

Virtual Machines Setup

1. Installing VirtualBox and Windows 10 virtual machine


- Naivagte to VirtualBox.org website - <https://www.virtualbox.org/wiki/Downloads>.

 VirtualBox



- After Downloading the Windows hosts, It will show a win file. Click on it and you will see a prompt to make changes on your device.

▼ Yesterday

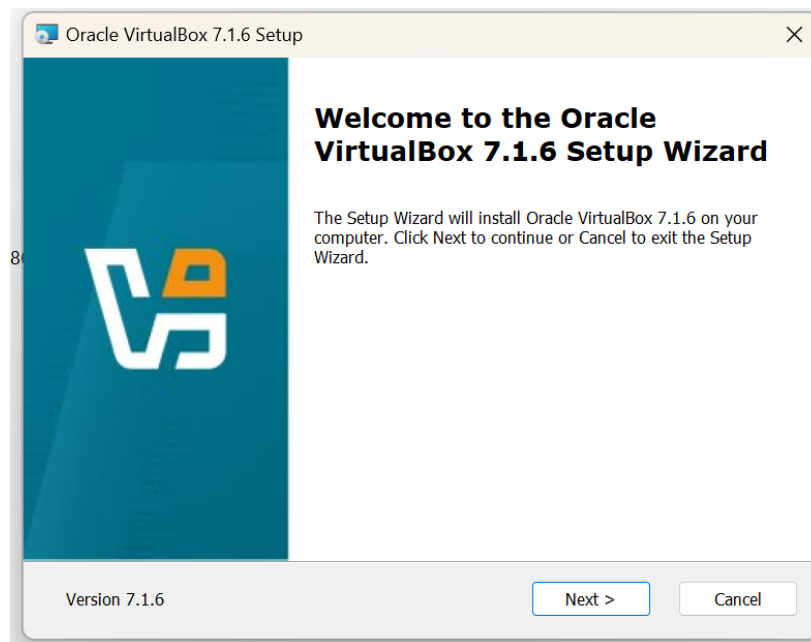
 VirtualBox-7.1.6-167084-Win

2025-02-15 10:35 PM

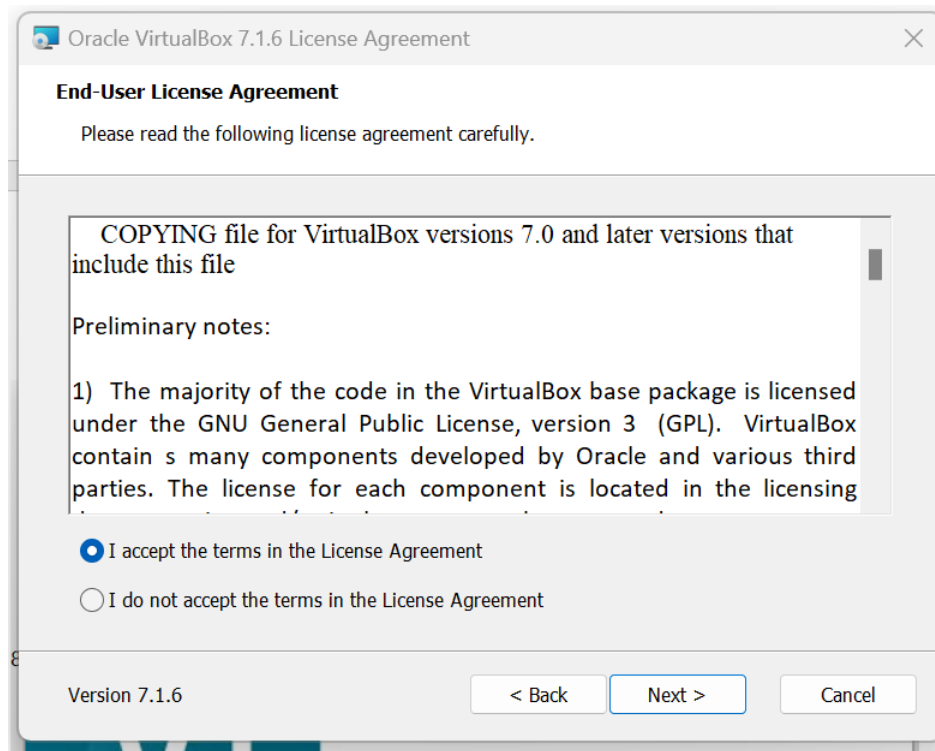
Application

120,134 KB

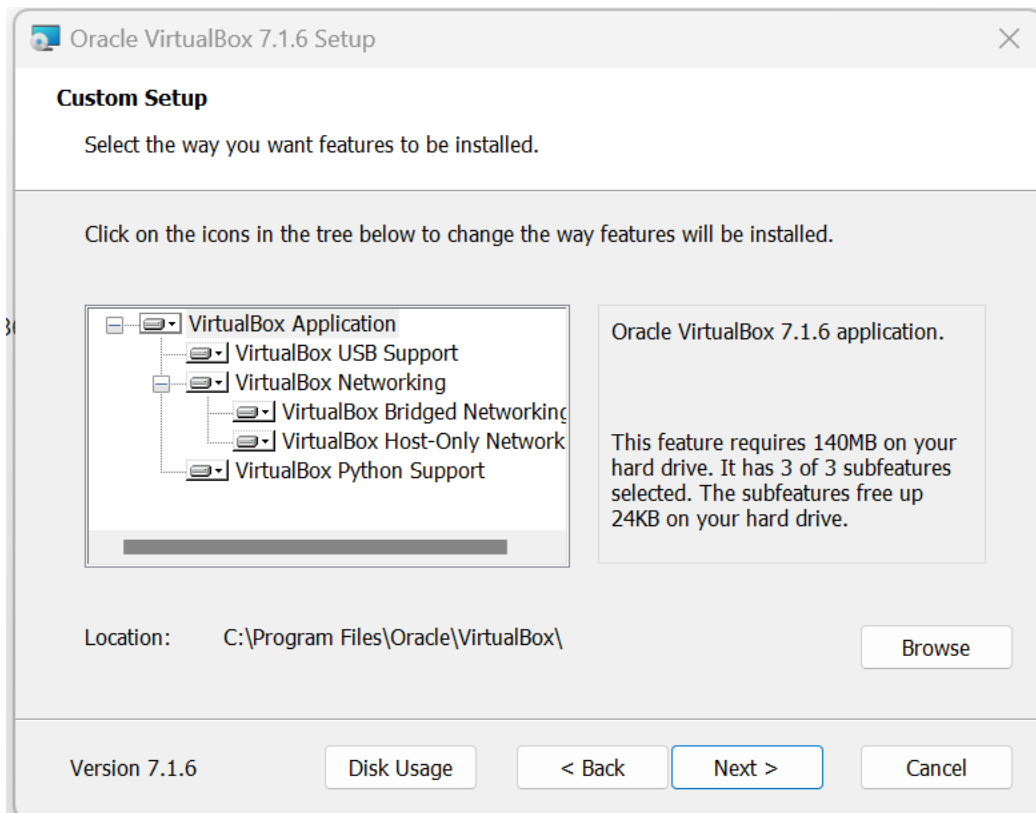
- Setup screen will be shown click Next as shown in below snapshot.



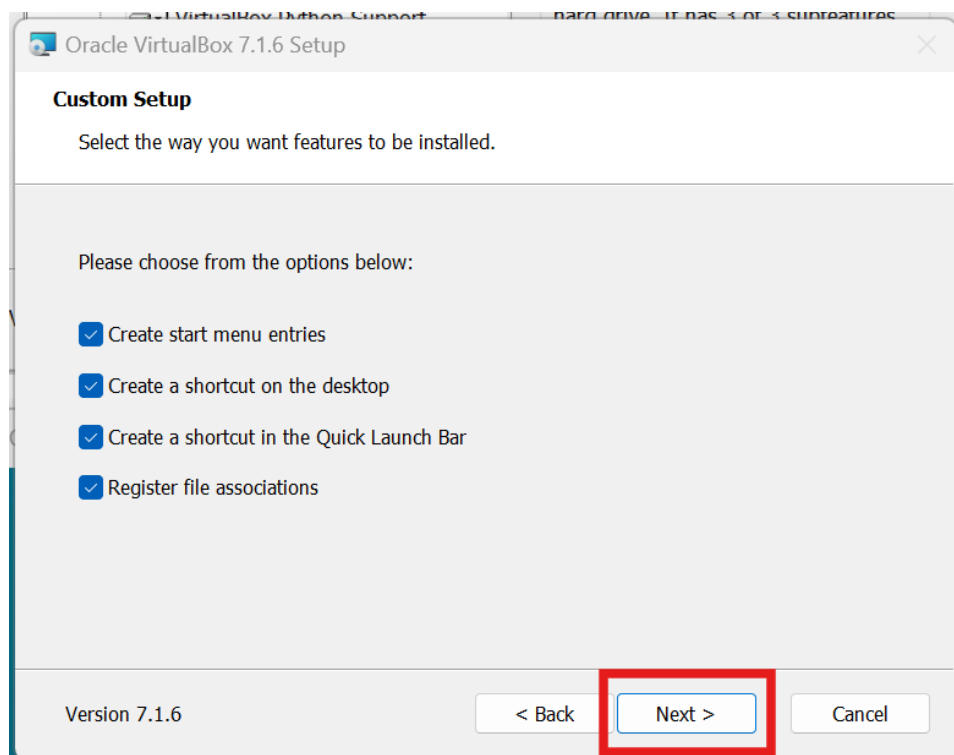
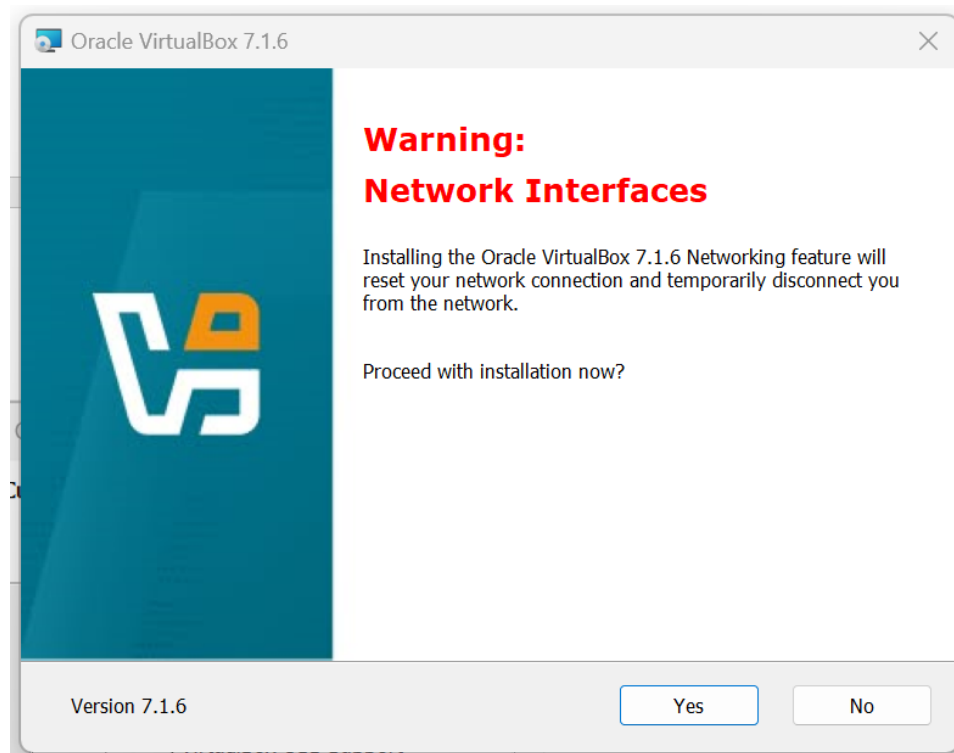
- In the Agree the License agreement screen, Click Next.

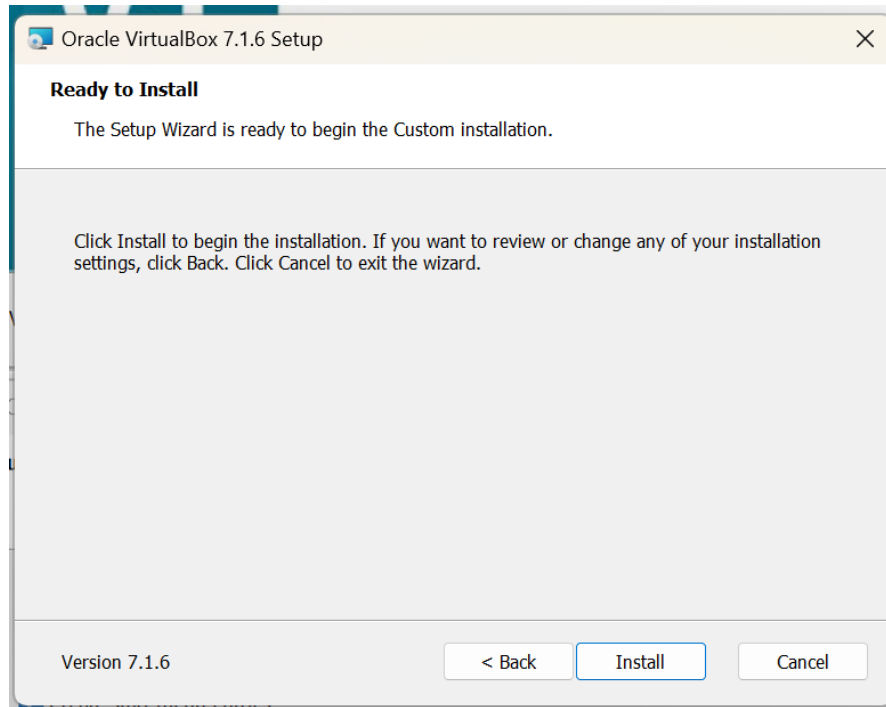


- In the custom setup click next.



- Click Next and Finish the installation → VirtualBox setup will be installed successfully.





- VirtualBox will be installed successfully.

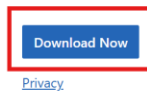
2. Installing Windows 10 Machine

- Naivagate to (<https://www.microsoft.com/en-ca/software-download/windows10>) Windows 10 website.
- Click Download Now.



