



Submitted to:-

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Section:-

5 A

Cloud Computing

LAB O1

- Download VMWare Workstation.

Downloads > Utilities > Download VMWare Workstation Pro



VMWare Workstation Pro

File name: VMware-workstation-full-17.6.4-24832109.exe File size: 405.7 MB



Select server for download

VMWare Workstation Pro 17.6.4 is available from our servers in the following locations:

Your download is starting now...

[Get notified when a new version is released](#)



(closest to you)
TechPowerUp US-3
Server load: 41%



TechPowerUp SG
Server load: 20%



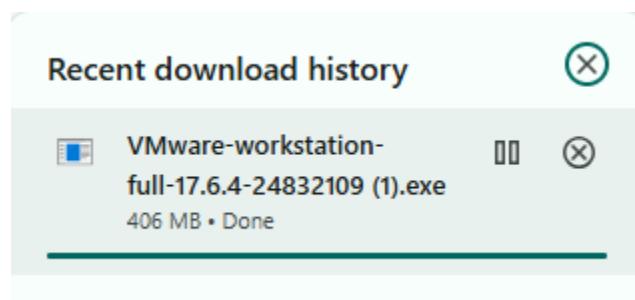
TechPowerUp NL
Server load: 0%

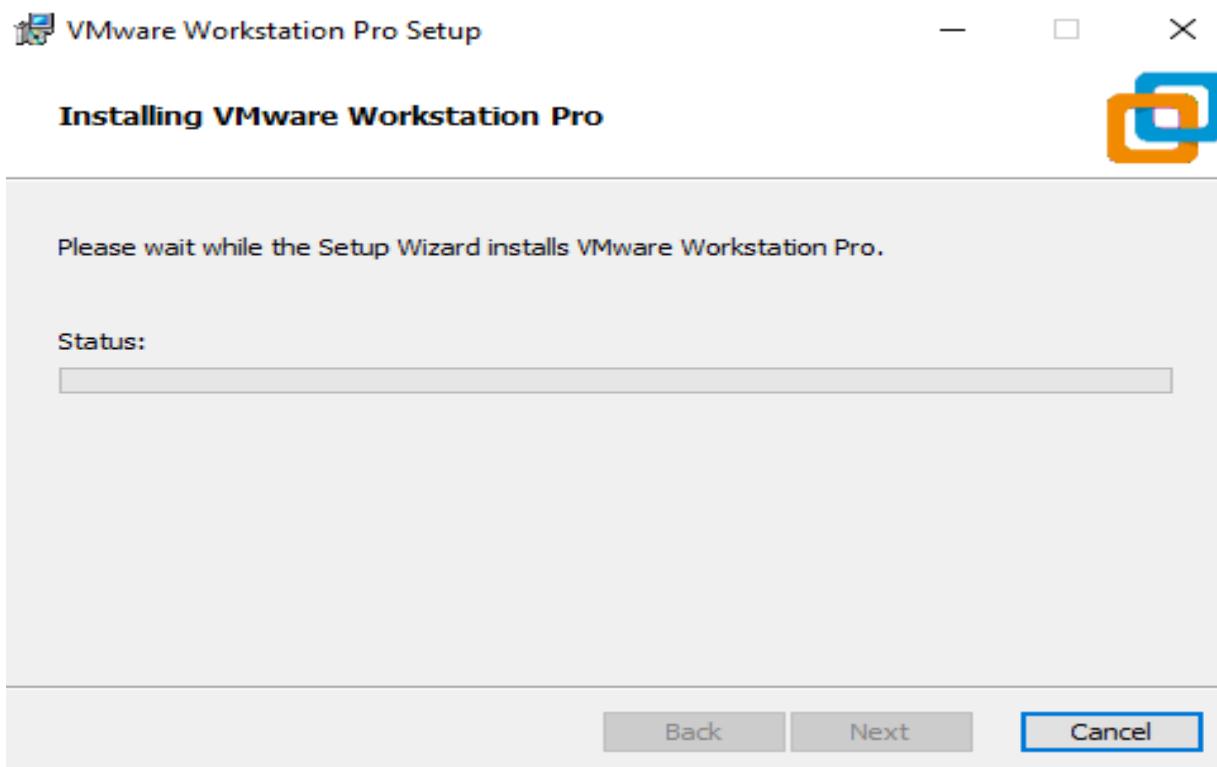
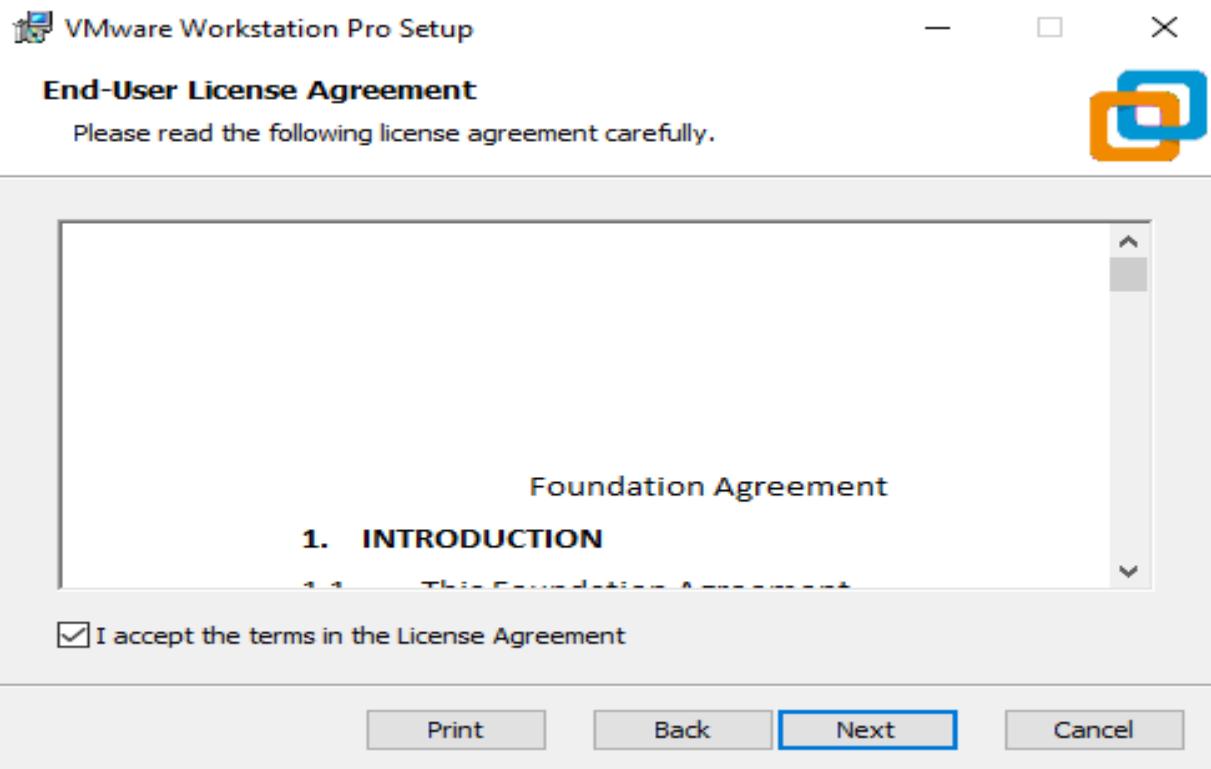


