



Ubuntu VMWare Installation

1. Download VMWare Workstation 17 Player & any version of Ubuntu desired.

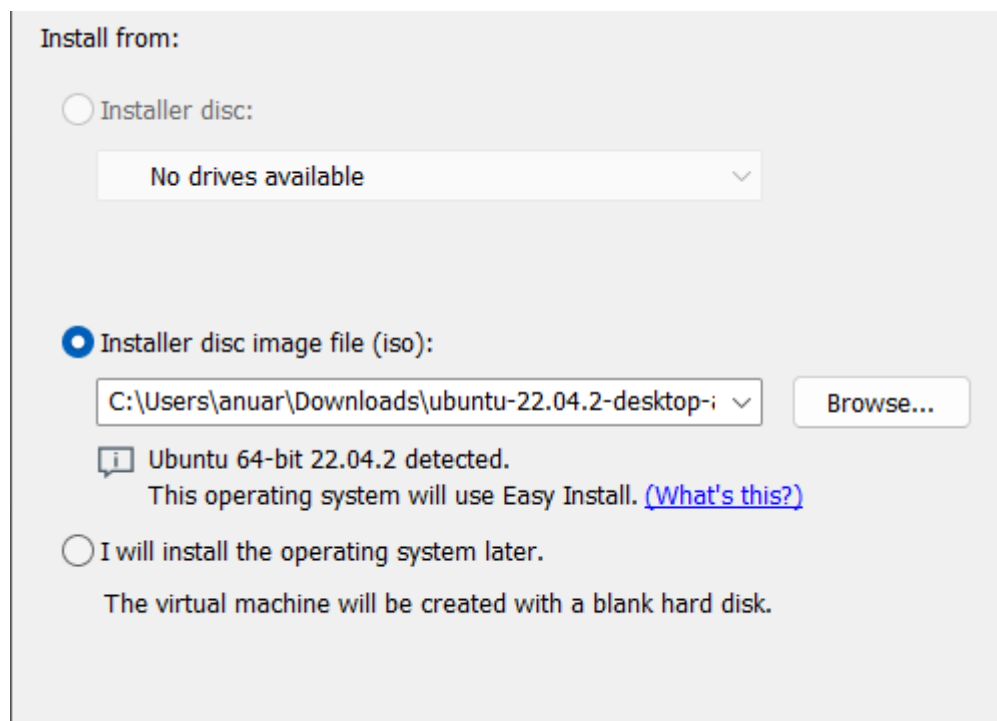
 <https://customerconnect.vmware.com/en/downloads/details?downloadGroup=WKST-PLAYER-1701&productId=1377&rPid=100675>

[Download Ubuntu Desktop](#) | [Download](#) | [Ubuntu](#)

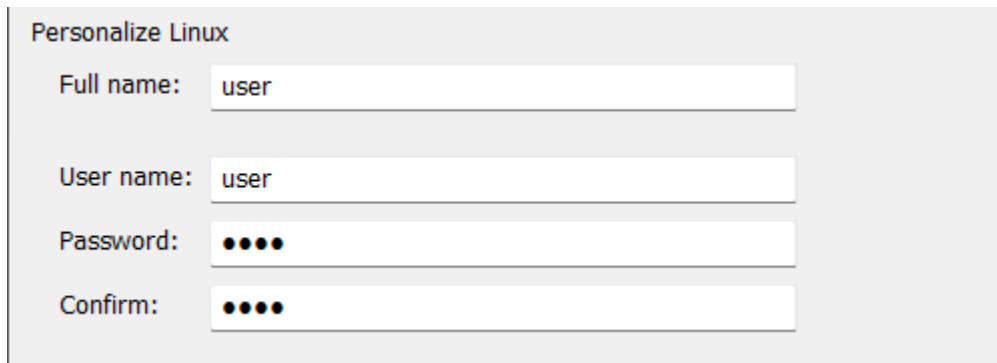
Ubuntu is an open source software operating system that runs from the desktop, to the cloud, to all your internet connected things.

