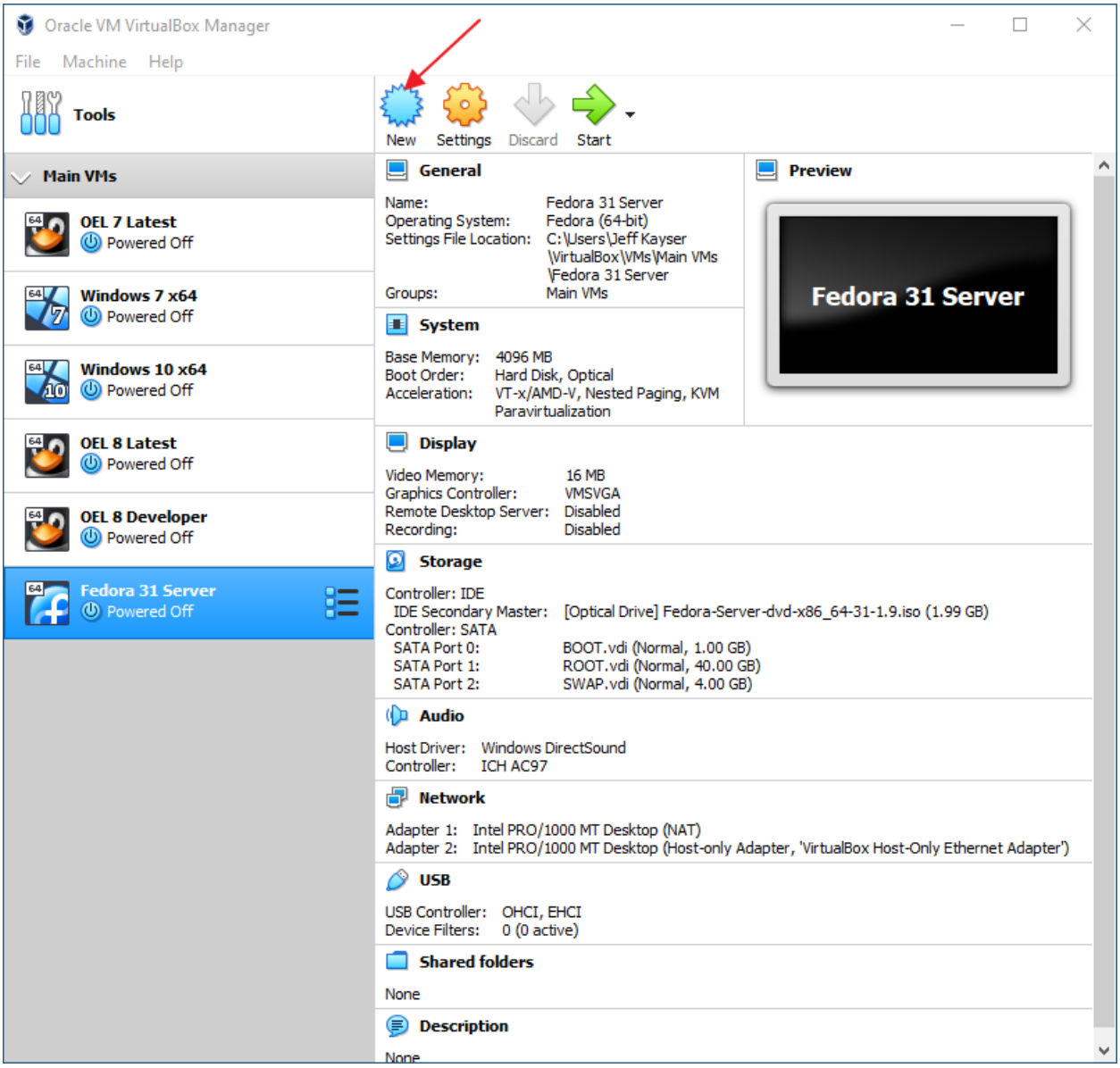
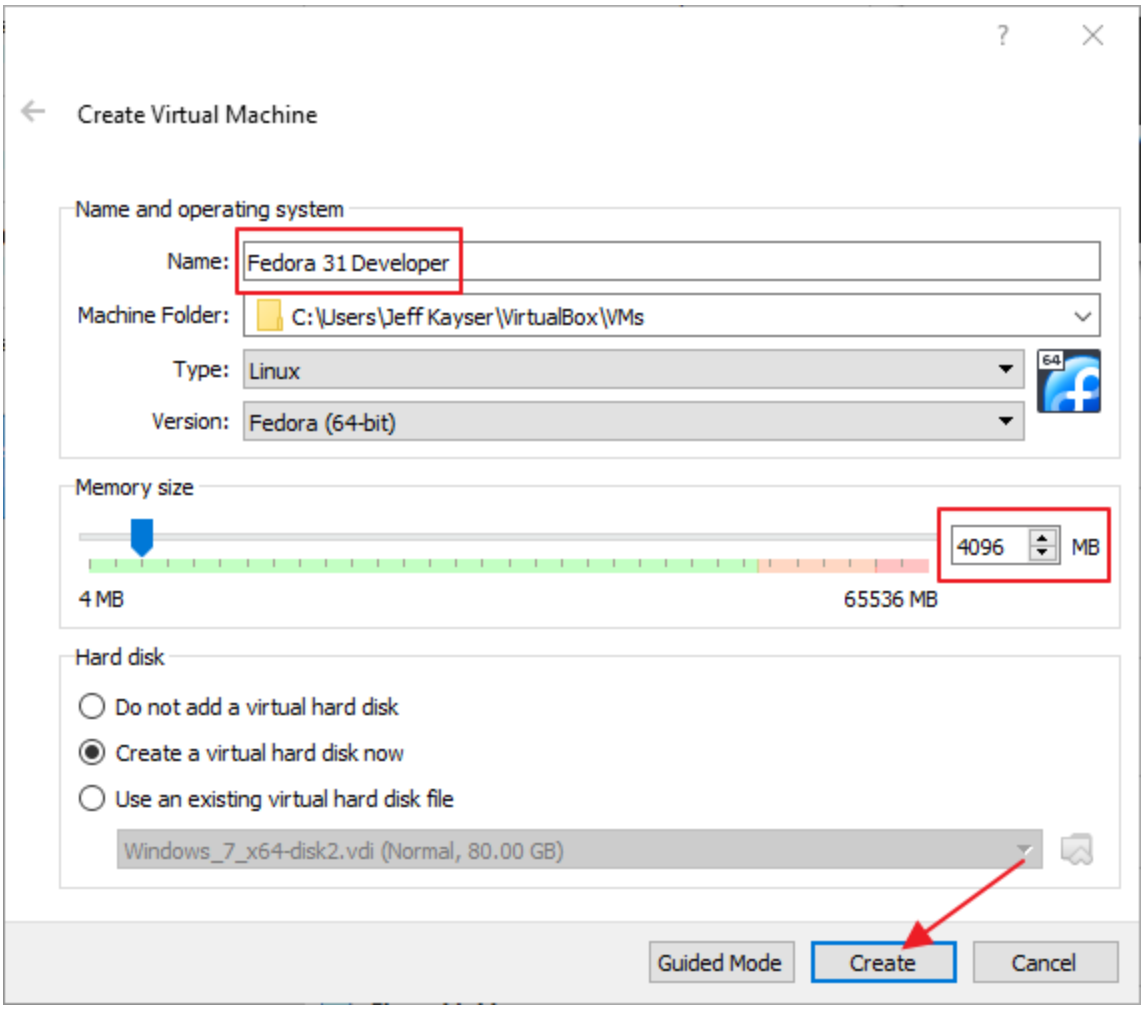
Step 035 – Create Fedora 31 Workstation VM