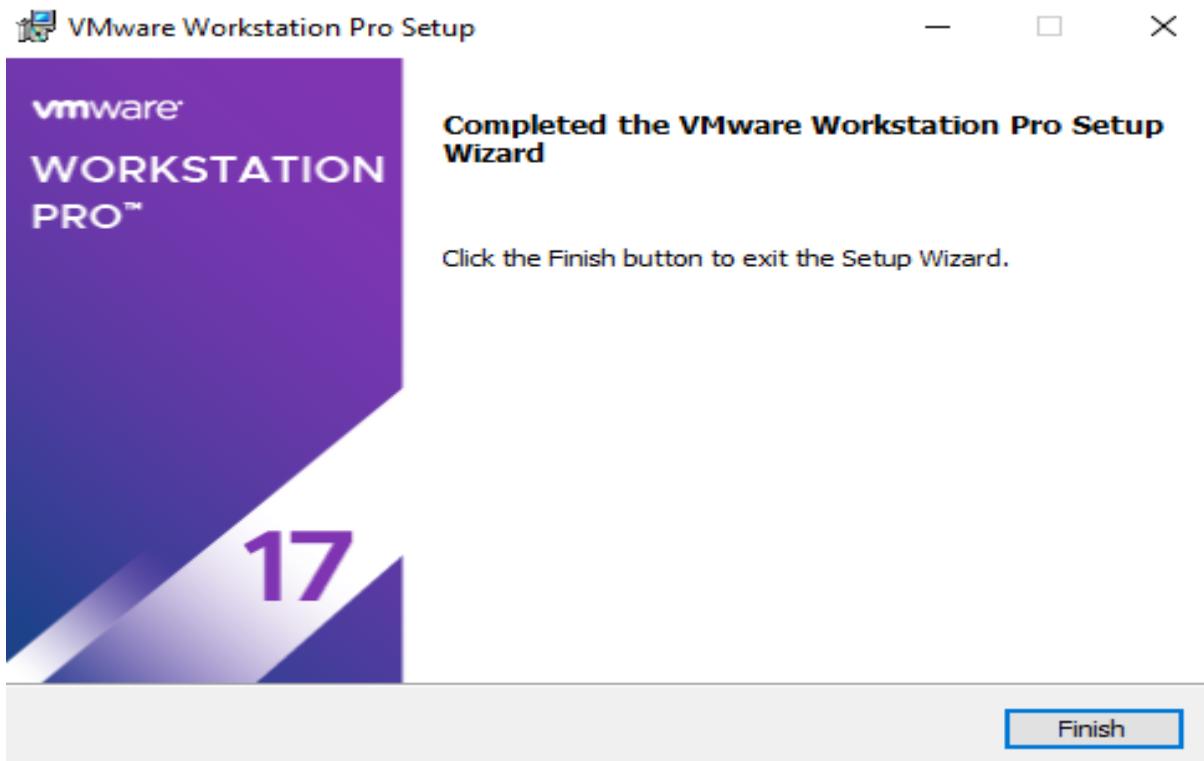
TechPowerUp DE
Server load: 5%



TechPowerUp UK-1
Server load: 3%



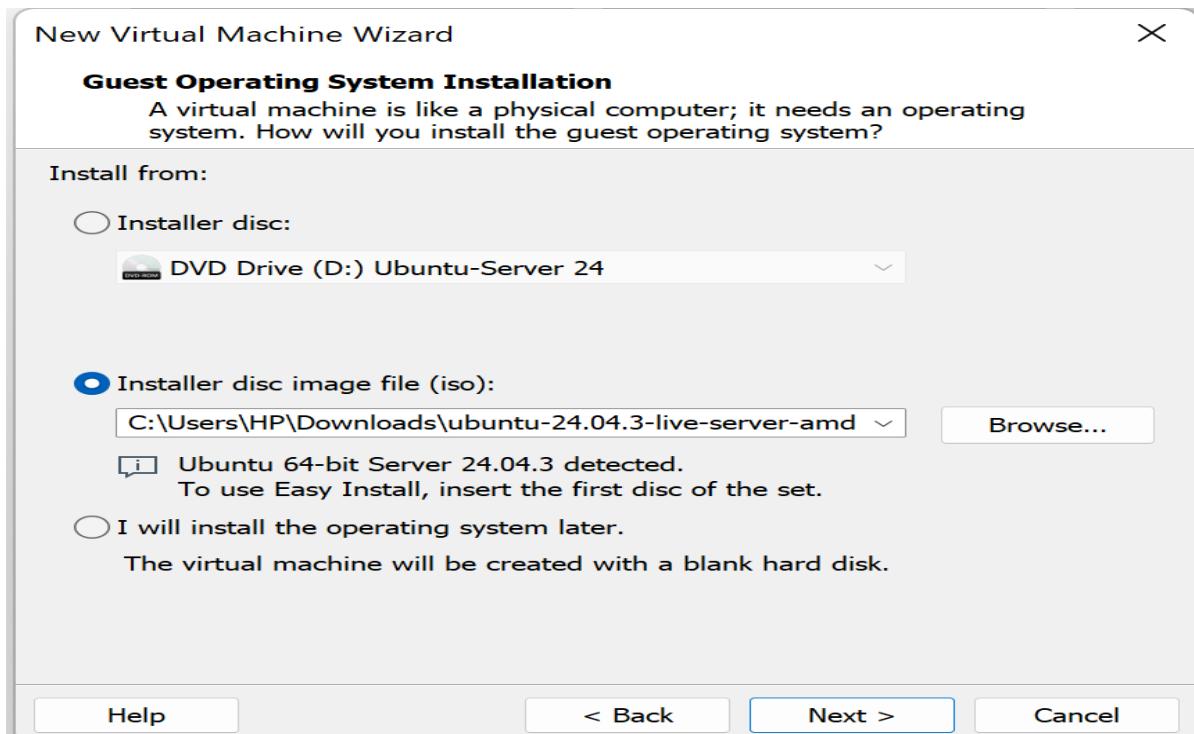
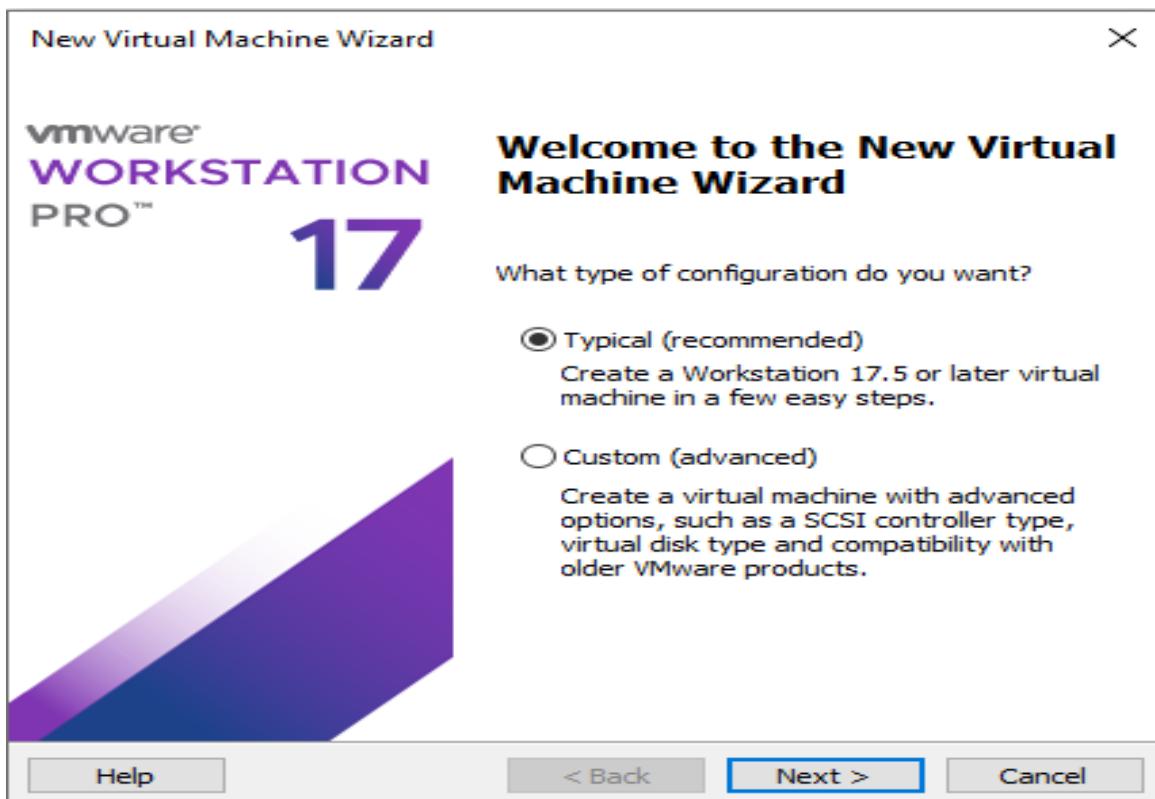