Create Windows 10 installation media

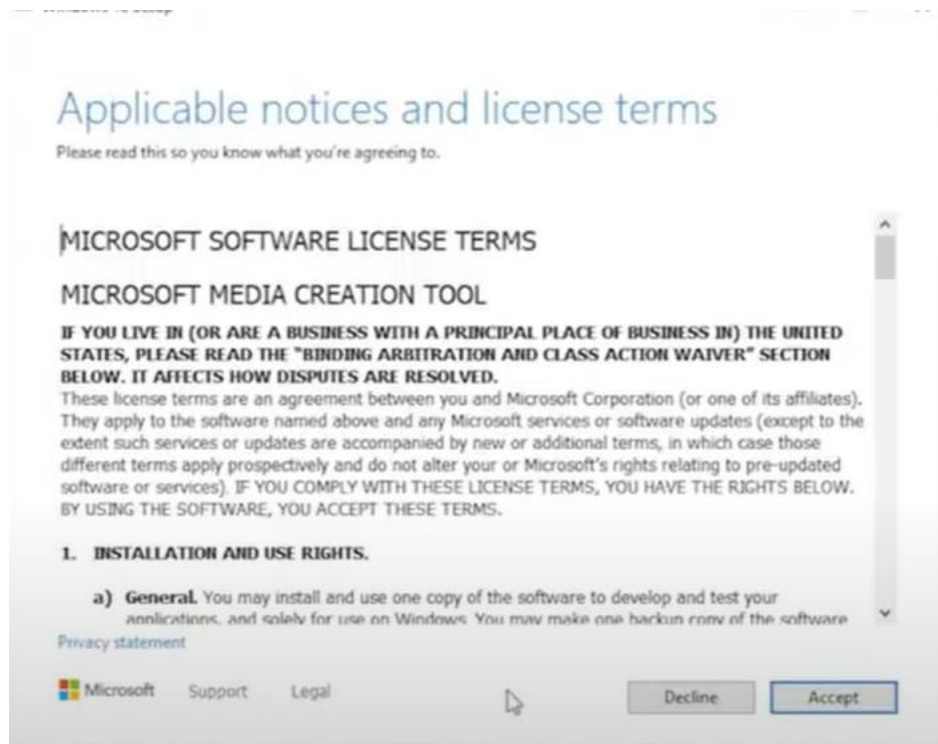
To get started, you will first need to have a licence to install Windows 10. You can then download and run the media creation tool. For more information on how to use the tool, see the instructions below.



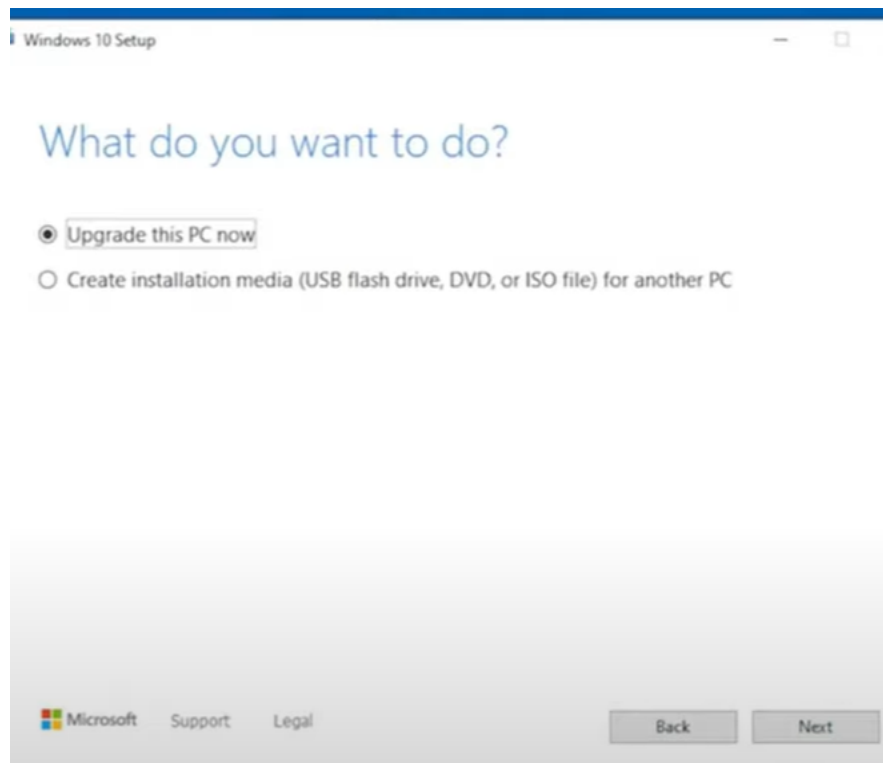
- Double click to open the downloaded file name: MediaCreationTool_22H2. Click yes when prompted the below dialog box.



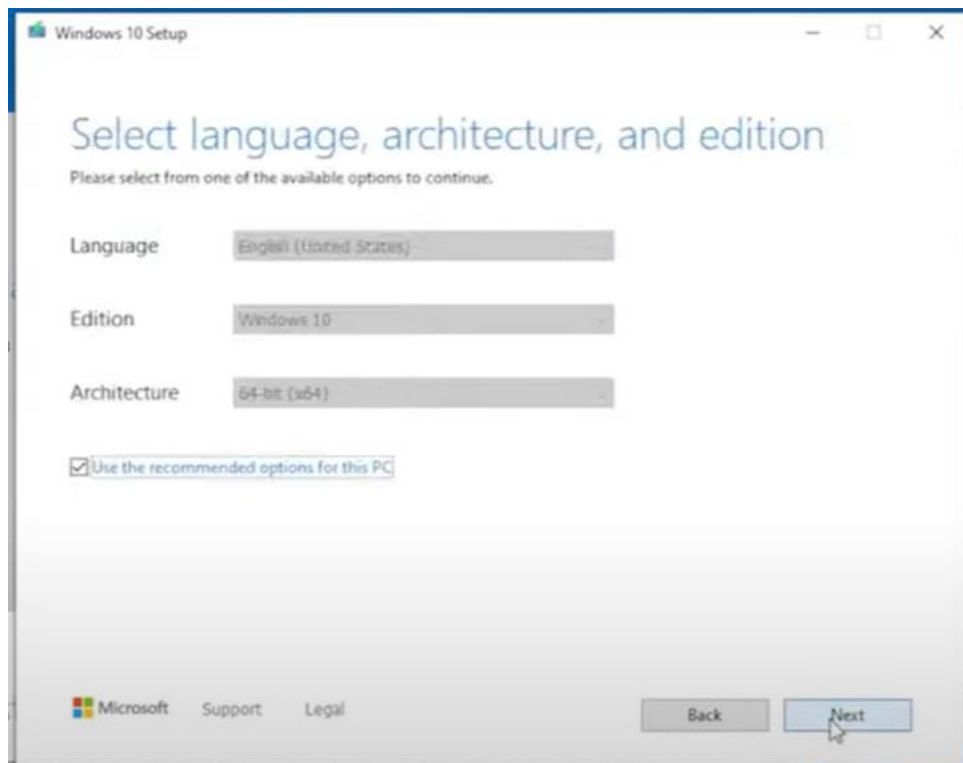
- Click on Accept term in Applicable notices and license terms.



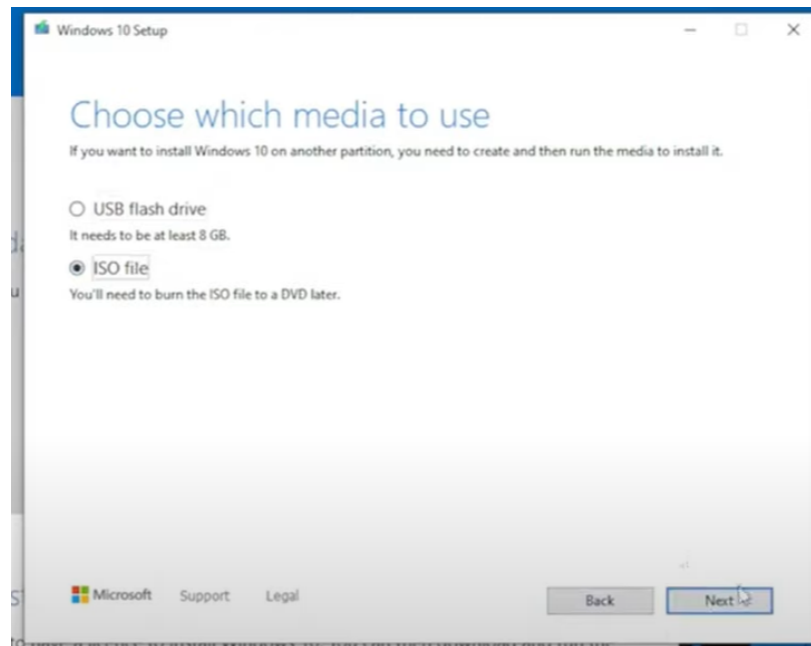
- In below wizard in What do you want to do click on create installation media.



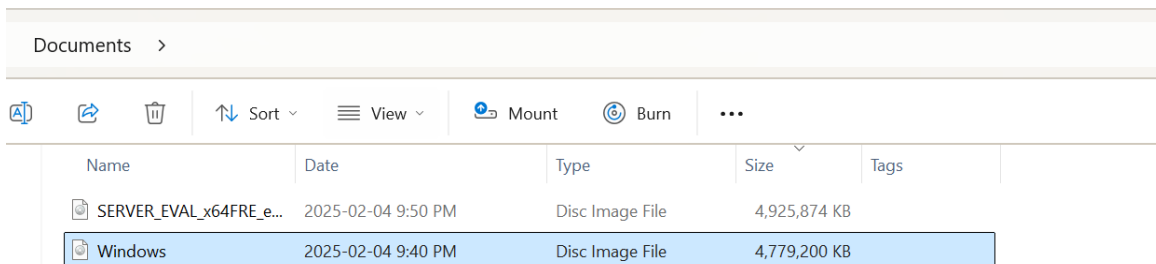
- In select language click next.



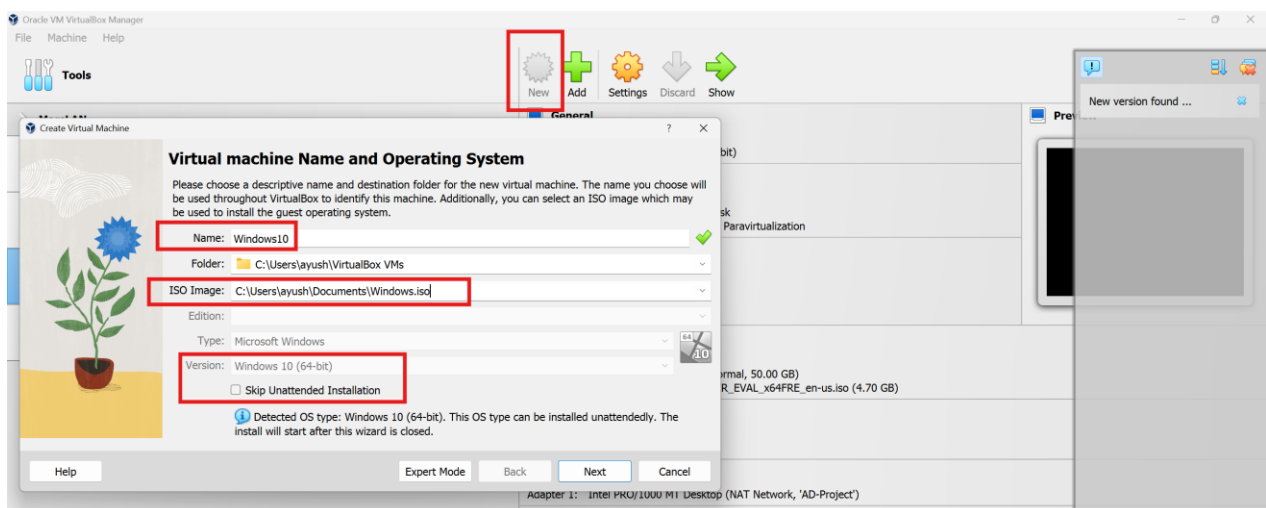
- Select the iso file in choose which media to use screen as shown below.



- Iso image would be downloaded as Windows as shown in below snippet as Disc image file.



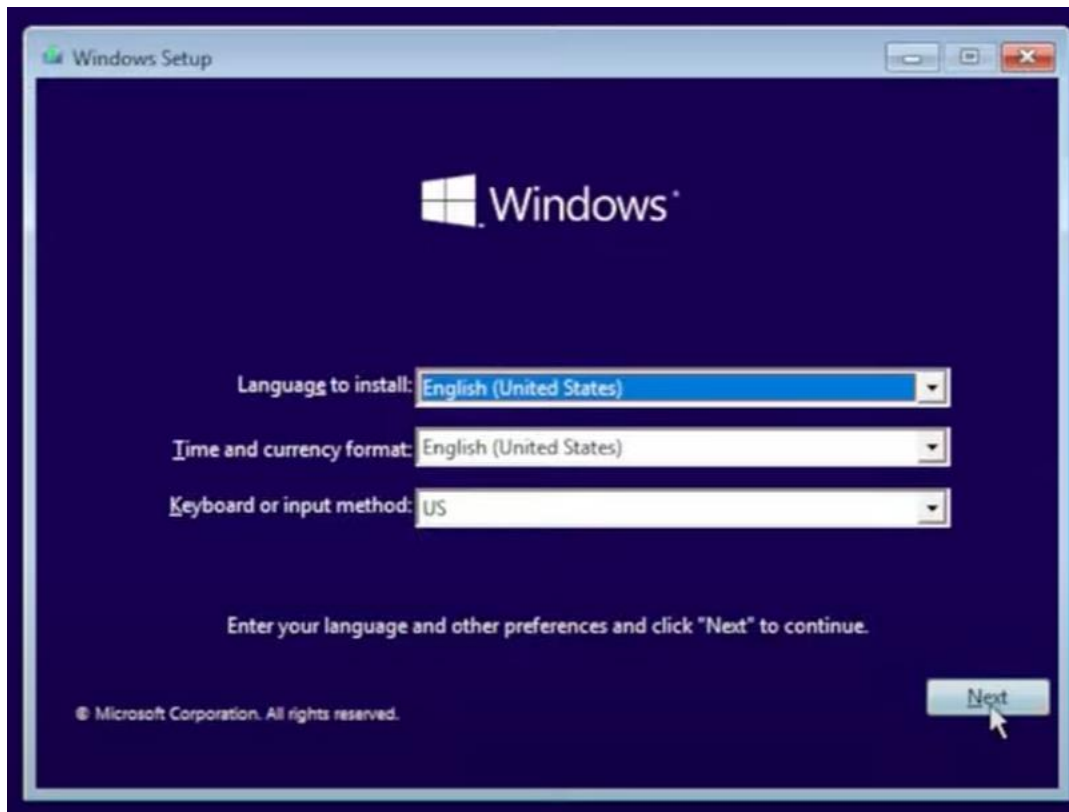
- Click on New in VirtualBox → Give name as Windows10 → Select the ISO image downloaded → Select the skip unattended installation.



