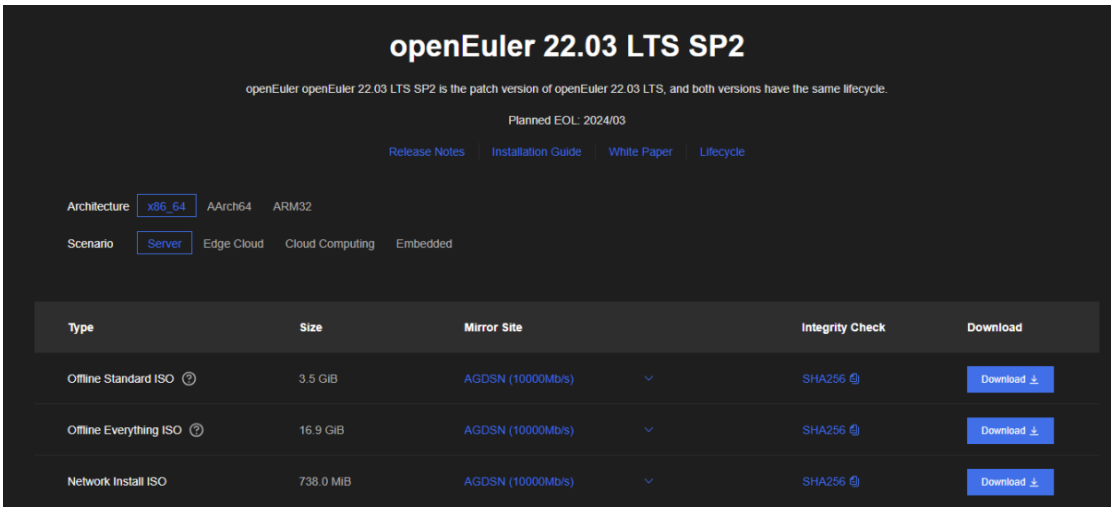
Requirements

To carry out the tasks described in this tutorial, you need a 64-bit virtual machine in Virtual Box or Vmware.

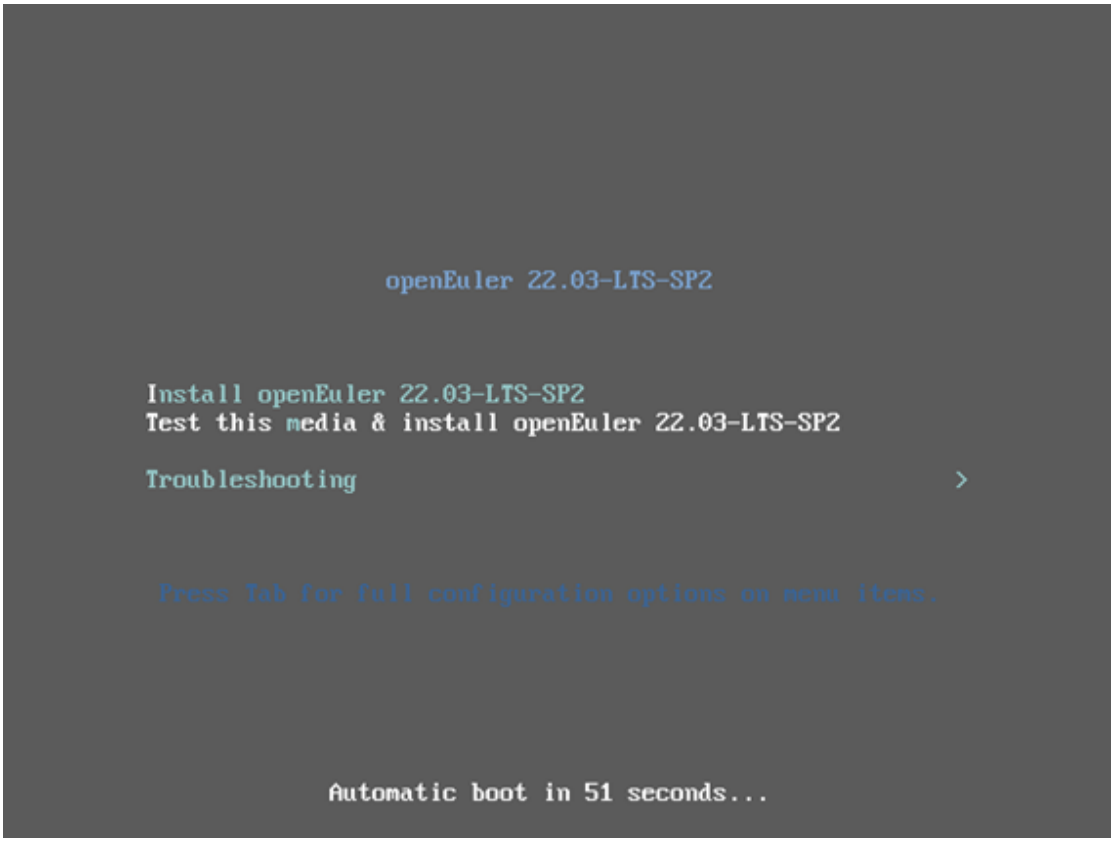
Step 1: Download openEuler

1. Go to the following page: https://www.openeuler.org/en/download/
2. Select Arquitecture "x86_64"
3. Select Scenario "Server"
4. And choose the option Offline Everything ISO to download



