COURSE : CLOUD COMPUTING LAB

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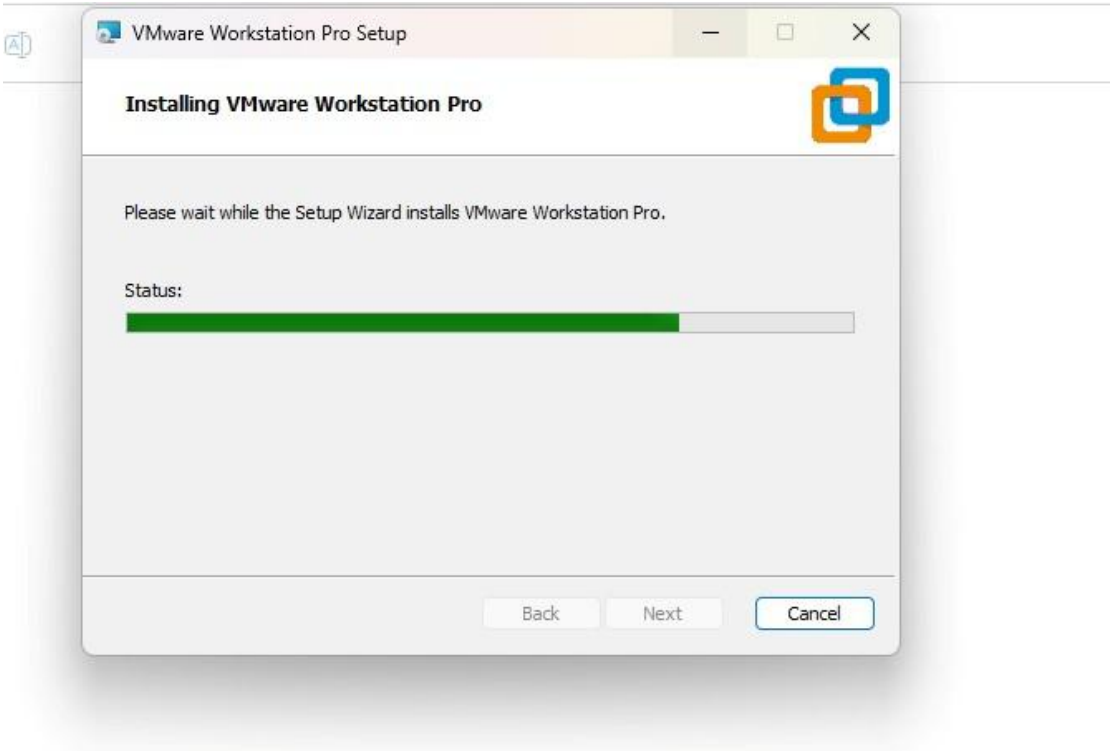
