canonical.com
* Support:
                       https://ubuntu.com/pro
 System information as of Fri Sep 26 04:43:31 PM UTC 2025
  System load: 0.07
                                          Processes:
                                                                        214
 Usage of /: 45.0% of 9.75GB Users logged in: 1
Memory usage: 8% IPv4 address for ens33: 192.168.238.129
  Swap usage:
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
```

The authenticity of host '192.168.238.129 (192.168.238.129)' can't be established.

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

maira040@ubuntu64:~\$

Ubuntu64 X