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# Installation Guide

OpenBosniana OS

Nov 28, 2024



## DOWNLOAD

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This guide will help you download the right ISO image, create your bootable media and install OpenBosniana OS on your computer.



## CHOOSE THE RIGHT EDITION

You can download OpenBosniana OS from the [OpenBosniana OS website](#).

Read more about the available versions below.

### 1.1 KDE Plasma, Xfce or Mate?

OpenBosniana OS comes in 3 different versions, each with a different desktop environment.

KDE	Plasma is a modern desktop environment that adapts to your needs and offers a beautiful and user-friendly interface
Xfce	Stable and lightweight desktop environment
MATE	Intuitive and attractive traditional desktop environment

The main focus of OpenBosniana OS is the KDE Plasma edition.

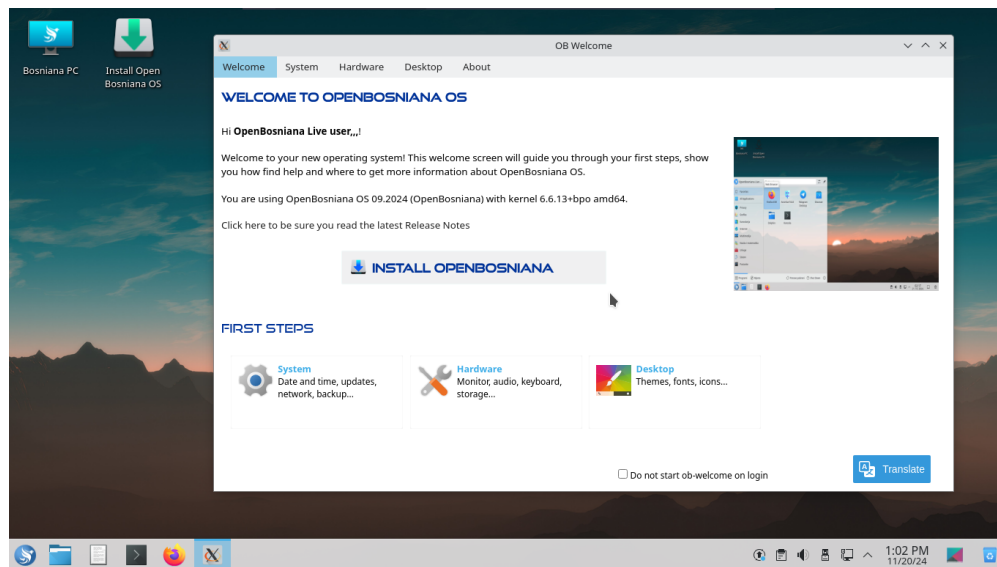


Fig. 1: OpenBosniana OS HOME KDE

The EDUCATION and HOME versions are available with the KDE Plasma desktop environment.

Although some editions offer more features and better support than others, and some are faster and consume fewer resources, all of them are excellent alternatives.

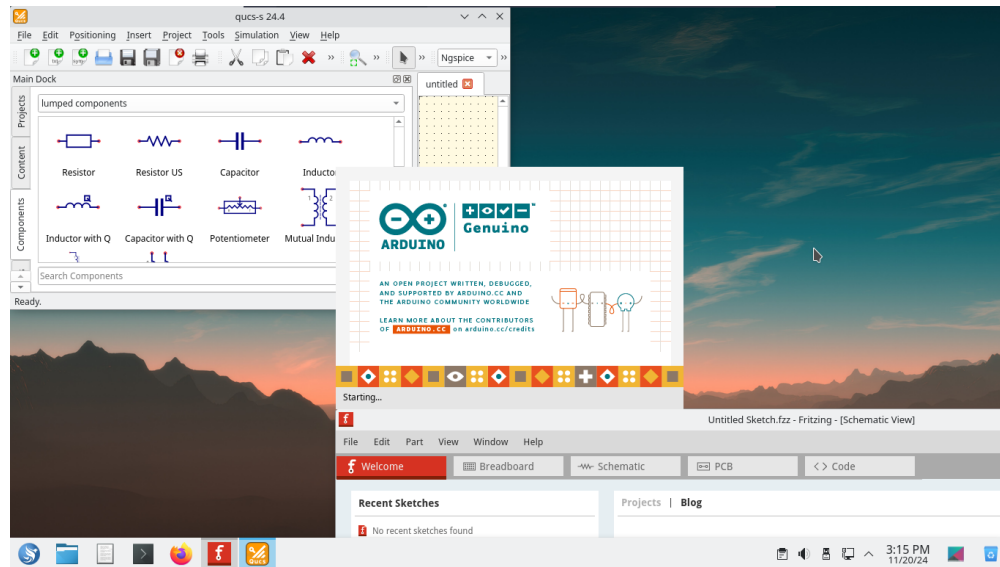


Fig. 2: OpenBosnia OS EDU KDE

Choosing the right edition largely comes down to personal preference.