Click: New

Step 035 – Create Fedora 31 Workstation VM

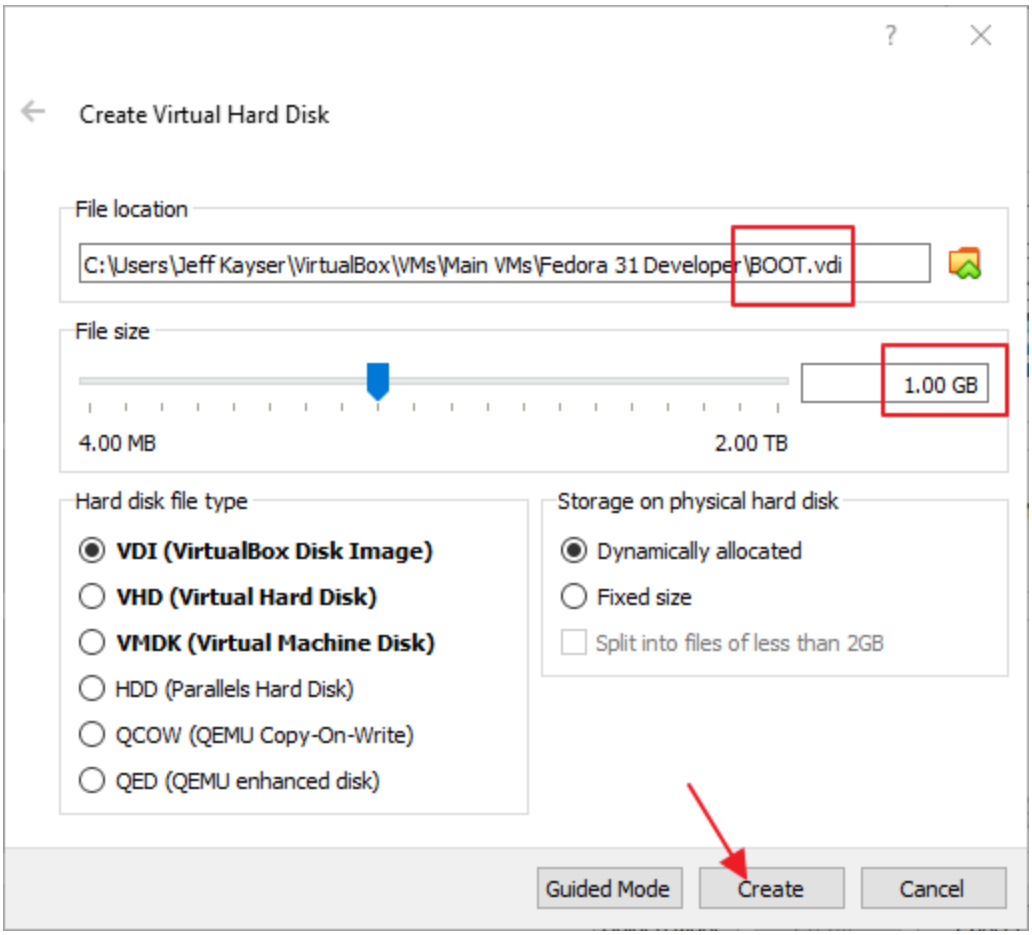


Name: Fedora 31 Developer

Memory Size: 4096

Click: Create

Step 035 – Create Fedora 31 Workstation VM

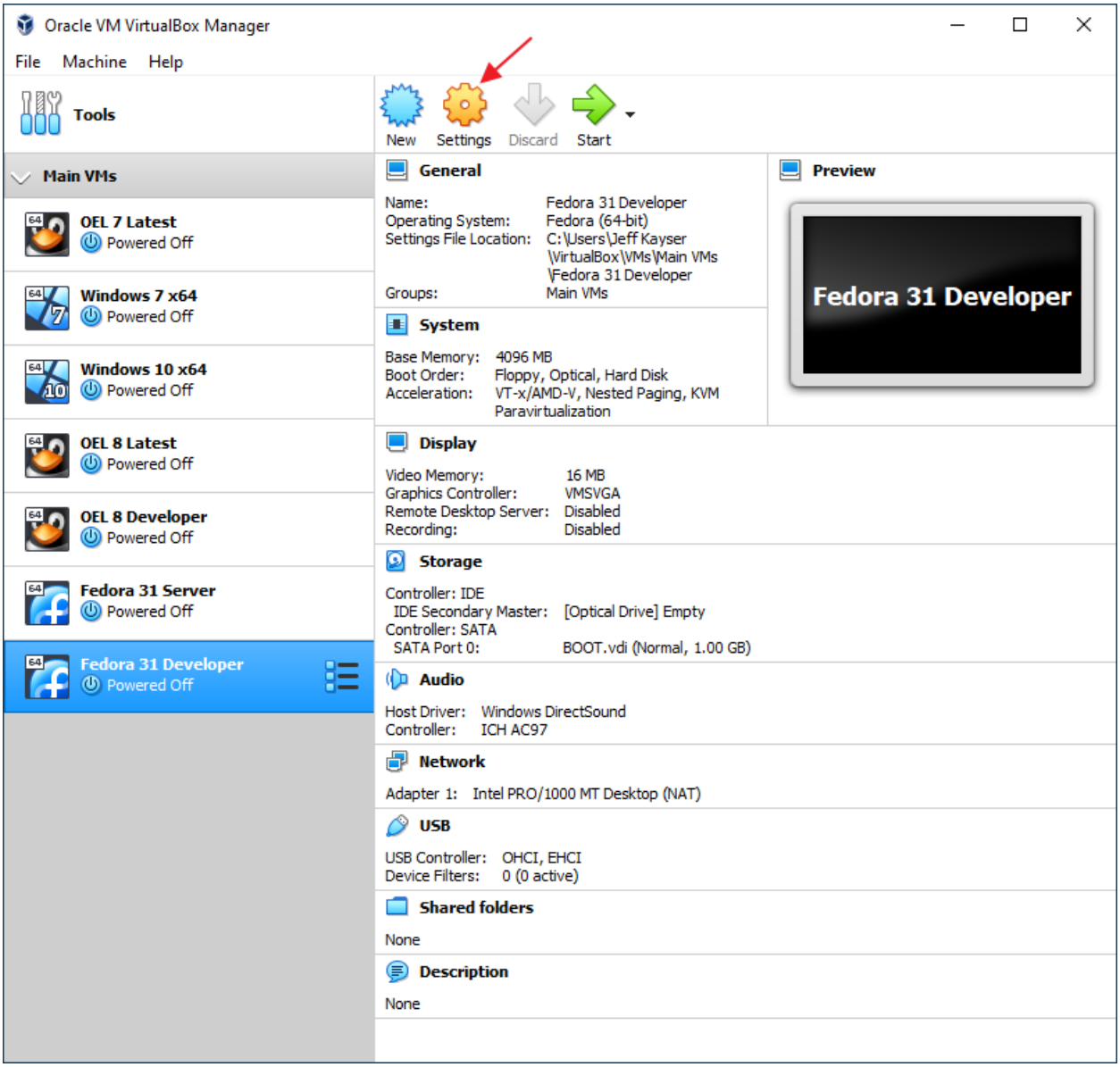


File location: …/BOOT.vdi

Disk size: 1 GB

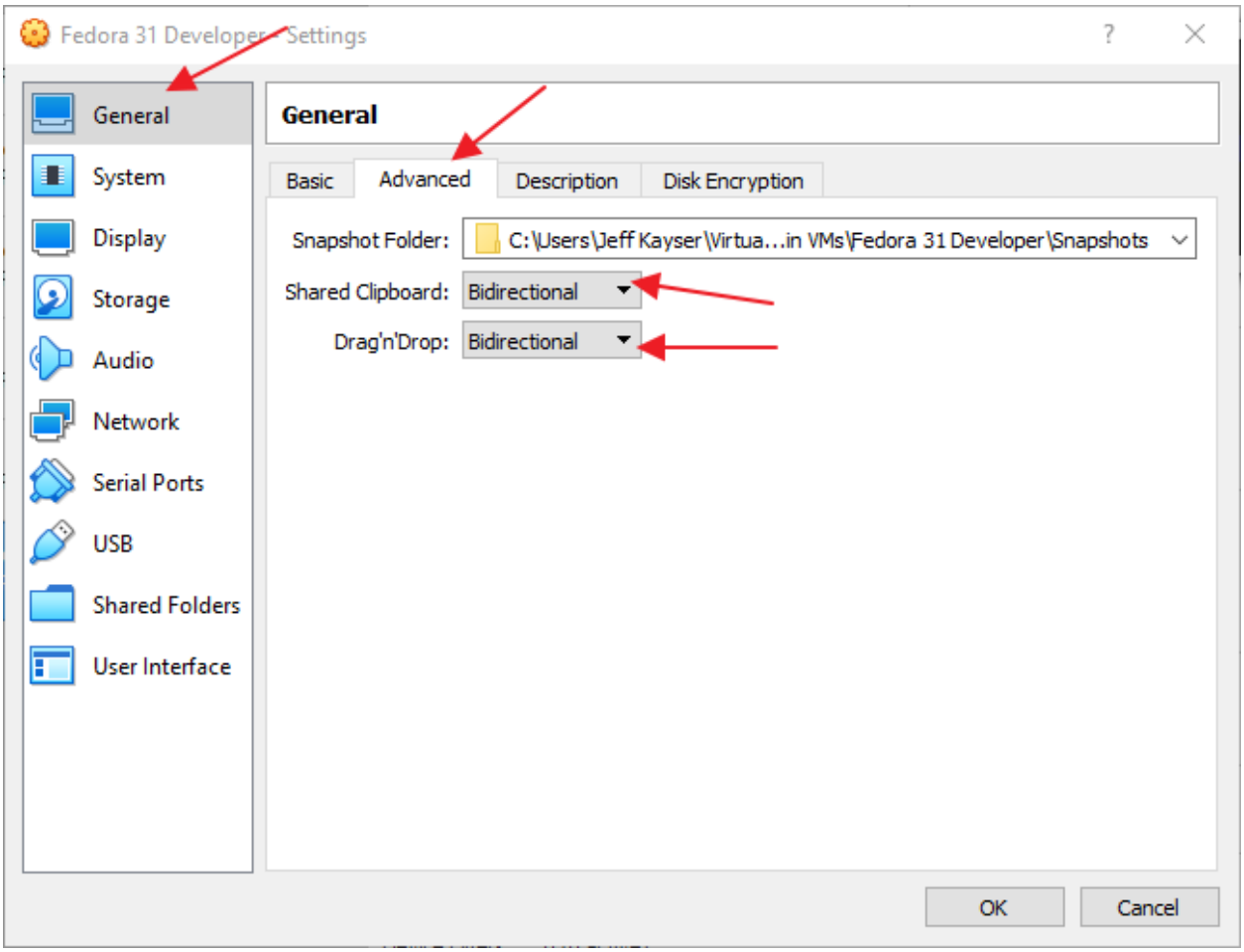
Click: Create

Step 035 – Create Fedora 31 Workstation VM



Click: Settings

Step 035 – Create Fedora 31 Workstation VM



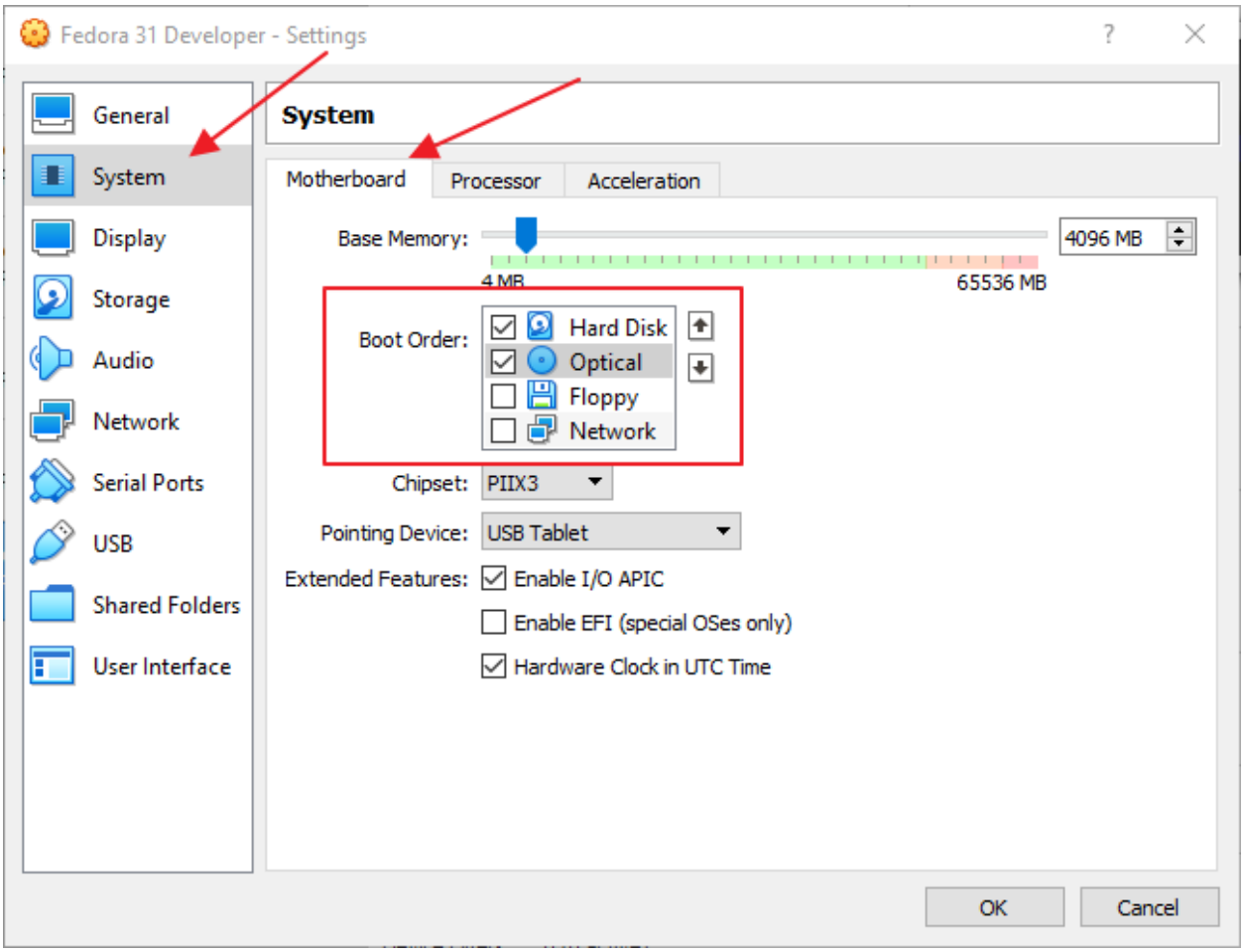
Section: General