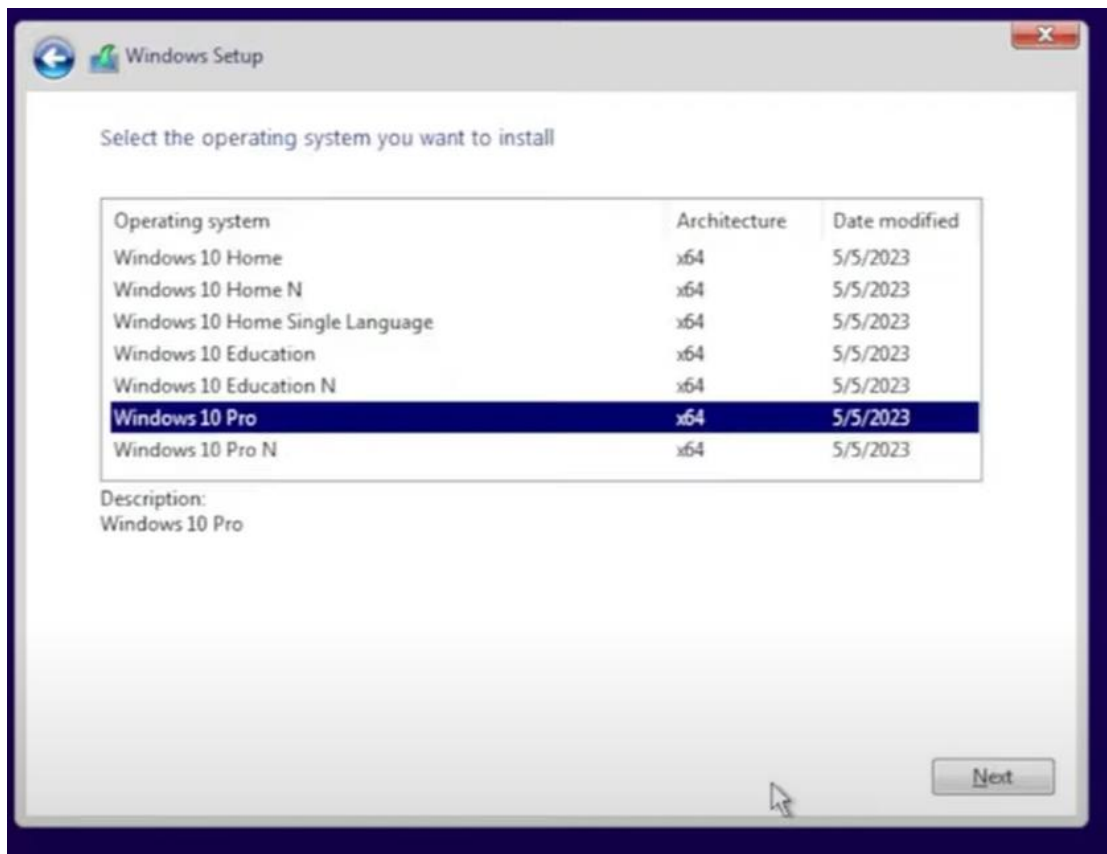
- Next screen will be shown of Hardware and Virtual Hard Disk which vary according to machine. Provide details or leave as it is and click next.
- Windows 10 machine will be shown in VirtualBox and to power it on, click Show.



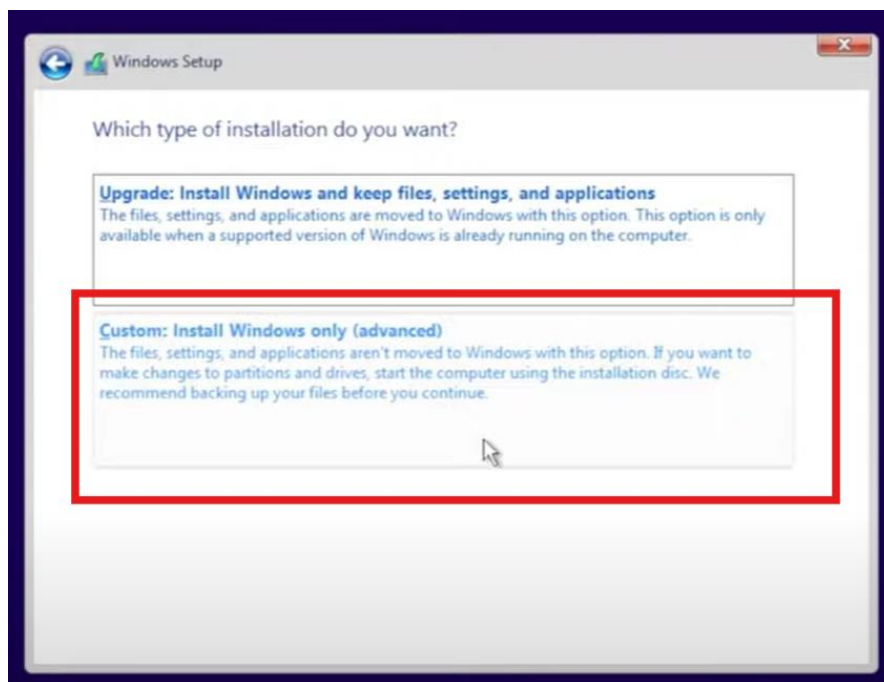
- After starting, Windows Setup screen would be shown click Next → Hit Install now → Activation windows screen shows → Click on I don't have a product key.



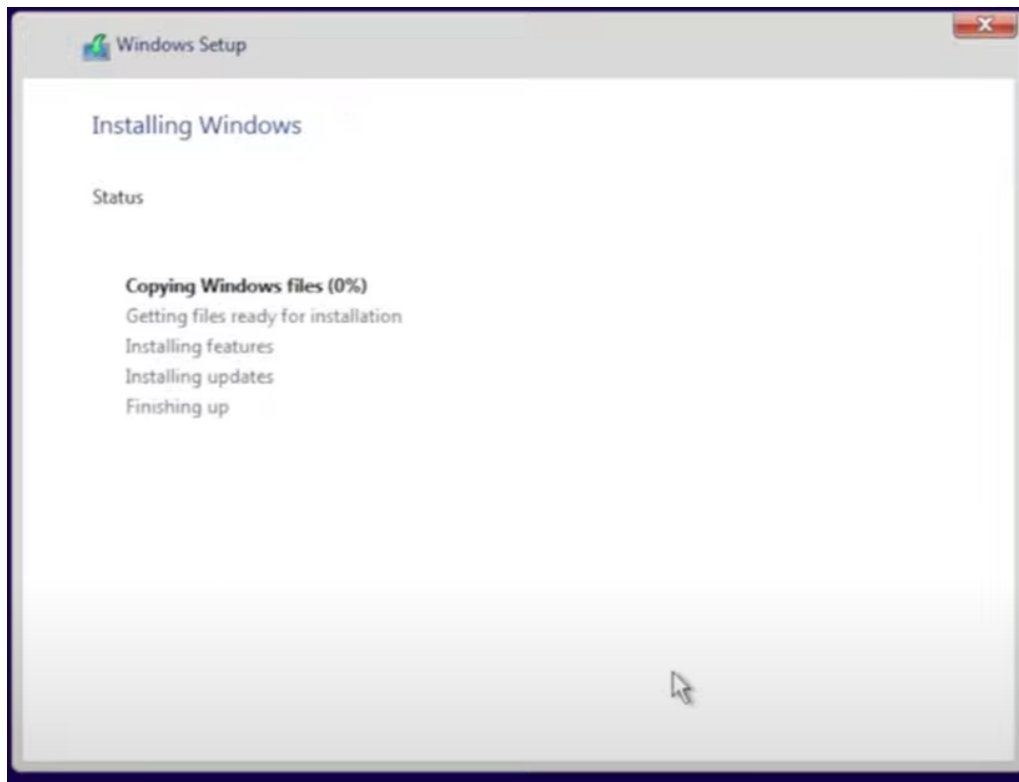
- Once you click on I don't have a product key → select operating system screen shows → select Windows 10 Pro.



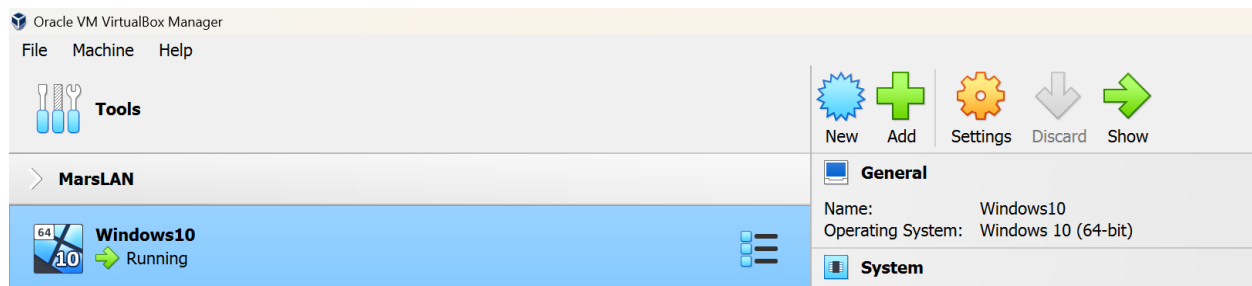
- Click Next→ click on Custom Install Windows only option.



- It will show Installing Windows as shown in below screenshot.

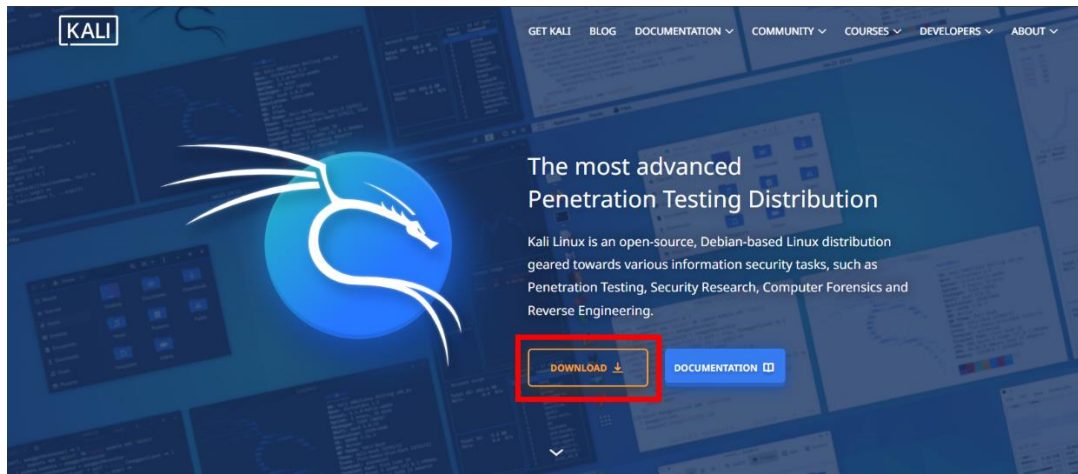


- Windows 10 is successfully installed. To power on the machine click Show.