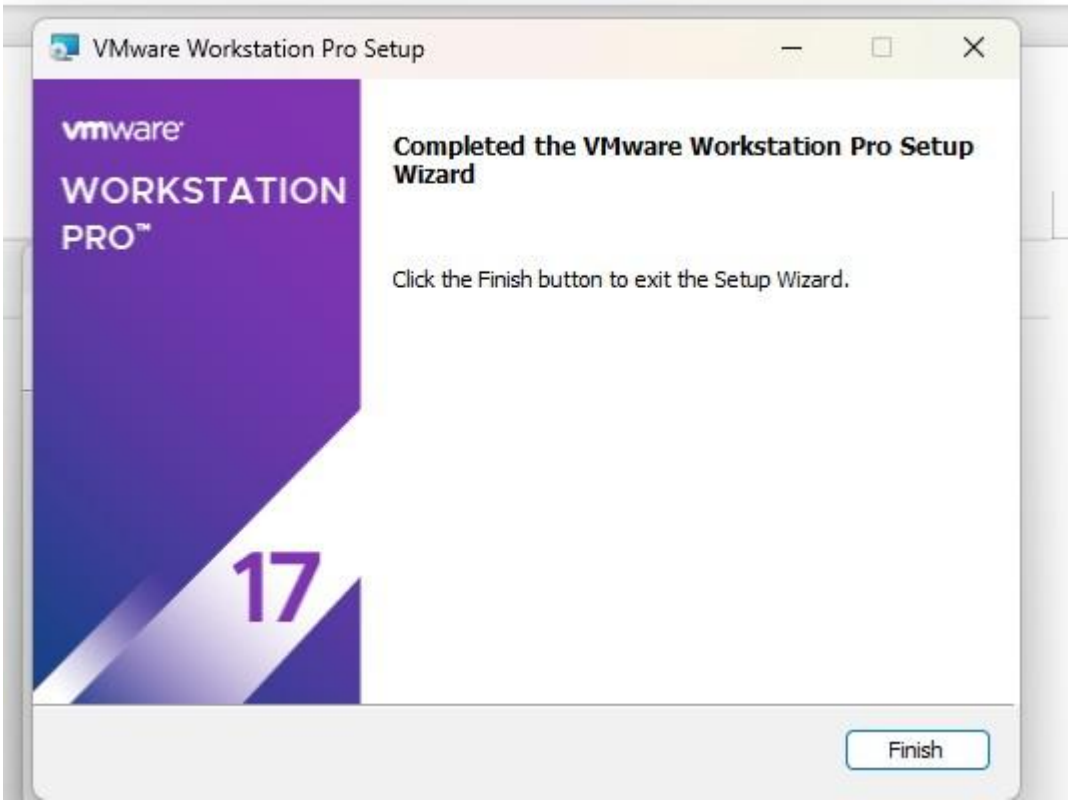
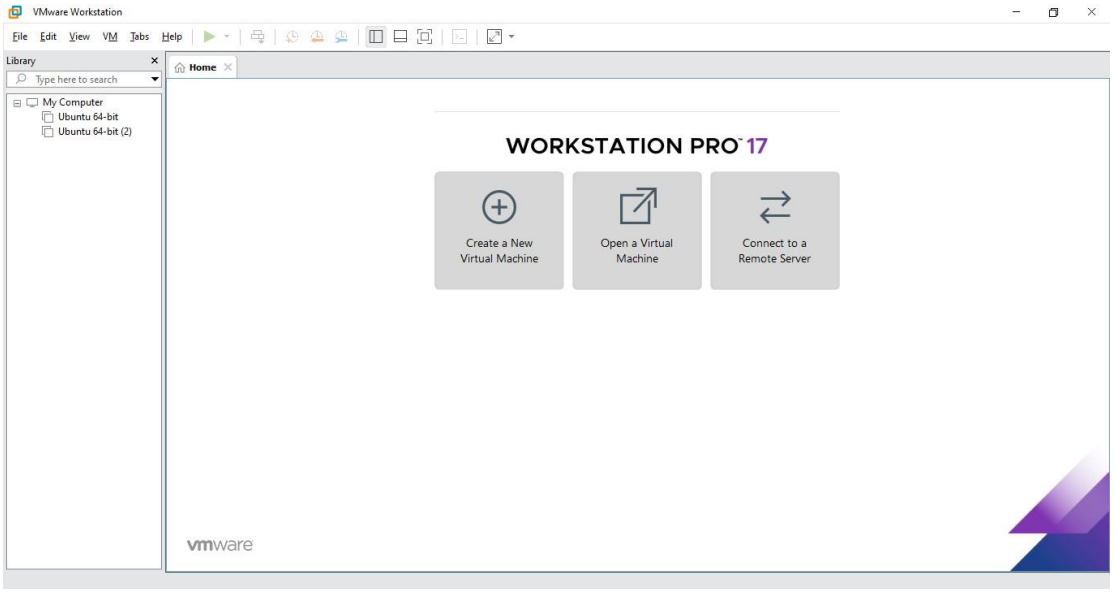
REG# 2023-BSE-038
SUBMITTED TO : SIR MUHAMMAD SHOAIB

