


## Nome e Sistema Operacional

Escolha um nome descritivo para a nova máquina virtual e selecione o tipo de sistema operacional que você pretende instalar nela. O nome que você escolher será utilizado pelo VirtualBox para identificar esta máquina.

Nome:

Pasta da Máquina:

Tipo:  

Versão:

Modo Expert

Próximo (N)

Cancelar

## Tamanho da memória

Selecione a quantidade de memória (RAM) em megabytes que será alocado para a máquina virtual.

O tamanho recomendado para memória é de **1024MB**.

MB

4 MB 16384 MB

Próximo (N)

Cancelar

## ← Criar Máquina Virtual

### Disco rígido

Se você quiser, pode acrescentar um disco rígido virtual a esta máquina virtual. Você pode acrescentar um arquivo de disco rígido virtual na lista ou selecionar outro local utilizando o ícone de pasta.

Se você deseja uma configuração de armazenamento mais complexa, pode pular este passo e fazer as mudanças manualmente na configuração da máquina assim que ela terminar de ser criada.

Recomenda-se utilizar um disco rígido de **10,00 GB**.

- ☐ Não acrescentar um disco rígido virtual
- ☒ Criar um novo disco rígido virtual agora
- ☐ Utilizar um disco rígido virtual existente

Mint.vdi (Normal, 30,00 GB)



Criar

Cancelar



## ← Criar Disco Rígido Virtual

### Tipo de arquivo de disco rígido

Escolha o tipo de arquivo que você gostaria de utilizar para o novo disco rígido virtual. Caso não necessite utilizá-lo com outros softwares de virtualização, pode deixar esta opção como está.

- ☒ VDI (VirtualBox Disk Image)
- ☐ VHD (Virtual Hard Disk)
- ☐ VMDK (Virtual Machine Disk)

Modo Expert

Próximo (N)

Cancelar

## Armazenamento em disco rígido físico

Escolha se o arquivo contendo o disco rígido virtual deve crescer à medida em que é utilizado (dinamicamente alocado) ou se ele deve ser criado já com o tamanho máximo (tamanho fixo).

Um arquivo de disco rígido virtual **dinamicamente alocado** irá utilizar espaço em seu disco rígido físico à medida em que for sendo utilizado (até um **tamanho máximo pré-definido**), mas não irá encolher caso seja liberado espaço nele.

Um arquivo de disco rígido virtual de **tamanho fixo** pode levar mais tempo para ser criado em alguns sistemas, mas geralmente possui acesso mais rápido.

- ☒ Dinamicamente alocado  
☐ Tamanho Fixo

Próximo (N)

Cancelar

## Localização e tamanho do arquivo

Informe o nome do arquivo em disco que conterá o disco virtual no campo abaixo ou clique no ícone da pasta para selecionar uma localização diferente para o arquivo.

C:\Users\Boris\VirtualBox VMs\Teste\Teste.vdi

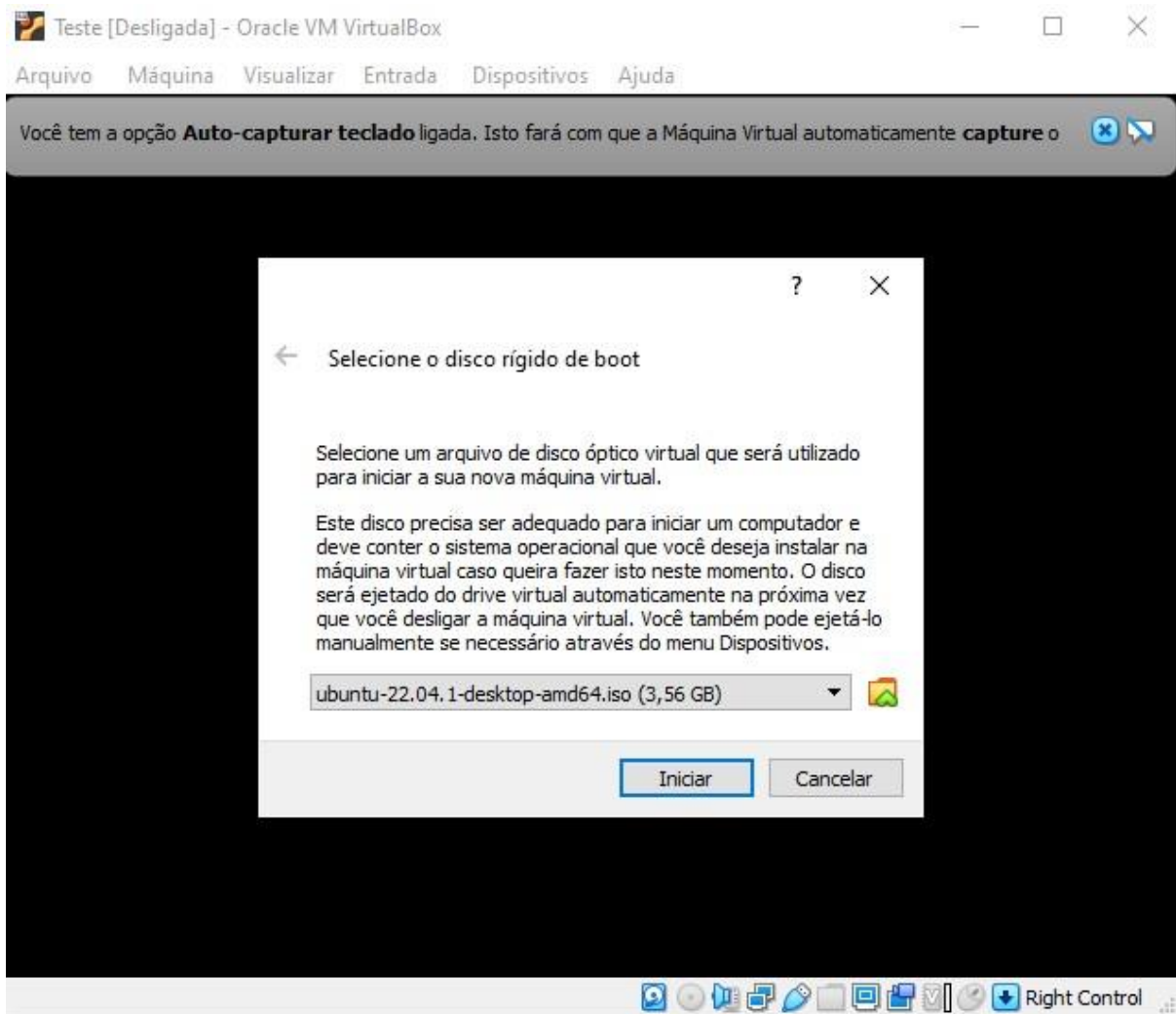


Selecione o tamanho da imagem de disco virtual em megabytes. Este tamanho é o limite máximo de dados que uma máquina virtual poderá armazenar neste disco rígido.