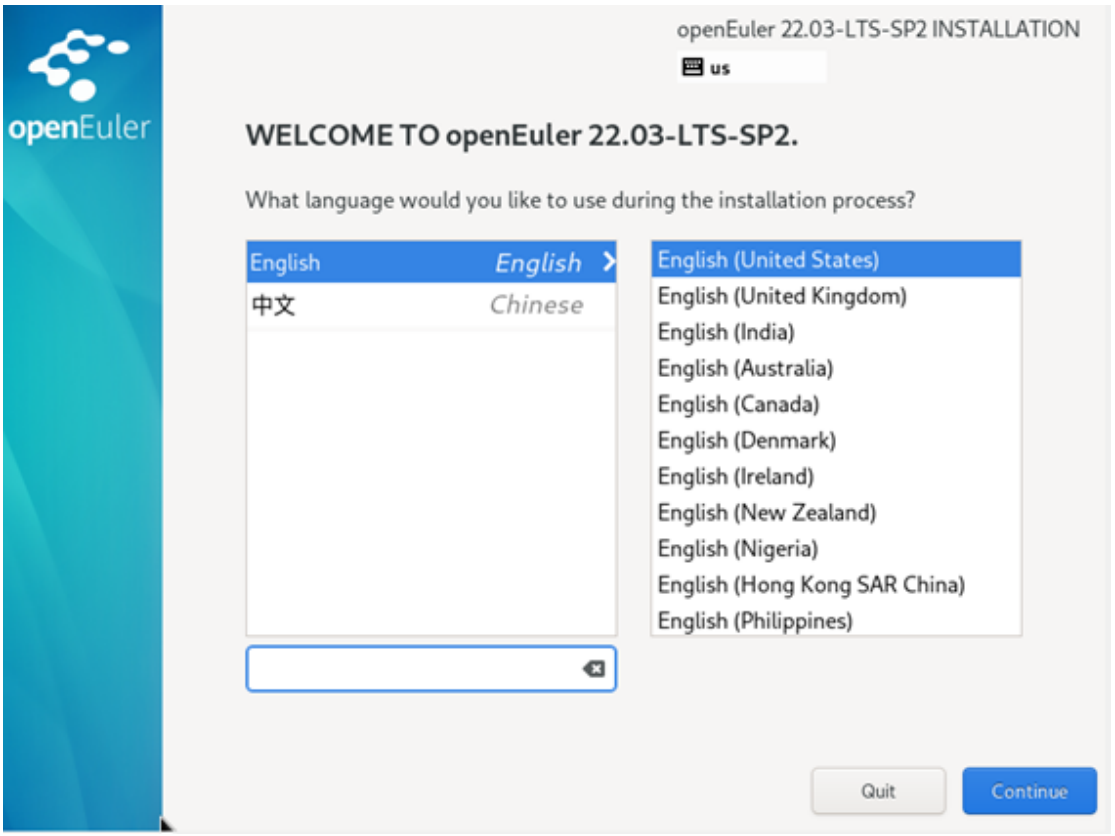
Step 2: Installing openEuler

1 . OpenVirtualBox or VmWare and start your created virtual machine, don't forget to load t he ISO just downloaded before.
You should get an screen like the below

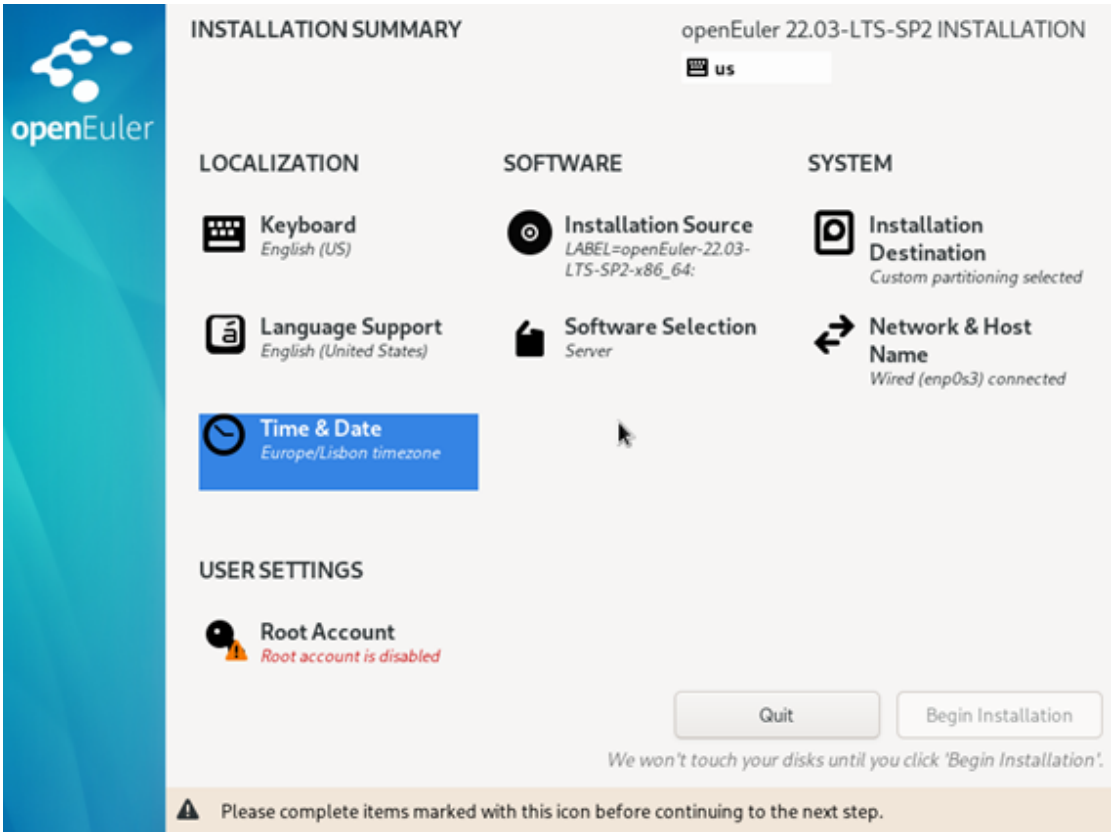


2 . Use the "arrow keys" on your keyboard to select the "Install openEuler 22.03-LTS-SP2" option, then press "Enter".

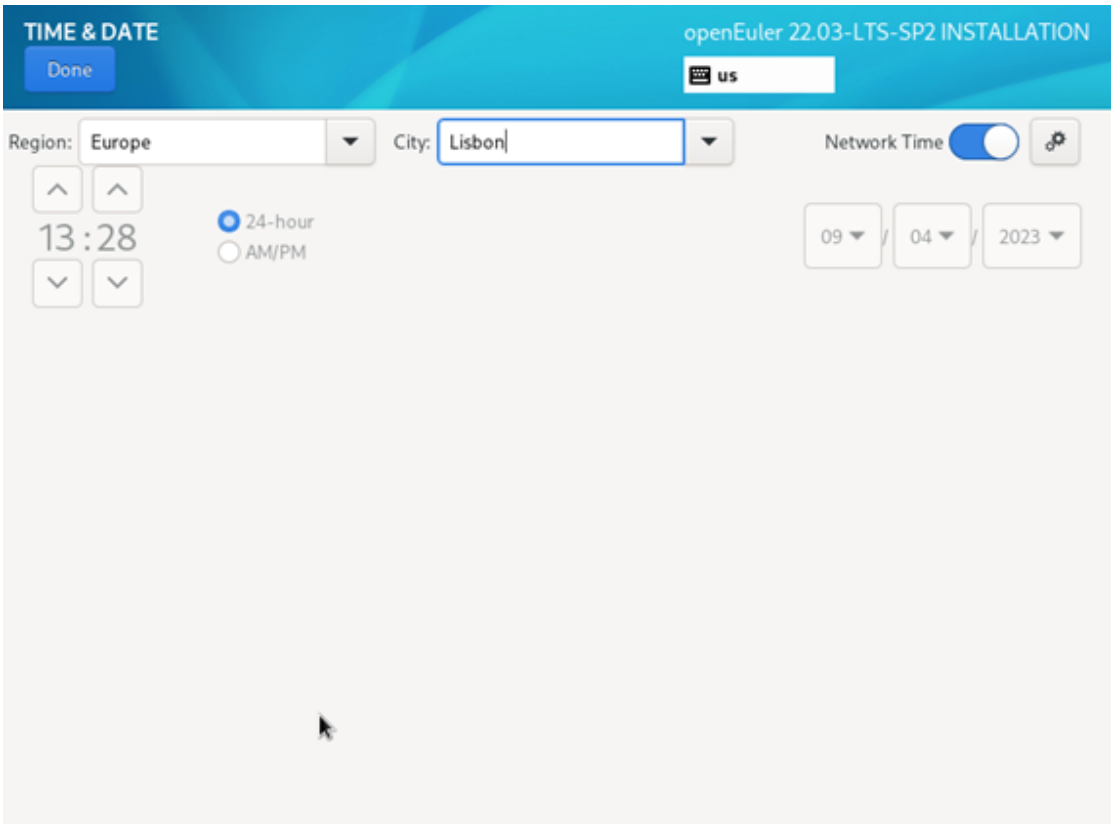
3. Change the language to be used in the installation process. If you wish, consider the de fault values and click the "Continue" button.