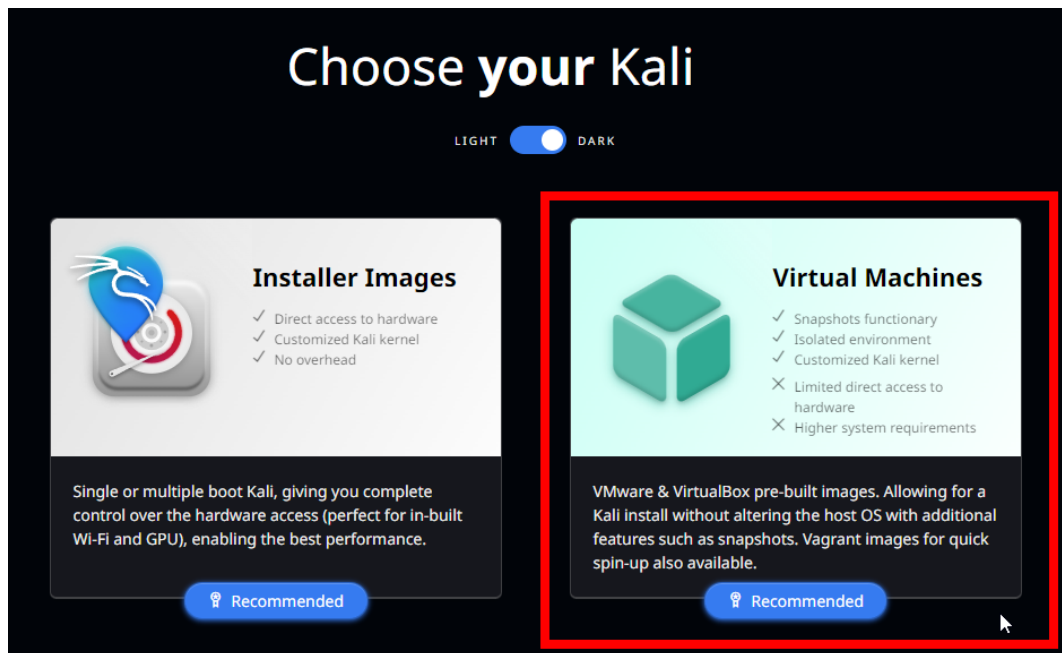


3. Installing Kali Linux

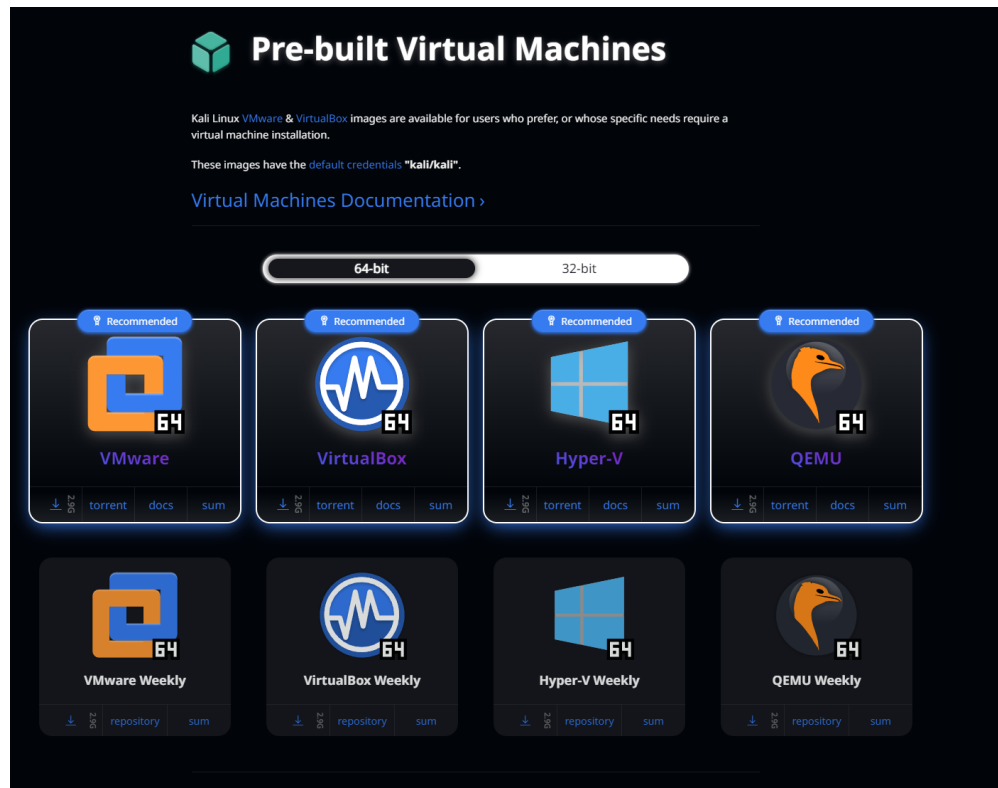
- Go to <https://kali.org>, and click on "Download".



- Choose the **Virtual Machines** option.



- Choose the 32-bit or 64-bit VirtualBox option, according to your PC specs.



- Extract the downloaded **kali-linux-2023.4-virtualbox-amd64** zip file.

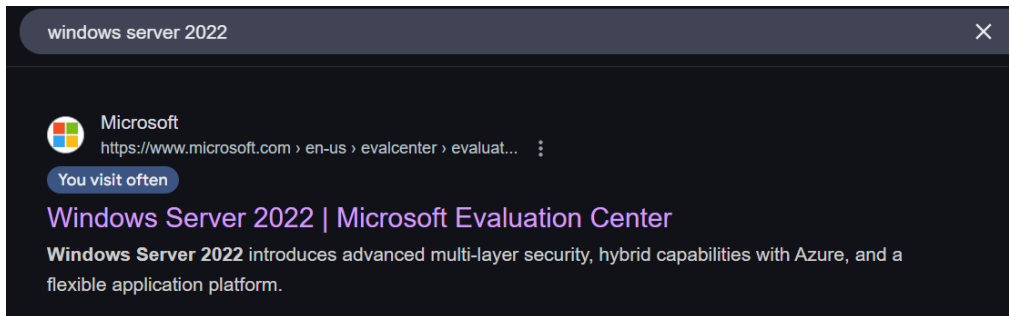
| Downloads > | | | | |
|-----------------------------------------------------------------------------------------------------------------------|---------------------|-------------|--------------|--|
| <div> <div> <div></div> <div></div> <div></div> <div></div> </div> <div>Sort</div> <div>View</div> <div></div> </div> | | | | |
| Name | Date modified | Type | Size | |
| kali-linux-2023.4-virtualbox-amd64 | 2023-12-18 12:22 PM | 7Z File | 3,147,148 KB | |
| VirtualBox-7.0.12-159484-Win | 2023-12-18 11:19 AM | Application | 108,298 KB | |

- Once you extract the download → double click the vbox file it will automatically get exported in Kali.

| Name | Date modified | Type | Size |
|------------------------------------------------|--------------------|----------------------|----------------|
| kali-linux-2024.1-virtualbox-amd64.vbox | 6/01/2024 1:48 am | VirtualBox Machin... | 3 KB |
| kali-linux-2024.1-virtualbox-amd64.vdi | 26/01/2024 1:47 am | Virtual Disk Image | 13,631,809 ... |

4. Installing Windows Server

- Go to (<https://www.microsoft.com/en-us/evalcenter/evaluate-windows-server-2022>) website.



- Click on Download the ISO. → User will be asked to fill a free trial form → Click download.

Windows Server 2022

[Overview](#) [Get started for free](#) [Description](#) [Prerequisites](#) [Resources](#) [Supporting products](#)

Overview

In addition to your trial experience of Windows Server 2022, you can more easily add and manage languages and Features on Demand with the new Languages and Optional Features ISO. Download this [ISO](#). This ISO is only available on Windows Server 2022 and combines the previously separate Features on Demand and Language Packs ISOs, and can be used as a [FOO and Language pack repository](#). To learn about Features on Demand, see [Features on Demand](#). To learn about adding languages, see [Add Languages](#).

Get started for free

Please select your evaluation experience:

[Try Windows Server on Azure >](#)

[Create a Virtual Machine in Azure >](#)

[Download the ISO >](#)

[Download the VHD >](#)

Evaluate Windows Server 2022

Windows Server 2022 introduces advanced multi-layer security, hybrid capabilities with Azure, and a flexible application platform. Run business-critical workloads with Windows Server 2022:

- Apply advanced multi-layer protection against threats with secured-core server.
- Run SQL Server with confidence using 48TB of memory, 64 sockets, and 2048 logical cores.
- Use Windows Admin Center for improved VM management, enhanced event viewer, and to connect to Azure through Azure Arc.

This new release also includes significant improvements to Windows containers, such as smaller image sizes for faster download, simplified network policy implementation and containerization tools for .NET applications.

Learn more about the features of [Windows Server 2022](#).

Register for your free trial today

Complete the form below.

| | |
|--------------------|----------------------------------------------------------------|
| * First name | <input type="text"/> |
| * Last name | <input type="text"/> |
| * Email | <input type="text"/> |
| * Company name | <input type="text"/> |
| * Country/Region | <input type="text" value="Country/region"/> |
| * Company size | <input type="text" value="Company size"/> |
| * Job role | <input type="text"/> |
| * Phone | <input type="text" value="Country Code"/> <input type="text"/> |
| Questions/Comments | <input type="text"/> |

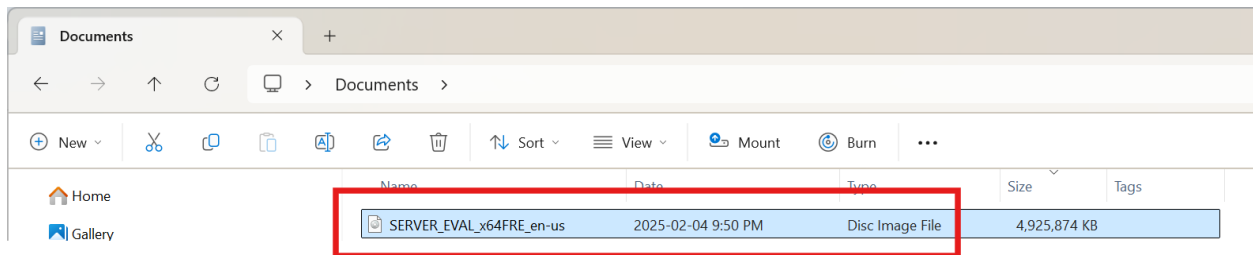
[Download now](#)

* Please complete required fields

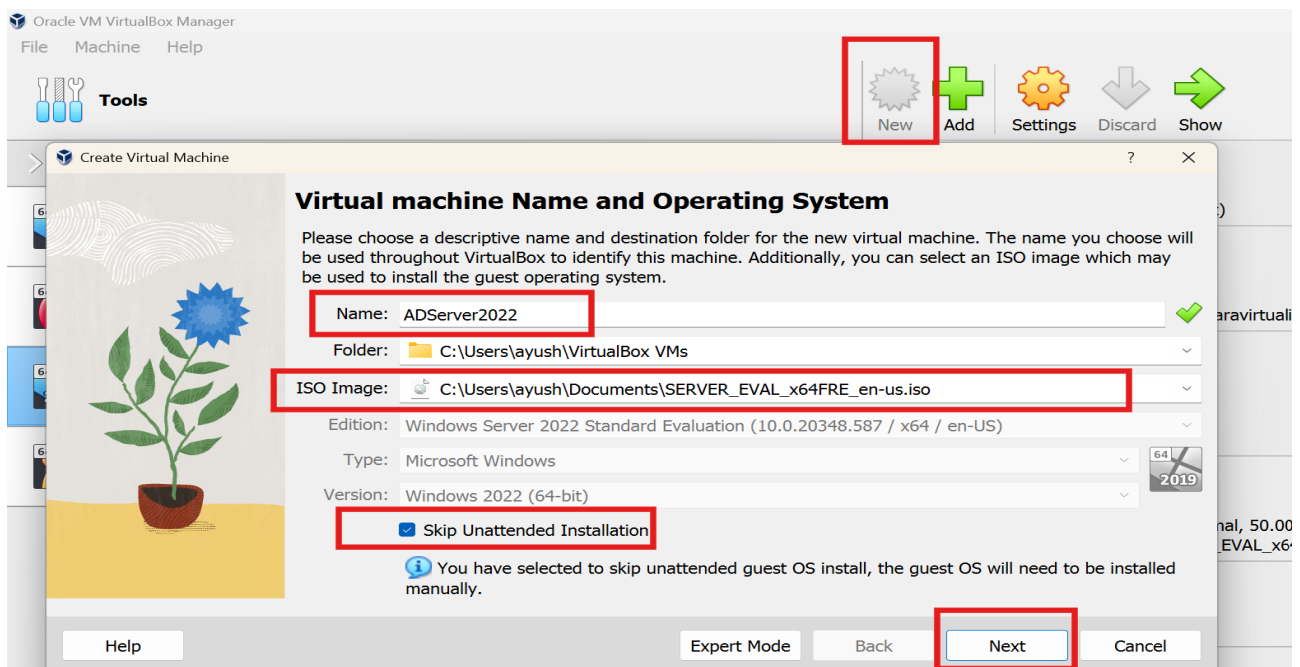
- Select the ISO downloads 64-bit.

| | | | | |
|-------------------------|----------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| English (United States) | ISO downloads 64-bit edition | VHD download 64-bit edition | Try on Azure Learn more | Create a VM in Azure Learn more |
| Chinese (Simplified) | ISO downloads 64-bit edition | | | |
| French | ISO downloads 64-bit edition | | | |

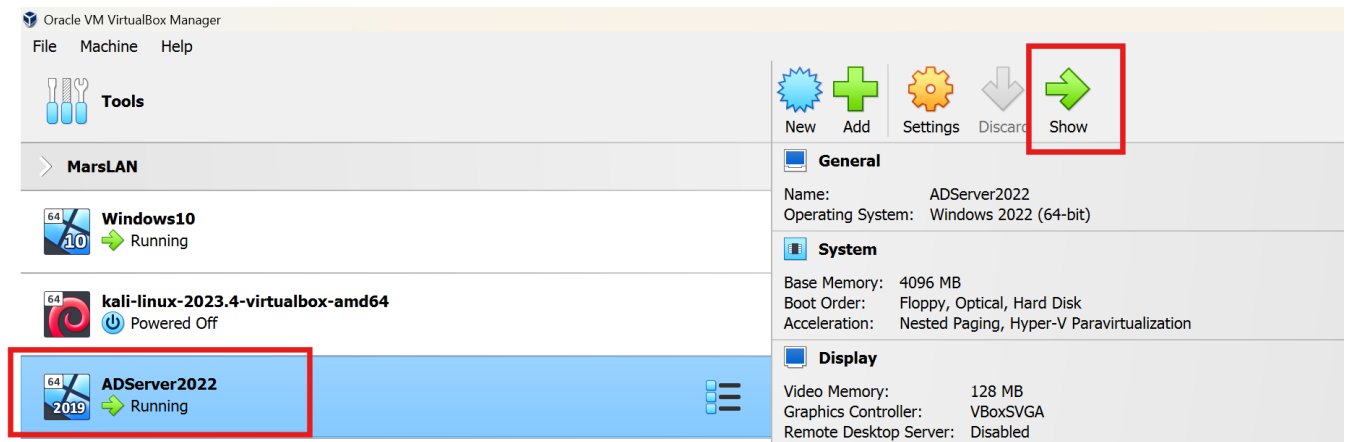
- The iso file gets downloaded as shown below.