Tab: Advanced

Shared Clipboard: Bidirectional

Drag’n’Drop: Bidirectional

Step 035 – Create Fedora 31 Workstation VM



Section: System

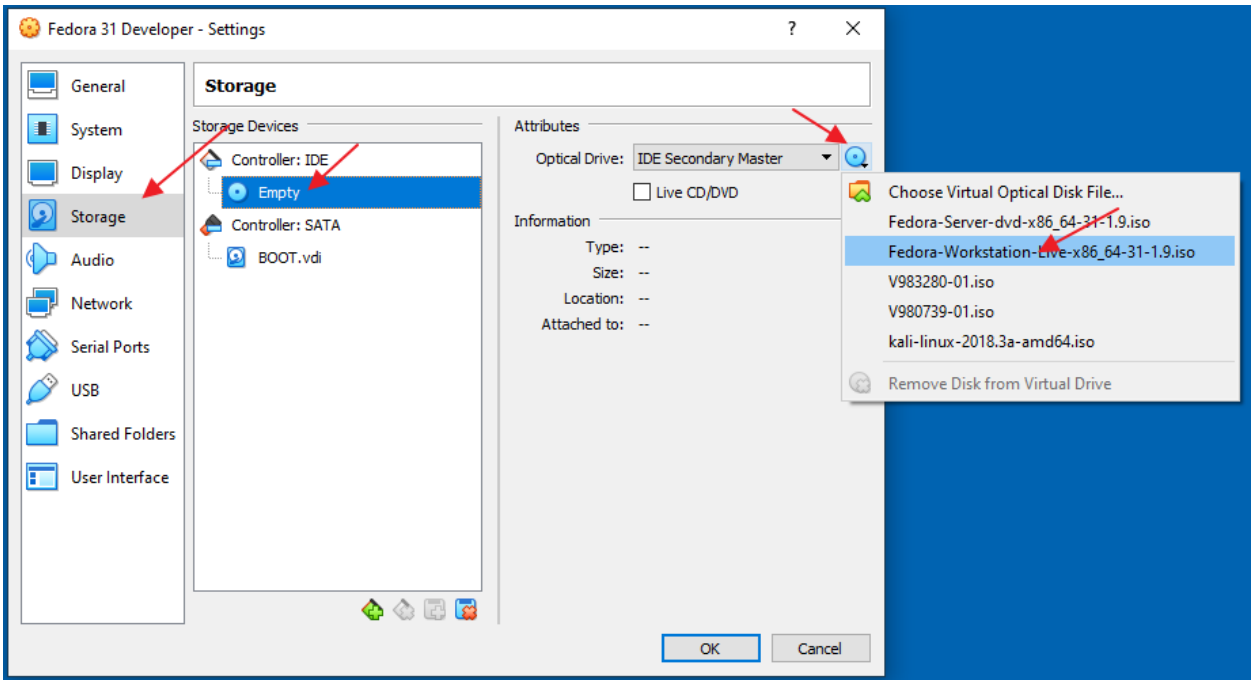
Tab: Motherboard

Boot Order: 1: Hard Disk (checked)

Boot Order: 2: Optical (checked)

Boot Order: 3: Floppy (unchecked)

Step 035 – Create Fedora 31 Workstation VM



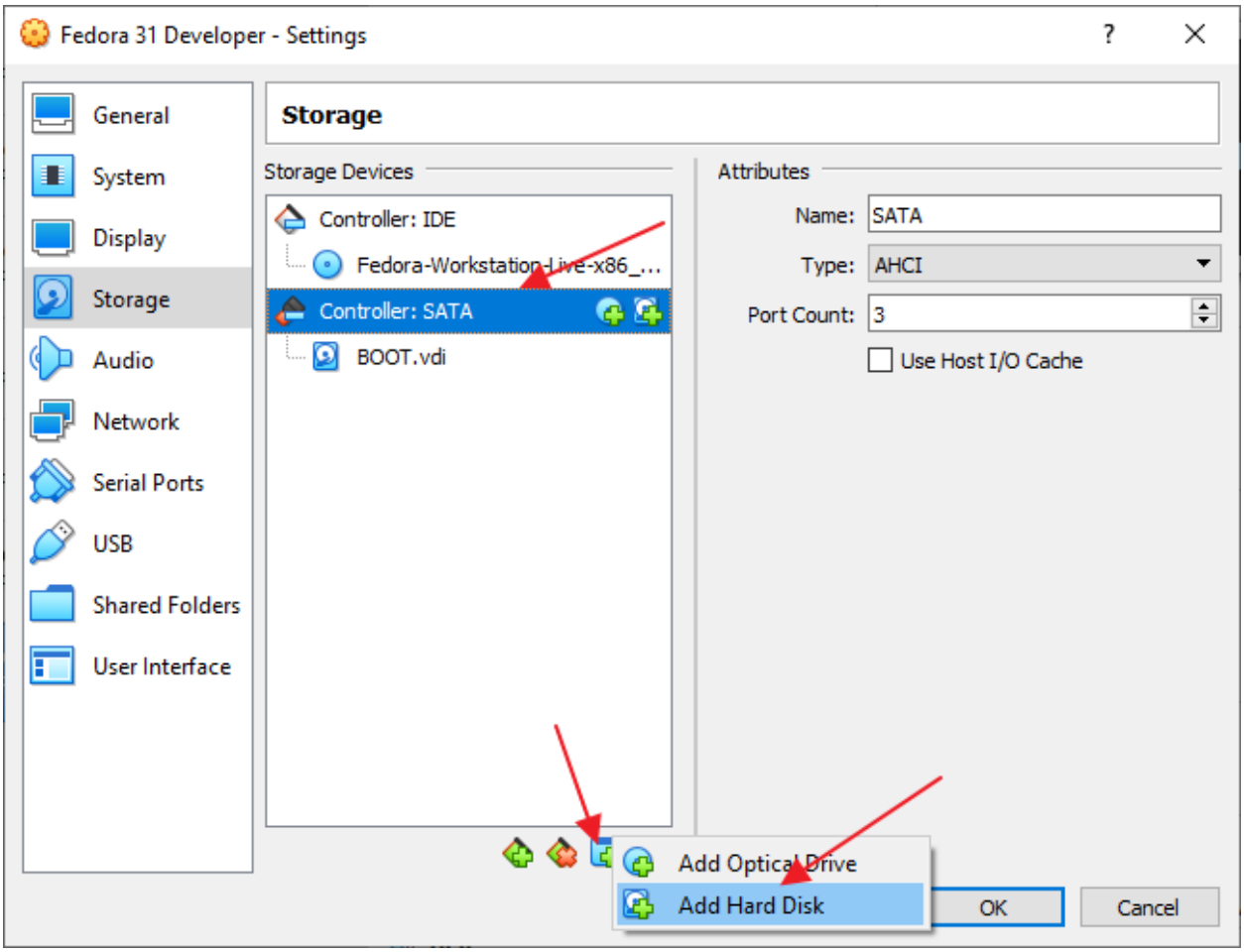
Section: Storage

Click: Optical drive (Empty)

Attributes: Click disk chooser

Click: Fedora Workstation 31 x86_64 ISO file.