Beyond their specific features and performance, KDE Plasma, Xfce, and MATE represent three distinct desktop environments, each with its own menu system, panels, and configuration tools.

The best choice for you is the one that feels most comfortable—like home.

If you're unsure which desktop to pick, start with the KDE Plasma edition for a balanced and modern experience.



## VERIFY YOUR ISO IMAGE

It is crucial to verify the integrity and authenticity of your ISO image. Integrity verification ensures that your ISO image was downloaded correctly and that your local file is an exact copy of the file available on the download servers.

Errors during the download process can result in a corrupted file, potentially causing unexpected issues during installation.

Authenticity verification confirms that the ISO image you downloaded is signed by OpenBosniana OS, ensuring it has not been modified or replaced with a malicious copy created by someone else.

### 2.1 Download the SHA256 and MD5 sums provided by OpenBosniana OS

Download the file `openbosniana.sha256sum` from the same location where you downloaded the ISO image.

Do not modify it in any way.

### 2.2 Integrity check

To verify the integrity of the downloaded ISO file, generate its SHA256 hash and compare it to the hash found in it `openbosniana.sha256sum`.

```
sha256sum -b OpenBosniana-*-*-*_amd64.iso
```

If the sums match, your ISO image was successfully downloaded. If they don't, download it again.



## CREATE THE BOOTABLE MEDIA

The easiest way to install OpenBosniana OS is with a USB stick.

If you cannot boot from USB, you can use a blank DVD.

### 3.1 How to make a bootable USB stick

#### 3.1.1 In OpenBosniana OS, Windows, Mac OS, or other Linux distributions

Download [Etcher](#), install it and run it.

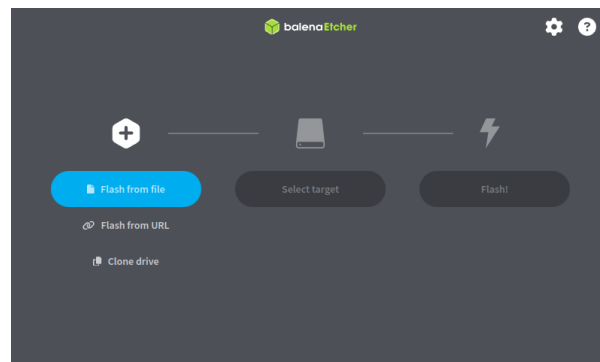


Fig. 1: Using Etcher

Click *Select image* and select your ISO file.

Click *Select drive* and select your USB stick.

Click *Flash!*.

### 3.2 How to make a bootable DVD

Optical discs are slow and burning to disc is prone to errors.

**Note**

To prevent issues, burn at the lowest possible speed.

### Warning

Burn the content of the ISO onto the DVD, not the ISO file itself. When finished, your DVD should contain directories such as `boot` and `isolinux`, EFI it shouldn't be an empty DVD containing an `.iso` file.

### 3.2.1 In Linux

Install and use `xfburn`.

### 3.2.2 In Windows

Right-click the ISO file and select *Burn disk image*.

To make sure the ISO was burned without any errors, select *Verify disc after burning*.

### 3.2.3 In Mac OS

Right-click the ISO file and select *Burn Disk Image to Disc*.

## BOOT OPENBOSNIANA OS

Now that you have OpenBosniana OS on a USB stick (or DVD) boot the computer from it.

1. Insert your USB stick (or DVD) into the computer.
2. Restart the computer.
3. Before your computer boots your current operating system (Windows, Mac, Linux) you should see your BIOS loading screen. Check the screen or your computer's documentation to know which key to press and instruct your computer to boot on USB (or DVD).

### Note

Most BIOS have a special key you can press to select the boot device and all of them have a special key to enter the BIOS configuration screen (from which you can define the boot order). Depending on the BIOS, these special keys can be Escape, F1, F2, F8, F10, F11, F12, or Delete. That information is usually briefly written on the screen during the boot sequence.