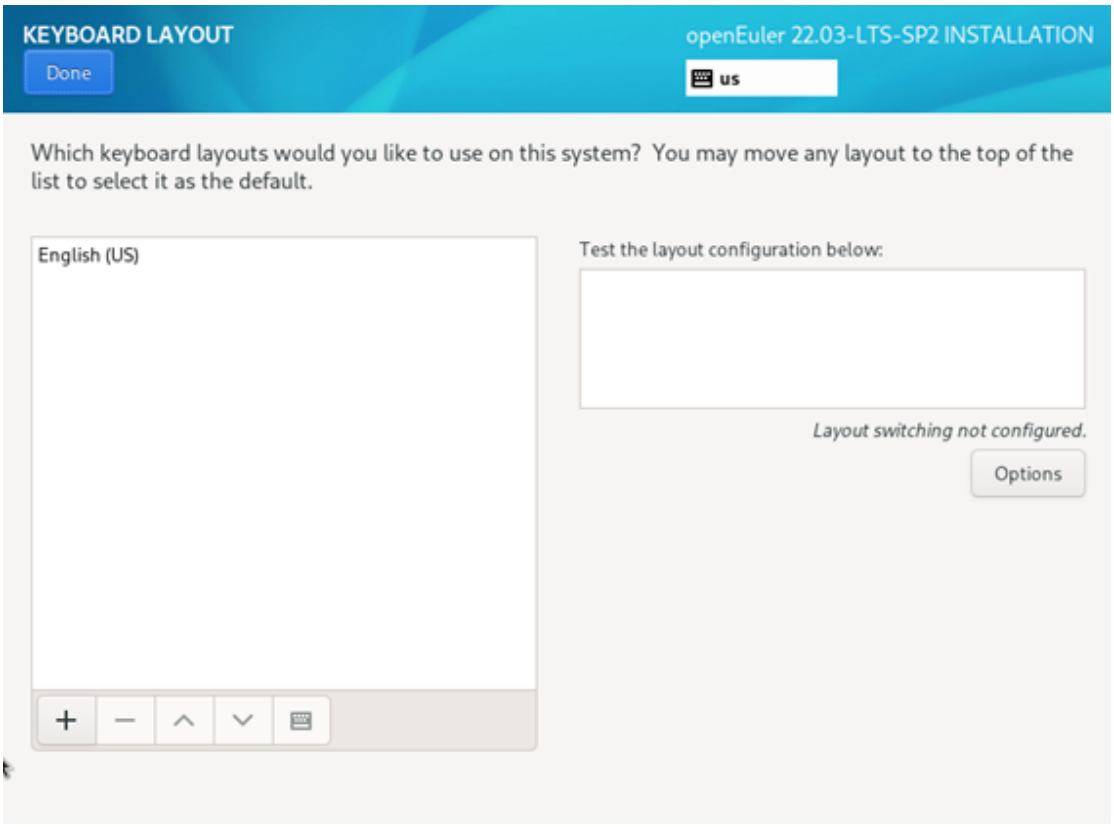
4. After that you should get an screen like the image below.



5. The image below shows the following configuration, if necessary change it to the desired one (continued below):
Date & Time: <Choose your location date and time>