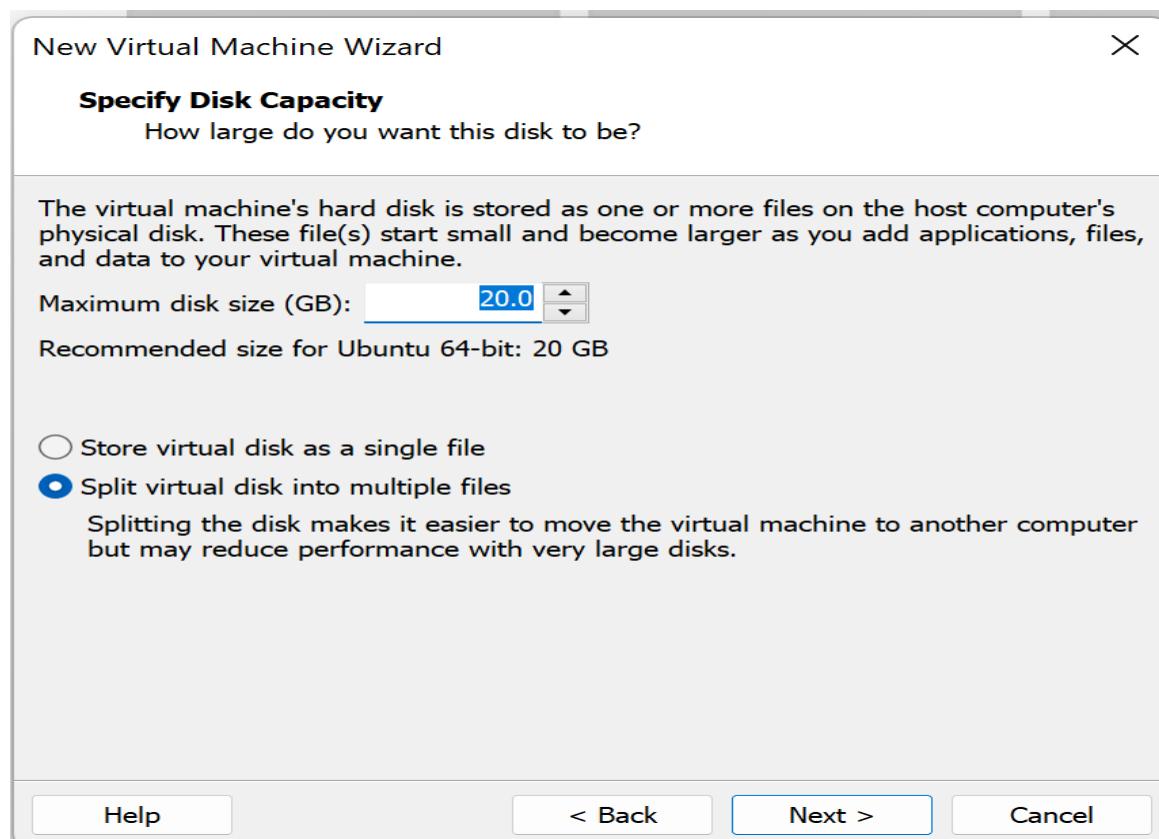
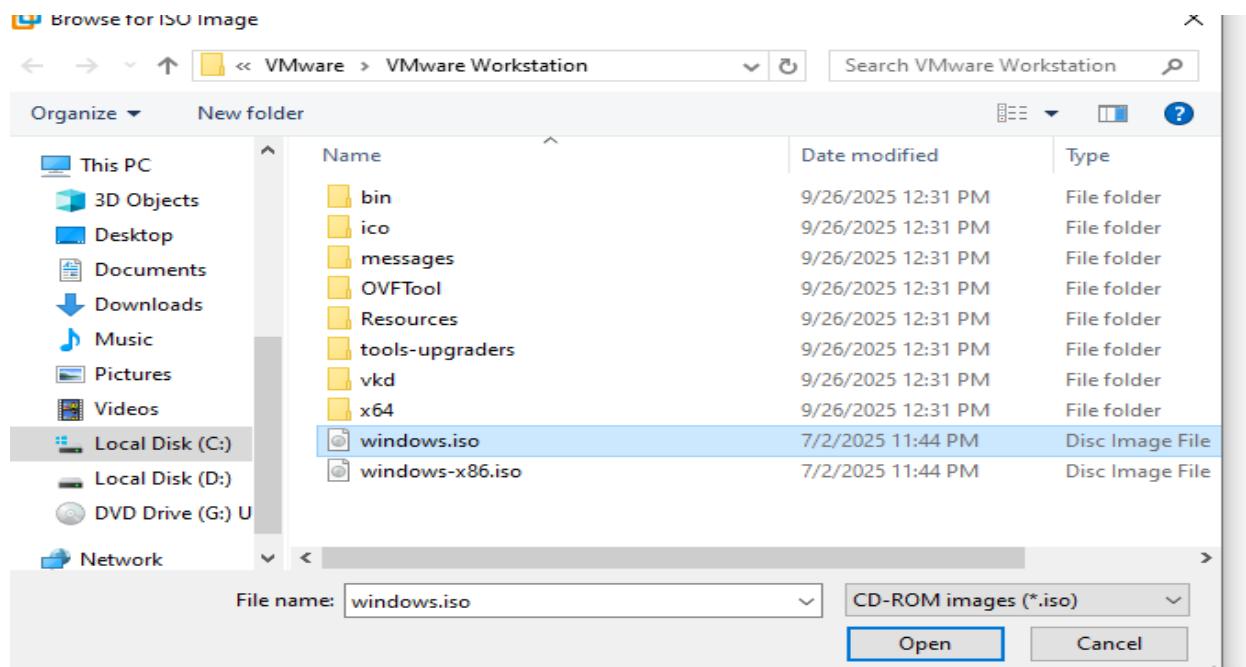
- **Download Ubuntu Server.**