### Hint

On Macs, keep your finger pressed on the Alt or Option key after hearing the boot sound.

4. The OpenBosniana OS ISO can be booted both in EFI or BIOS mode. In EFI mode it shows a grub menu. In BIOS mode it shows an isolinux menu.
5. From one of these menu, press Enter to start OpenBosniana OS from your USB stick (or DVD).

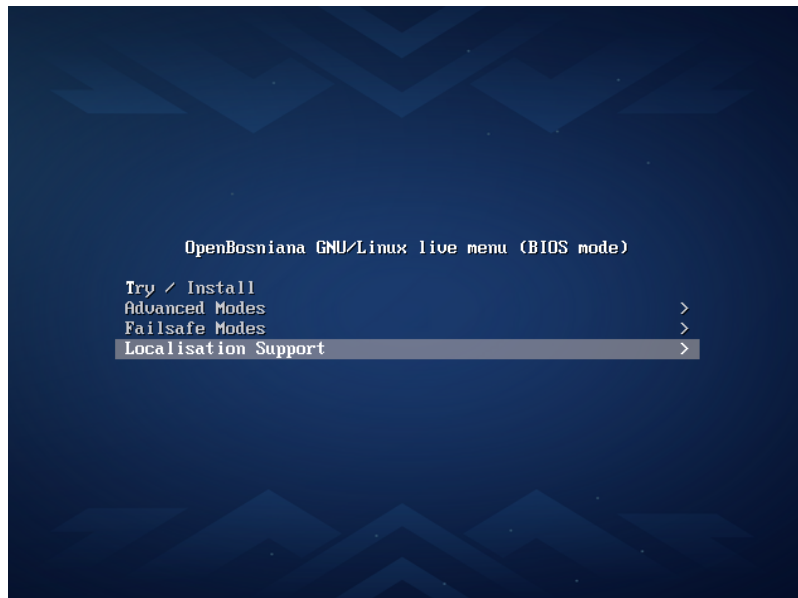


Fig. 1: The isolinux menu in BIOS mode

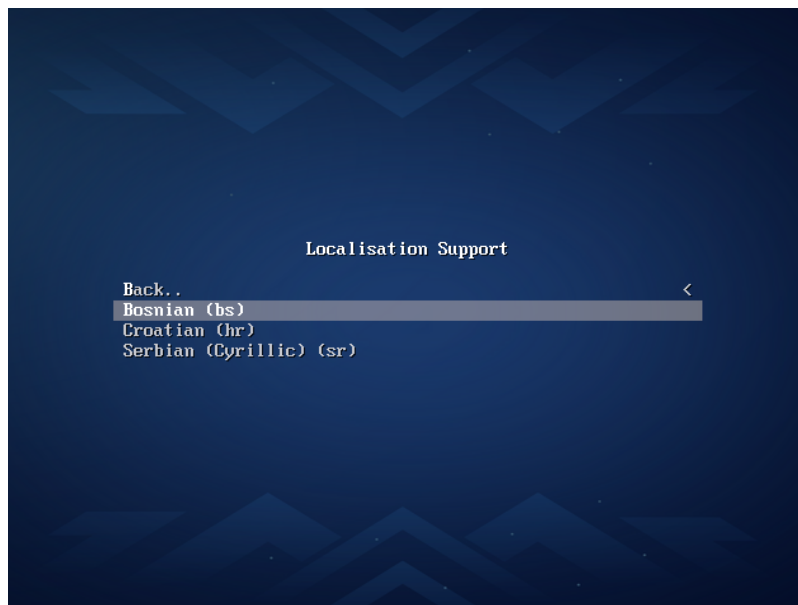


Fig. 2: Localisation support

## INSTALL OPENBOSNIANA OS

### 5.1 The live session

When you boot the computer from the USB stick (or DVD), OpenBosniana OS starts a **live session**. It logs you in automatically as a user called **user** and shows you a desktop with the installer on it:

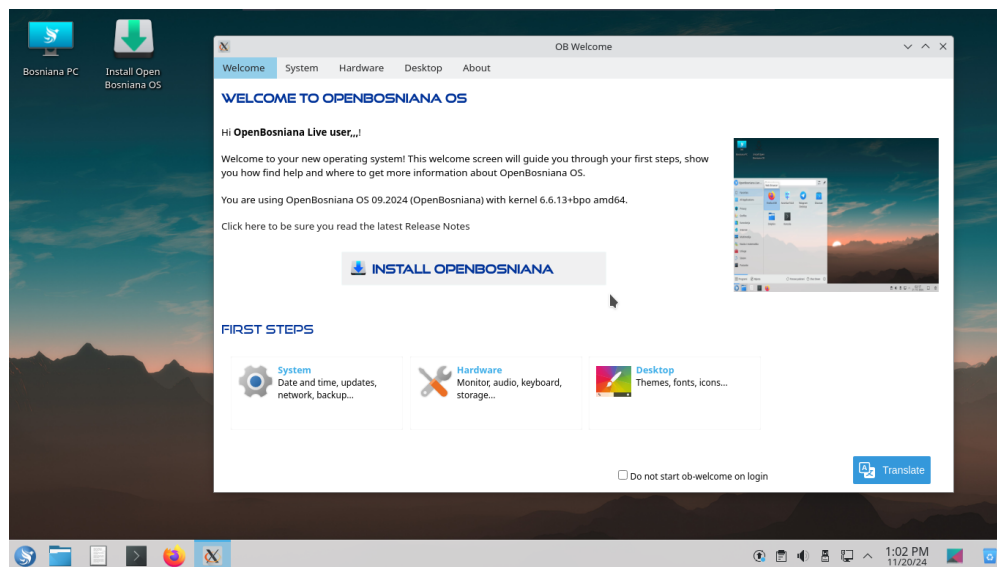


Fig. 1: The OpenBosniana OS live session

The **live session** is similar to a normal session (i.e. to OpenBosniana OS once it is permanently installed on the computer), but with the following exceptions:

- The Live session is slower (it is loaded from a USB stick or DVD as opposed to a SSD or HDD).
- Changes you make in the live session are not permanent. They are not written to the USB stick (or DVD) and they do not impact the system installed by the installer.
- Some applications work differently in the live session.

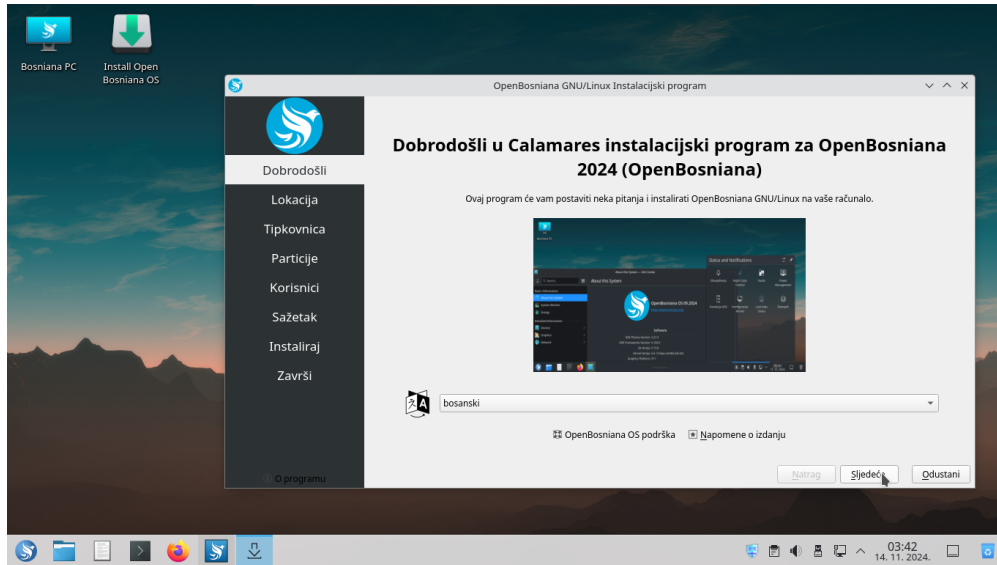
 **Hint**

The username for the live session is **user**. Default password for live user and root is **openbosniana**.