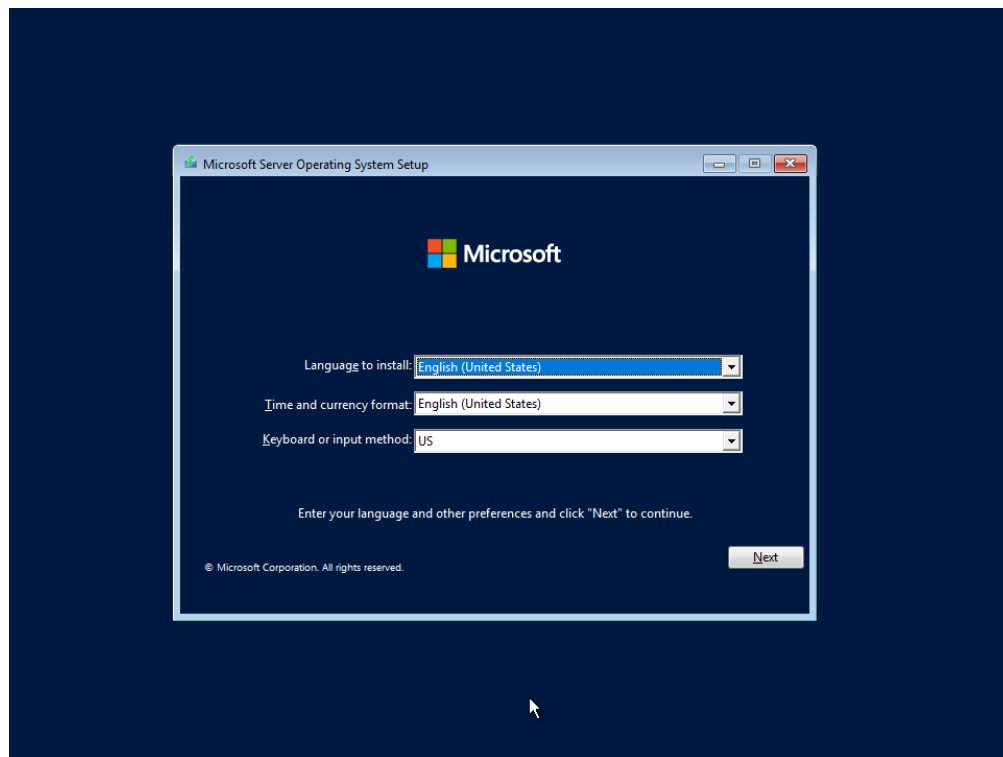
- Click on New icon in VirtualBox to add the Windows Server 2022 → Name the server ADServer2022 → Select the iso file downloaded → Skip unattended installation → click finish.



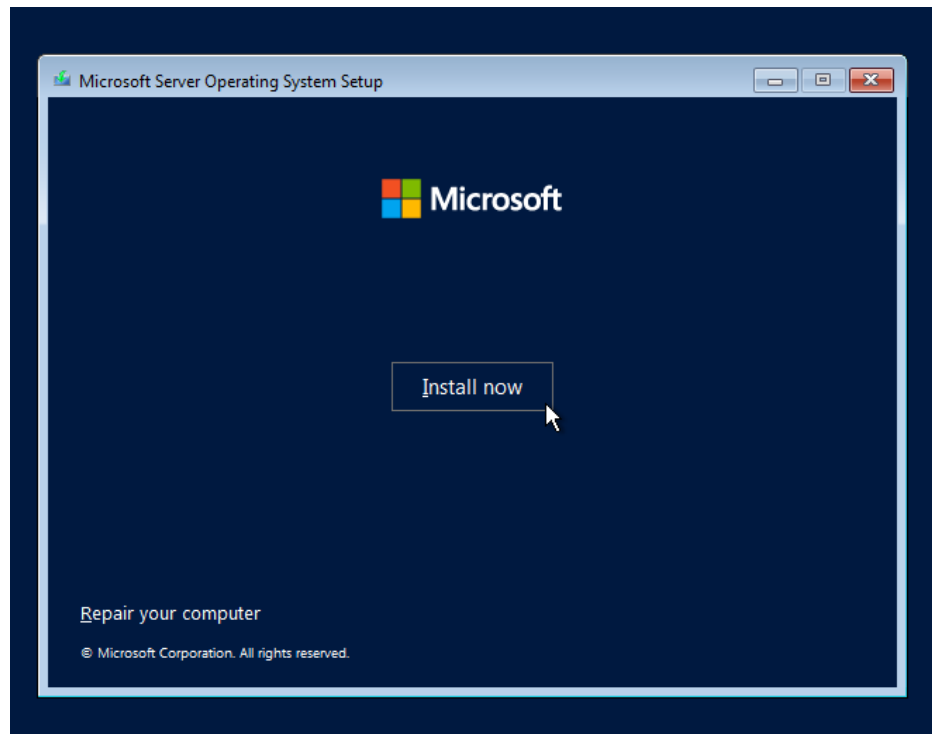
- To power on the Windows Server 2022 click on Show.



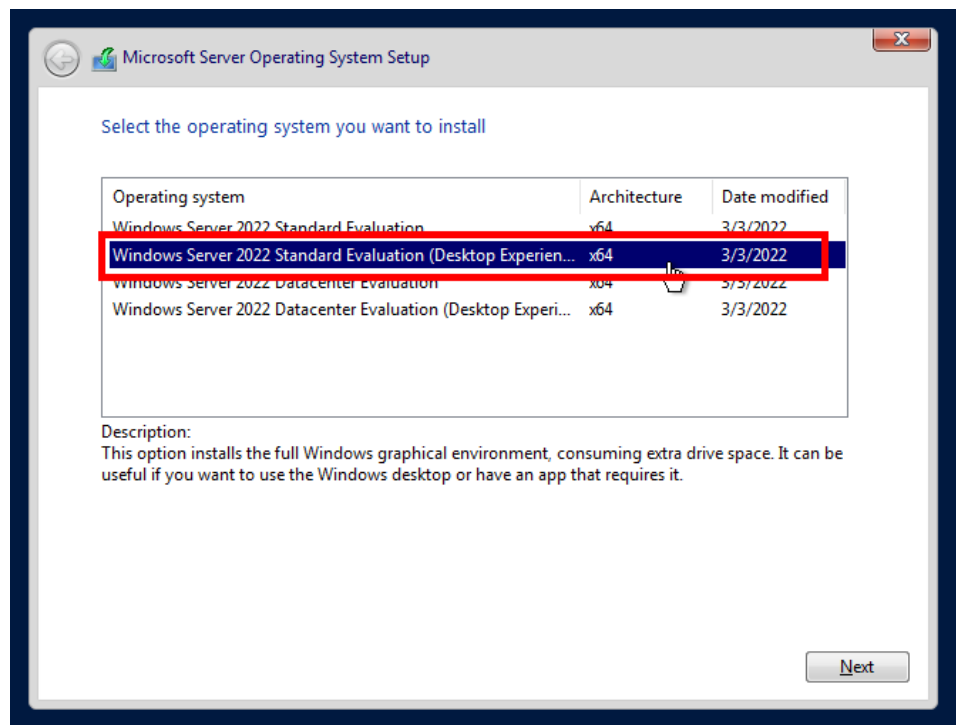
- Once the machine is started → click next as shown below screenshot.



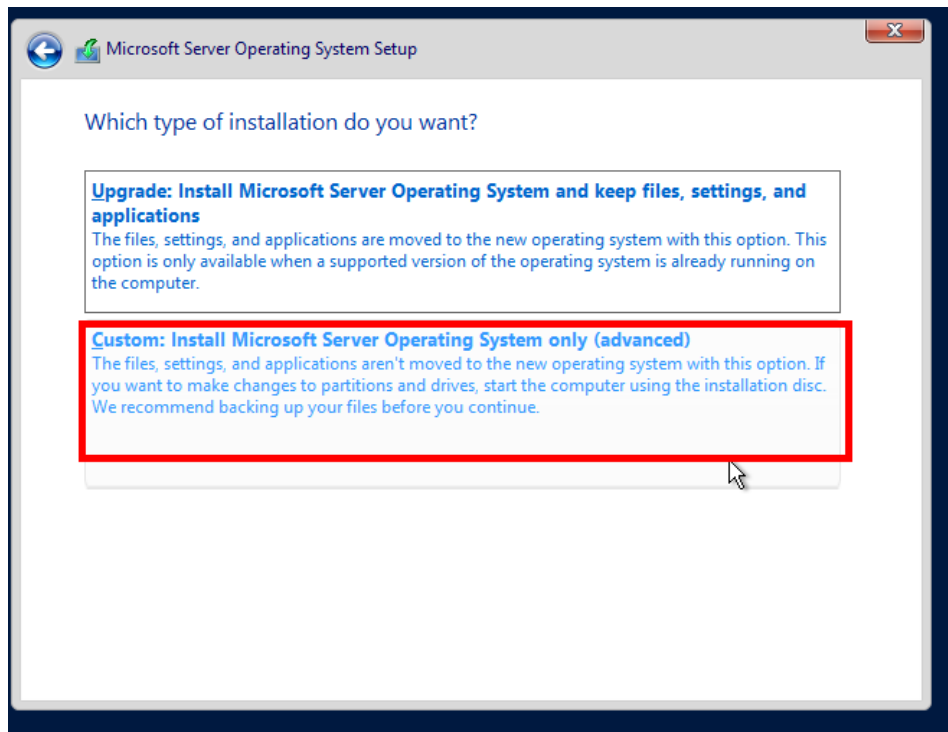
- Click Install now on the Setup screen.



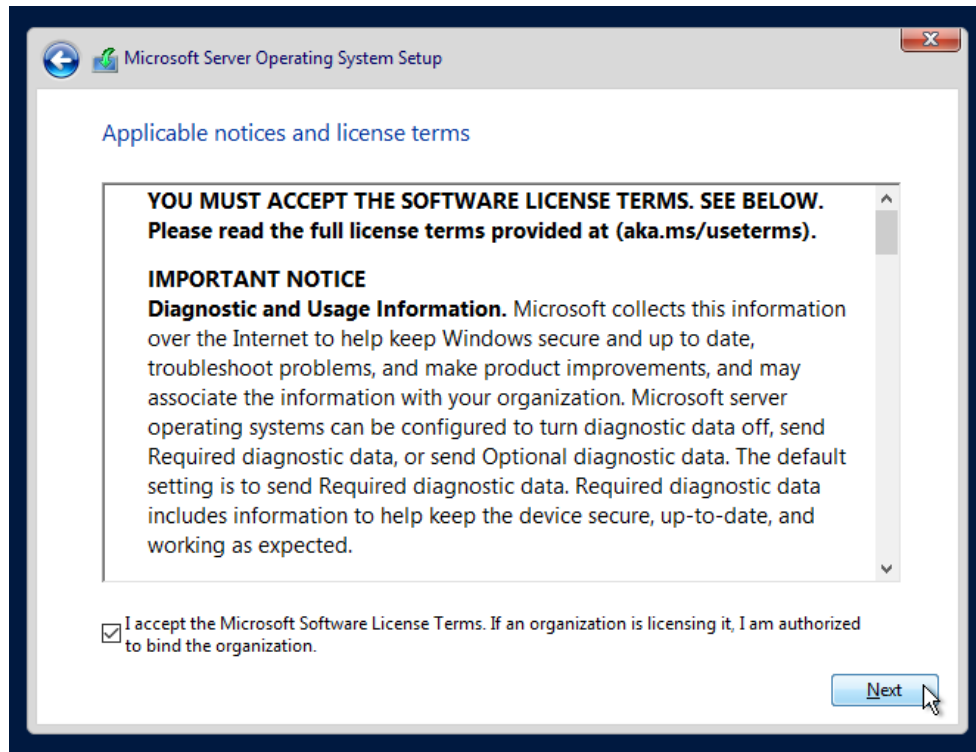
- Select the Windows Server 2022 as shown below. Click Next.



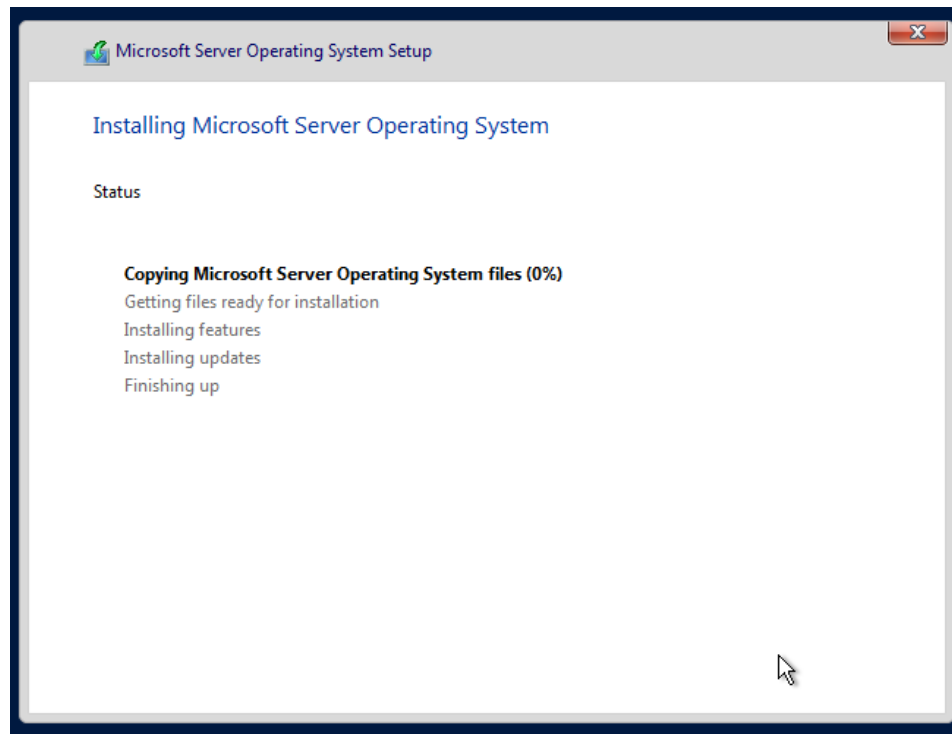
- Click on custom: Install Microsoft Server as shown below.