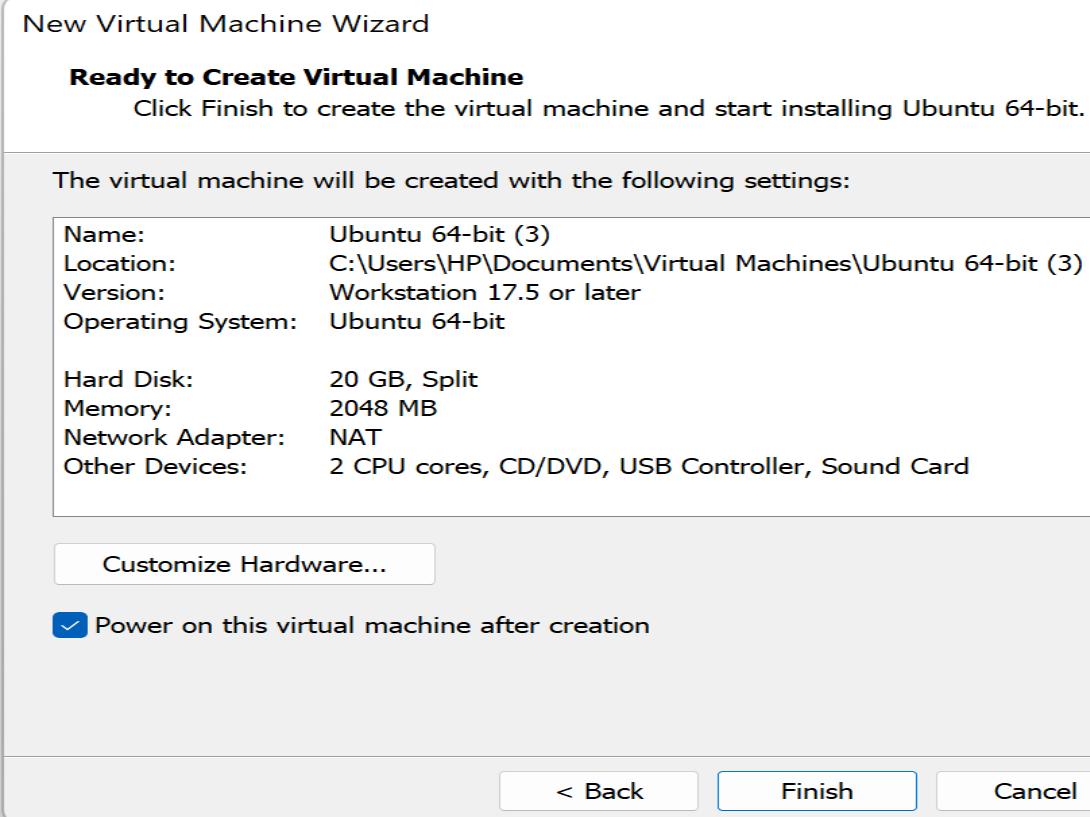
A screenshot of the Ubuntu Server download page. The top navigation bar includes "Downloads" (selected), "Desktop", "Server", "Core", and "Cloud". Below the navigation, there are tabs for "Manual installation" (selected), "Instant VMs", and "Automated provisioning". The main section features the heading "Ubuntu 24.04.3 LTS" with a small orange crown icon to its left. A descriptive text states: "The latest LTS version of Ubuntu Server. LTS stands for long-term support — which means five years of free security and maintenance updates, extended to 10 years with Ubuntu Pro." A green "Download 24.04.3 LTS" button is visible. Below the download button are links for "Alternative downloads >" and "Alternative architectures >". At the bottom of the page, there are links for "What's new", "System requirements", and "How to install". Two small notes are present: "Linux 6.8 kernel with low latency kernel features enabled by default" and "Frame pointers enabled by default for the majority of packages on".

A screenshot showing a "Recent download history" section. It displays a single item: "ubuntu-24.04.3-live-server-amd64.iso" with a download progress bar indicating "0.1/3.1 GB • 11 minutes left". There is also an "X" icon to close this section.



- Browse the iso file.