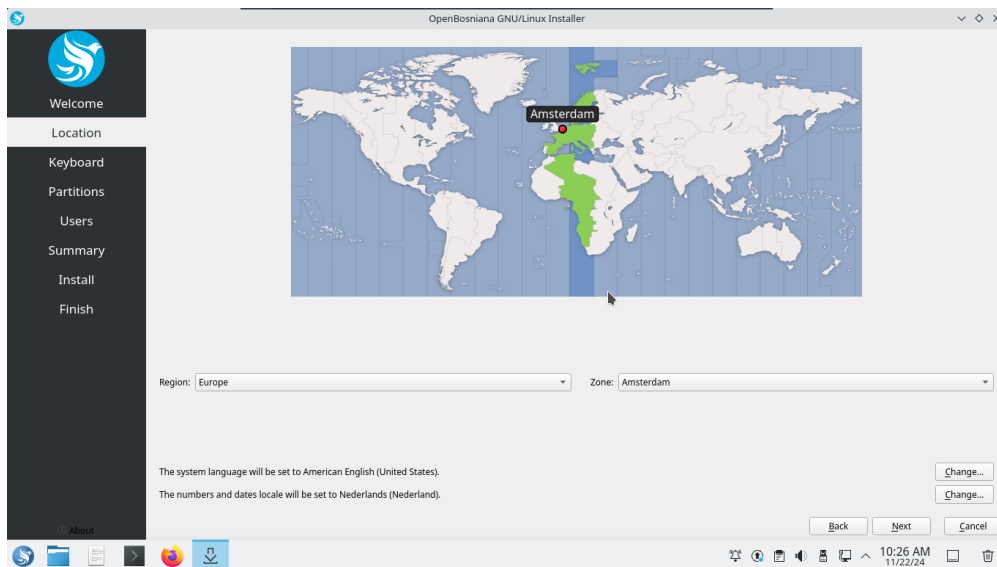
### 5.2 Installing OpenBosniana OS on the computer

To permanently install OpenBosniana OS on your computer:

1. Double-click *Install OpenBosniana OS*.
2. Select Your Language.



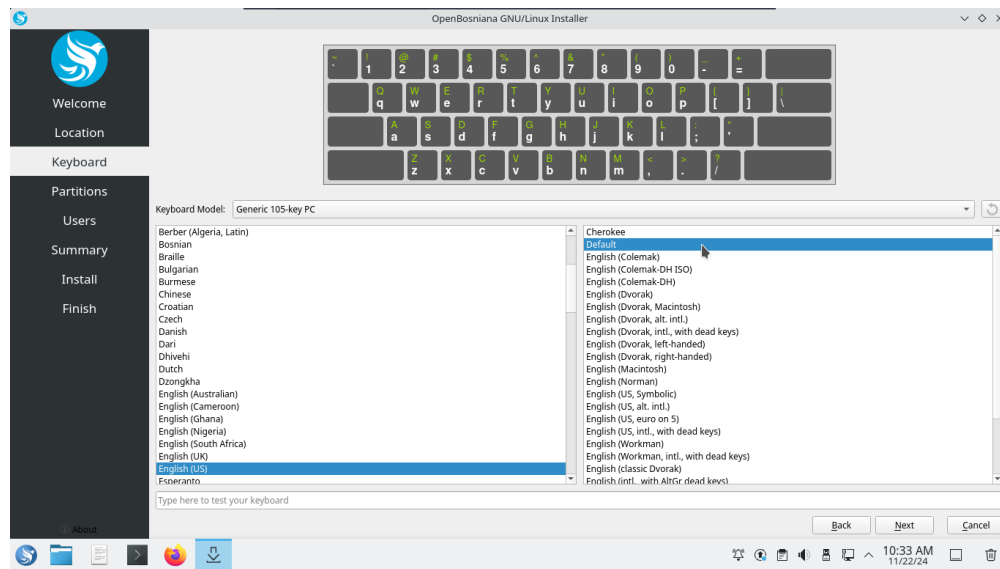
#### 3. Selecting Your Location



The next screen will show you a map of the world where you can choose your location. Your location will be used to set your time zone and download server. To see what region you have chosen use the *Region* drop down menu. The *Zone* field should have a major city with the same time as you. If you want to get to the your time zone manually faster you can type in the name of a big city in the same time zone. Towards the bottom you can to change your system language by pressing the upper *Change* button. To change the how numbers and dates appear on your system press the lower *Change* button. To switch certain keys on your keyboard use the *Switch Keyboard* drop down. To move to the next step once again press the *Next* button. To move back to selecting your language to change your language press the *Back* button.



#### 4. Selecting Keyboard Layout



Next select your keyboard layout, you can check your keyboard matches the keyboard shown picture shown. The *Keyboard Model* menu lets you choose different variants, the left column lets you change language, and the right column gets different variants. At the bottom you can type to make sure your layout is correct. To test your keyboard is working type in *Type here to test your keyboard* field. When you have selected your keyboard layout press the *Next* button to move on. To view a preview of what this keyboard layout looks like look at the top of the window.