 <https://ubuntu.com/download/desktop>

2. Open VMWare & Choose downloaded Ubuntu ISO.



3. Personalized VMWare user installation.



Personalize Linux

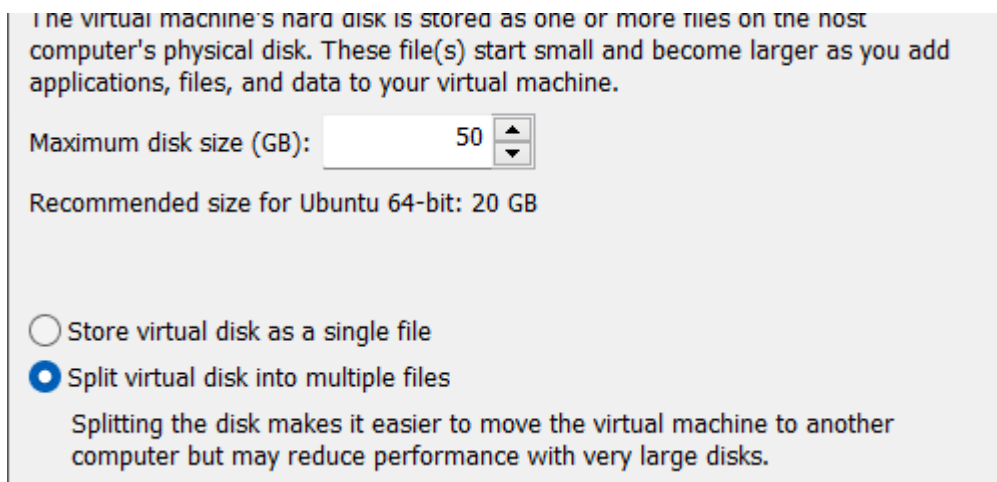
Full name: user

User name: user

Password: ●●●●

Confirm: ●●●●

4. Set disk size to >50GB & Split the disk into multiple files.



The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB): 50

Recommended size for Ubuntu 64-bit: 20 GB

☐ 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.

5. Set as default config & restart.
6. GUI Installation.
 - a. Keyboard layout : English US
 - b. Updates & other software : Minimal installation

Updates and other software

What apps would you like to install to start with?

☐ Normal installation

Web browser, utilities, office software, games, and media players.

☒ Minimal installation

Web browser and basic utilities.

Other options

☒ Download updates while installing Ubuntu

This saves time after installation.

☐ Install third-party software for graphics and Wi-Fi hardware and additional media formats

This software is subject to license terms included with its documentation. Some is proprietary.


c. Installation type : Erase disk and install Ubuntu.

d. Who are you ? (Section)

Your name: ✓

Your computer's name: ✓
The name it uses when it talks to other computers.