LAB # 01

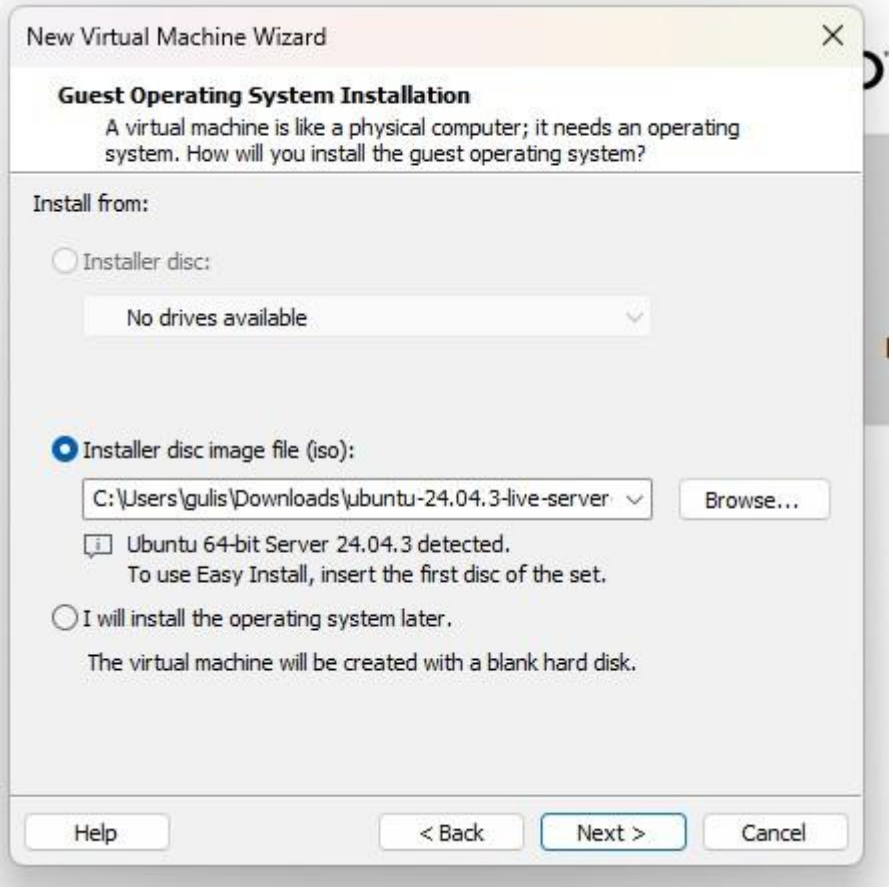
INSTALLATION OF UBUNTU AND VMWARE WORKSTATION PRO
CONFIGURING UBUNTU IN VMWARE

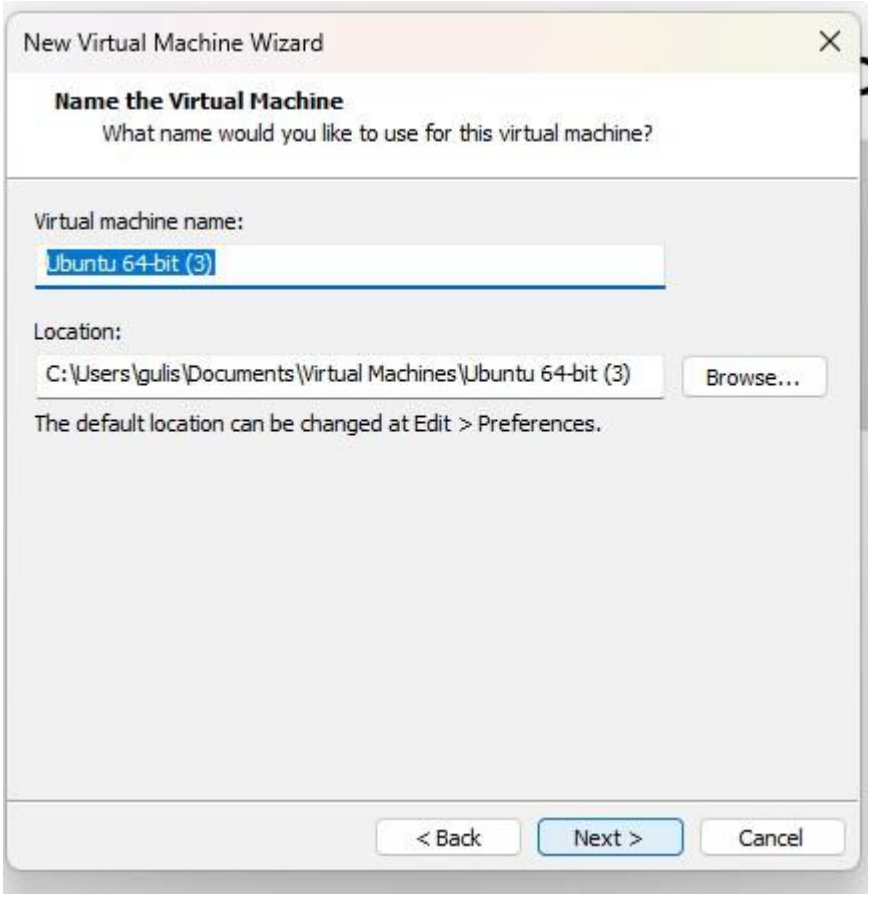