#### 5. Setting Up Partitions

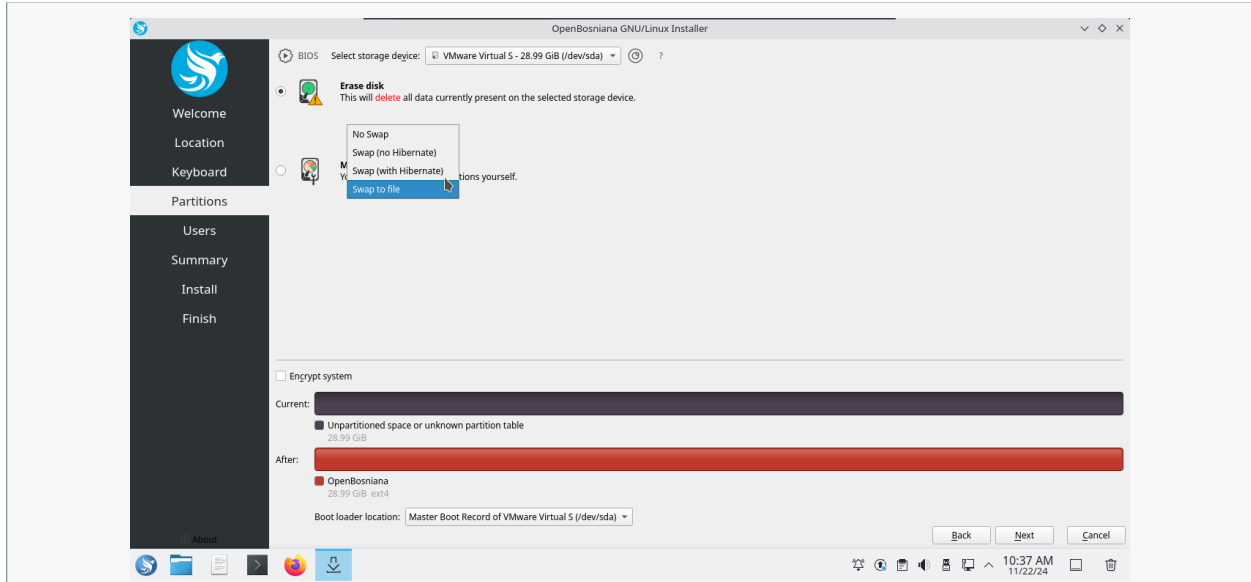
If all you want is OpenBosniana OS on your machine, you can select the *Erase disk* button. This will format the disk and **delete all data on the disk**, which is why having your data backed up before this point is extremely important.

If another operating system is present on the computer, the installer shows you an option to install OpenBosniana OS alongside it. If you choose this option, the installer automatically resizes your existing operating system, makes room and installs OpenBosniana OS beside it. A boot menu is set up to choose between the two operating systems each time you start your computer.

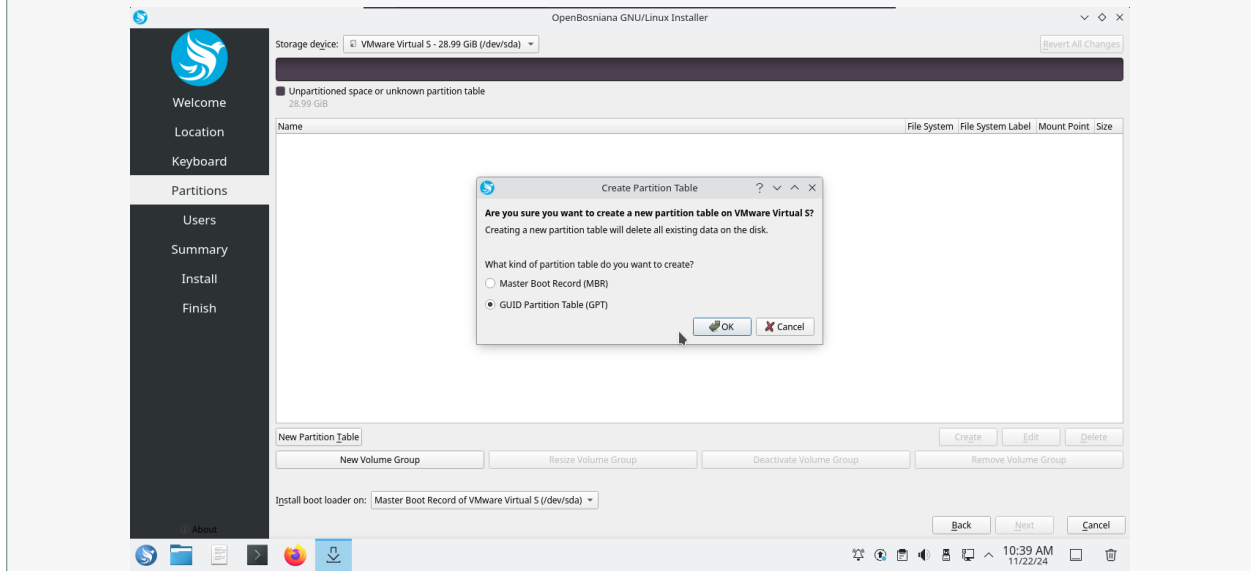
If you choose to do this you can continue on to user setup. To change the storage device to install OpenBosniana OS on use the *Select Storage device* drop down menu. To see whether you are installing in uefi or bios mode is shown in the top left corner of this window. To choose to use a swap file under *Erase disk* keep *Swap to file* or to not use swap choose *No Swap*. To choose which filesystem to use the drop down on the right to choose which filesystem you want to use. If you want to encrypt your drive press the *Encrypt system* checkbox and then you will need to enter the encryption passphrase twice to make sure you have it typed in correctly. It is strongly advised to write down this passphrase and keep it somewhere safe.