Pick a username: ✓

Choose a password:  **Short password**

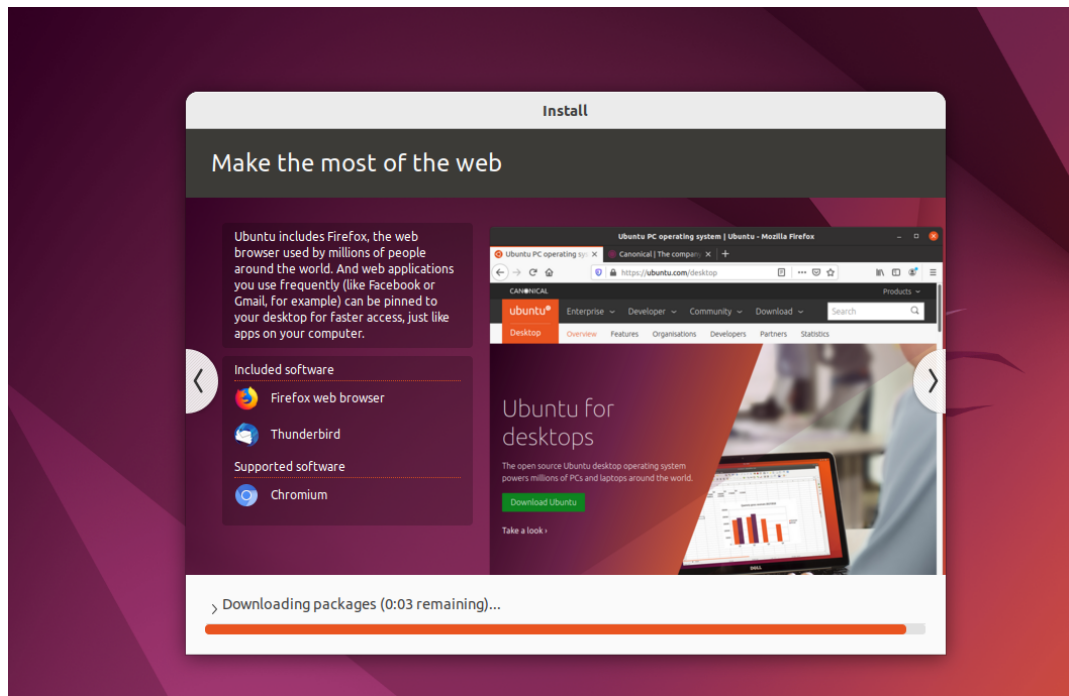
Confirm your password: ✓

☒ Log in automatically

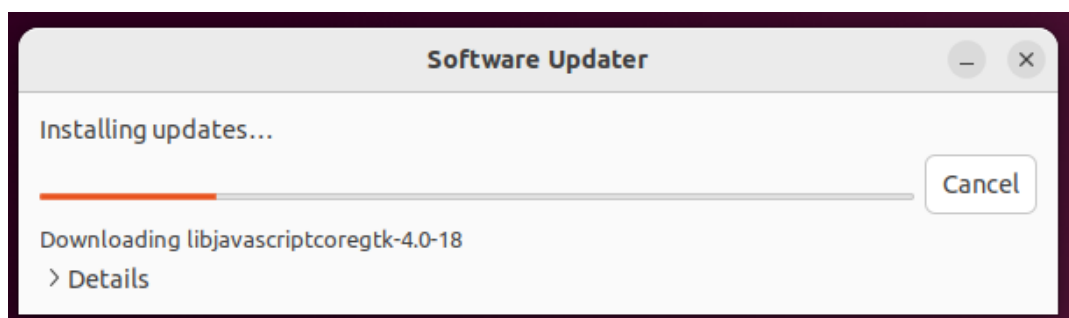
☐ Require my password to log in

☐ Use Active Directory
You'll enter domain and other details in the next step.

e. Wait until installation complete.



- f. Restart the machine after completed the installation process.
- g. Can skip all the online account configurations if feel unnecessary.
- h. Run software update as soon as installation process completed.



Packages Installation:

1. Prerequisites:

```
sudo apt-get update && sudo apt-get upgrade -y
sudo apt install gcc-arm-none-eabi -y
sudo apt install make -y
sudo apt install git -y
```

2. Kernel config packages:

```
sudo apt install libncurses-dev -y  
sudo apt install flex -y
```

3. Optional:

```
sudo apt install vim python3 python3-pip -y
```

Cloning Repo:

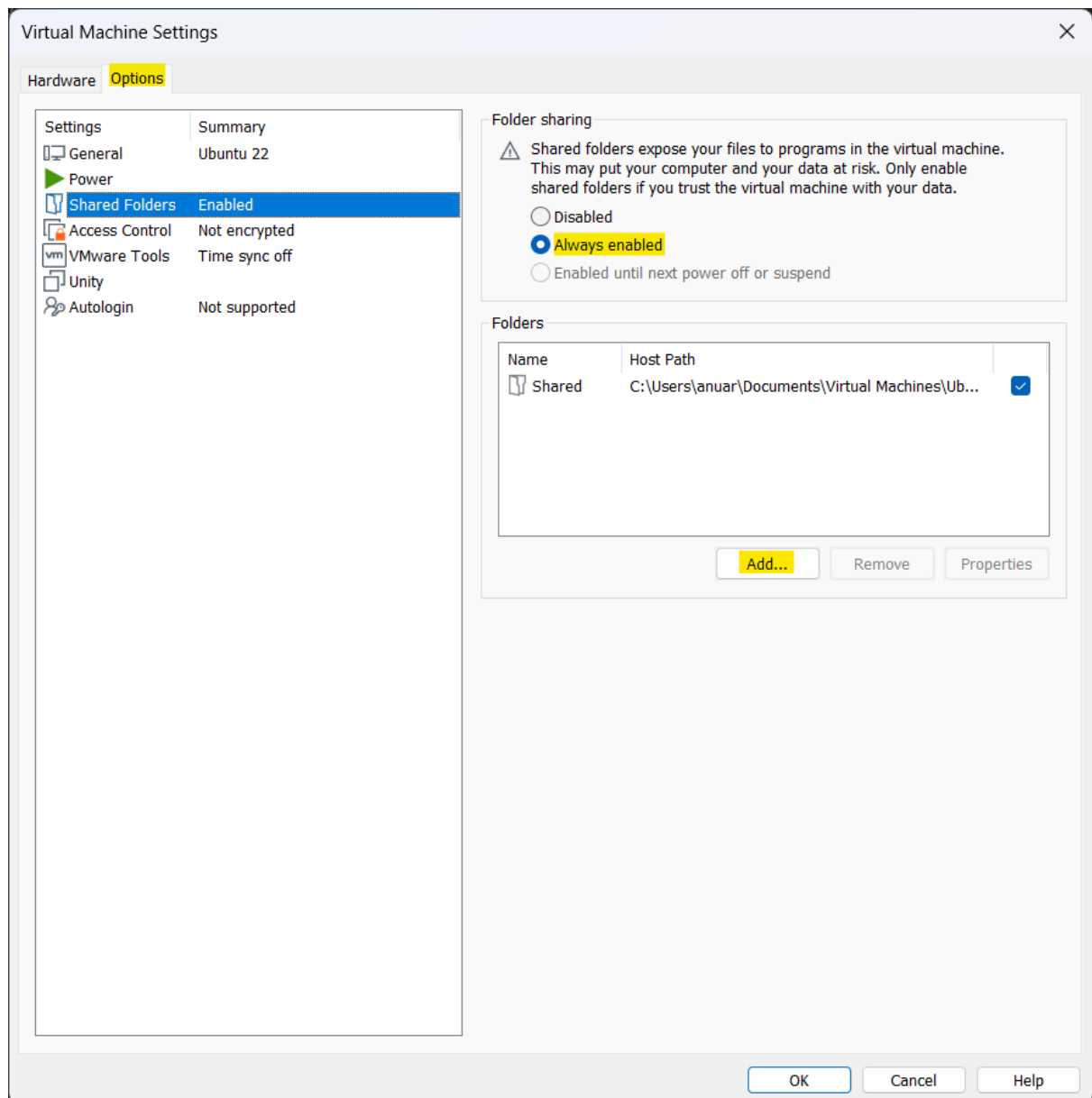
```
https://github.com/ambiot/ambd_sdk.git
```

```
git clone https://github.com/ambiot/ambd_sdk.git
```

