

# Install Ubuntu 20.04 LTS on VirtualBox in Windows 11

- Download ISO file of Ubuntu

1. Search for Ubuntu and click on the link [Ubuntu.com](https://ubuntu.com), you have to choose Ubuntu 20.04, this is the latest version of Ubuntu which is released. You can see downloads tab here and when you click on the download tab you will see the Ubuntu server, click on the version which is available and most probably you might want to install the LTS version, LTS means the long-term support version which will at least run for two years. Click on the download button and the ISO file will be downloaded on your Windows operating system, this file is around 1.2 GB.

```
This PC > Downloads
ubuntu-20.04.3-live-server-amd64(2).iso          1 231 808 KB
```

Now you are ready to install Ubuntu on your Virtualbox, so on your Virtualbox you just need to click on the *New* button, here you can provide the name of new machine so my new machine name is Ubuntu 20.04 and I am going to just write Ubuntu 20.04 here and the type here is Linux and the version here is Ubuntu 64-bit because you have downloaded the 64-bit ISO file.

```
Name: Ubuntu 20.40
Machine folder: C:\Users\46704\VirtualBox VMs
Type: Linux
Version: (Ubuntu 64-bit)
```

Then click on next and here in the memory size I generally leave it as one GB, whatever is allowed on your Windows operating system and click on next and leave everything as default and click on create button. Now here hard disk file type just leave it as VDI which is *Virtualbox disk image* and then click on next. Here also you just need to leave this as *dynamically allocated*, basically dynamically allocated option will allow your Ubuntu operating system to expand the disk size if required and fix size is the fixed size and now click on next, on the next window you can choose the file location, this will be the location where your Ubuntu operating system files will be downloaded and installed on your Windows operating system so if you don't have the good reason to change it just leave it as default also you can choose the virtual hard disk size (By default it's 10GB). I would just want to increase it to 40 GB and then click on create.

###

Once you created this machine you will be able to see this here. Select this machine (Ubuntu 20.04) and don't press on the start button yet and then click on the settings.

###

On the general settings you will see some options which we have already chosen at the time of creating this machine:

```
Name: Ubuntu 20.40
Type: Linux
Version: (Ubuntu 64-bit)
```

Now just go to the system option here, and in the *Motherboard* option you can leave everything as default, you just need to go to the *Processors* and by default Virtualbox will allocate one CPU to your machine so if you have the option you can increase it to whatever CPU that you want to use. For the safer side i always go up to this green mark.

###

In the *Display* settings just leave everything as default and then move to the *Storage* section, here you need to provide the location of your ISO file wherever you have downloaded your Ubuntu ISO file, so you just need to click on the empty option so just click on *Empty* under the controller and then choose the CD icon option here and then click on *choose a disk file* and then you just need to browse to the location where you have downloaded your Ubuntu ISO file, click on the Ubuntu Iso file and then click on open. You will see the name of your ISO file under *controller:DE* and make sure to click on *live CD/DVD* and then leave everything as default and click on Ok.

###

Once you have done all those settings you are ready to start your Ubuntu installation. Select Ubuntu 20.04 and click on start button here, you can see the installation of Ubuntu is going to start in a few seconds and then you will see the window that you can choose the language in which you want to install Ubuntu. I am going to click here on *view* and then i am going to head over to *Virtual screen 1* and i am going to select 125% so i can zoom into the Virtualbox and have a better view of the operating system. After you choose the language in the next screen we need to select if we want to continue with updates or we want to continue without updates, so i'm going to select the default which is a second one *Continue without updating*. In the next screen we need to select the keyboard layout, so i'm going to choose Swedish layout.

###

In the next screen notice that we have the ethernet network interface configuration which is *enp0s3* and the IP address is 10.0.2.15, yours might be different depending on type of network you selected, so i am going to click Done.

###

In the next screen you need to enter a web proxy, now i am not using any web proxy so i'm going to leave it as default empty and press done.

###

In the next screen we need to enter an alternative mirror for our Ubuntu installation, and i will leave it as a default and going to go ahead and press done again.

###

In the next section we are going to partition and format the hard drive, so here we have the option to use the entire disk which is what i want to do in order to install the Ubuntu server and also we have the option to select whether we want to set our disk as *LVM* with logical volumes, but i'm going to leave as a default, so i'm going to press Tab until i reach to the end and press done.

###

In the next screen we can review our current storage configuration so notice that we are using the entire disk 40GB and the file system is extension 4, also we have two different partitions and the first partition it's only 1M and that's where our group

bootloader is going to be installed, and then we have the *Root* partition which is 39.9 GB and that's where the installation of Ubuntu is going to be, then press done.

###

The next screen is asking me for confirmation if i want to continue and make those changes permanent, so i am going to press continue.

###

In the next section we need to enter our user credentials, so i'm going to give my username a name of arash afazeli and make sure you remember the username and your password. In the next box i'm going to enter the name of my server, and then you have to choose username and password, then click on done.

###

In the next step is asking me whether or not i want to install *OpenSSH server*. Open ssh server is a remote terminal that we can use to remotely manage our server, so i'm going to press Spacebar to select Install OpenSSH server, then i am going to press Tab twice until i reach the bottom and press done.

###

In the last screen we can select all the extra packages that we want to install during the installation of Ubuntu server. For now i am not going to select any extra packages, so i'm going to press Tab and press done. Now you have to let the installation finish. Once the installation is complete then we have the option to *cancel, update and reboot* so i'm going to select reboot and press enter. At this point we need to remove the installation media so click on *Machine* from the top of screen and then click on *Settings* and then *Storage* and now you have to click on installation media optical drive, click on the drop down menu and remove disk, also uncheck *Live CD/DVD* and click OK, and finally press enter on your screen and at this point the system is rebooting and so we have arrived at the login prompt.

###

In this section you have to enter your username and password to login to the Ubuntu operating system.