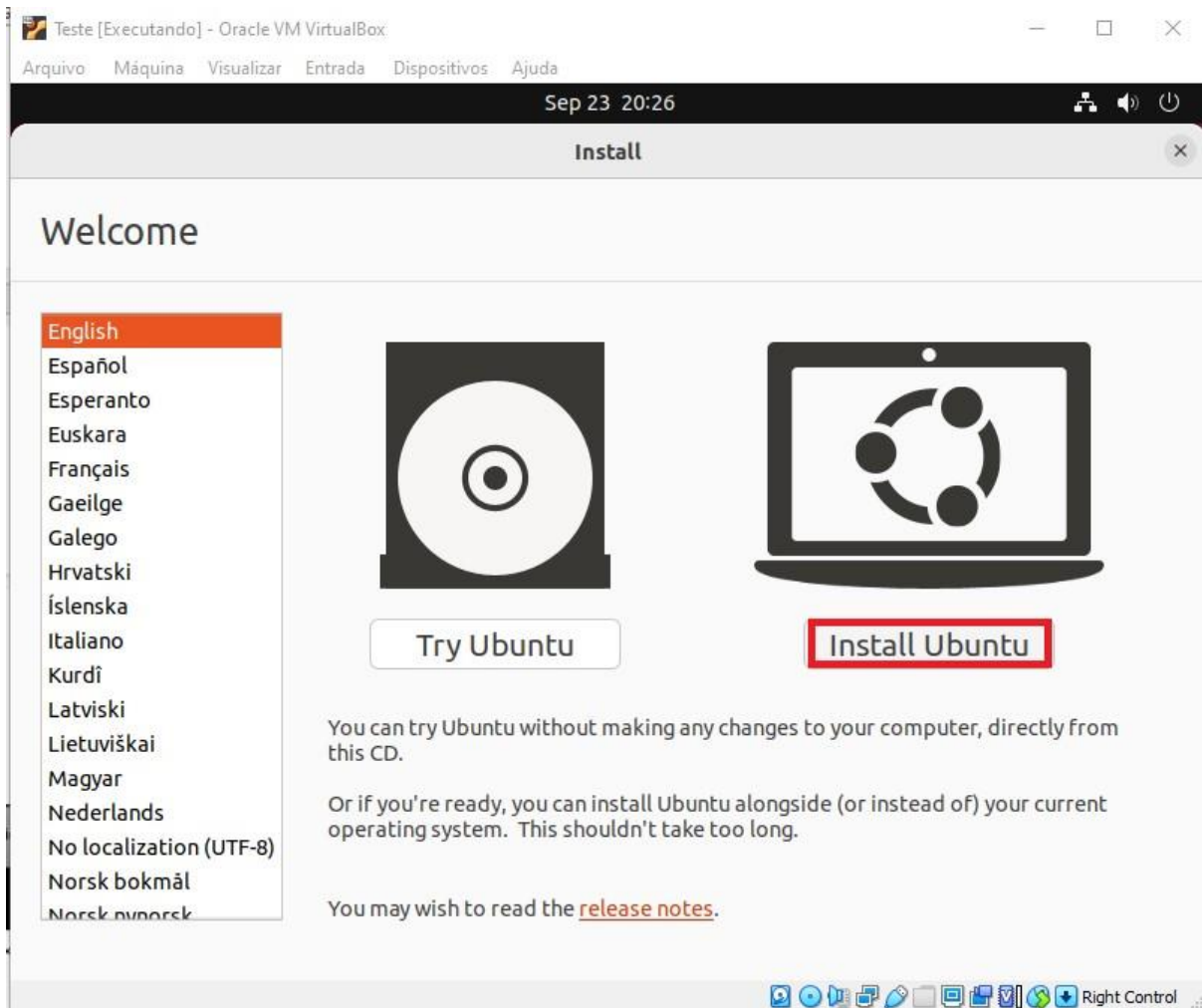


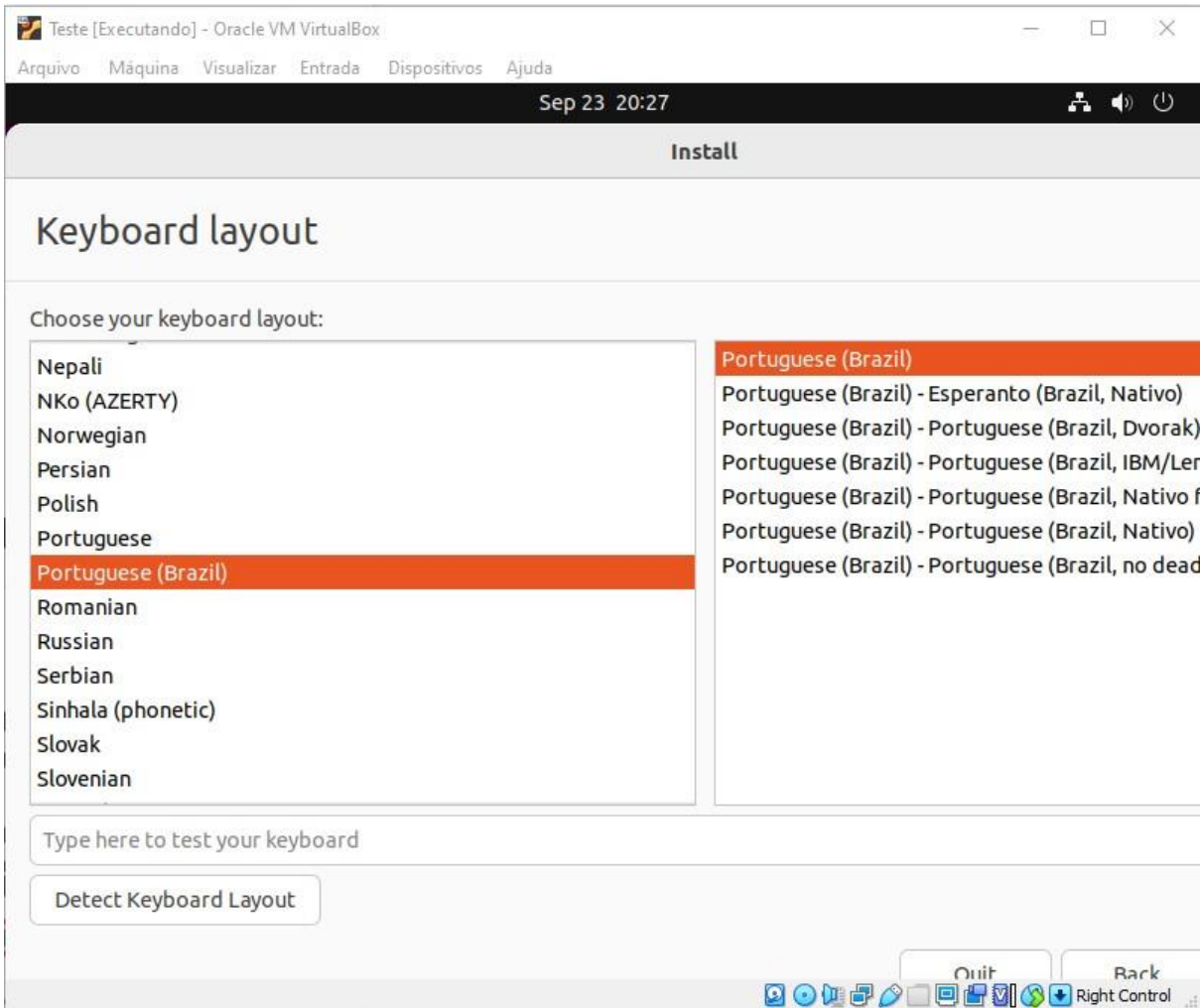
Criar

Cancelar



Try or install Ubuntu (perdi a foto dessa parte)







## Install

## Installation type

This computer currently has no detected operating systems. What would you like to do?

☒ Erase disk and install Ubuntu

**Warning:** This will delete all your programs, documents, photos, music, and any other files in all operating systems.

Advanced features...

None selected

☐ Something else

You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.

## Write the changes to disks?

If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.

The partition tables of the following devices are changed:  
SCSI3 (0,0,0) (sda)