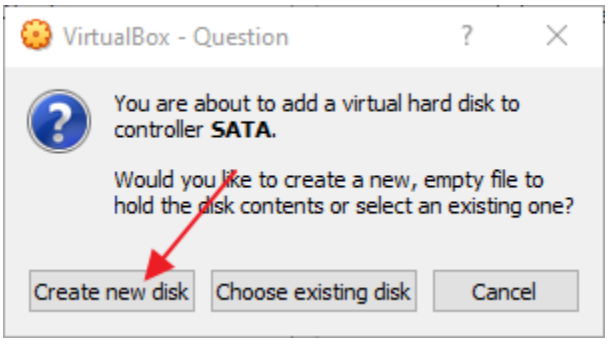
Step 035 – Create Fedora 31 Workstation VM



Click: Controller: SATA

Click: icon to add storage attachment

Click: Add Hard Disk

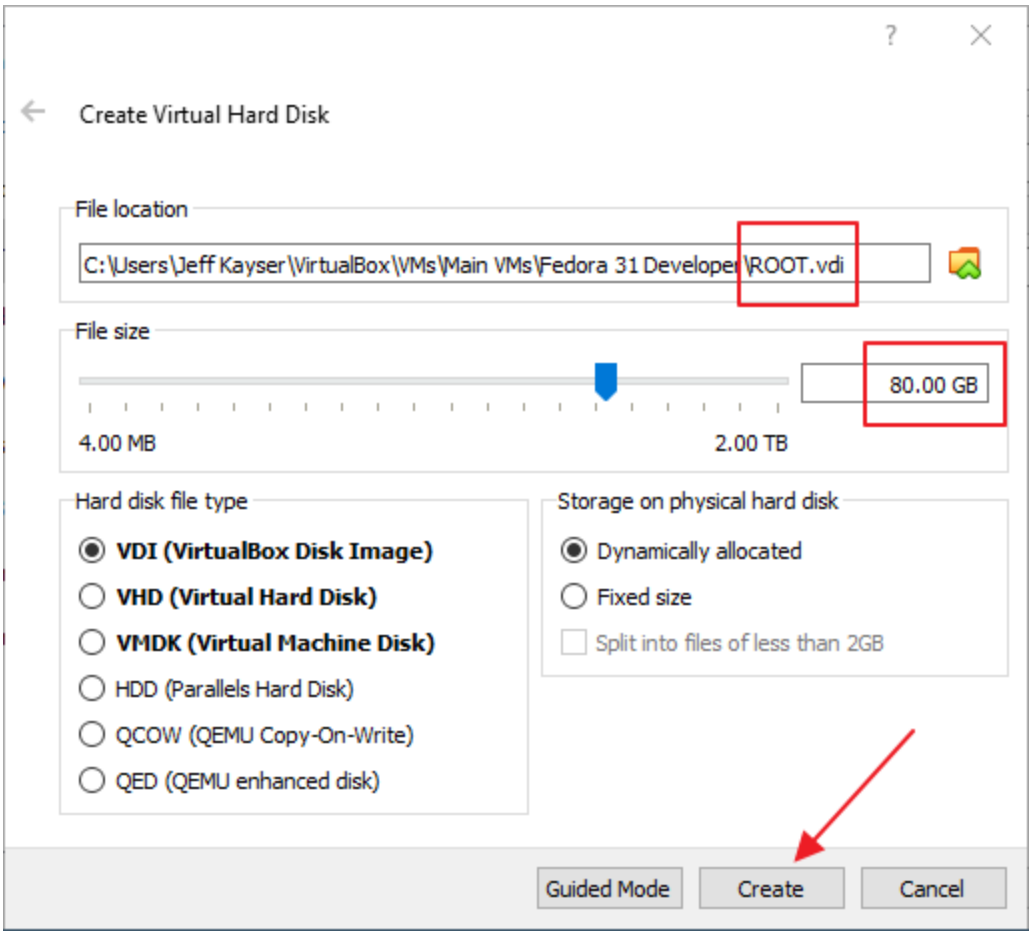


Click: Create new disk

Step 035 – Create Fedora 31 Workstation VM

Click: Expert Mode

Step 035 – Create Fedora 31 Workstation VM

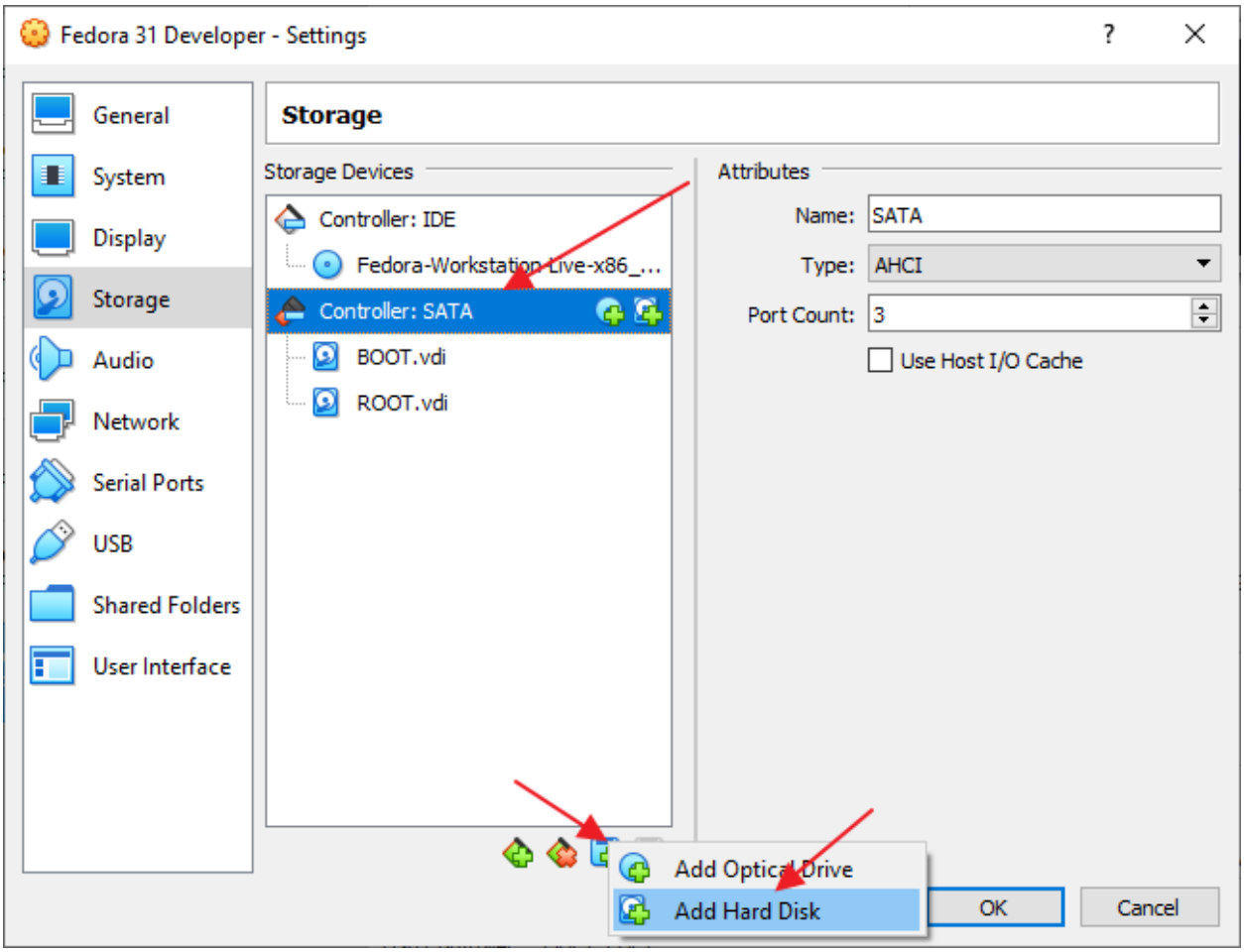


File location: …/ROOT.vdi

File Size: 80 GB

Click: Create

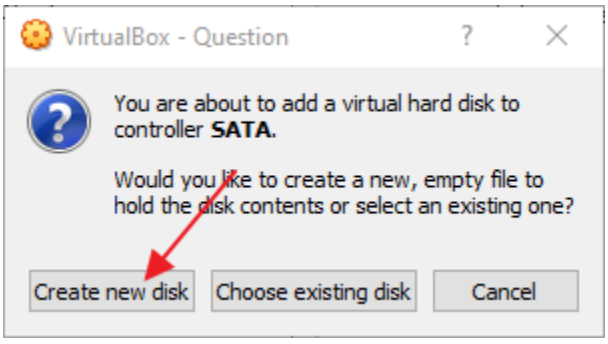
Step 035 – Create Fedora 31 Workstation VM