- **Create a new virtual machine on VMWare.**

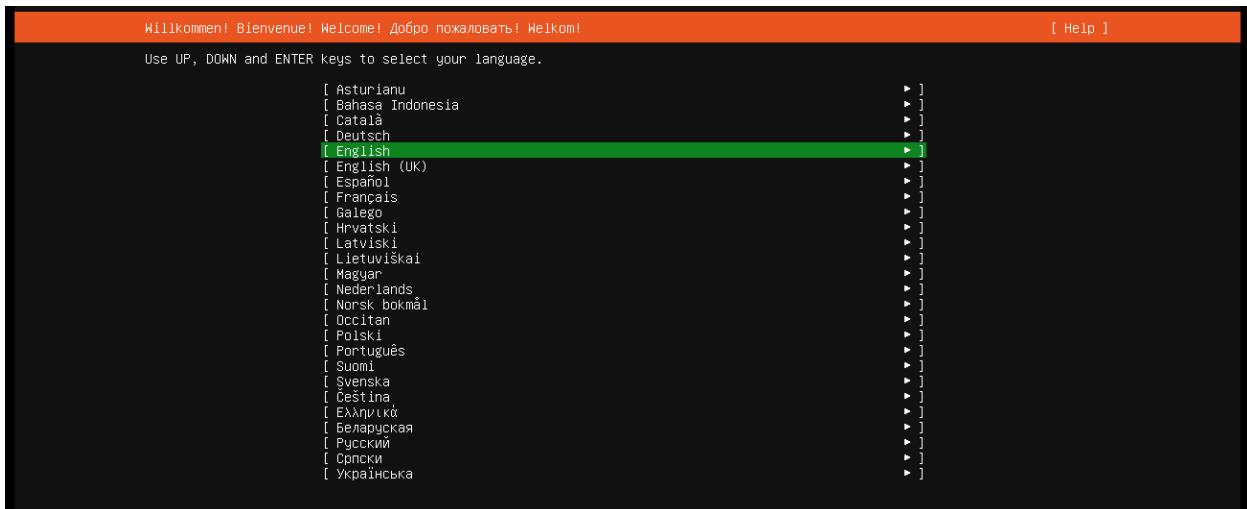


```
[ OK ] Finished finalrd.service - Create ...ntime dir for shutdown pivot root.
[ OK ] Finished plymouth-read-write.servi...Plymouth To Write Out Runtime Data.
      Mounting proc-sys-fs-binfmt_misc.m...cutable File Formats File System...
[ OK ] Finished ufw.service - Uncomplicated firewall.
[ OK ] Mounted proc-sys-fs-binfmt_misc.mo...xecutable File Formats File System.
[ OK ] Finished systemd-binfmt.service - Set Up Additional Binary Formats.
[ OK ] Finished systemd-tmpfiles-setup.se...ate Volatile Files and Directories.
      Starting systemd-journal-catalog-u...service - Rebuild Journal Catalog...
      Starting systemd-resolved.service - Network Name Resolution...
      Starting systemd-timesyncd.service - Network Time Synchronization...
      Starting systemd-update-utmp.servi...ord System Boot/Shutdown in UTMP...
[ OK ] Started vgaauth.service - Authentic... virtual machines hosted on VMware.
[ OK ] Started open-vm-tools.service - Se... virtual machines hosted on VMware.
      Starting cloud-init-local.service ...-init: Local Stage (pre-network)...
[ OK ] Finished systemd-udev-trigger.service - Coldplug All udev Devices.
[ OK ] Finished systemd-journal-catalog-u....service - Rebuild Journal Catalog.
[ OK ] Started systemd-ask-password-conso...equests to Console Directory Watch.
[ OK ] Reached target cryptsetup.target - Local Encrypted Volumes.
[ OK ] Finished systemd-update-utmp.servi...ecord System Boot/Shutdown in UTMP.
[ OK ] Started systemd-timesyncd.service - Network Time Synchronization.
[ OK ] Reached target time-set.target - System Time Set.
[ OK ] Started systemd-resolved.service - Network Name Resolution.
[ OK ] Reached target nss-lookup.target - Host and Network Name Lookups.
[ OK ] Finished snapd.apparmor.service - ...files managed internally by snapd.
```

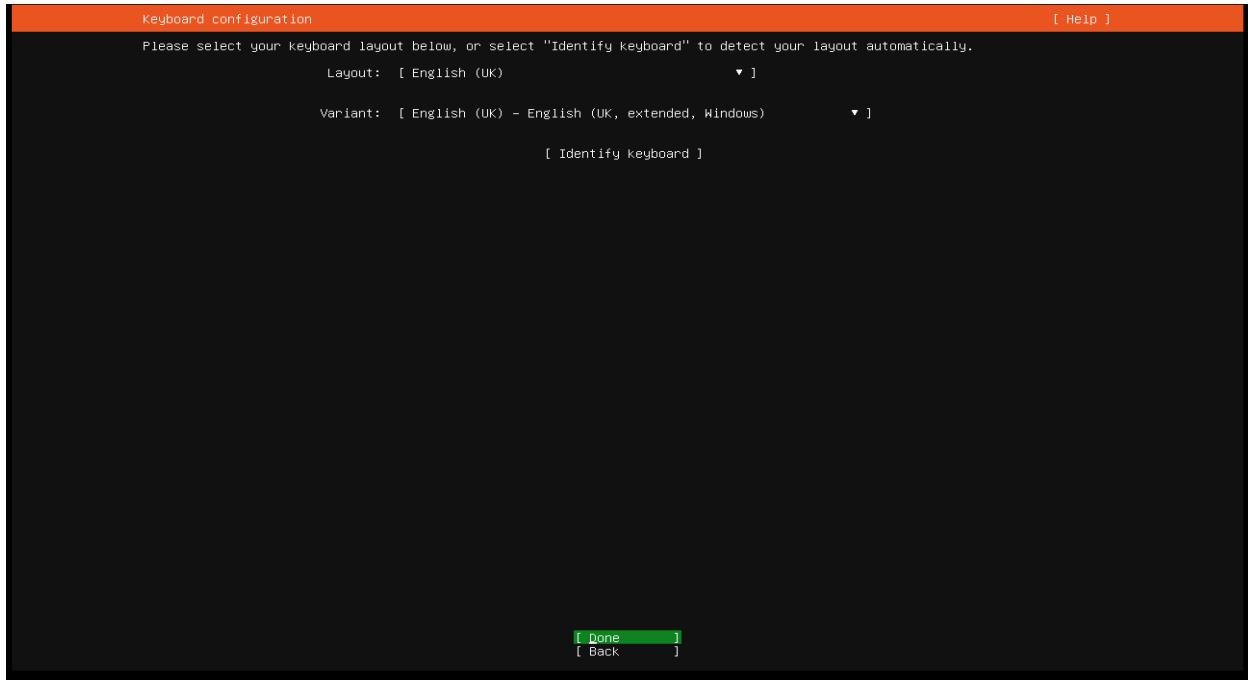
```
Starting systemd-timesyncd.service - Time & Date Service...
Ubuntu 24.04.3 LTS ubuntu-server tty1

connecting...
waiting for cloud-init... |_
```