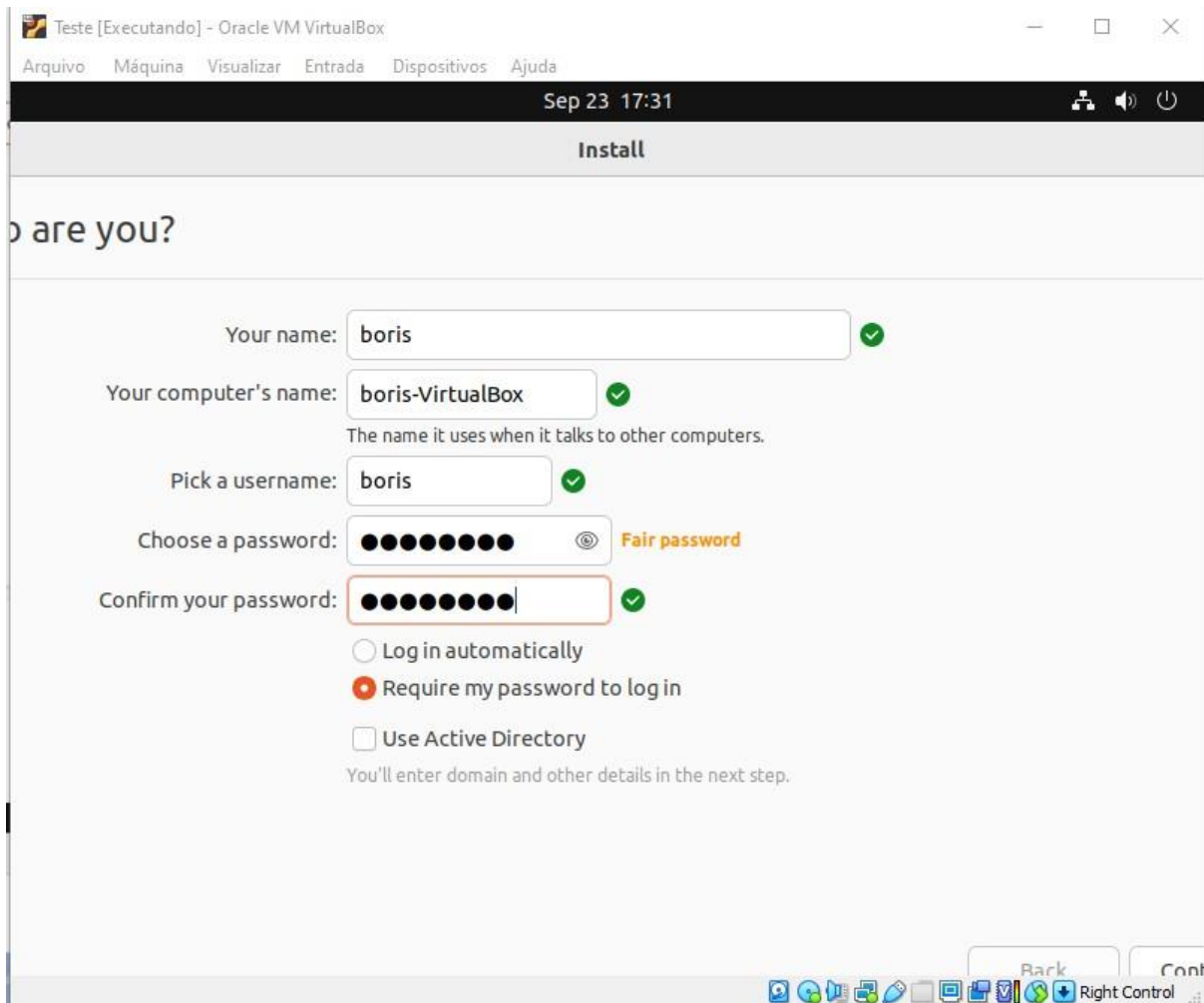
The following partitions are going to be formatted:  
partition #2 of SCSI3 (0,0,0) (sda) as ESP  
partition #3 of SCSI3 (0,0,0) (sda) as ext4