Click: Controller: SATA

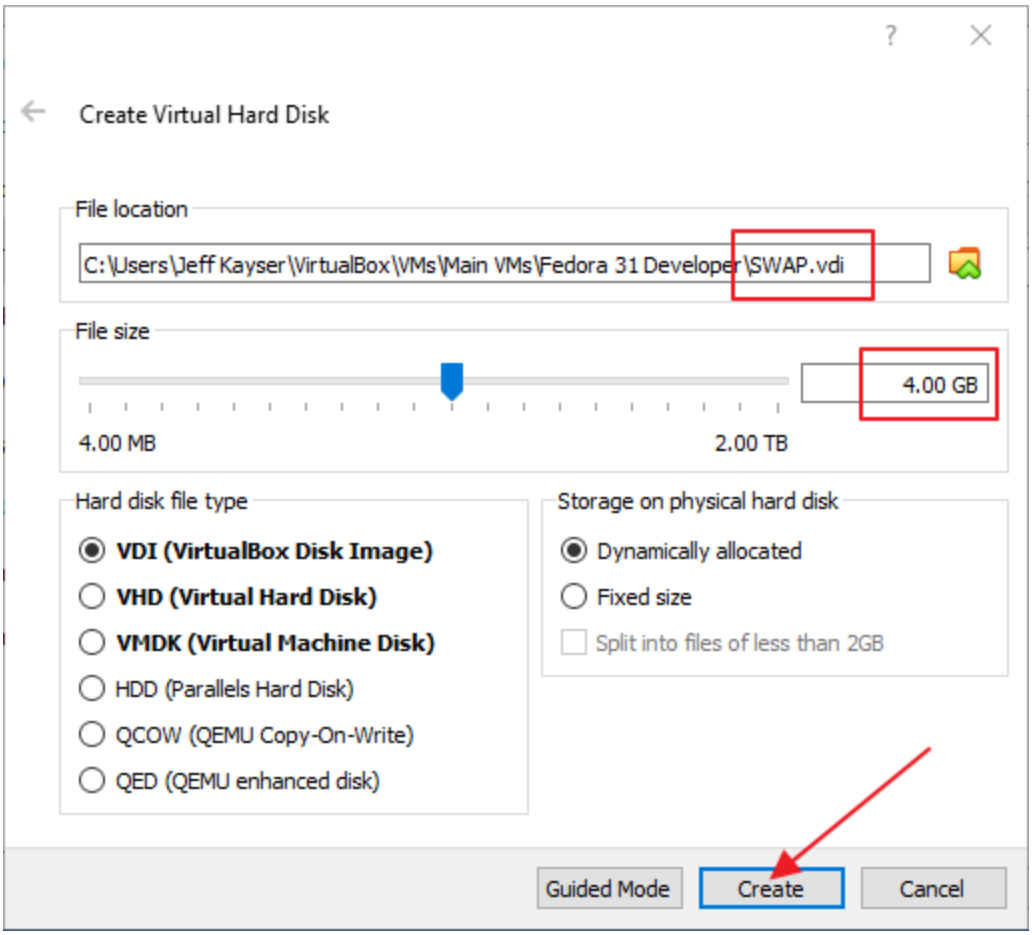
Click: icon to add storage attachment

Click: Add Hard Disk



Click: Create new disk

Step 035 – Create Fedora 31 Workstation VM

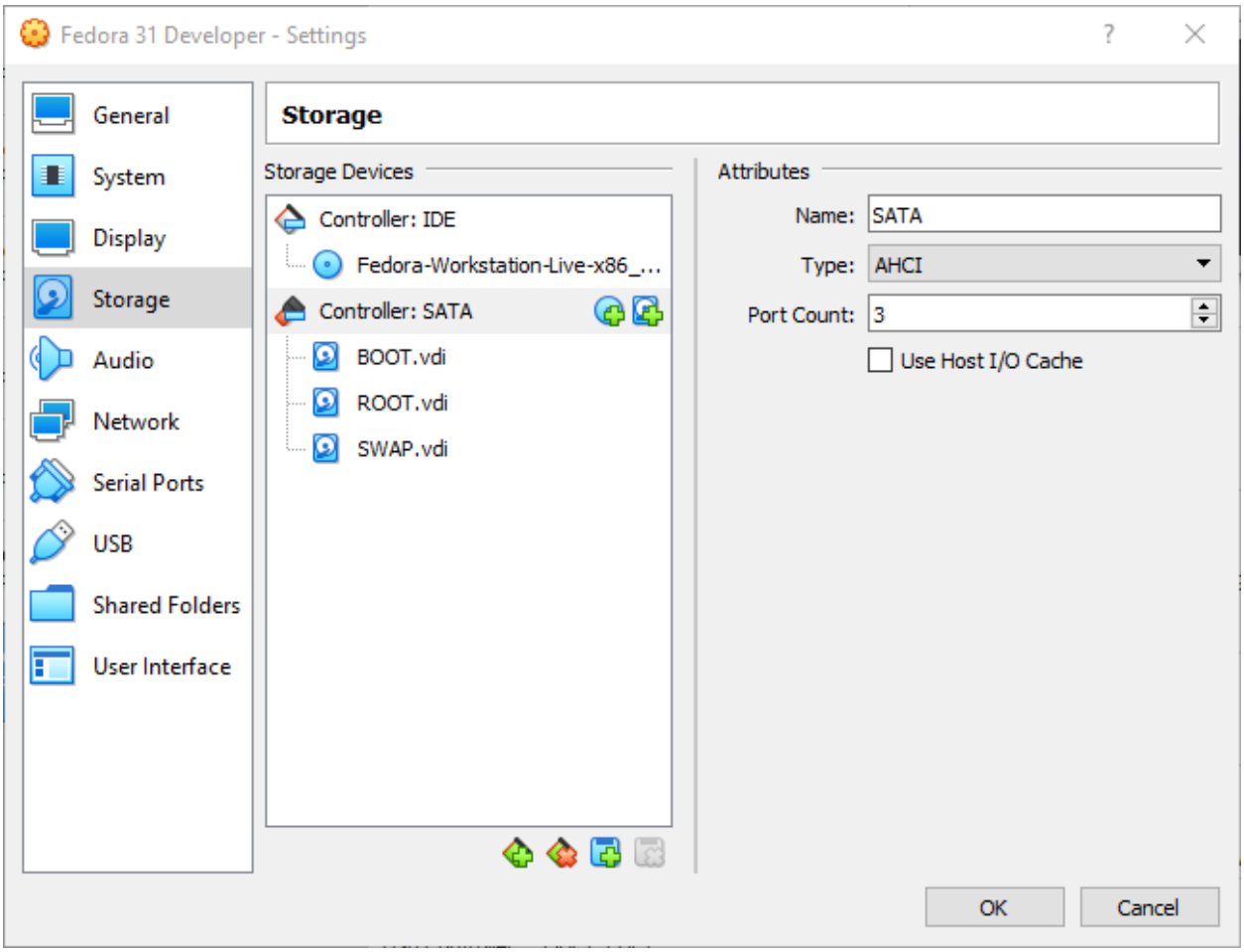


File location: …/SWAP.vdi

File Size: 4 GB

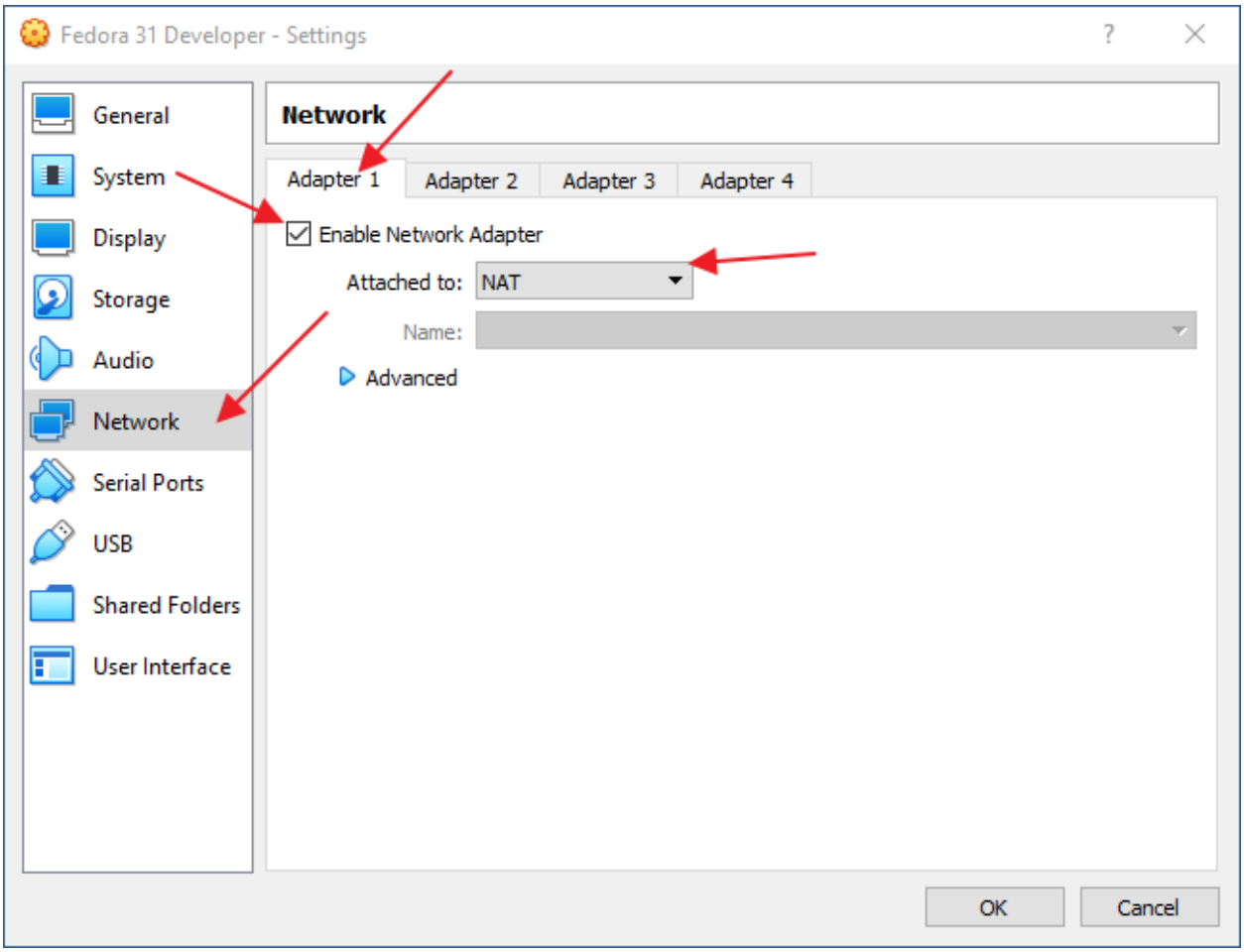
Click: Create

Step 035 – Create Fedora 31 Workstation VM



Continuing on. . .