#### **Note**

If you want to manage the partitions or specify which partitions to use, select *Something else*.



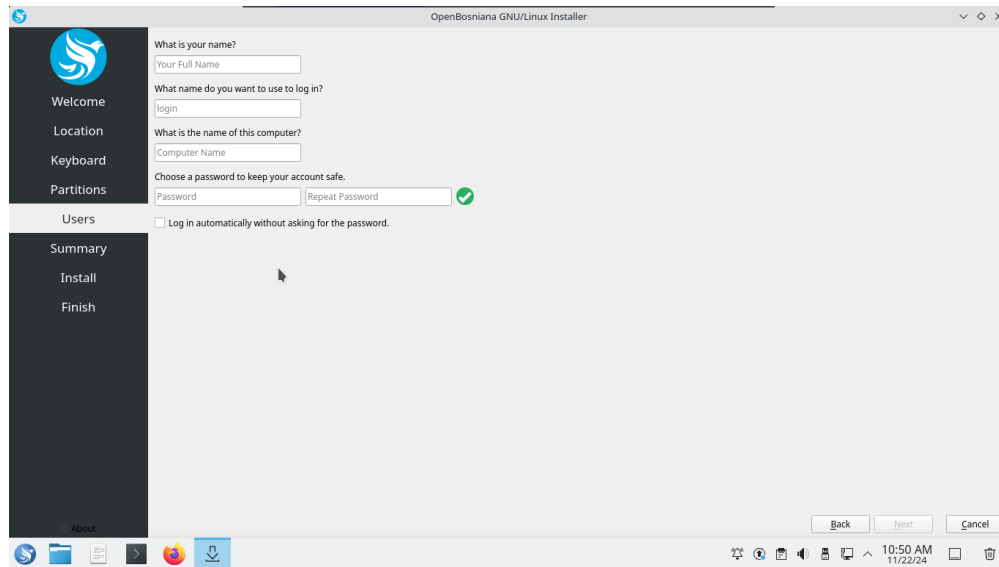
OpenBosniana OS requires one partition to be mounted on the root / directory.



Also create a swap partition. This partition is used for hibernation and as a safety buffer in case your computer runs out of RAM. Give this partition a size equal to the amount of RAM in your computer.