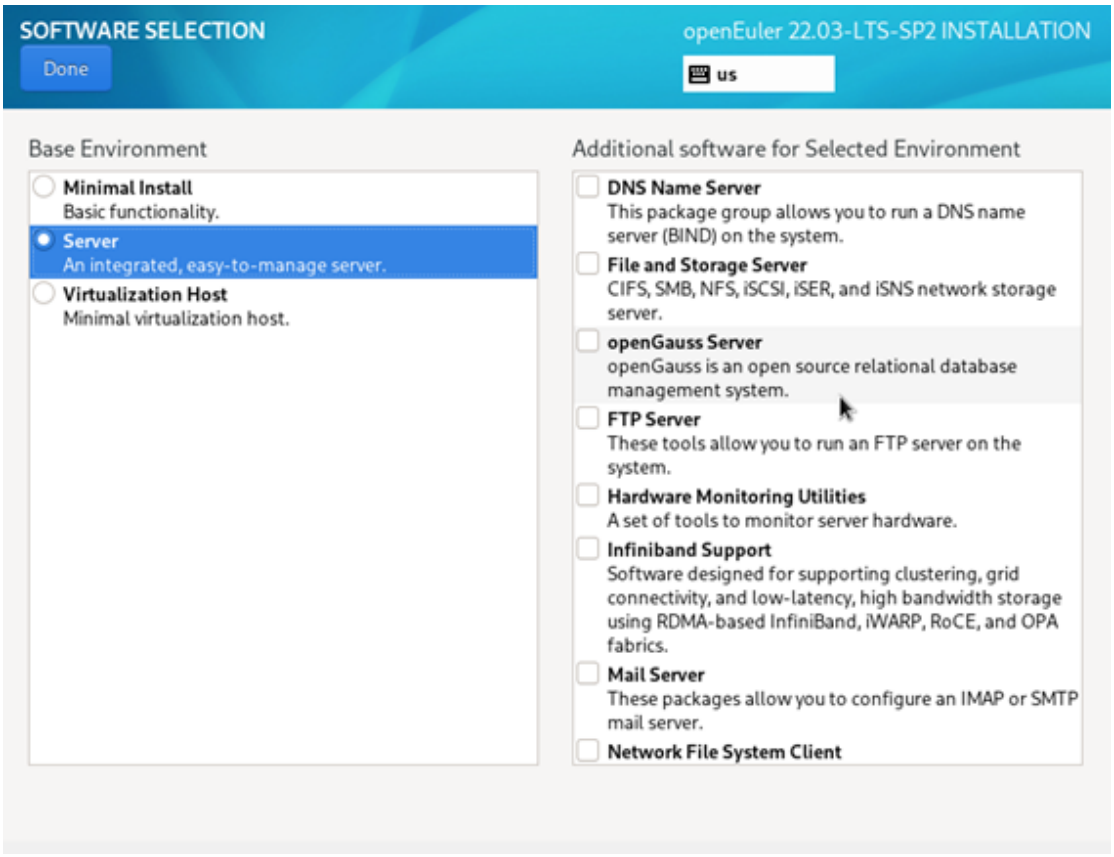


Keyboard: <Chosse you keyboard layout>



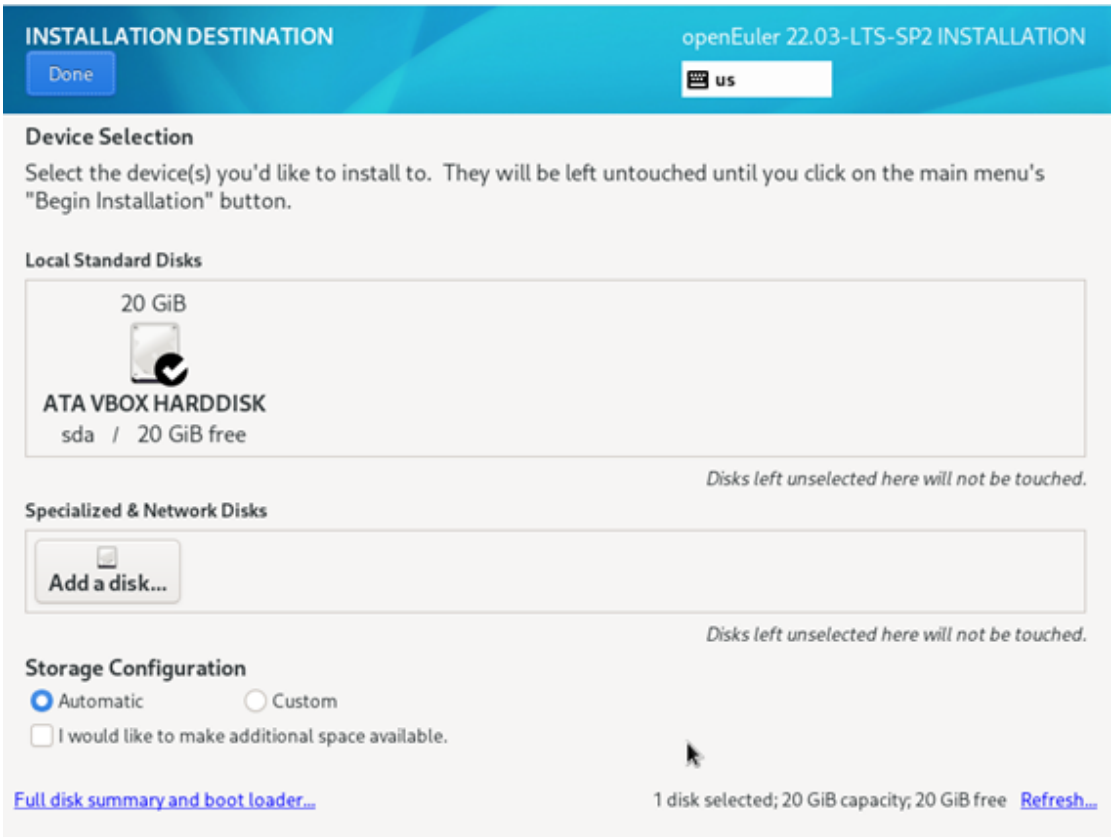
Language support: English (United States)
Installation Source: keep the default settings

6 . Click on the Software Selection menu, consider the settings below and click on the "Do ne" button.

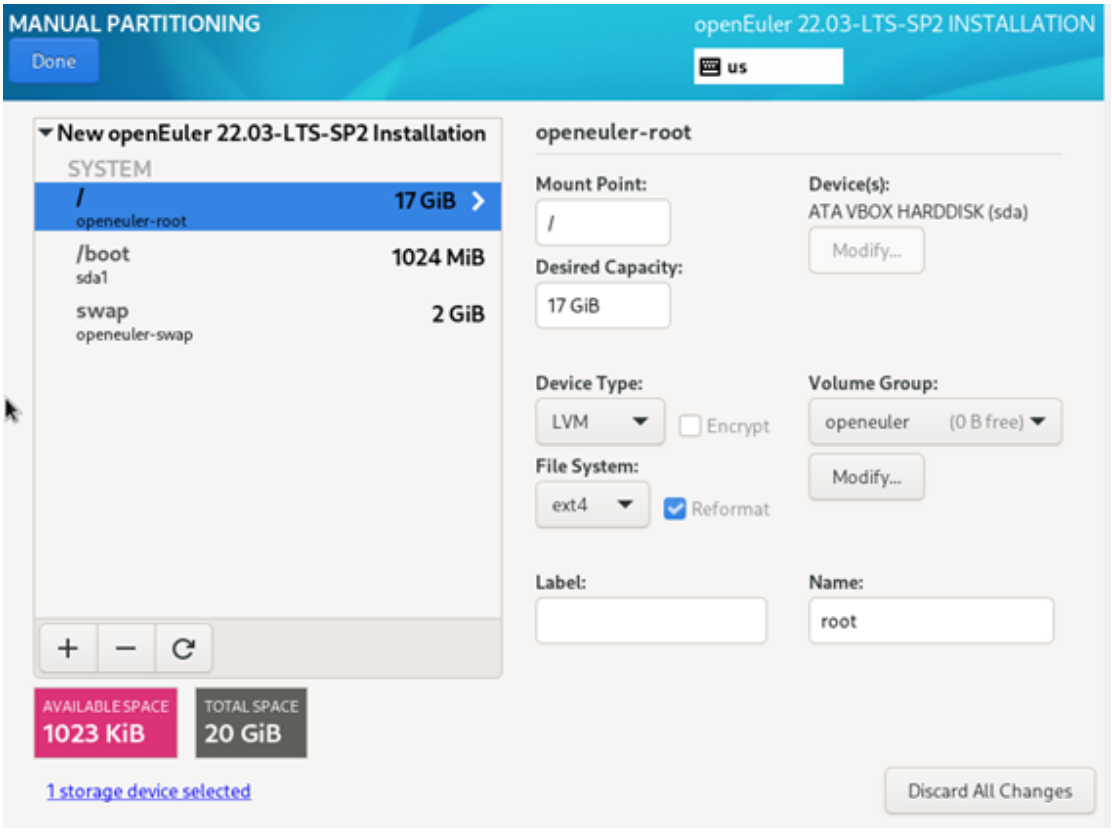


I've selected only the Server Base Enviromnet because i don't want to install anything yet. I just want an clean installation of my server.