Step 035 – Create Fedora 31 Workstation VM



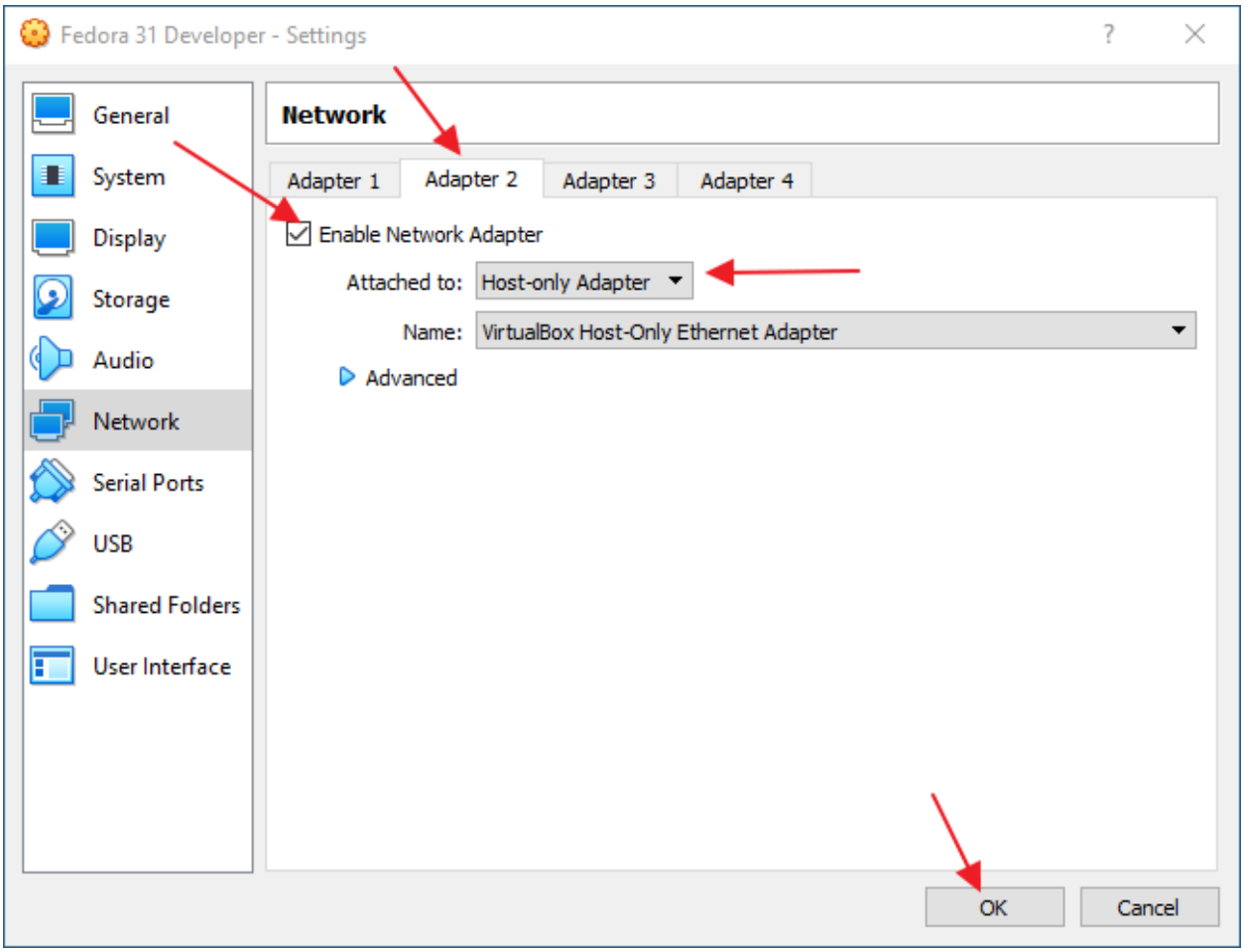
Section: Network

Tab: Adapter 1

Check: Enable Network Adapter

Attached to: NAT

Step 035 – Create Fedora 31 Workstation VM



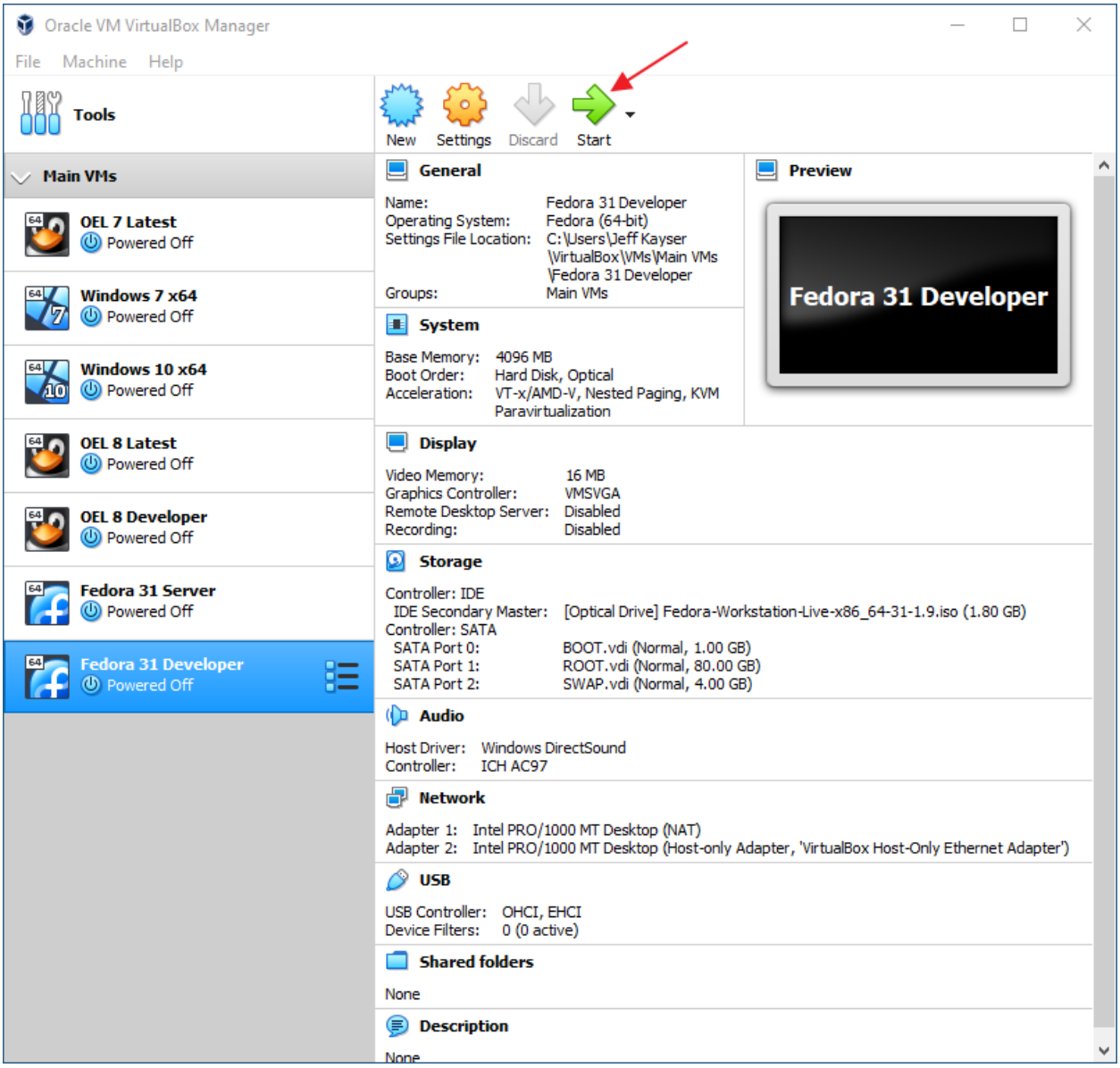
Tab: Adapter 2

Check: Enable Network Adapter

Attached to: Host-only Adapter

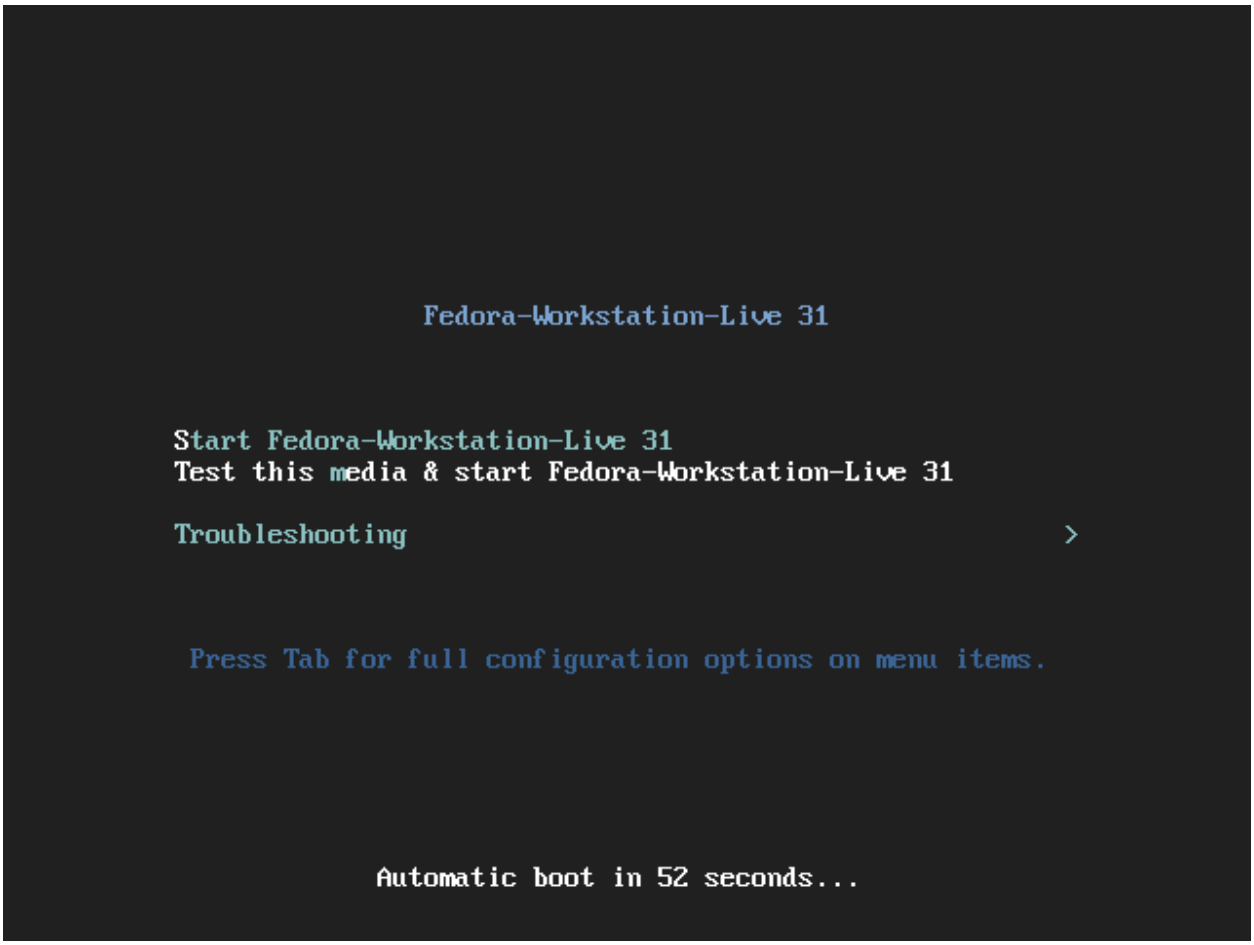
Click: OK

Step 035 – Create Fedora 31 Workstation VM



Click: Start

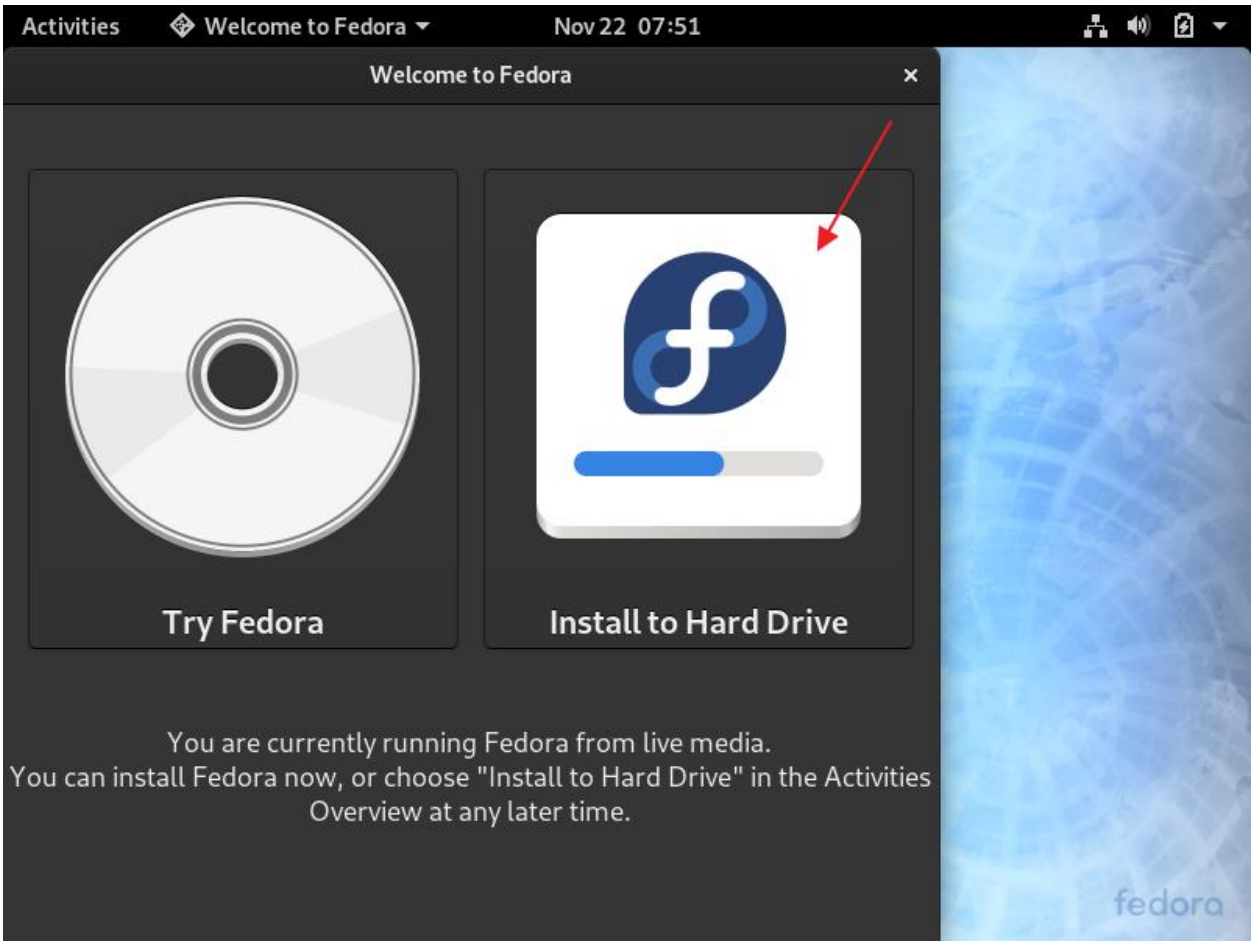
Step 035 – Create Fedora 31 Workstation VM