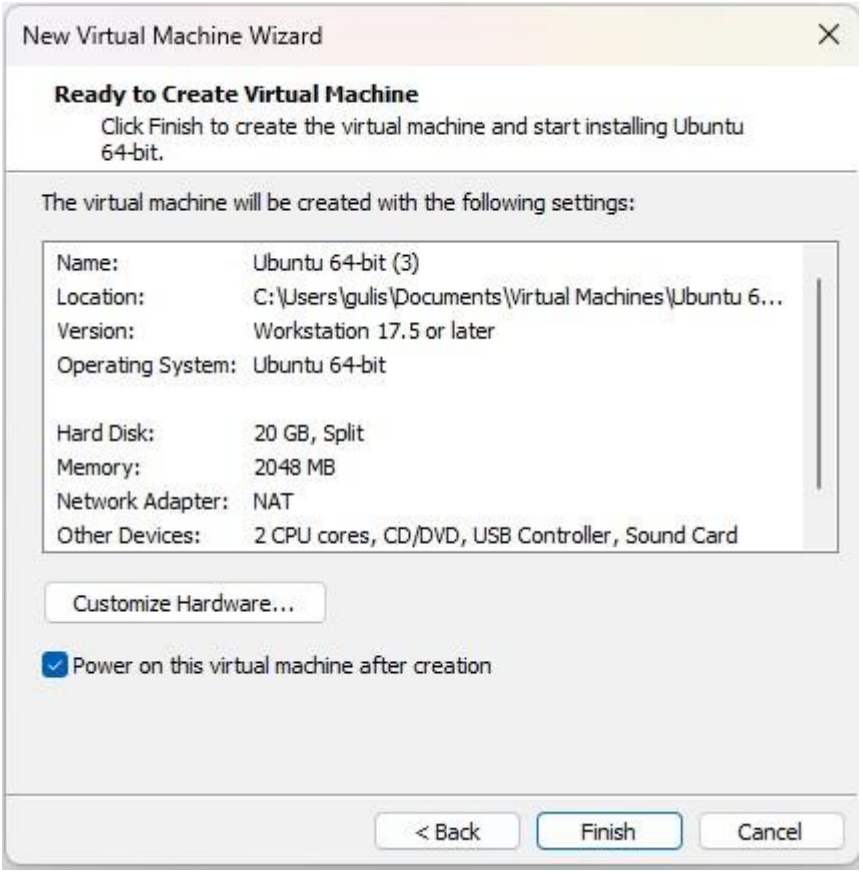

VMware Workstation Pro Setup
vmware
WORKSTATION
PRO™
17
Completed the VMware Workstation Pro Setup Wizard
Click the Finish button to exit the Setup Wizard.
Finish