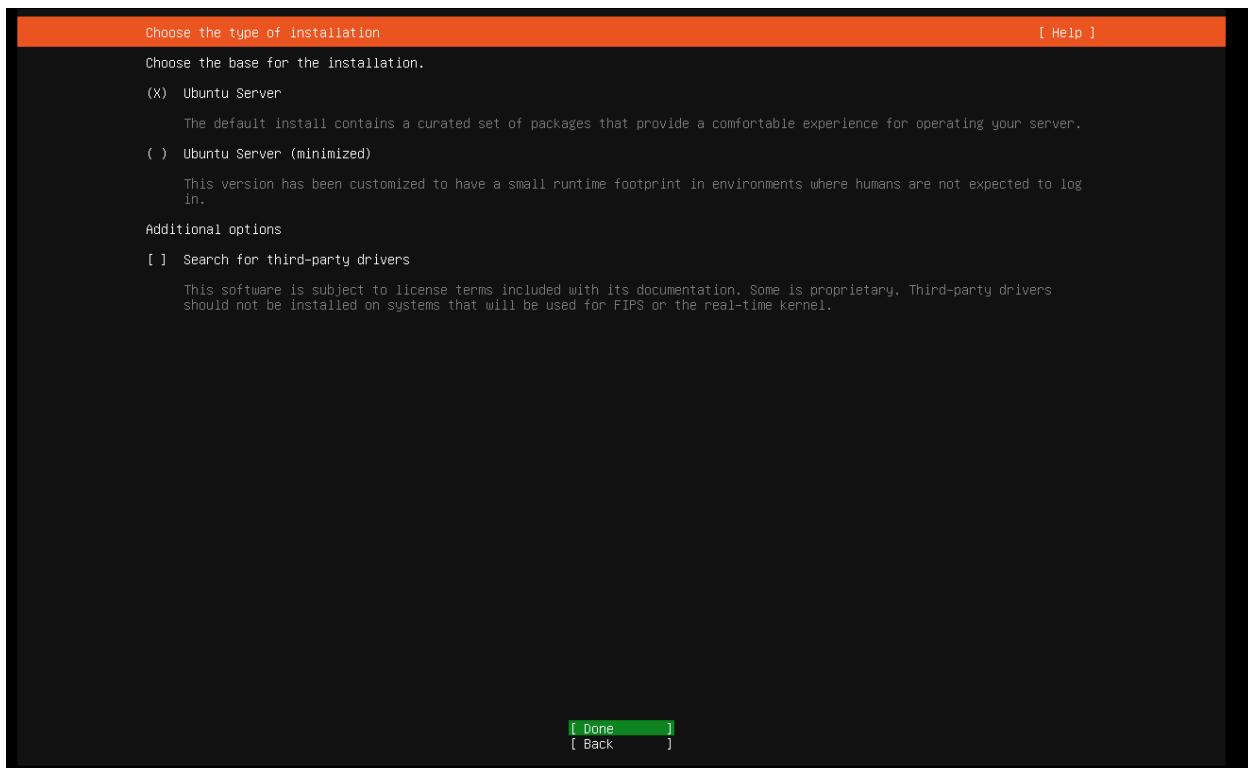
● Choose your language



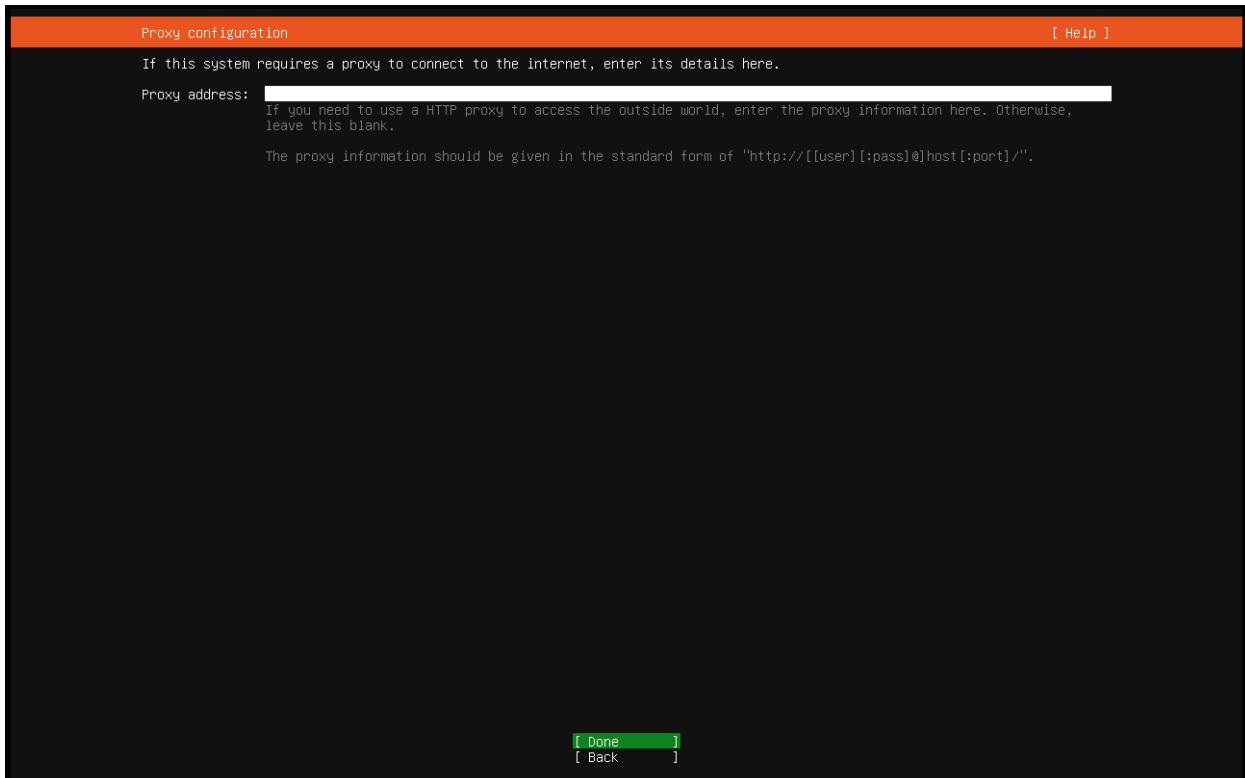
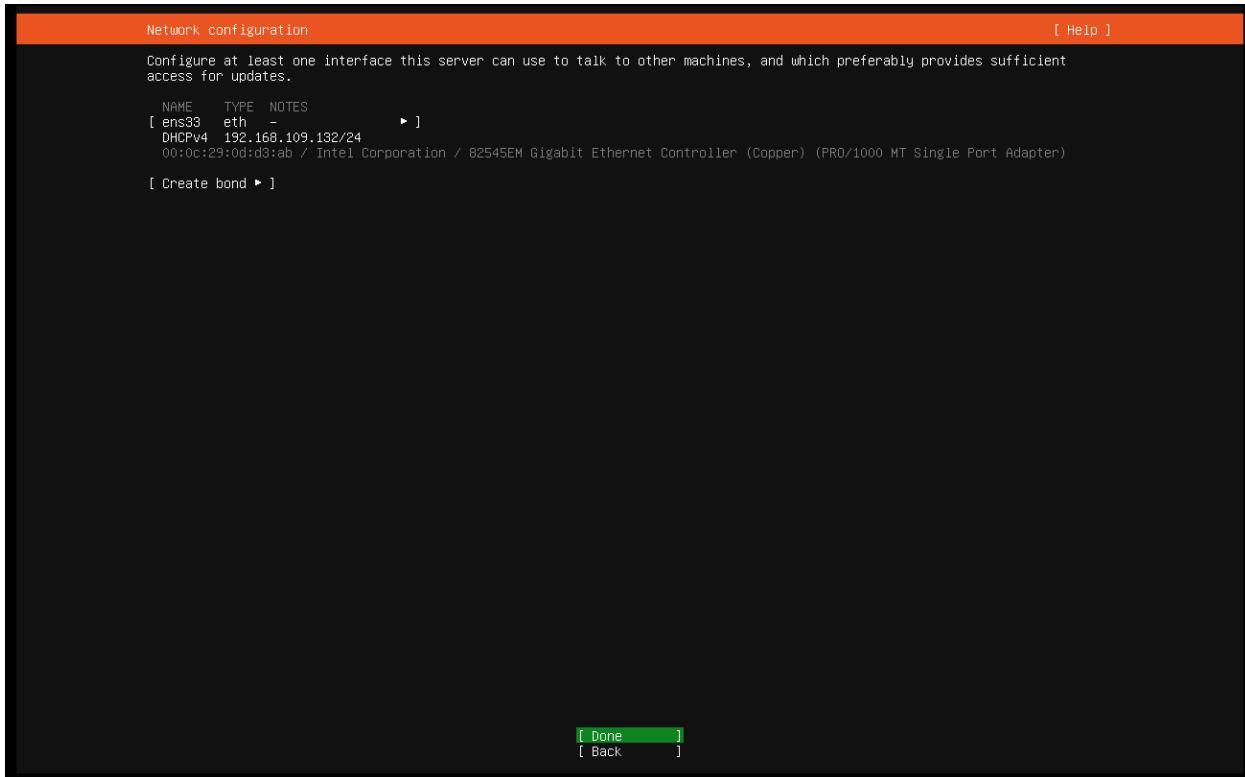
- Choose the correct keyboard layout