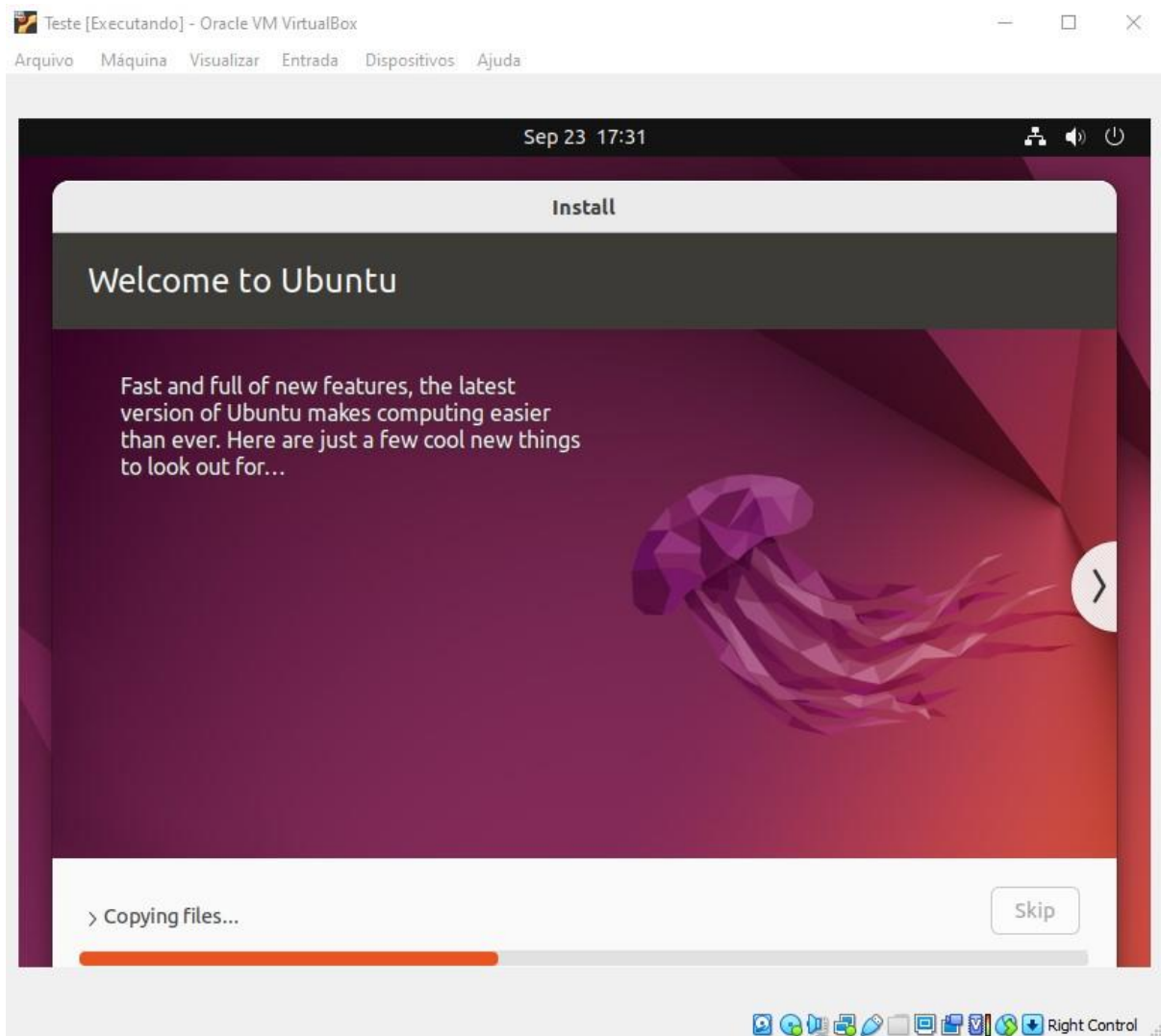
Go Back

Continue



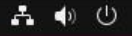






Aguardemos

Sep 23 17:35

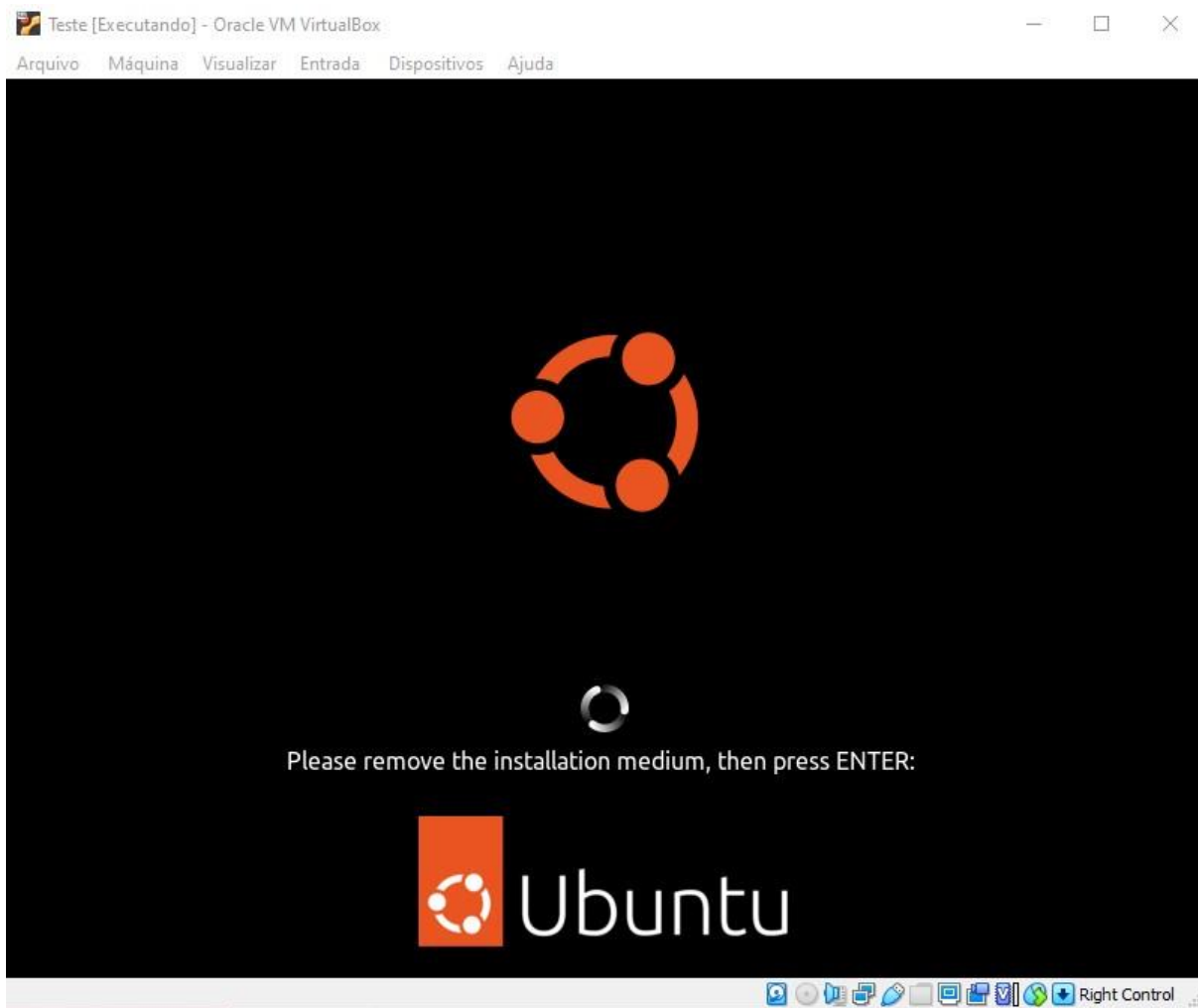


### Installation Complete

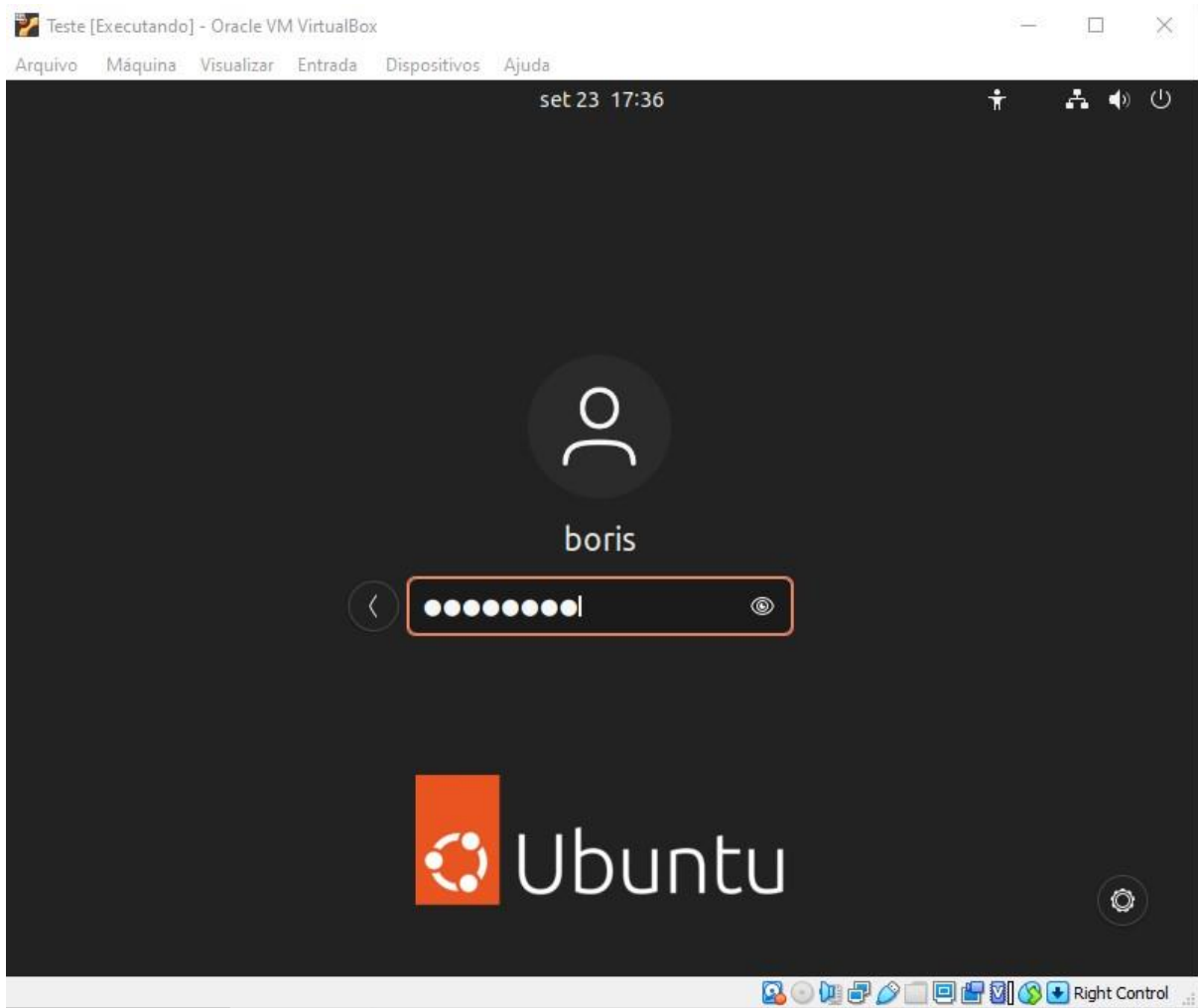


Installation is complete. You need to restart the computer in order to use the new installation.

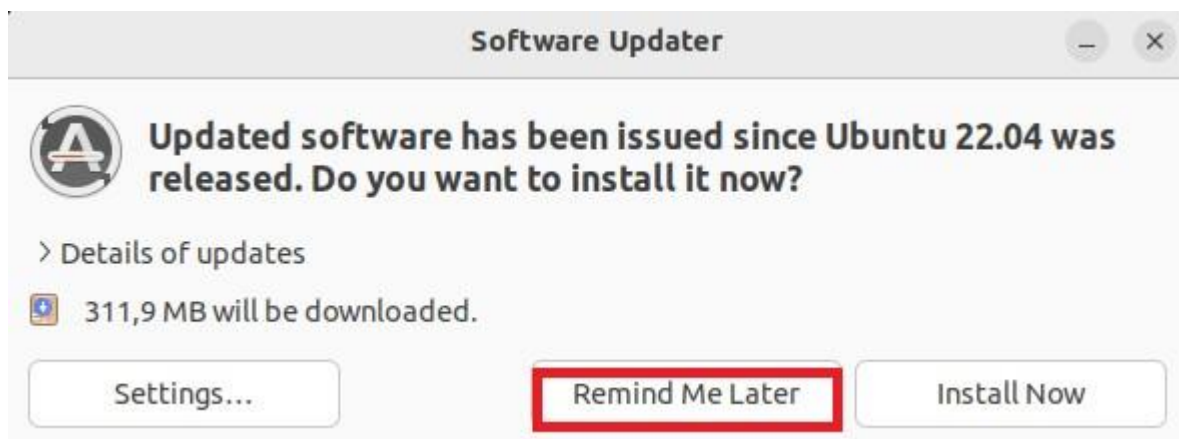
Restart Now



Tecla ENTER



Login



Online Accounts

Skip

New Folder

Paste

Select All

Arrange Icons

Arrange By...