Highlight: Test this media & start Fedora-Workstation-Live 31

Click: Enter

Step 035 – Create Fedora 31 Workstation VM

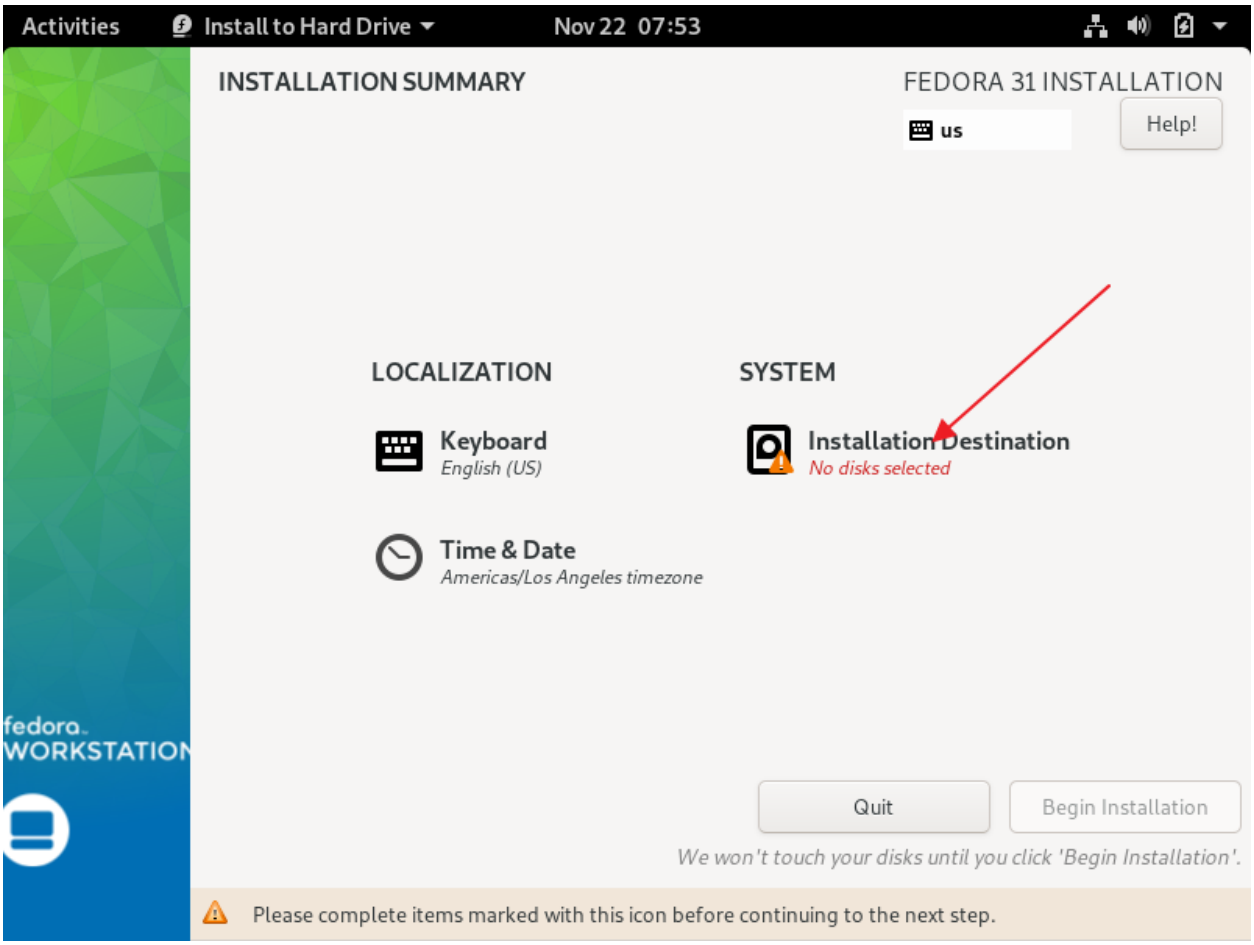


Click: Install to Hard Drive

Step 035 – Create Fedora 31 Workstation VM

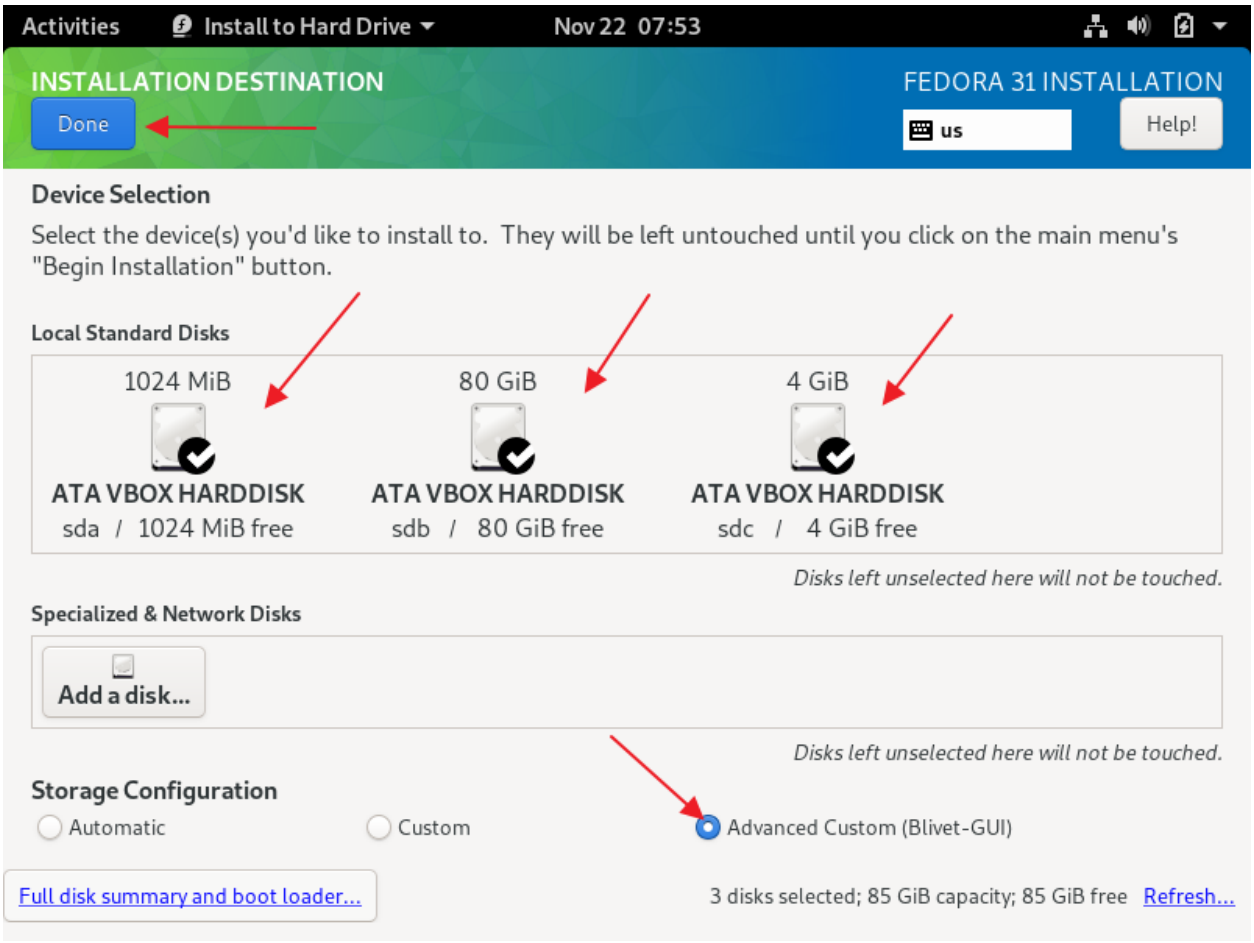
Click: Continue

Step 035 – Create Fedora 31 Workstation VM



Click: Installation Destination

Step 035 – Create Fedora 31 Workstation VM