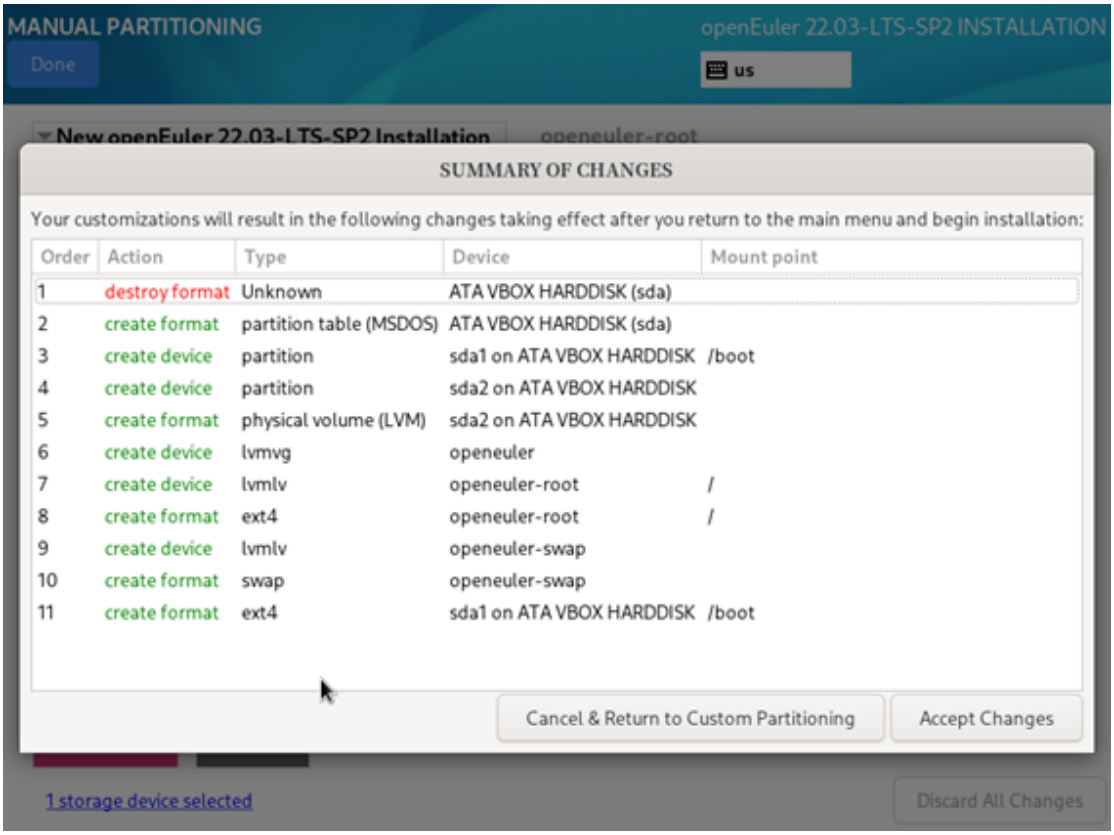
7 . Click on the Installation Destination menu, and select the "Custom" on Storage Configur ation



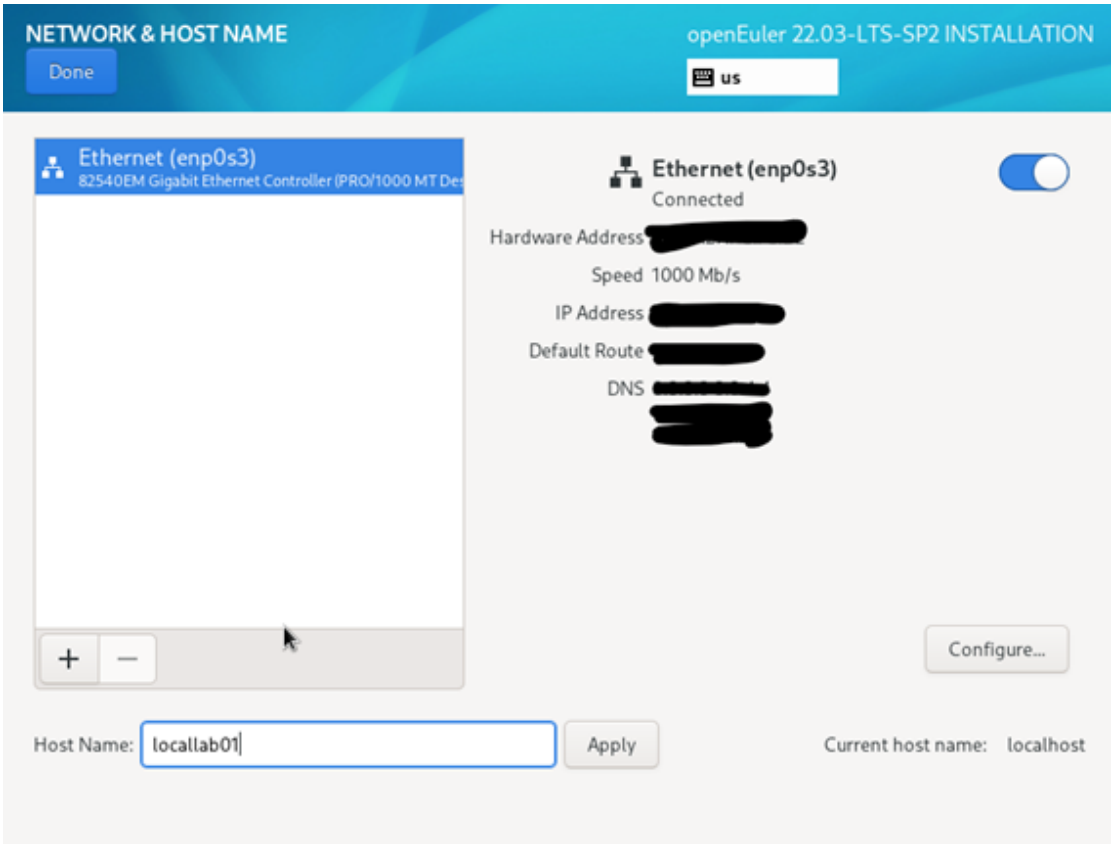
After selecting "Done" you will get the screen to manually configure your partitions. I've cre ated them automatically so i get the follwoing configuration.