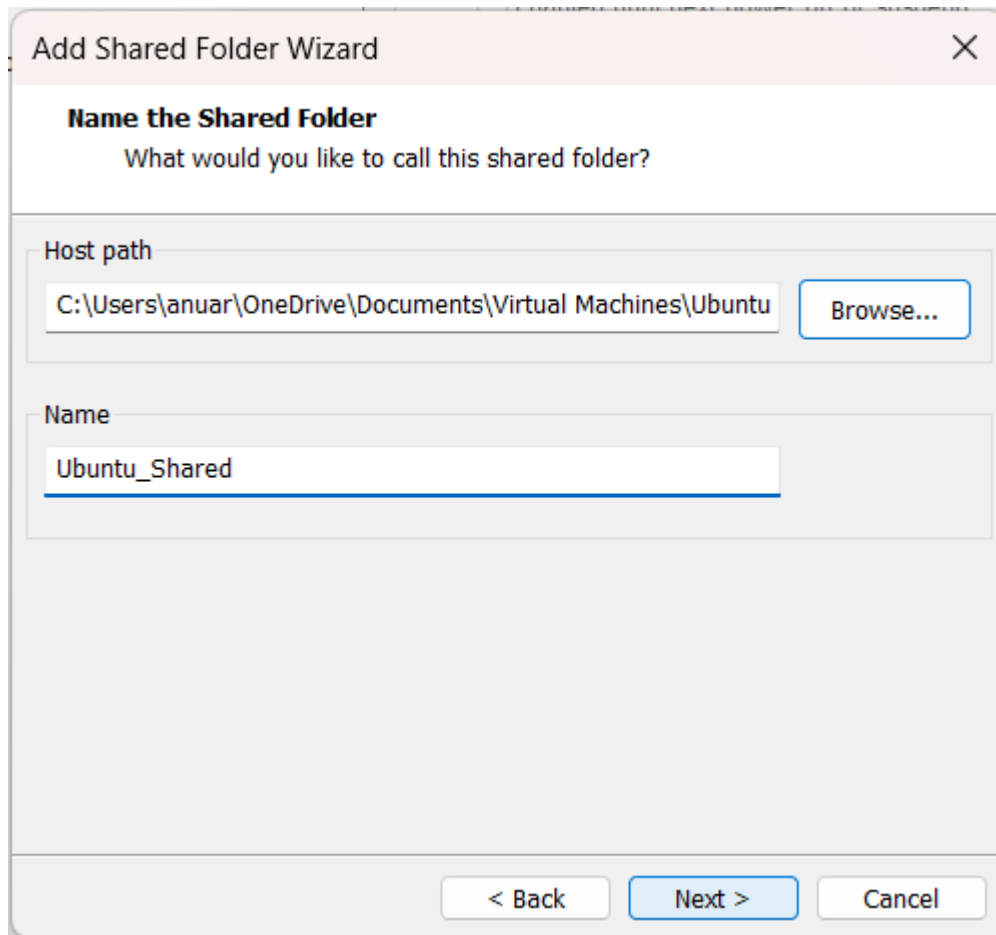
```
https://github.com/Ai-Thinker-Open/Ai-Thinker-LoRaWAN-Ra-08.git
```

```
git clone https://github.com/Ai-Thinker-Open/Ai-Thinker-LoRaWAN-Ra-08.git
```

Create Shared Directory:



VMWare Shared File Configuration.



- Software requirements may require installing the following beforehand:

```
sudo apt-get install open-vm-tools open-vm-tools-desktop
```

- Check shared folder:

```
vmware-hgfsclient
```

- Edit file system table to mount the folders on startup:

```
mkdir /mnt/hgfs

sudo vmhgfs-fuse .host:/ /mnt/hgfs/ -o allow_other -o uid=1000

nano /etc/fstab
.host:/      /mnt/hgfs/  fuse.vmhgfs-fuse  defaults,allow_other,uid=1000  0

mount -a
```