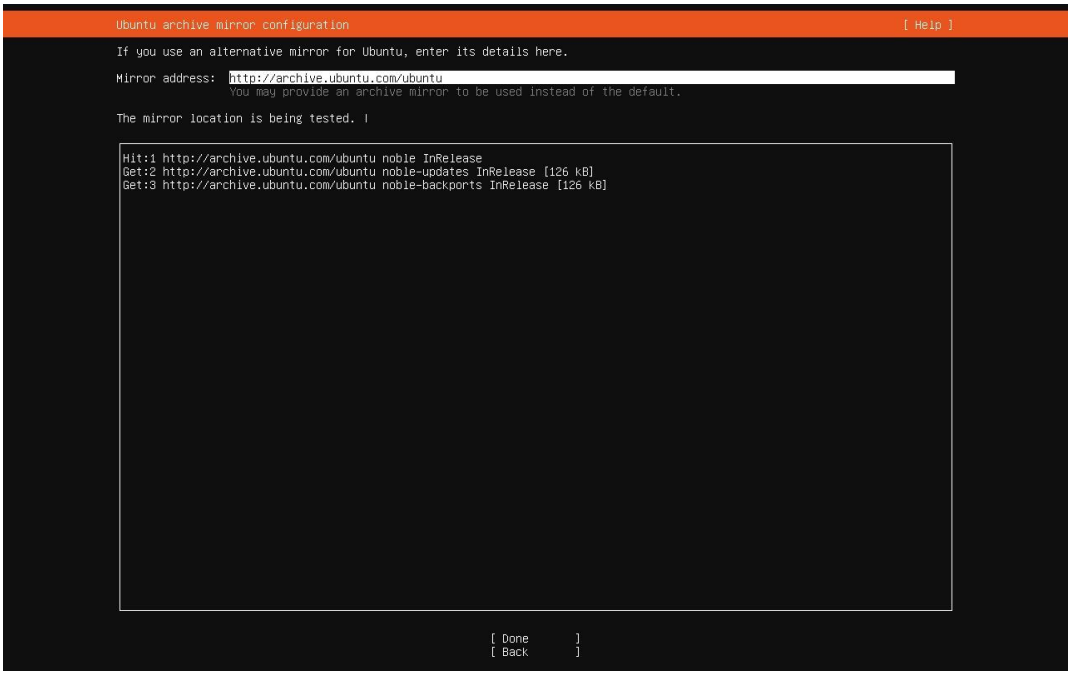

VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Ubuntu 64-bit
Ubuntu 64-bit (2)
Home
WORKSTATION PRO™ 17
Create a New Virtual Machine
Open a Virtual Machine
Connect to a Remote Server
vmware

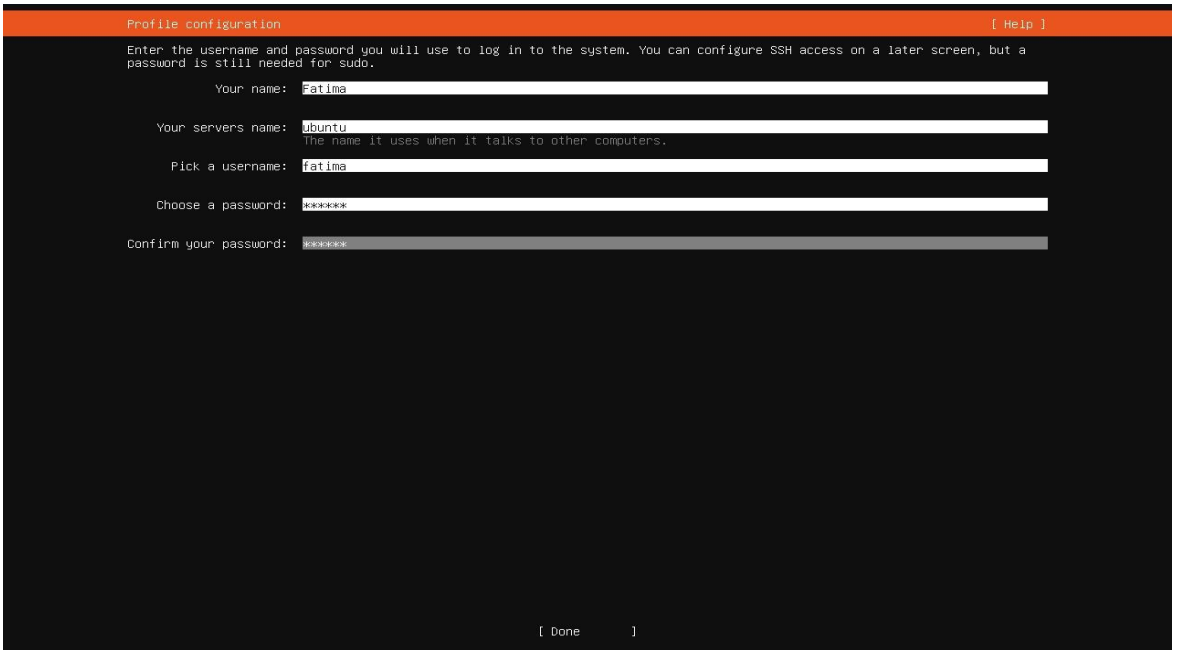
New Virtual Machine Wizard
vmware
WORKSTATION
PRO™
17
Welcome to the New Virtual Machine Wizard
What type of configuration do you want?
Typical (recommended)
Create a Workstation 17.5 or later virtual machine in a few easy steps.
Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.
Help
< Back
Next >
Cancel