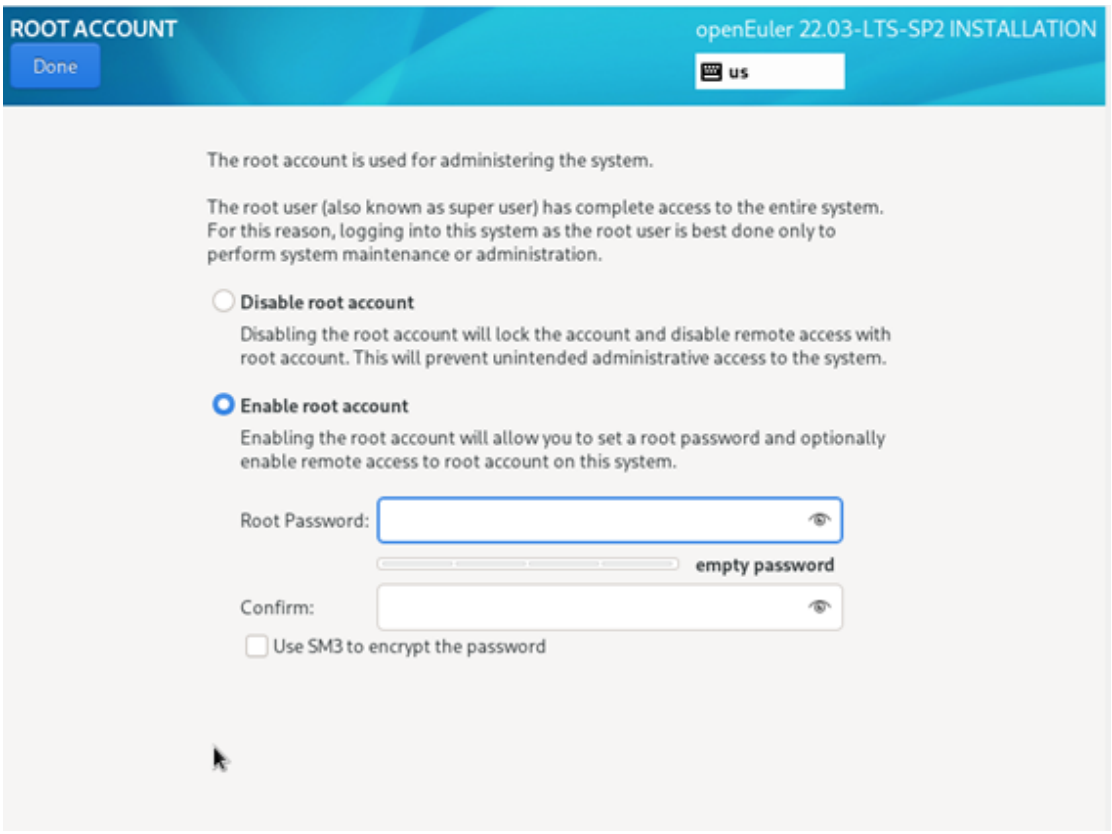
If you are ok with your partitions you can select "Done", and you will get the following scre en to Accept Changes.



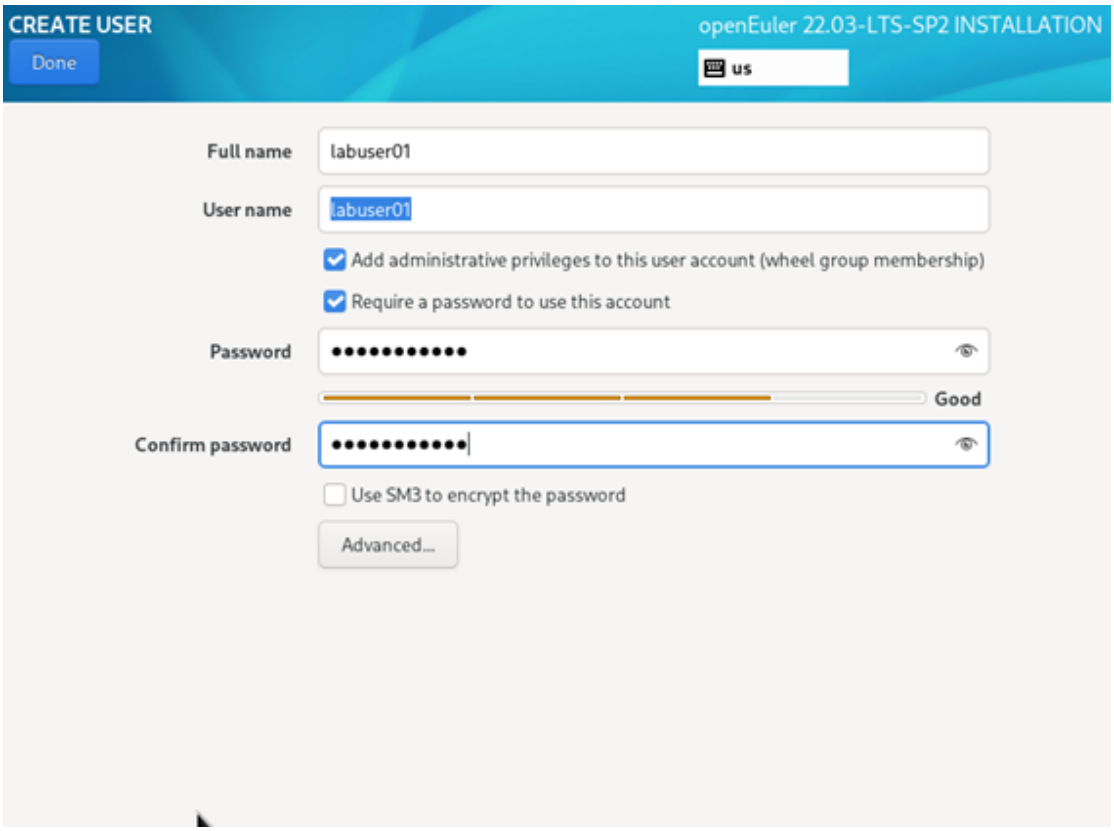
8 . On the main screen click on the Network & Host name menu, consider the settings bel ow and click on the "Done" button.