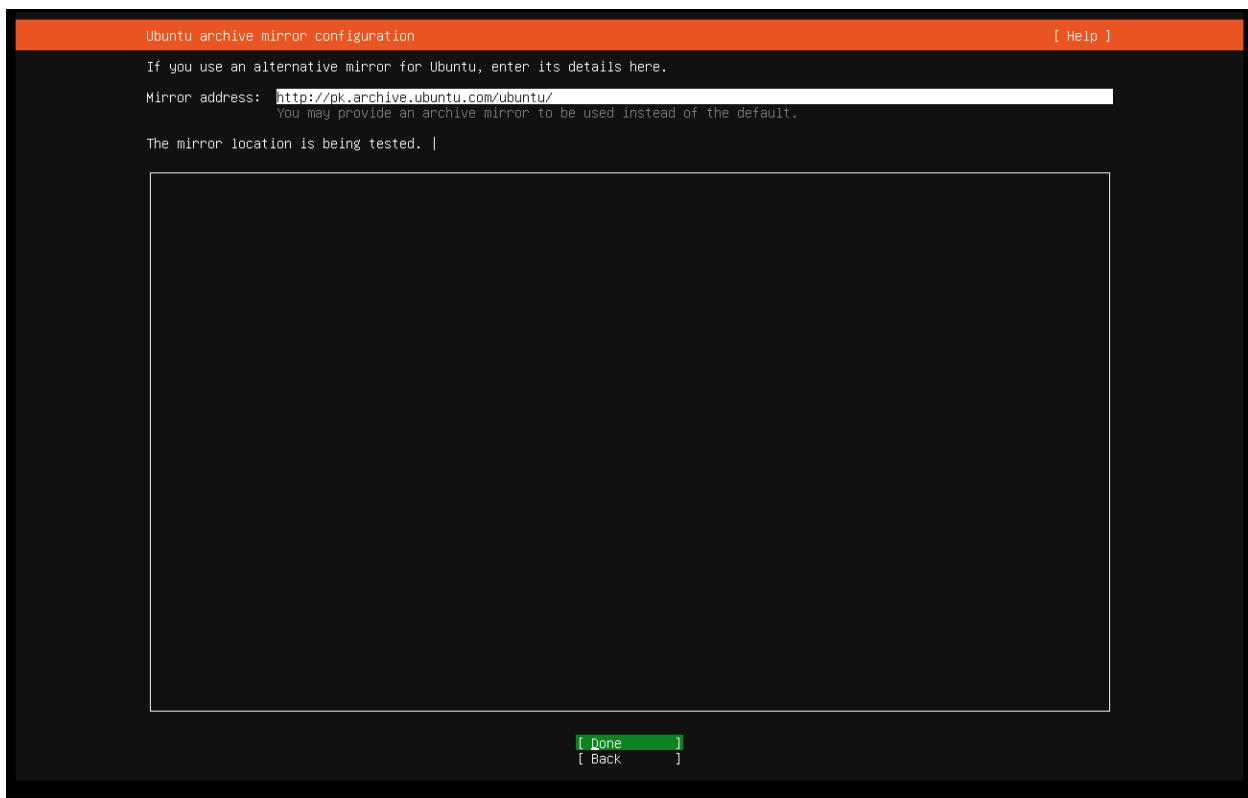


- Choose your install

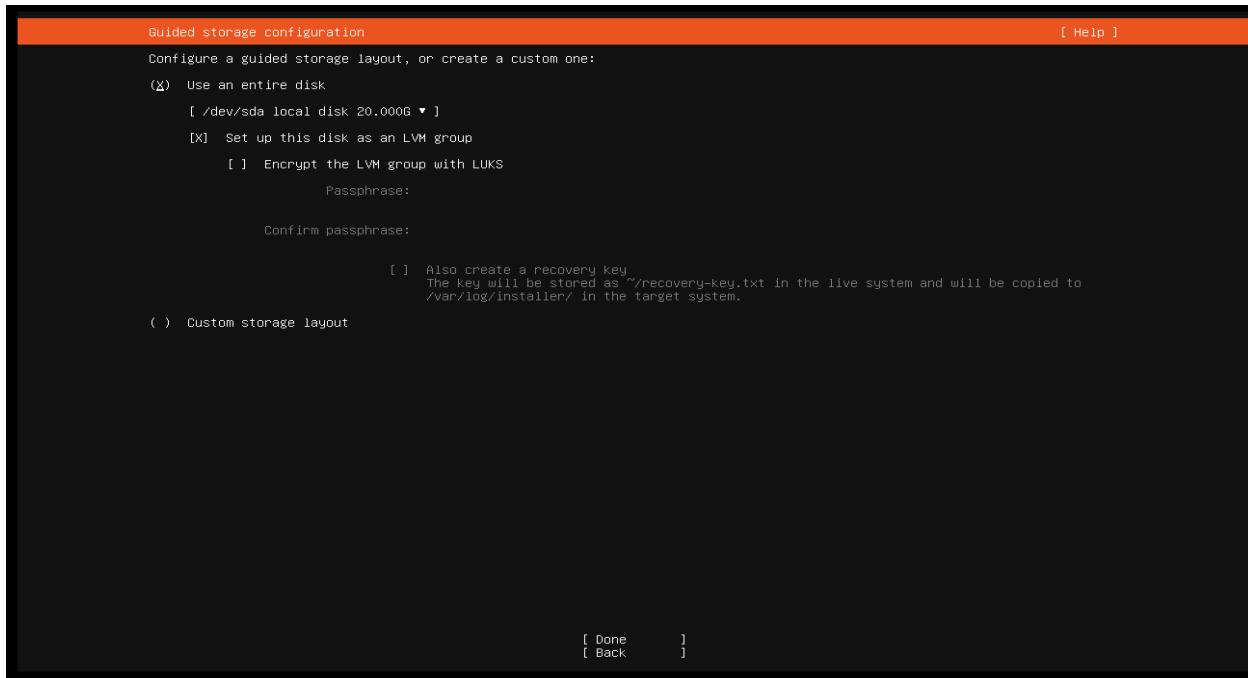


- **Networking**

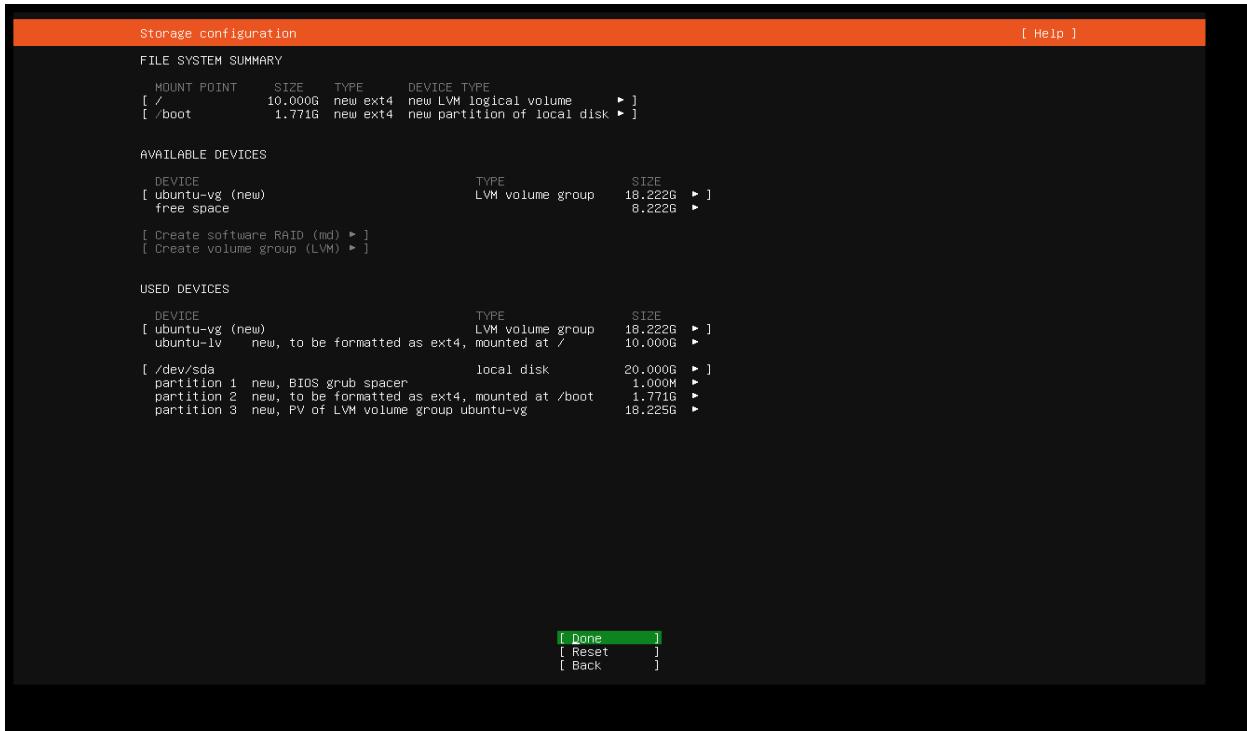




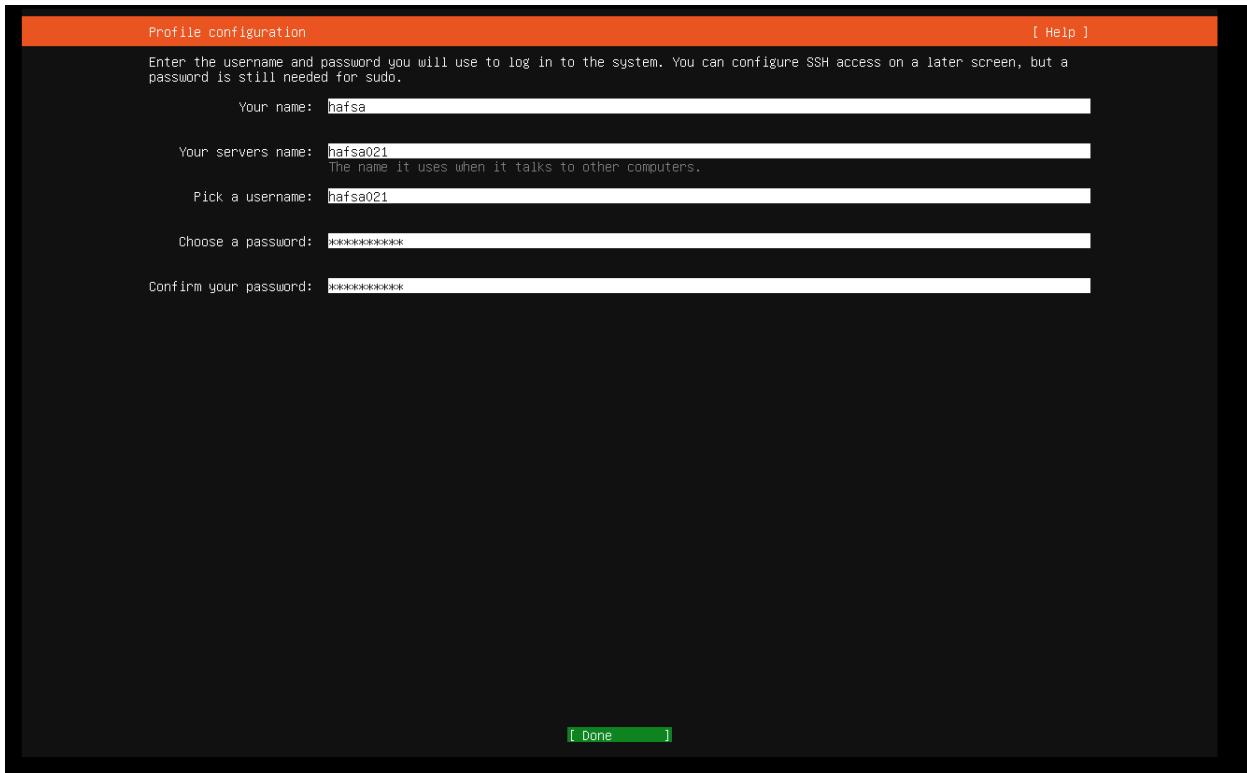
- **Configure storage**



- Confirm changes



- Set up a Profile



- Get the ip address through ip addr command.

```
hafsa021@hafsa021:~$ ip addr
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:29:2a:d1:a3 brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.109.130/24 metric 100 brd 192.168.109.255 scope global dynamic ens33
        valid_lft 1720sec preferred_lft 1720sec
    inet6 fe80::20c:29ff:fe2a:d1a3/64 scope link
        valid_lft forever preferred_lft forever
```

- ssh command on Window's Command Prompt.

```
C:\Users\HP>ssh hafsa021@192.168.109.130
hafsa021@192.168.109.130'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 Sat Sep 27 06:56:07 PM UTC 2025

System load:  0.27           Processes:          245
Usage of /:   45.1% of 9.75GB  Users logged in:    1
Memory usage: 13%            IPv4 address for ens33: 192.168.109.130
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

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

Last login: Sat Sep 27 06:20:24 2025 from 127.0.0.1
hafsa021@hafsa021:~$
```