Show Desktop in Files

Open in Terminal

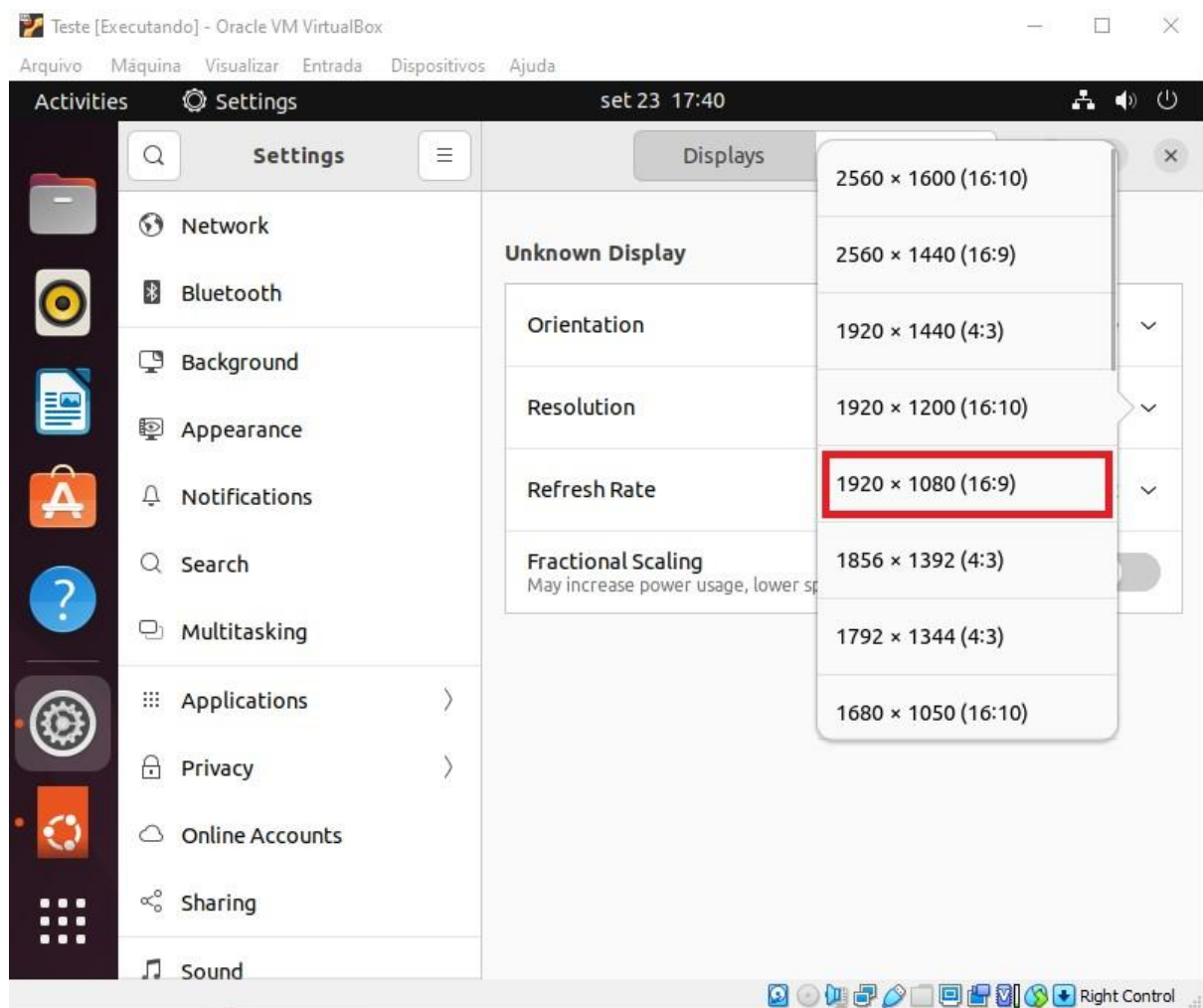
Change Background...

Desktop Icons Settings

Display Settings



Home



Apply > Keep changes





## Connect Your Online Accounts

Connect your accounts to easily access your online calendar, documents, photos and more.



Ubuntu Single Sign-On



Google



Nextcloud



Microsoft

Accounts can be added and removed at any time from the Settings application.

[Previous](#)

Livepatch

[Next](#)

## Livepatch



Canonical Livepatch helps keep your computer secure, by applying some updates that would normally require restarting.

Would you like to set up Livepatch now?

[Set Up Livepatch...](#)[Legal notice](#)[Previous](#)

Help improve Ubuntu

[Next](#)

## Help improve Ubuntu



Ubuntu can report information that helps developers improve it. This includes things like the computer model, what software is installed, and the approximate location you chose (America/Sao\_Paulo).

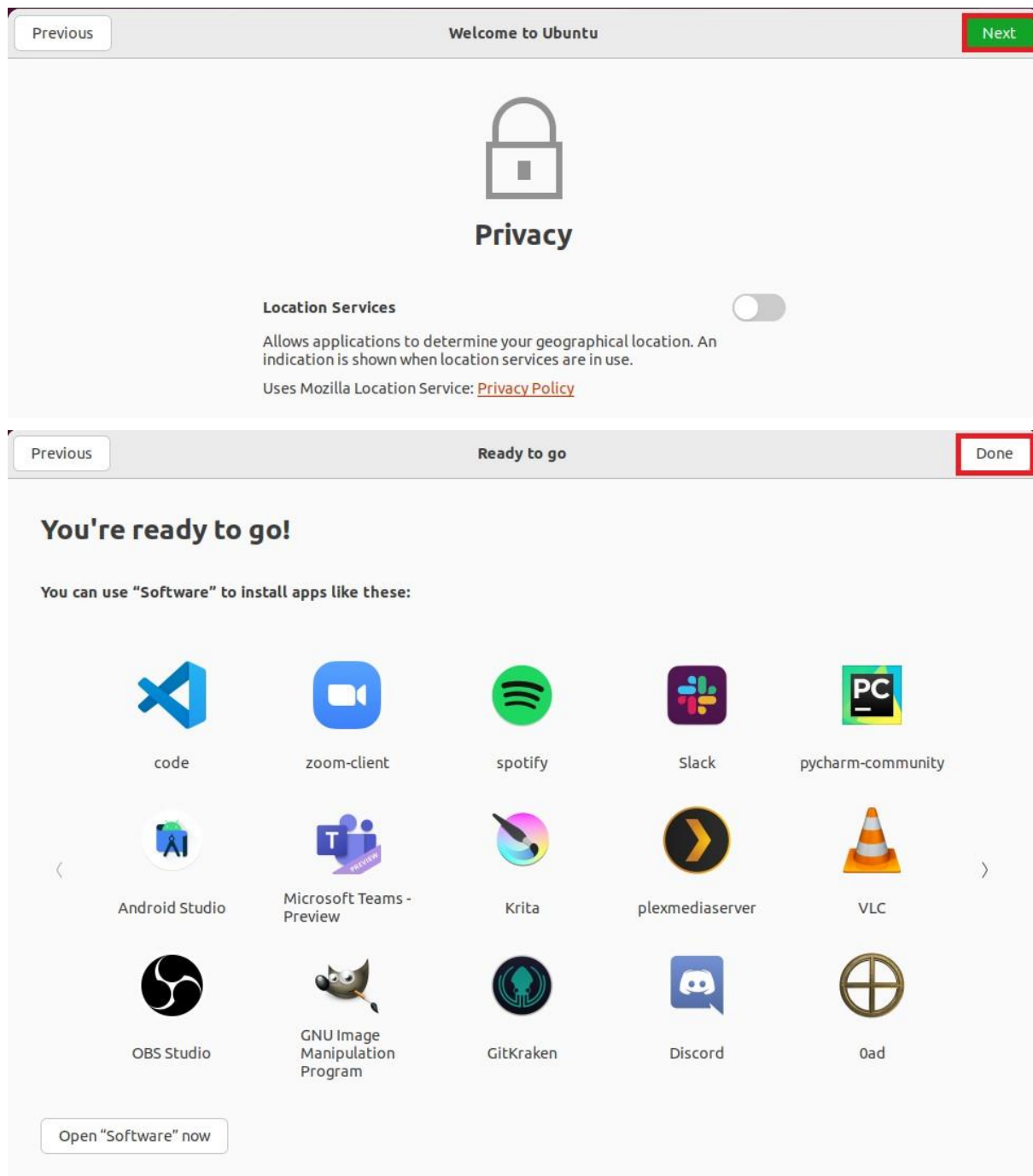
[Show the First Report](#)[Legal notice](#)

Would you like to send this information?