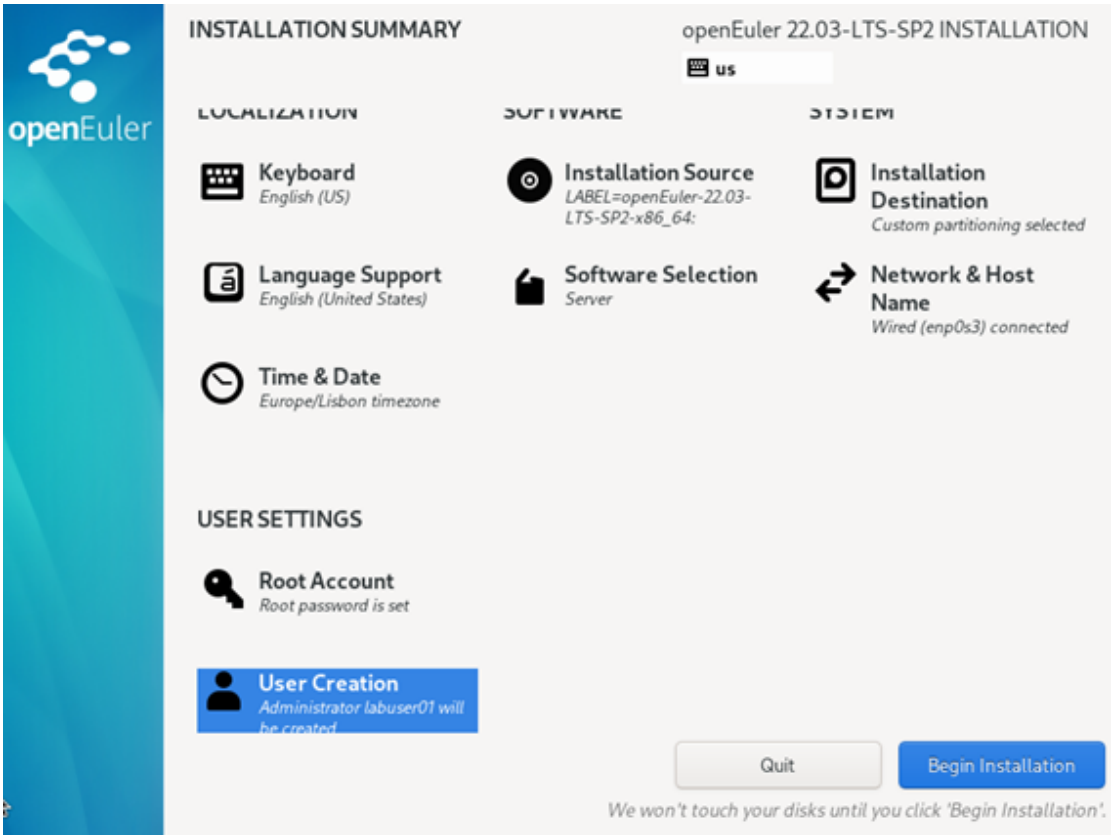
9 . On the main screen click on the Root Account menu, consider the settings below, to se t the root password and click on the "Done" button.



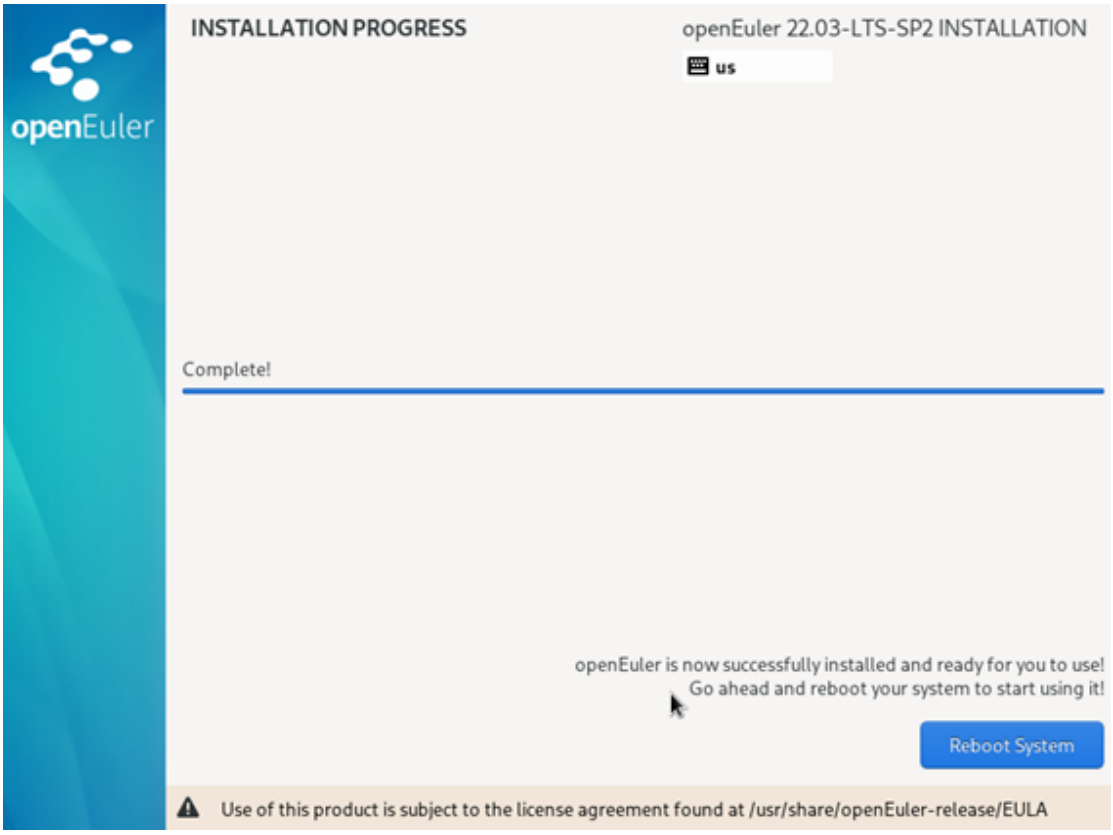
10 . On the main screen again click on the User Creation menu, consider the settings belo w, to set the a new user and password to access your server and click on the "Done" butt on.



11 . Click on the "Begin Installation" button after applying all the settings mentioned above.