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\gulis\Downloads\ubuntu-24.04.3-live-server
Browse...
Ubuntu 64-bit Server 24.04.3 detected.
To use Easy Install, insert the first disc of the set.
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel


New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Ubuntu 64-bit (3)
Location:
C:\Users\gulis\Documents\Virtual Machines\Ubuntu 64-bit (3)
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel

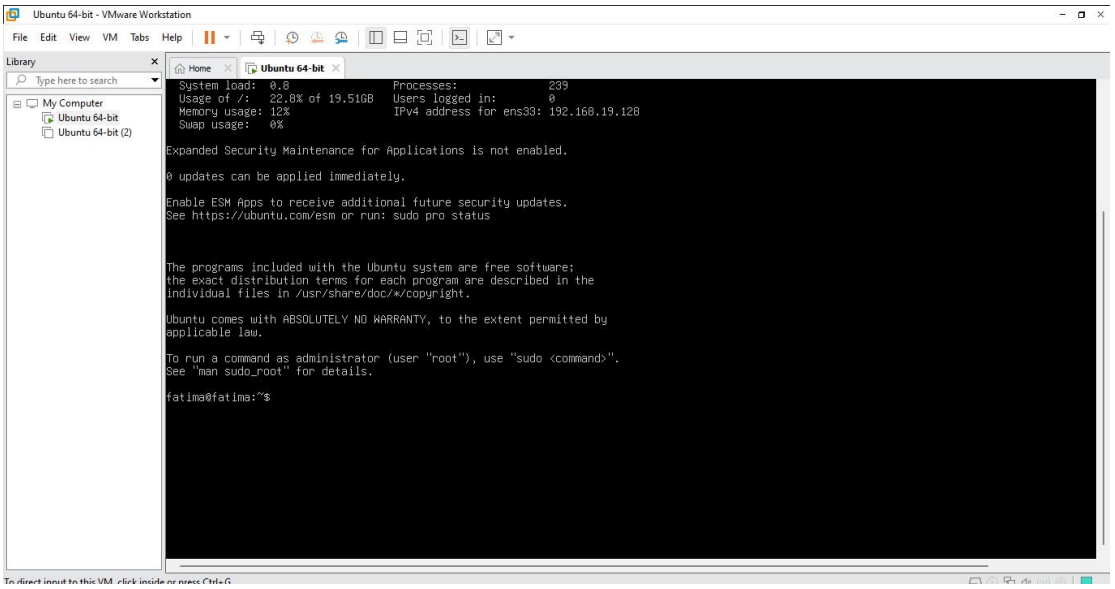

New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine and start installing Ubuntu 64-bit.
The virtual machine will be created with the following settings:
Name: Ubuntu 64-bit (3)
Location: C:\Users\gulis\Documents\Virtual Machines\Ubuntu 6...
Version: Workstation 17.5 or later
Operating System: Ubuntu 64-bit
Hard Disk: 20 GB, Split
Memory: 2048 MB
Network Adapter: NAT
Other Devices: 2 CPU cores, CD/DVD, USB Controller, Sound Card
Customize Hardware...
Power on this virtual machine after creation
< Back
Finish
Cancel


Ubuntu archive mirror configuration
[Help]
If you use an alternative mirror for Ubuntu, enter its details here.
Mirror address: http://archive.ubuntu.com/ubuntu
You may provide an archive mirror to be used instead of the default.
The mirror location is being tested. !
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
[Done]
[Back]