☐ Yes, send system info to Canonical



No, don't send system info



Minha VM tá com problema e não me deixa compartilhar área de transferência, se quiser pode ativar isso na sua para não ter que digitar o link:

[https://drive.google.com/drive/folders/1b0DyOBPfYqq3xX5o\\_8zQowQazxPhsfvb](https://drive.google.com/drive/folders/1b0DyOBPfYqq3xX5o_8zQowQazxPhsfvb)



Drive



Fazer login

AplicativoVendas

FAZER DOWNLOAD DE TUDO

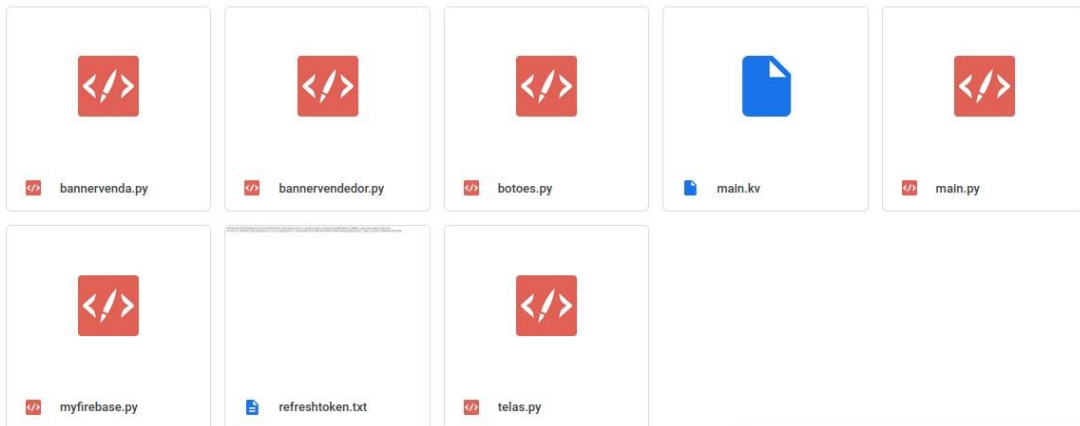


Pastas

Nome ↑



Arquivos

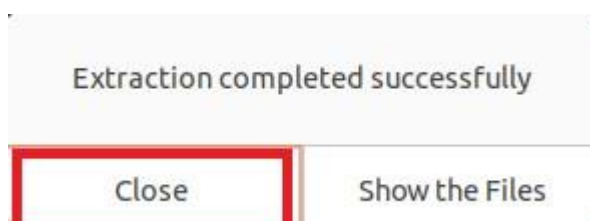
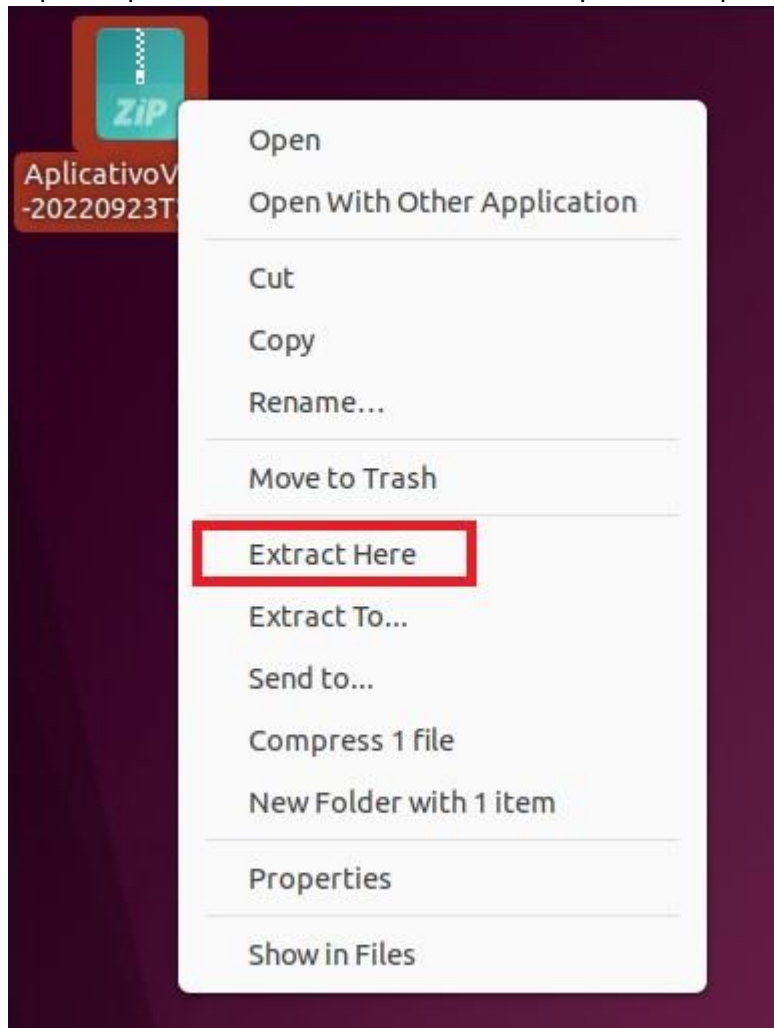


Use o Drive sem custos



O Google Drive é um lugar seguro para todos os seus arquivos.  
Comece a usar hoje mesmo.

Copie da pasta Downloads e cole no Desktop. Descompacte:



Cheque se só tem o python3 instalado:

```
boris@boris-VirtualBox: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
boris@boris-VirtualBox:~$ python -V  
Command 'python' not found, did you mean:  
  command 'python3' from deb python3  
  command 'python' from deb python-is-python3  
boris@boris-VirtualBox:~$ python3 -V  
Python 3.10.4  
boris@boris-VirtualBox:~$ pip  
Command 'pip' not found, but can be installed with:  
sudo apt install python3-pip  
boris@boris-VirtualBox:~$ pip3  
Command 'pip3' not found, but can be installed with:  
sudo apt install python3-pip  
boris@boris-VirtualBox:~$
```

Acesse a página pelo Firefox para poder copiar os comandos:

<https://buildozer.readthedocs.io/en/latest/installation.html>

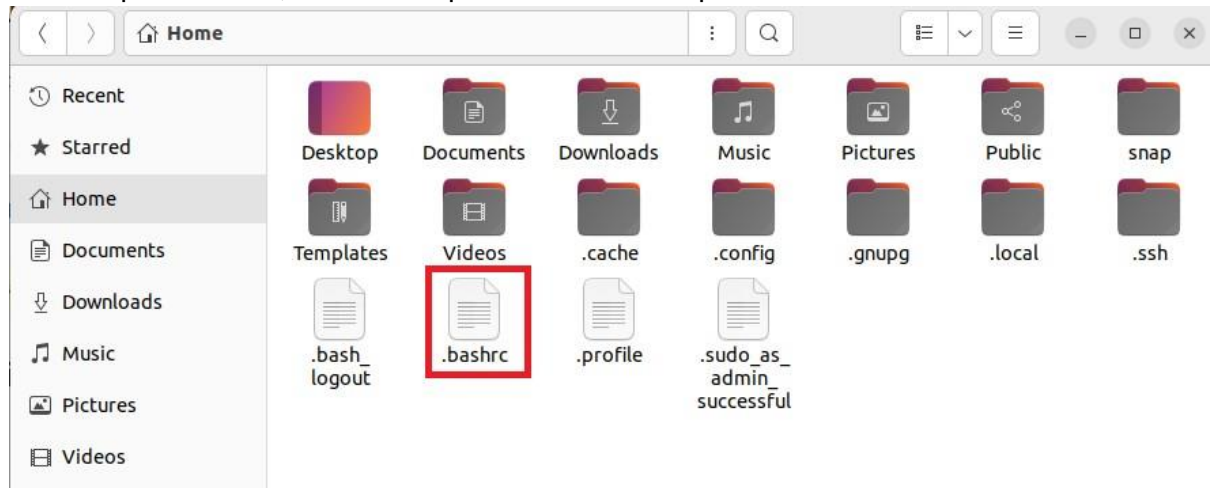
```
boris@boris-VirtualBox: ~  
boris@boris-VirtualBox:~$ sudo apt update  
[sudo] password for boris:  
Hit:1 http://br.archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://br.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]  
Hit:3 http://security.ubuntu.com/ubuntu jammy-security InRelease  
Get:4 http://br.archive.ubuntu.com/ubuntu jammy-backports InRelease [99,8 kB]  
Get:5 http://br.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [322  
kB]  
Get:6 http://br.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [597  
kB]  
Get:7 http://br.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [278  
kB]  
Get:8 http://br.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages  
[422 kB]  
Fetched 1.833 kB in 1s (1.424 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
143 packages can be upgraded. Run 'apt list --upgradable' to see them.  
boris@boris-VirtualBox:~$
```

```
boris@boris-VirtualBox: ~  
boris@boris-VirtualBox:~$ sudo apt install -y git zip unzip openjdk-17-jdk python3-pip autoconf libtool pkg-config zlib1g-dev libncurses5-dev libncursesw5-dev libtinfo5 cmake libffi-dev libssl-dev
```