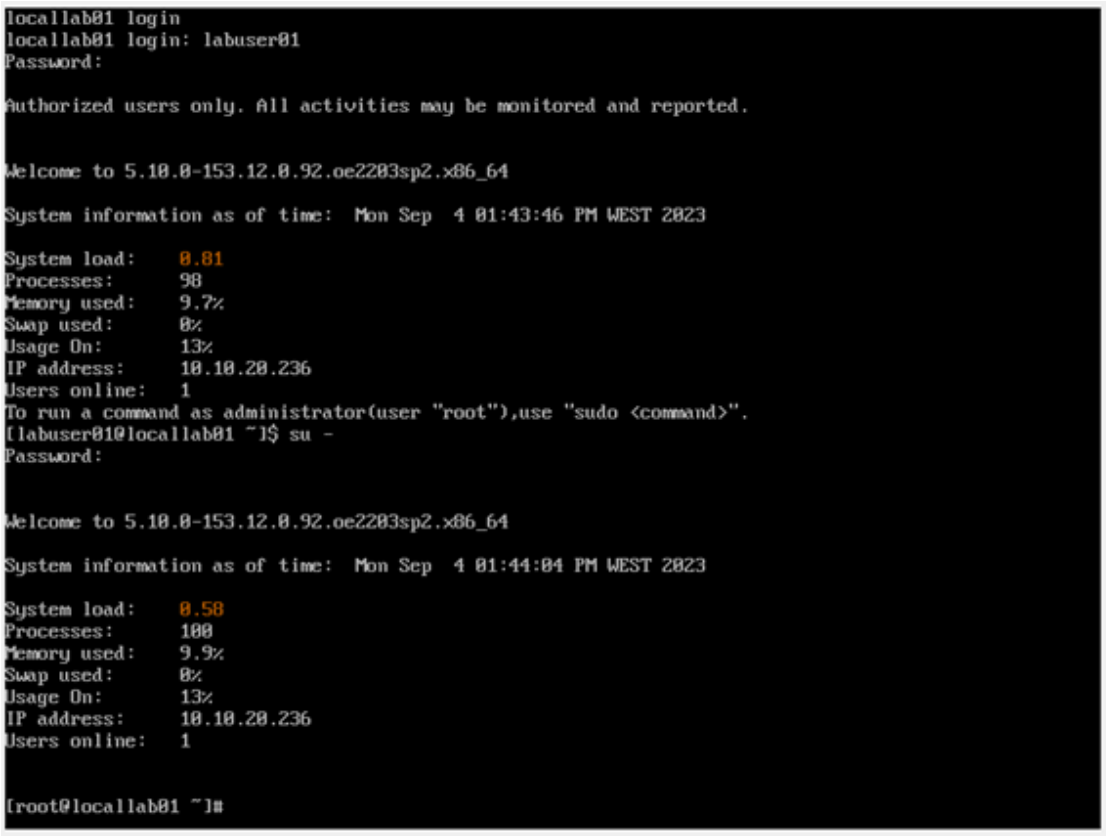


12 . At the end of the installation process click on the "Reboot" button.



13 . When you start the virtual machine, you will see the grub menu where you can choose the kernel you want to boot.

14 . After the OS boot, enter the user/password you want to connect to.



To finish the installation

Now that you are connected to your server you should update it to get all last package version. For that just type the follwoing command with root privileges.

```
dnf update
```

And you will see your OS updating.

```
 libtiff                    x86_64       4.3.0-31.oe2203sp2                    update       176 k
 libtiff-devel              x86_64       4.3.0-31.oe2203sp2                    update        32 k
 libwbclient                x86_64       4.17.5-7.oe2203sp2                    update        36 k
 ncurses                    x86_64       6.3-12.oe2203sp2                      update       679 k
 ncurses-base               noarch       6.3-12.oe2203sp2                      update        54 k
 ncurses-libs               x86_64       6.3-12.oe2203sp2                      update       286 k
 openssh                    x86_64       8.8p1-21.oe2203sp2                    update       317 k
 openssh-clients            x86_64       8.8p1-21.oe2203sp2                    update       634 k
 openssh-server             x86_64       8.8p1-21.oe2203sp2                    update       396 k
 openssl                    x86_64       1:1.1.1m-22.oe2203sp2                 update       445 k
 openssl-devel              x86_64       1:1.1.1m-22.oe2203sp2                 update       1.8 M
 openssl-libs               x86_64       1:1.1.1m-22.oe2203sp2                 update       1.4 M
 pcre2                      x86_64       10.39-9.oe2203sp2                     update       597 k
 pcre2-devel                x86_64       10.39-9.oe2203sp2                     update       584 k
 perl                       x86_64       4:5.34.0-9.oe2203sp2                  update       3.2 M
 perl-devel                 x86_64       4:5.34.0-9.oe2203sp2                  update       2.1 M
 perl-libs                  x86_64       4:5.34.0-9.oe2203sp2                  update       1.7 M
 procps-ng                  x86_64       4.0.2-10.oe2203sp2                    update       237 k
 python3                    x86_64       3.9.9-25.oe2203sp2                    update       8.0 M
 python3-dnf                noarch       4.14.0-15.oe2203sp2                   update       444 k
 python3-perf               x86_64       5.10.0-153.25.0.101.oe2203sp2         update       866 k
 samba-client-libs          x86_64       4.17.5-7.oe2203sp2                    update       4.8 M
 samba-common               x86_64       4.17.5-7.oe2203sp2                    update        95 k
 sqlite                     x86_64       3.37.2-6.oe2203sp2                    update       1.2 M
 yum                        noarch       4.14.0-15.oe2203sp2                   update       9.4 k
Installing group/module packages:
 kernel                     x86_64       5.10.0-153.25.0.101.oe2203sp2         update        56 M
Installing dependencies:
 grub2-tools-efi            x86_64       1:2.06-33.oe2203sp2                   update       427 k

Transaction Summary
================================================================================
Install   2 Packages
Upgrade  49 Packages

Total download size: 120 M
Is this ok [y/N]:
```

Note: If you want to access your server with ssh, rember to check if the ssh services ir ru nning. For that just run the following command as root:

```
systemctl status sshd
```

```
[root@locallab01 labuser01]# systemctl status sshd
● sshd.service - OpenSSH server daemon
     Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2023-09-04 22:38:41 WEST; 29s ago
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 909 (sshd)
      Tasks: 1 (limit: 9128)
     Memory: 1.8M
     CGroup: /system.slice/sshd.service
             └─ 909 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 04 22:38:41 locallab01 systemd[1]: Starting OpenSSH server daemon...
Sep 04 22:38:41 locallab01 sshd[909]: Server listening on 0.0.0.0 port 22.
Sep 04 22:38:41 locallab01 sshd[909]: Server listening on :: port 22.
Sep 04 22:38:41 locallab01 systemd[1]: Started OpenSSH server daemon.
[root@locallab01 labuser01]#
```

If is not running just type:

```
systemctl start sshd
```

and for the service to automatically start on OS boot type:

```
systemctl enable sshd
```

Well, that concludes Installing install openEuler 22.03 LTS SP2 OS server.