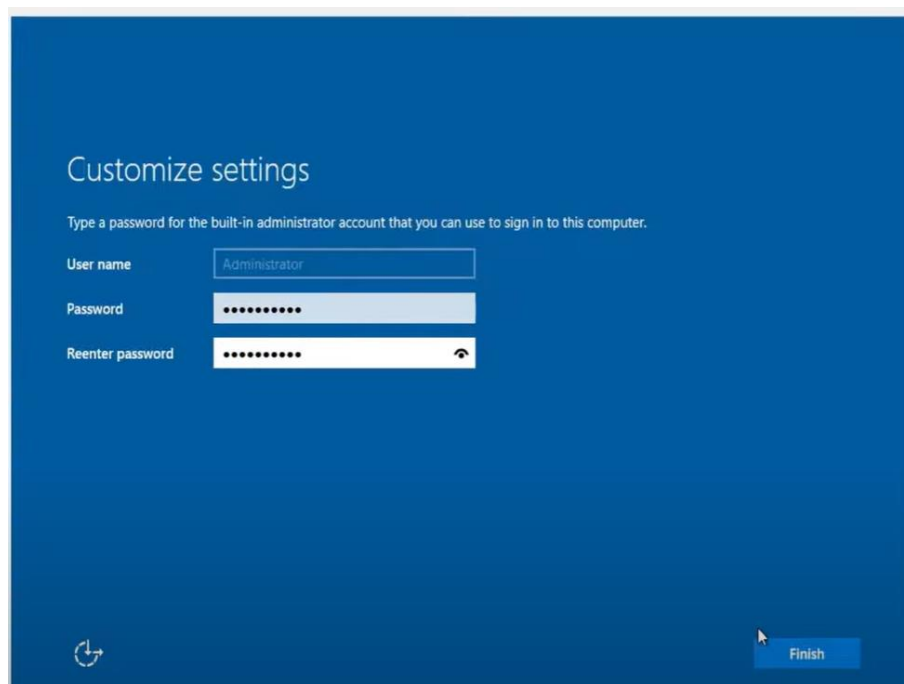
- Accept the License term agreement. Click Next.



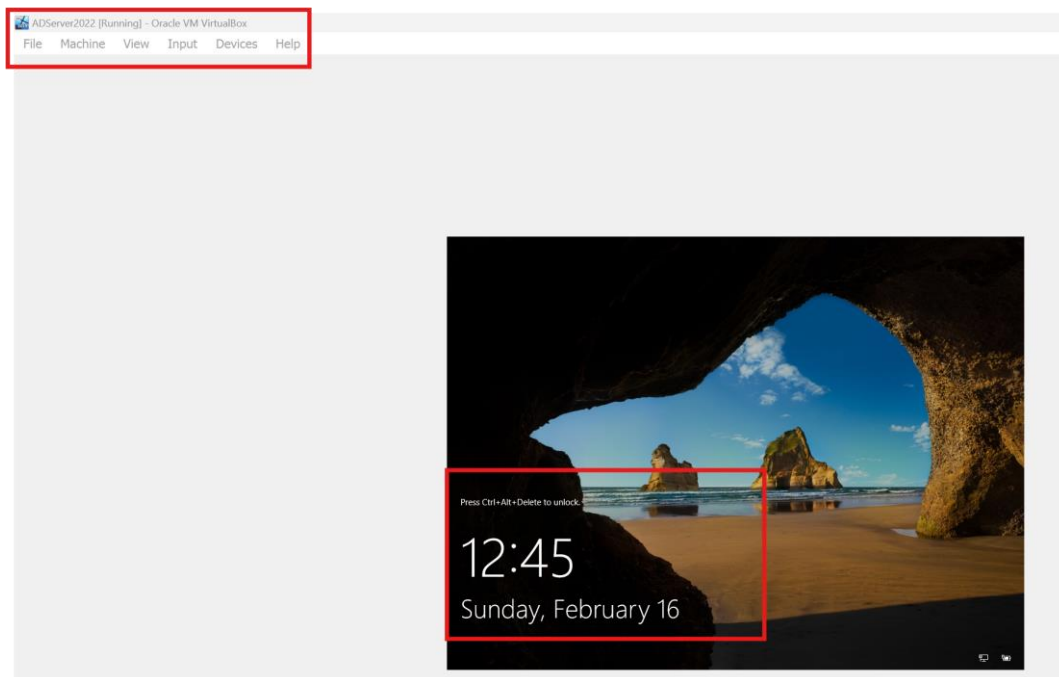
- Windows Server will start to install.



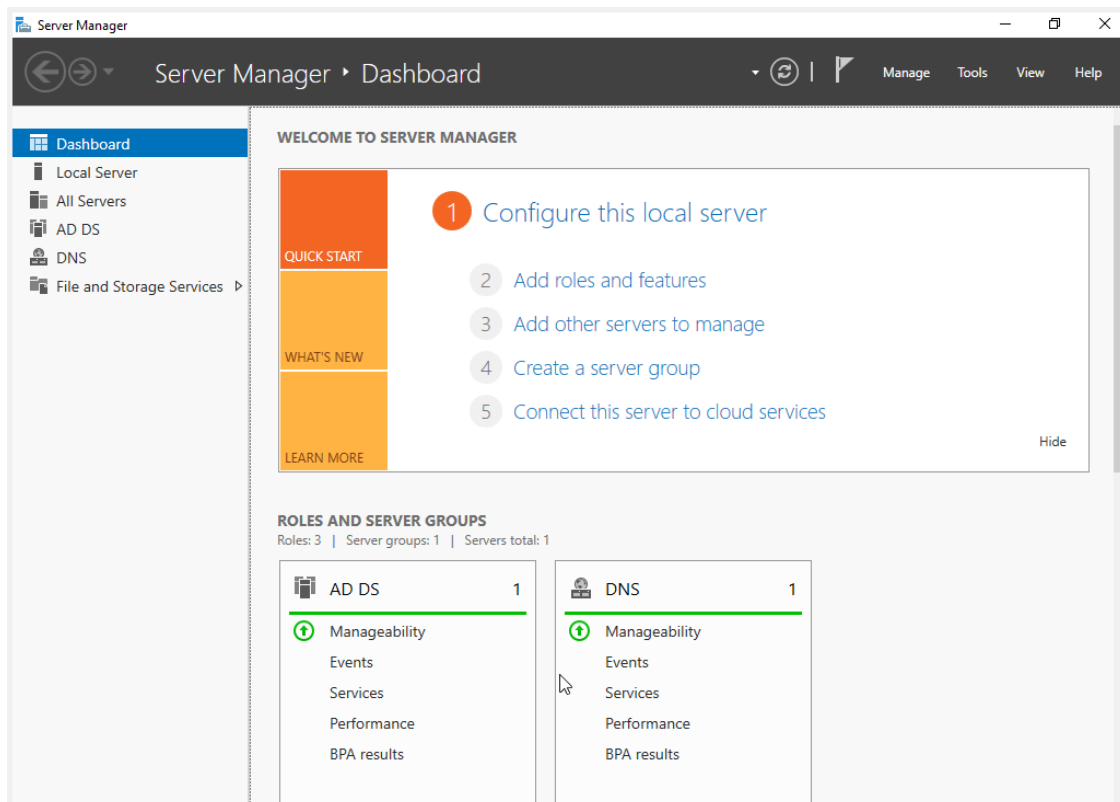
- Provide the password for Administrator account and click Finish.



- Windows Server is installed as shown in below snippet.

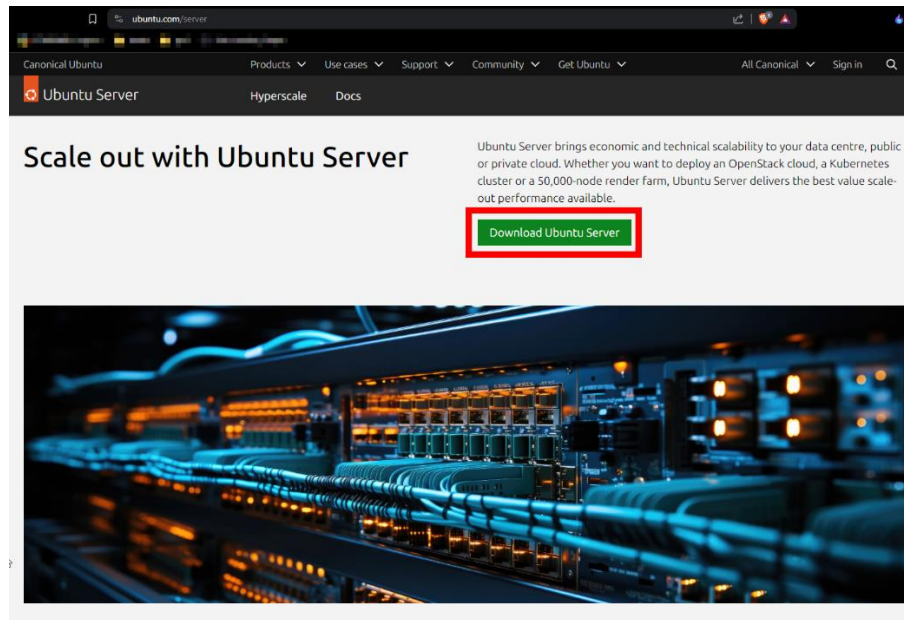


- Server Manager is shown which is used to install Active Directory.




5. Installing Ubuntu 22.04 Server for Splunk

- Go to <https://ubuntu.com/server> and click the download button.



Ubuntu 24.04.1 LTS





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](#).

[Download 24.04.1 LTS](#) 2.6GB

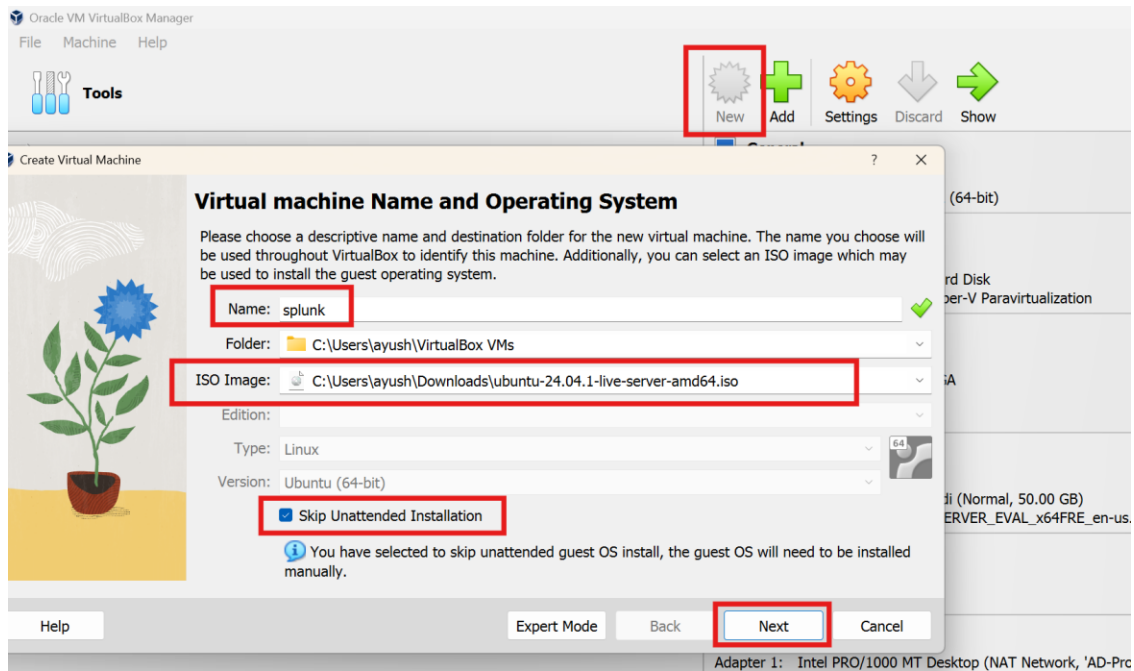
[Alternative downloads ›](#)

[Alternative architectures ›](#)

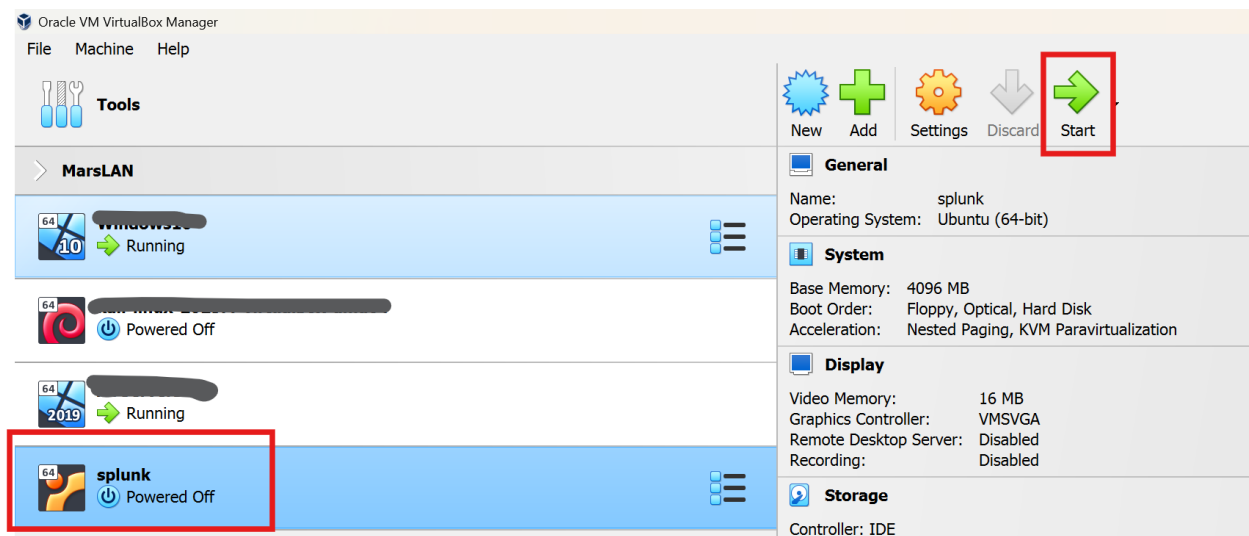
- In VirtualBox, click the **New** button and name the new machine as "Splunk". Choose the destination folder and select the ISO file we downloaded earlier.
- Keep the "Skip Unattended Installation" checked.

| Downloads | | | |
|--------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------------|
| Name | Date modified | Type | Size |
|  80b2e1fe-d79b-4486-9dd0-9d98d6f499da | 2025-02-06 9:27 PM | Chrome PDF Docum... | 1,375 KB |
|  ubuntu-24.04.1-live-server-amd64 | 2025-02-04 10:36 PM | Disc Image File | 2,708,862 KB |