Profile configuration
[Help]
Enter the username and password you will use to log in to the system. You can configure SSH access on a later screen, but a password is still needed for sudo.
Your name: Fatima
Your servers name: ubuntu
The name it uses when it talks to other computers.
Pick a username: fatima
Choose a password: ******
Confirm your password: ******
[Done]

```
Ubuntu 24.04.3 LTS fatima tty1

fatima login: [   46.283539] cloud-init[1347]:   en_GB.UTF-8... done
[   46.287388] cloud-init[1347]: Generation complete.
[   50.581452] cloud-init[1479]: Cloud-init v. 25.1.4-0ubuntu0~24.04.1 running 'modules:final' at Fri, 03 Oct 2025 04:05:51 +0000. Up 50.50 seconds.
ci-info: no authorized SSH keys fingerprints found for user fatima.
<14>Oct  3 04:05:51 cloud-init: #############################################################
<14>Oct  3 04:05:51 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Oct  3 04:05:51 cloud-init: 256 SHA256:aFSqMXjaShCsc+zYisNlom4ESAdyW74cak3TTHkkJ7E root@fatima (ECDSA)
<14>Oct  3 04:05:51 cloud-init: 256 SHA256:mmPRh59bDx7Yv/gC8a7Hvz7LF4ZaTrnnq+EK9TGPBtU root@fatima (ED25519)
<14>Oct  3 04:05:51 cloud-init: 3072 SHA256:XYODNR3wduR9Tm9Kg4bJx1LyYE7htoXA3IAWlr5avv8 root@fatima (RSA)
<14>Oct  3 04:05:51 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>Oct  3 04:05:51 cloud-init: #############################################################
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBN+y9hncCtyWZf+OX6JwM1ajERjSNX13s8F+3D2IKeqJHpefxj7jOp3bLcN7Jg5xz6N0nyQj3un2Lhsr4NmH4TI=
 root@fatima
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAICseYkzdqu7FQYiw113LlOGXG8jjq+Oq2g7jJCGBo3yk root@fatima
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQChpzk2D6/MmT9hD+35kQ7c4aZj2cyXobvtHft17xW224g+CCIA1eUUhergyt+6yF1DX2DqKNUOh1bONhdByJucLifWTNjezU86bg0PUUuRpc3biUTRHmfGCLCJ
ghRJ/J0H5E2LBhiMYxfkTGtJZQgb9QunQobL2unY4HN03ICX7DYSu38rp/1b6HQv7aCJJ/q62JALoNLW0NRBYIn8cYZYqg9oF8x0pVp5OXXUEWLcscJLgKyEjr09bixVzBhleeOJkFZVdK0JHvUDMVlMroQnKTGt
MnnyI6z1E34ToS8Ox5akhplsgBJR8z08DAD1GNXSLcTKykf0791zm5b6wH5u55KEFzW79cUHhzhxvWR9CdcBc0g4O2ApKX0WvdLXW+8U/s1S45U0J3rx+QVRqlQMc1qUJdx1H+h+/wZGHJ4q9wm22ZHo/rX01wl7
NIny9oPr9wqs5k2llBeF0qdZNnuKq/QAJ/WVfdmsIpu1s3AtHCwj66F0OcSA1de21/wwaZk= root@fatima
-----END SSH HOST KEY KEYS-----
[   50.890366] cloud-init[1479]: Cloud-init v. 25.1.4-0ubuntu0~24.04.1 finished at Fri, 03 Oct 2025 04:05:51 +0000. Datasource DataSourceNone.  Up 50.87 seconds
```

```
Ubuntu 24.04.3 LTS fatima tty1

fatima login: fatima
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 Fri  3 Oct 04:07:20 UTC 2025

  System load:  0.8               Processes:             239
  Usage of /:   22.8% of 19.51GB   Users logged in:       0
  Memory usage: 12%               IPv4 address for ens33: 192.168.19.128
  Swap usage:   0%

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.

fatima@fatima:~$ _
```



I AM LOGGED IN AS “Inshal” IN VMWARE WORKSTATION PRO