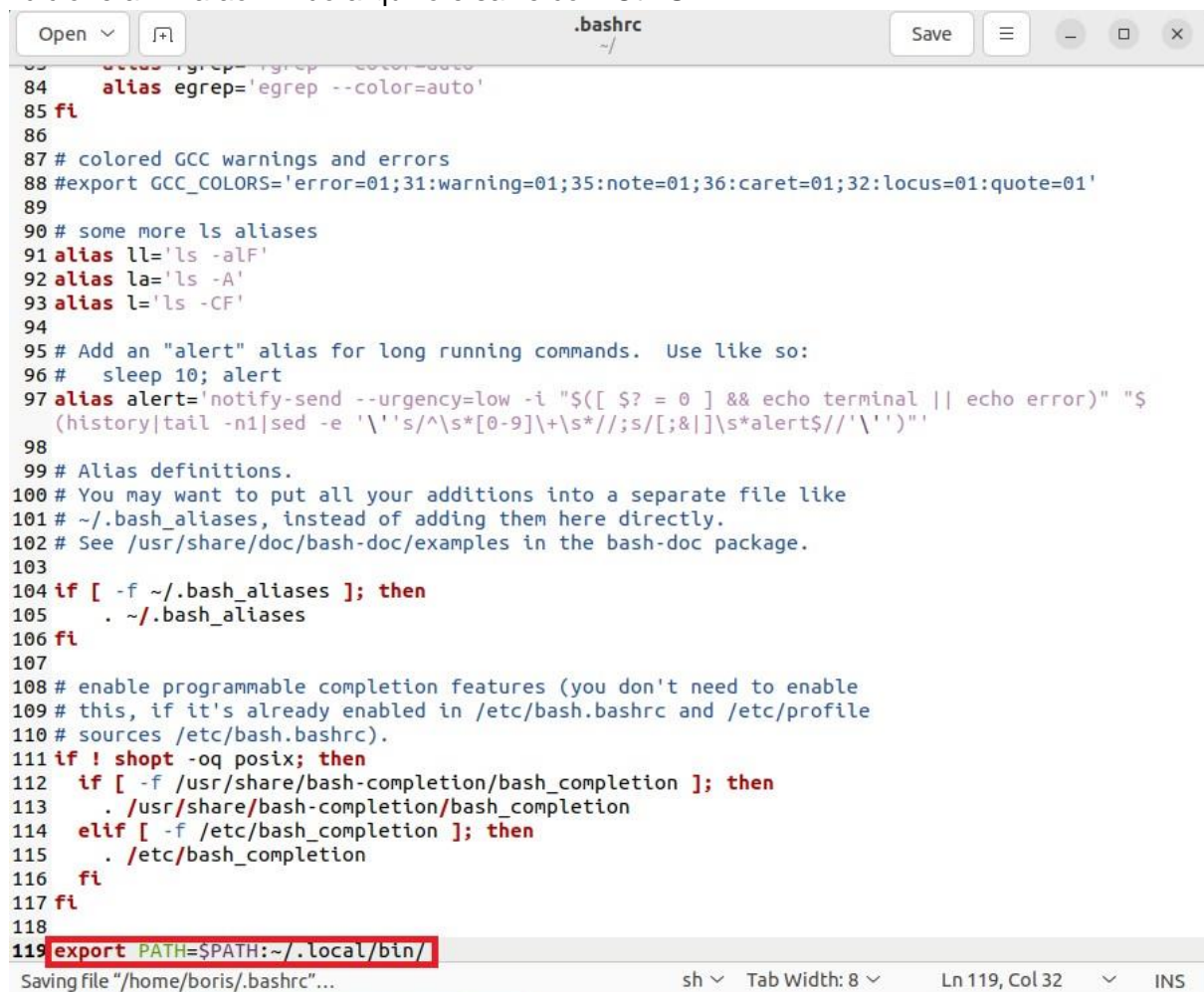
```
boris@boris-VirtualBox: ~  
boris@boris-VirtualBox:~$ pip3 install --user --upgrade Cython==0.29.19 virtualenv
```



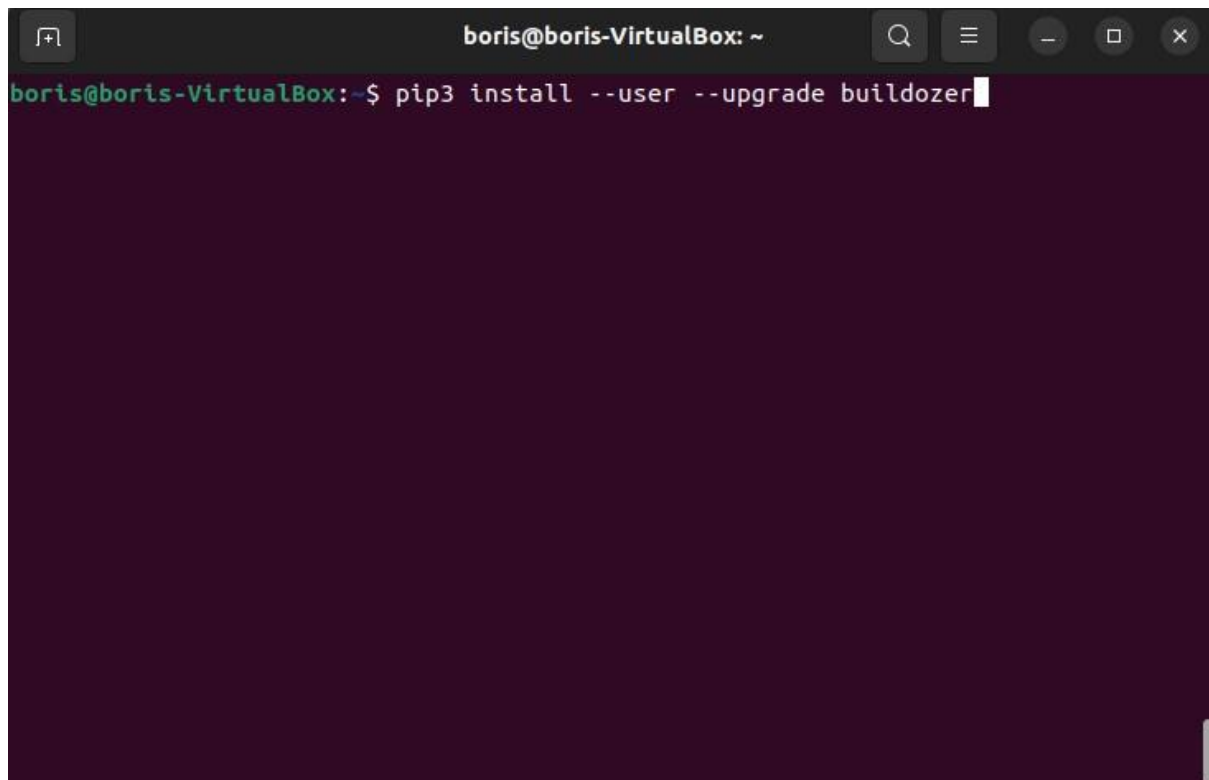
Vá até a pasta Home, tecle Ctrl H para mostrar os arquivos ocultos e abra o .bashrc