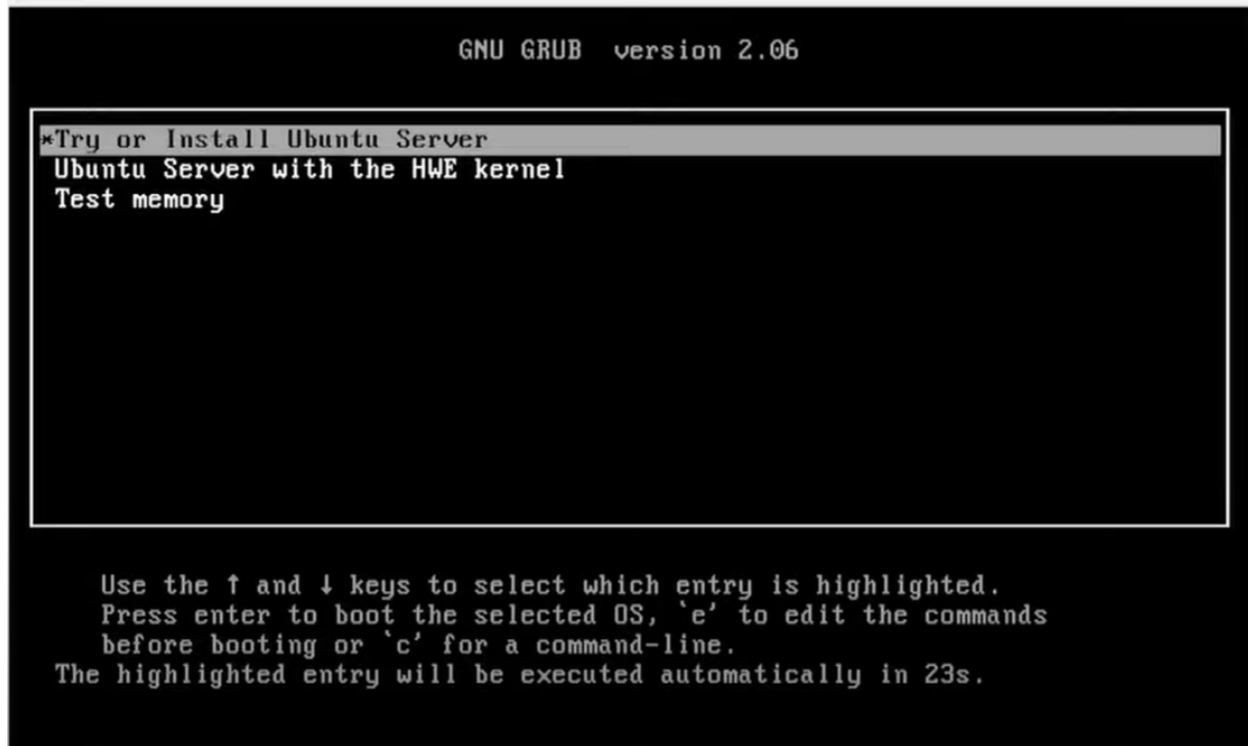
- Click on New in VirtualBox → provide Name “splunk” → Provide iso image which we downloaded and click skip attended installation → click Next.



- Ubuntu machine is showing in VitruaBox → To power on the machine click start.



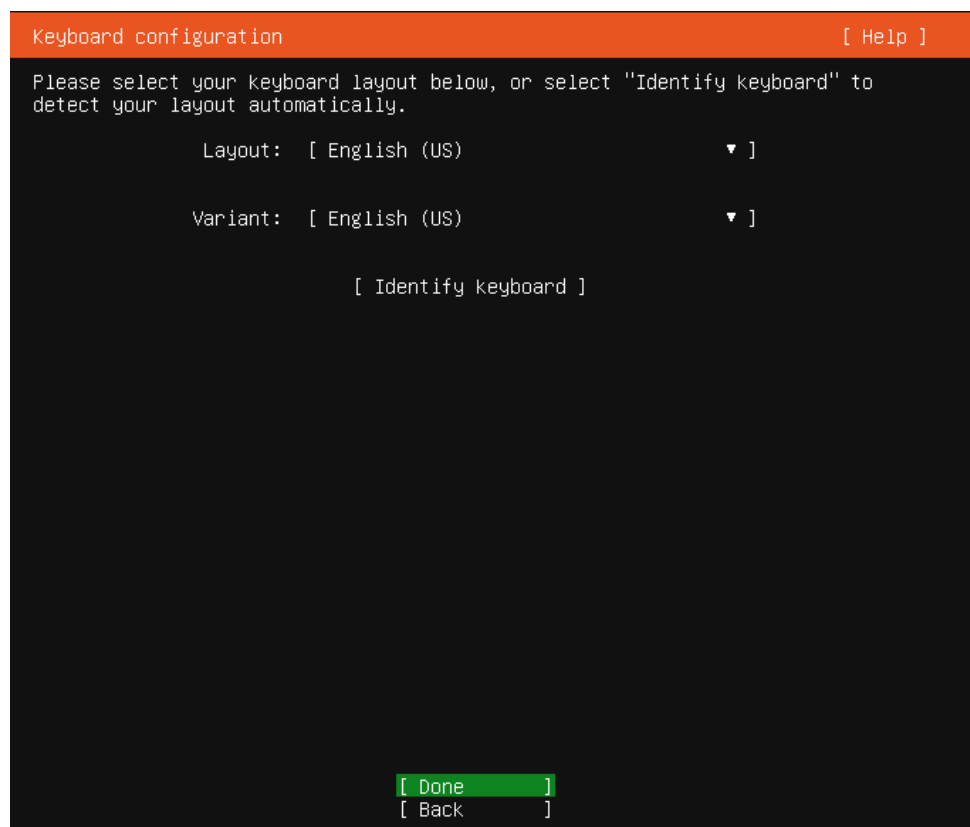
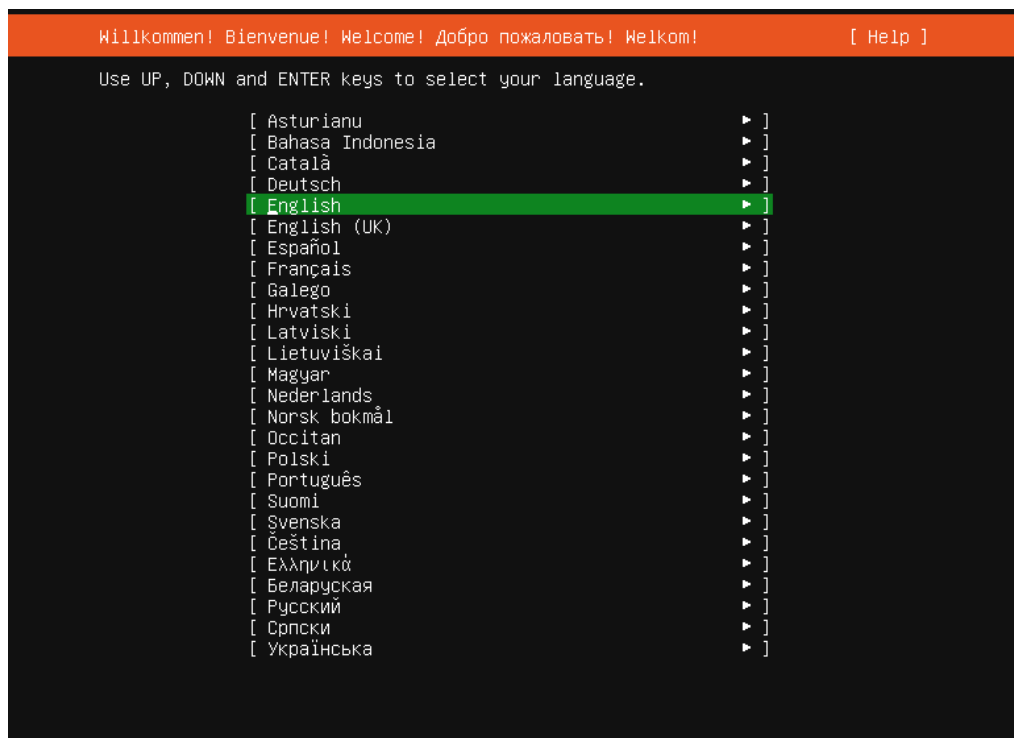
- Select "Try or Install Ubuntu Server" and press Enter.



```

Starting Tell Plymouth To Write Out Runtime Data...
Starting Load AppArmor profiles managed internally by snapd...
Starting Set Up Additional Binary Formats...
Starting Create Volatile Files and Directories...
Starting Uncomplicated firewall...
[ OK ] Finished Create final runtime dir for shutdown pivot root.
Mounting Arbitrary Executable File Formats File System...
[ OK ] Finished Uncomplicated firewall.
[ OK ] Finished Tell Plymouth To Write Out Runtime Data.
[ OK ] Finished Set console font and keymap.
[ OK ] Mounted Arbitrary Executable File Formats File System.
[ OK ] Started Rule-based Manager for Device Events and Files.
[ OK ] Started Dispatch Password Requests to Console Directory Watch.
[ OK ] Reached target Local Encrypted Volumes.
[ OK ] Finished Set Up Additional Binary Formats.
[ OK ] Finished Create Volatile Files and Directories.
Starting Network Time Synchronization...
Starting Record System Boot/Shutdown in UTMP...
Starting Initial cloud-init job (pre-networking)...
[ OK ] Finished Record System Boot/Shutdown in UTMP.
[ OK ] Started Network Time Synchronization.
[ OK ] Reached target System Time Set.
[ OK ] Listening on Load/Save RF Kill Switch Status /dev/rfkill Watch.
[ OK ] Reached target Sound Card.
[ OK ] Finished Load AppArmor profiles managed internally by snapd.
[ OK ] Finished Initial cloud-init job (pre-networking).
[ OK ] Reached target Preparation for Network.
Starting Network Configuration...
[ OK ] Started Network Configuration.
Starting Wait for Network to be Configured...
Starting Network Name Resolution...
[ OK ] Finished Wait for Network to be Configured.
Starting Initial cloud-init job (metadata service crawler)...
[ OK ] Started Network Name Resolution.
[ OK ] Reached target Network.
[ OK ] Reached target Host and Network Name Lookups.

```



Choose type of install

[Help]

Choose the base for the installation.

☒ 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 kernel.

[Done]

[Back]

Network connections

[Help]

Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

| NAME | TYPE | NOTES |
|-----------------------------------------------------------------------------------------------------------|--------------|-------|
| [enp0s3 | eth | - ▶] |
| DHCPv4 | 10.0.2.15/24 | |
| 08:00:27:6e:d8:20 / Intel Corporation / 82540EM Gigabit Ethernet Controller (PRO/1000 MT Desktop Adapter) | | |

[Create bond ▶]

[Done]

[Back]

- Leave the Proxy address field blank and press Enter.

Configure proxy

[Help]

If this system requires a proxy to connect to the internet, enter its details here.

Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[[user][:pass]@host[:port]]/".

[Done]

[Back]

Configure Ubuntu archive mirror

[Help]

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

Mirror address:

You may provide an archive mirror that will be used instead of the default.

The mirror location is being tested. |

[Done]

[Back]

Guided storage configuration [Help]

Configure a guided storage layout, or create a custom one:

(X) Use an entire disk

[VBOX_HARDDISK_VB52ebf2d3-782bc1e8 local disk 100.000G ▾]

[X] Set up this disk as an LVM group

[] Encrypt the LVM group with LUKS

Passphrase:

Confirm passphrase:

[] Also create a recovery key
The key will be stored as
~/recovery-key.txt in the live system and
will be copied to /var/log/installer/ in
the target system.

() Custom storage layout

[Done]

[Back]

Storage configuration [Help]

FILE SYSTEM SUMMARY

| MOUNT POINT | SIZE | TYPE | DEVICE TYPE |
|-------------|---------|----------|---------------------------------|
| [/ | 48.996G | new ext4 | new LVM logical volume ▸] |
| [/boot | 2.000G | new ext4 | new partition of local disk ▸] |

AVAILABLE DEVICES

| DEVICE | TYPE | SIZE |
|-------------------|------------------|-------------|
| [ubuntu-vg (new) | LVM volume group | 97.996G ▸] |
| free space | | 49.000G ▸] |

[Create software RAID (md) ▸]

[Create volume group (LVM) ▸]

USED DEVICES

| DEVICE | TYPE | SIZE |
|-------------------------------------|------------------------------------------------|--------------|
| [ubuntu-vg (new) | LVM volume group | 97.996G ▸] |
| ubuntu-lv | new, to be formatted as ext4, mounted at / | 48.996G ▸] |
| [VBOX_HARDDISK_VB52ebf2d3-782bc1e8 | local disk | 100.000G ▸] |
| partition 1 | new, BIOS grub spacer | 1.000M ▸] |
| partition 2 | new, to be formatted as ext4, mounted at /boot | 2.000G ▸] |
| partition 3 | new, PV of LVM volume group ubuntu-vg | 97.997G ▸] |

[Done]

[Reset]

[Back]

- Navigate to Continue option with down arrow key

Confirm destructive action

Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the installation has started.

Are you sure you want to continue?

[No]

[Continue]

- Provide the name, server name, username, password and confirm password and press done.

Profile setup

[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:

Your servers name:

The name it uses when it talks to other computers.