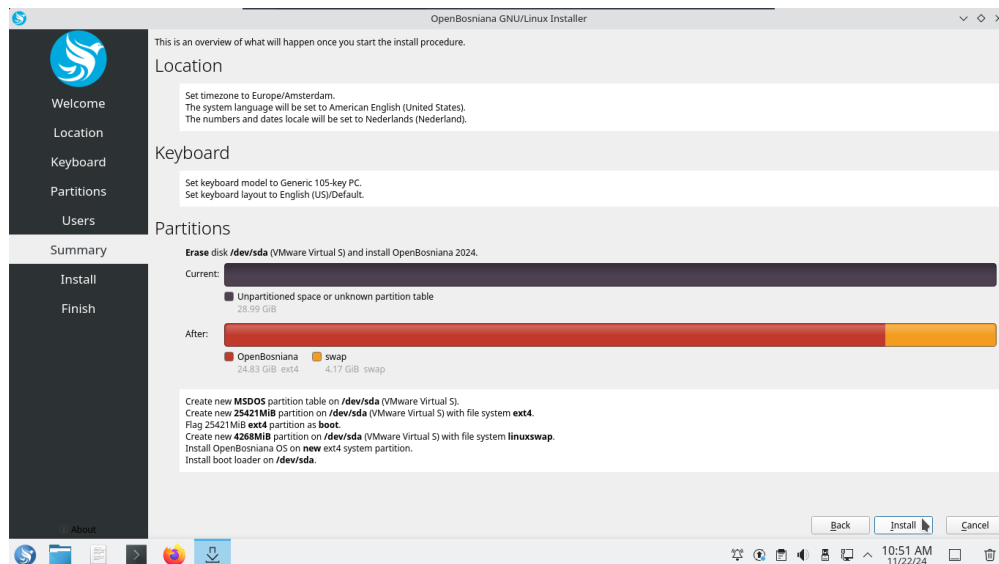
## 6. User Setup

The user setup section creates a user profile, consisting of typing your name into the *What is your name?* field. Next type your username in the *What name do you want to use to log in?* Put what you want your hostname of your computer to be in the *what is the name of this computer?* field. The last thing you need to enter is your password in the *Choose a password to keep your account safe.* Enter your password twice to make sure you have not mistyped it. If a name can actually be used as a username or hostname a green checkmark will appear to the right of it if you cannot a red x will appear. Pressing the *Next* button will give you a summary screen, showing you the settings before the install begins. Once you have checked the summary click the *Install* button to begin the installation.



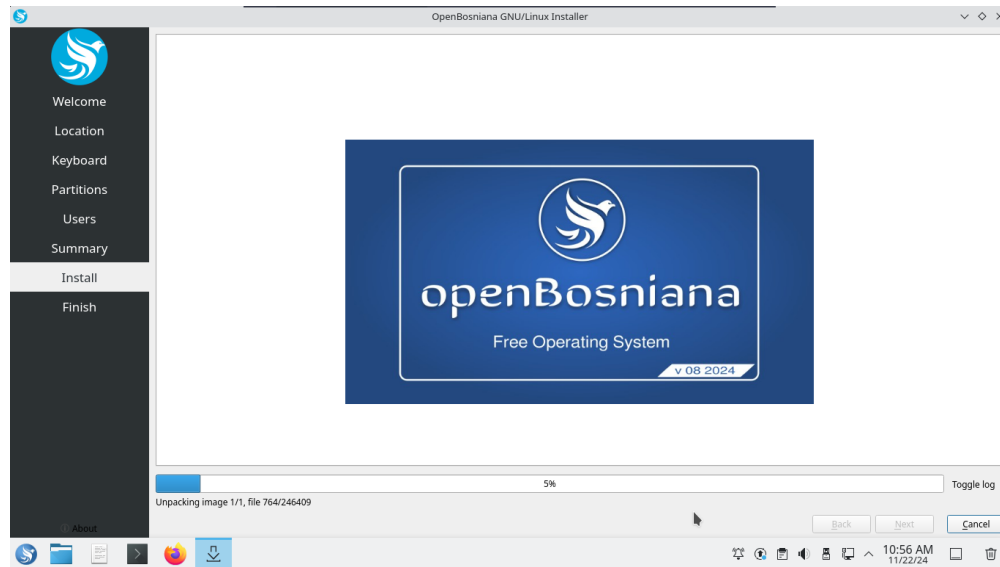
## 7. The Summary

The summary screen shows what settings will be installed and you can double check everything is how you want it. After pressing the *Install* button a dialog will pop up to confirm installation. To actually install press the *Install now* button. To not start installing and go back press the *Go back* button.



## 8. The Install

The OpenBosniana OS installer provides some useful information while the installer is running. On the bottom of the window is a progress bar. On the right end of the progress bar is the percentage of the installation complete. To see command line output of the install press the *Magnifying glass* button. Once OpenBosniana OS is installed you have a checkbox *Reboot now* after your OpenBosniana OS is installed and is now finished. There is a slideshow while you install and to move to the next slide left click and to move to the previous slide right click.



### 5.3 Rebooting into the finished install

After the install is finished you will need to reboot your system into your new install. If you want to continue using the live system but end the installer uncheck the *Reboot now* checkbox. To close the installer press the *Done* button. After this your computer will reboot and you should remove your install media.