Adicione a linha ao fim do arquivo e salve com Ctrl S:

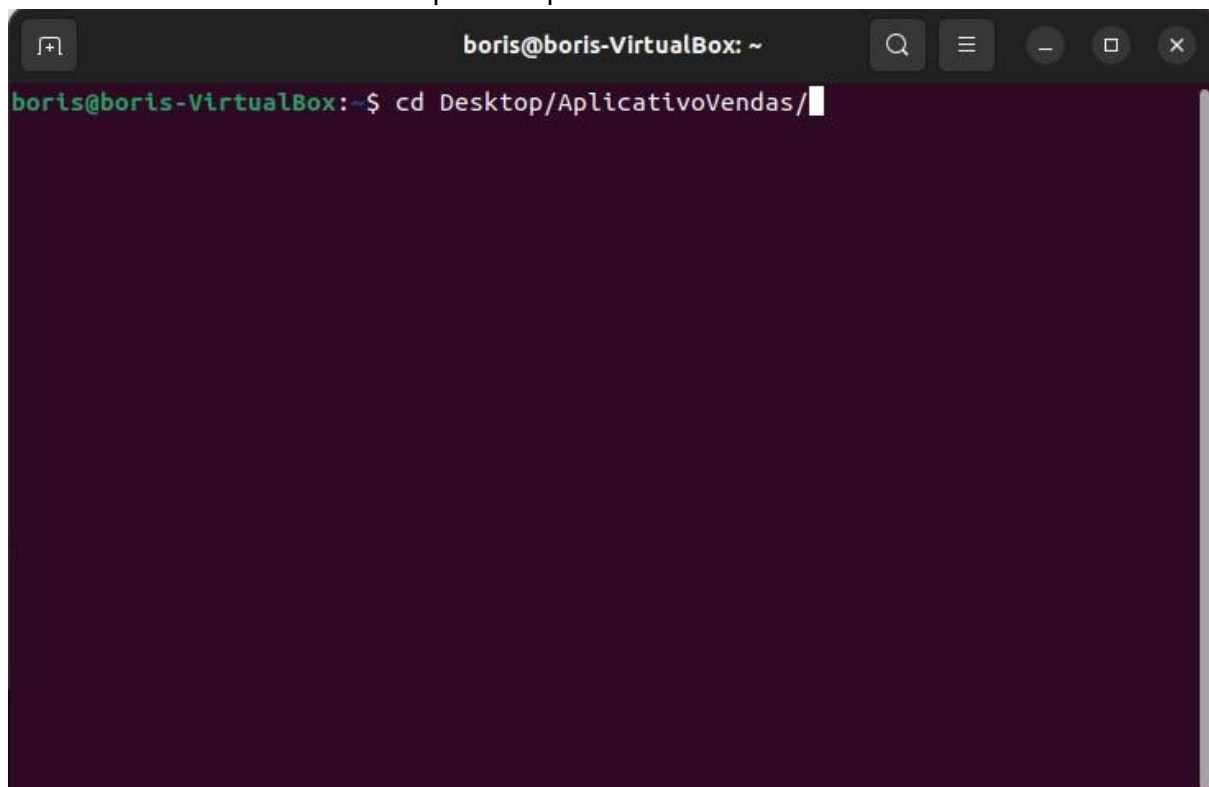


Pode fechar o arquivo



```
boris@boris-VirtualBox: ~  
boris@boris-VirtualBox:~$ pip3 install --user --upgrade buildozer
```

Fecha o terminal e abre de novo para ele poder encontrar o buildozer



```
boris@boris-VirtualBox: ~  
boris@boris-VirtualBox:~$ cd Desktop/AplicativoVendas/
```



```
boris@boris-VirtualBox: ~/Desktop/AplicativoVendas
boris@boris-VirtualBox:~/Desktop/AplicativoVendas$ buildozer init
File buildozer.spec created, ready to customize!
boris@boris-VirtualBox:~/Desktop/AplicativoVendas$
```

```
1 [app]
2
3 # (str) Title of your application
4 title = MeuApp
5
6 # (str) Package name
7 package.name = meuapp
8
9 # (str) Package domain (needed for android/ios packaging)
10 package.domain = org.meuapp
11
12 # (str) Source code where the main.py live
13 source.dir = .
14
15 # (list) Source files to include (let empty to include all the files)
16 source.include_exts = py,png,jpg,kv,atlas
17
18 # (list) List of inclusions using pattern matching
19 #source.include_patterns = assets/*.images/*.png
20
21 # (list) Source files to exclude (let empty to not exclude anything)
22 #source.exclude_exts = spec
23
24 # (list) List of directory to exclude (let empty to not exclude anything)
25 #source.exclude_dirs = tests, bin, venv
26
27 # (list) List of exclusions using pattern matching
28 # Do not prefix with './'
29 #source.exclude_patterns = license,images/*/*.jpg
30
31 # (str) Application versioning (method 1)
32 version = 0.1
33
34 # (str) Application versioning (method 2)
35 # version.regex = __version__ = ['"](.*)['"]
36 # version.filename = %(source.dir)s/main.py
37
```

RPM spec ▾ Tab Width: 8 ▾ Ln 246, Col 30 ▾ INS

Open ▾



buildozer.spec

~/Desktop/AplicativoVendas

```
20
27 # (list) List of exclusions using pattern matching
28 # Do not prefix with './'
29 #source.exclude_patterns = license,images/**/*.jpg
30
31 # (str) Application versioning (method 1)
32 version = 0.1
33
34 # (str) Application versioning (method 2)
35 # version.regex = __version__ = ['"](.*)['"]
36 # version.filename = %(source.dir)s/main.py
37
38 # (list) Application requirements
39 # comma separated e.g. requirements = sqlite3,kivy
40 requirements = python3,kivy,requests,certifi,urllib3,chardet,idna
41
42 # (str) Custom source folders for requirements
43 # Sets custom source for any requirements with recipes
44 # requirements.source.kivy = ../../kivy
45
46 # (str) Presplash of the application
47 #presplash.filename = %(source.dir)s/data/presplash.png
48
49 # (str) Icon of the application
50 #icon.filename = %(source.dir)s/data/icon.png

# (list) Android shared libraries which will be added
library> tag
#android.uses_library =

# (str) Android logcat filters to use
android.logcat_filters = *:S python:D

# (bool) Android logcat only display log for active
#android.logcat_pid_only = False

# (str) Android additional adb arguments
#android.adb_args = -H host.docker.internal

# (bool) Copy library instead of making a libpymod
#android.copy_libs = 1

# (list) The Android archs to build for, choices:
# In past, was `android.arch` as we weren't support
```

```
90
91 # (str) Adaptive icon of the application (used if Android API level is 26+
    at runtime)
92 #icon.adaptive_foreground.filename = %(source.dir)s/data/icon_fg.png
93 #icon.adaptive_background.filename = %(source.dir)s/data/icon_bg.png
94
95 # (list) Permissions
96 android.permissions = INTERNET
97
98 # (list) features (adds uses-feature -tags to manifest)
99 #android.features = android.hardware.usb.host
100
101 # (int) Target Android API, should be as high as possible.
102 android.api = 31
103
104 # (int) Minimum API your APK / AAB will support.
105 #android.minapi = 21
106
107 # (int) Android SDK version to use
108 #android.sdk = 20
109
110 # (str) Android NDK version to use
111 #android.ndk = 23b
112
113 # (int) Android NDK API to use. This is the minimum API your app will
    support, it should usually match android.minapi.
114 #android.ndk_api = 21
115
```



Salve as alterações

Selecione o celular:

Só tá certo quando aparecer o tick:



```
boris@boris-VirtualBox: ~/Desktop/AplicativoVendas$ buildozer android debug deploy run logcat
```