Pick a username:

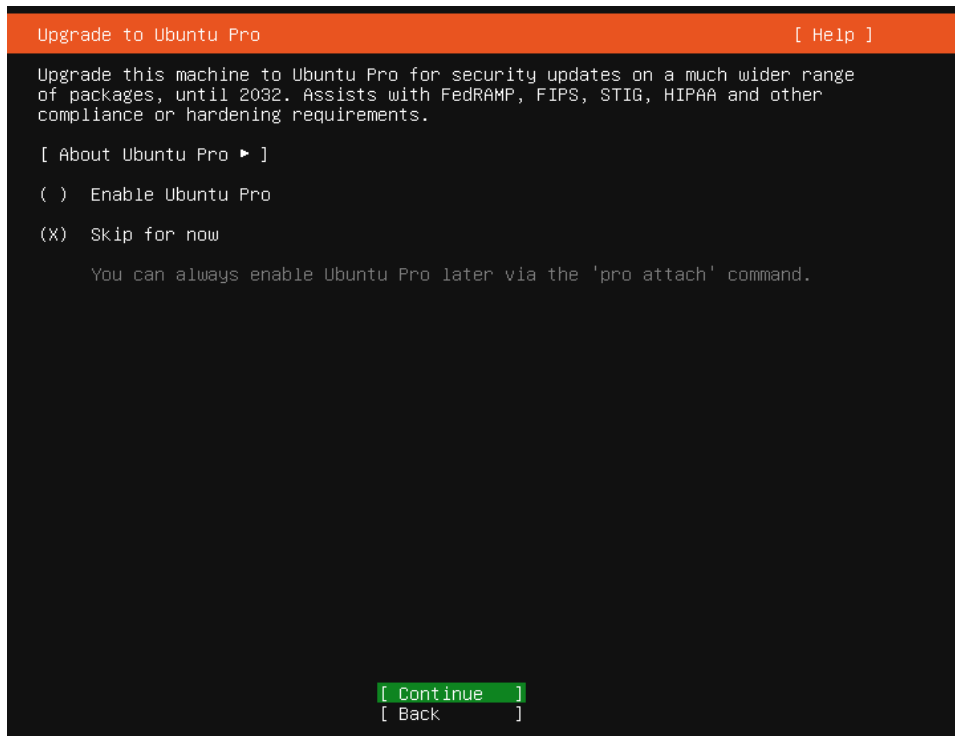
Choose a password:

••••••••••••••••

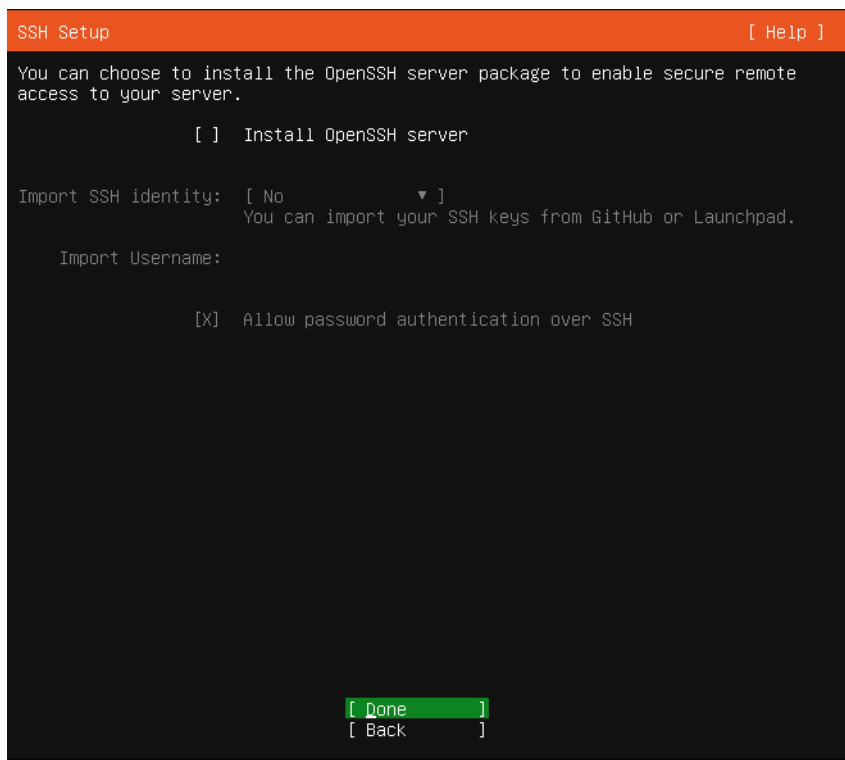
Confirm your password:

••••••••••~•••••

[Done]



- Leave the Install OpenSSH Server and press Enter.



- Leave these options unchecked, select "Done" with the down arrow key and press Enter.

```

Featured Server Snaps [ Help ]

These are popular snaps in server environments. Select or deselect with SPACE,
press ENTER to see more details of the package, publisher and versions
available.

[ ] microk8s           Kubernetes for workstations and appliances ▶
[ ] nextcloud          Nextcloud Server - A safe home for all your data ▶
[ ] wekan              Open-Source kanban ▶
[ ] kata-containers    Build lightweight VMs that seamlessly plug into the c ▶
[ ] docker             Docker container runtime ▶
[ ] canonical-livepatch Canonical Livepatch Client ▶
[ ] rocketchat-server  Rocket.Chat server ▶
[ ] mosquito           Eclipse Mosquitto MQTT broker ▶
[ ] etcd               Resilient key-value store by CoreOS ▶
[ ] powershell        PowerShell for every system! ▶
[ ] sabnzbd            SABnzbd ▶
[ ] wormhole           get things from one computer to another, safely ▶
[ ] aws-cli            Universal Command Line Interface for Amazon Web Servi ▶
[ ] google-cloud-sdk   Google Cloud SDK ▶
[ ] slcli              Python based SoftLayer API Tool. ▶
[ ] doctl              The official DigitalOcean command line interface ▶
[ ] conjure-up          Package runtime for conjure-up spells ▶
[ ] postgresql10       PostgreSQL is a powerful, open source object-relation ▶
[ ] heroku              CLI client for Heroku ▶
[ ] keepalived          High availability VRRP/BFD and load-balancing for Lin ▶
[ ] prometheus          The Prometheus monitoring system and time series data ▶

[ Done ]
[ Back ]

```

- When you see the "**Reboot Now**" option → it means that the server has finished installing.
- Select "Reboot Now" with the down button → press Enter.

```

Install complete! [ Help ]

executing curtin install curthooks step
  curtin command install
    configuring installed system
      running 'curtin curthooks'
        curtin command curthooks
          configuring apt configuring apt
          installing missing packages
          Installing packages on target system: ['grub-pc']
          configuring iscsi service
          configuring raid (mdadm) service
          installing kernel
          setting up swap
          apply networking config
          writing etc/fstab
          configuring multipath
          updating packages on target system
          configuring pollinate user-agent on target
          updating initramfs configuration
          configuring target system bootloader
          installing grub to target devices
final system configuration
  calculating extra packages to install
  configuring cloud-init
  downloading and installing security updates
  curtin command in-target
  restoring apt configuration
  curtin command in-target
subiquity/Late/run

[ View full log ]
[ Reboot Now ]

```

- Just press Enter when you encounter this screen.

```
[FAILED] Failed unmounting /cdrom.
Please remove the installation medium, then press ENTER:
[FAILED] Failed unmounting /cdrom.
```

- Provide the Login and password as shown below snippet.

```
Starting Record Runlevel Change in UTMF...
[ OK ] Finished Record Runlevel Change in UTMF.
[ 39.379194] cloud-init[1380]: Cloud-init v. 23.3.3-0ubuntu0~22.04.1 running 'modules:final' at Thu, 14 Mar 2024 09:50:53 +0000. Up 39.30 seconds.
ci-info: no authorized SSH keys fingerprints found for user cyberchicky.
<14>Mar 14 09:50:54 cloud-init: #####
<14>Mar 14 09:50:54 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Mar 14 09:50:54 cloud-init: 1024 SHA256:7NshK1rqUNFYf0FXAbTbszNJ5/A0Ju++7u7rhpUonIk root@splunk
(DSA)
<14>Mar 14 09:50:54 cloud-init: 256 SHA256:FdgeL415y1fvHYIgc+QGfGOMVg5AYaUppXRBbkhU92o root@splunk (
ECDSA)
<14>Mar 14 09:50:54 cloud-init: 256 SHA256:w0D9iUXCLyTEdfPBvf4/ObYzEHApXnmHg4D74Z/QtXc root@splunk (
ED25519)
<14>Mar 14 09:50:54 cloud-init: 3072 SHA256:+Q/izzIMjQdbxWl7CqNmY1NBR6AH2HbDGLIEIzuGipgA root@splunk
(RSA)
<14>Mar 14 09:50:54 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>Mar 14 09:50:54 cloud-init: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBA+0wY64Wg0MYN9/7RKPoolhXG0x
cSN7VgkRgRugB883X+48BkZ2S/yNrNvWg5DS21pCHf9GJC2yPSKcmdu2Q= root@splunk
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIj2JtJjVaIGScie0UwJvU869mIIMh0yrzqyju9mej/JI root@splunk
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDWIiXGKtJgg00/EueoEMEosIkArdJxV5Q3M6tHSBTePpDVatn2za+Vx/7HBoxR
+J0nykgF48aT2aVJshxovVv4uJU62+Vu+MACdkJqa241eCa68412yS0F/f2rhPFuRJu716V2wX2asafyzx1bsGqQd+1lc3MCmtqM
Yb6JgxxVJmqvtJelK4QJ3/ZA01xCDYEJpVx9hCIPKxfraphNe6y2KxI8TU+GkH1S4Van7W+xyDtCyic/ETVnp8Js1Xaw8aIEH01v
Qgefxc5JzXndtf+c10BoSNj28hndUSofLLmb1EFROC5ah7pAFR6psMUNOVJka3wChpEk62PJIWpQT2wTpbPhJfHBVpPDRJUaQ
yI4MQ+xy0WKg27DDIGboAmFdsUxCGHdJmh0fIrrImaVt51jqOb63BoHr1vWQw10ounXfYNSdwx48EIn4dAqksmr72PeW8axL45X
q1XhQxmLuFYiVpEPX/v0HzCrNrf5XFX/fUTRY2uBAeUkAdz10M= root@splunk
-----END SSH HOST KEY KEYS-----
[ 40.423626] cloud-init[1380]: Cloud-init v. 23.3.3-0ubuntu0~22.04.1 finished at Thu, 14 Mar 2024
09:50:54 +0000. DataSource DataSourceNone. Up 40.41 seconds
[ 40.424980] cloud-init[1380]: 2024-03-14 09:50:54,286 - cc_final_message.py[WARNING]: Used fallback
data source
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.

splunk login:
Password:
```

```
[ OK ] Reached target Graphical Interface.
Starting Execute cloud user/final scripts...
Starting Record Runlevel Change in UTMF...
[ OK ] Finished Record Runlevel Change in UTMF.
[ 39.379194] cloud-init[1380]: Cloud-init v. 23.3.3-0ubuntu0~22.04.1 running 'modules:final' at Thu, 14 Mar 2024 09:50:53 +0000. Up 39.30 seconds.
ci-info: no authorized SSH keys fingerprints found for user cyberchicky.
<14>Mar 14 09:50:54 cloud-init: #####
<14>Mar 14 09:50:54 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Mar 14 09:50:54 cloud-init: 1024 SHA256:7NshK1rqUNFYf0FXAbTbszNJ5/A0Ju++7u7rhpUonIk root@splunk
(DSA)
<14>Mar 14 09:50:54 cloud-init: 256 SHA256:FdgeL415y1fvHYIgc+QGfGOMVg5AYaUppXRBbkhU92o root@splunk (
ECDSA)
<14>Mar 14 09:50:54 cloud-init: 256 SHA256:w0D9iUXCLyTEdfPBvf4/ObYzEHApXnmHg4D74Z/QtXc root@splunk (
ED25519)
<14>Mar 14 09:50:54 cloud-init: 3072 SHA256:+Q/izzIMjQdbxWl7CqNmY1NBR6AH2HbDGLIEIzuGipgA root@splunk
(RSA)
<14>Mar 14 09:50:54 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>Mar 14 09:50:54 cloud-init: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBA+0wY64Wg0MYN9/7RKPoolhXG0x
cSN7VgkRgRugB883X+48BkZ2S/yNrNvWg5DS21pCHf9GJC2yPSKcmdu2Q= root@splunk
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIj2JtJjVaIGScie0UwJvU869mIIMh0yrzqyju9mej/JI root@splunk
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDWIiXGKtJgg00/EueoEMEosIkArdJxV5Q3M6tHSBTePpDVatn2za+Vx/7HBoxR
+J0nykgF48aT2aVJshxovVv4uJU62+Vu+MACdkJqa241eCa68412yS0F/f2rhPFuRJu716V2wX2asafyzx1bsGqQd+1lc3MCmtqM
Yb6JgxxVJmqvtJelK4QJ3/ZA01xCDYEJpVx9hCIPKxfraphNe6y2KxI8TU+GkH1S4Van7W+xyDtCyic/ETVnp8Js1Xaw8aIEH01v
Qgefxc5JzXndtf+c10BoSNj28hndUSofLLmb1EFROC5ah7pAFR6psMUNOVJka3wChpEk62PJIWpQT2wTpbPhJfHBVpPDRJUaQ
yI4MQ+xy0WKg27DDIGboAmFdsUxCGHdJmh0fIrrImaVt51jqOb63BoHr1vWQw10ounXfYNSdwx48EIn4dAqksmr72PeW8axL45X
q1XhQxmLuFYiVpEPX/v0HzCrNrf5XFX/fUTRY2uBAeUkAdz10M= root@splunk
-----END SSH HOST KEY KEYS-----
[ 40.423626] cloud-init[1380]: Cloud-init v. 23.3.3-0ubuntu0~22.04.1 finished at Thu, 14 Mar 2024
09:50:54 +0000. DataSource DataSourceNone. Up 40.41 seconds
[ 40.424980] cloud-init[1380]: 2024-03-14 09:50:54,286 - cc_final_message.py[WARNING]: Used fallback
data source
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.
```

- After logging in, we will be updating the files and dependencies with `sudo apt-get update` && `apt-get upgrade -y`.

```
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 5.15.0-100-generic x86_64)

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

System information as of Thu Mar 14 10:18:39 AM UTC 2024

System load:  0.0               Processes:    108
Usage of /:   14.4% of 47.93GB   Users logged in: 0
Memory usage: 2%               IPv4 address for enp0s3: 10.0.2.15
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

7 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

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

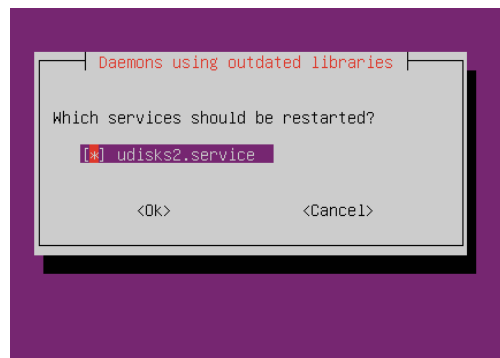
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

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.

@splunk:~$ sudo apt-get update && sudo apt-get upgrade -y
```

- Just press Enter when you encounter this screen. After that, the setup is now complete.



- The Ubuntu Server is successfully running.

```
systemctl restart udisks2.service

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

@splunk:~$
```