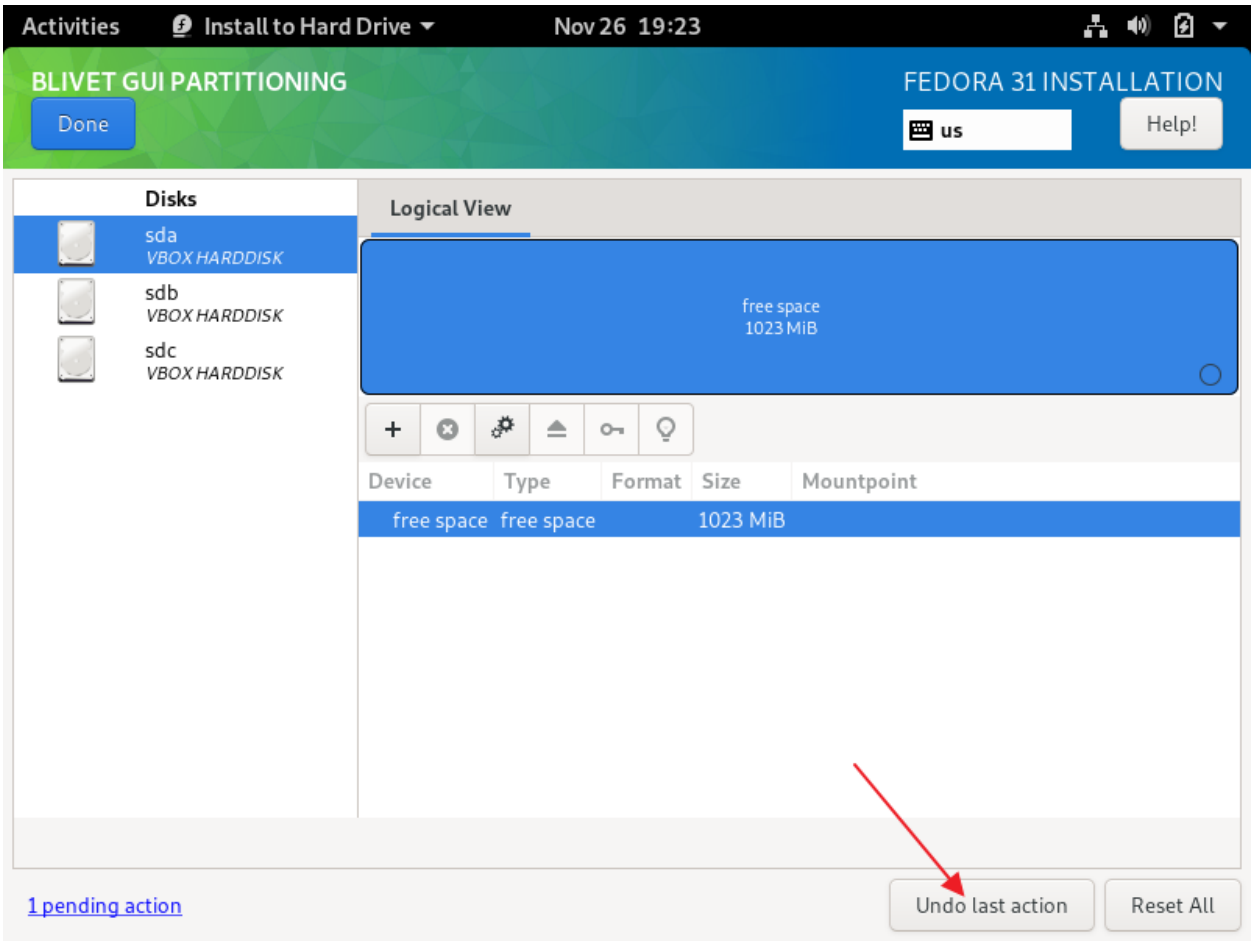


Select: All disks

Select: Advanced Custom (Blivet-GUI)

Click: Done

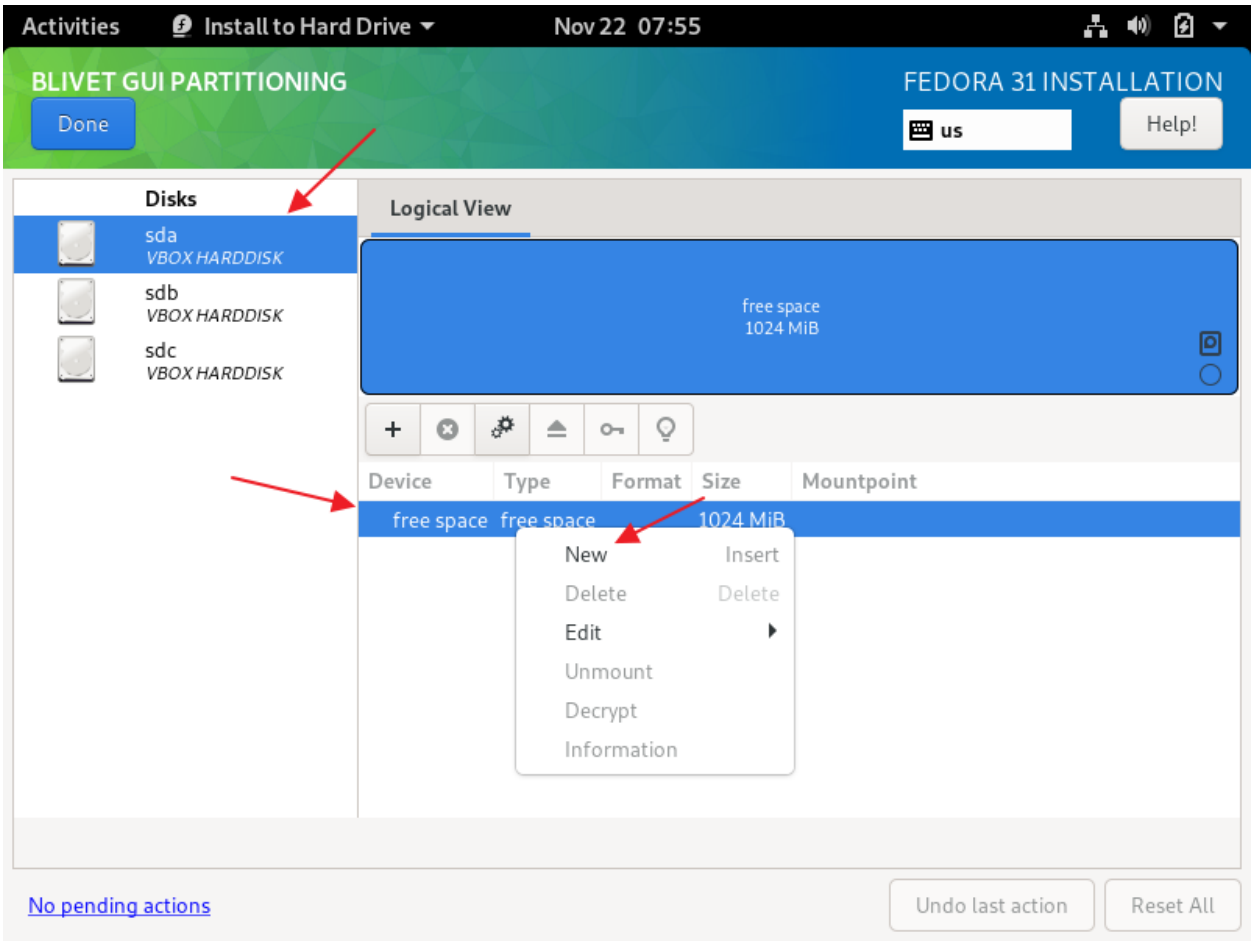
Step 035 – Create Fedora 31 Workstation VM



Click: Undo last action (otherwise, you won't be prompted for the type of partition table).

The default it to create msdos partitions, and you have to explicitly choose gpt if you want that type of partition table.

Step 035 – Create Fedora 31 Workstation VM

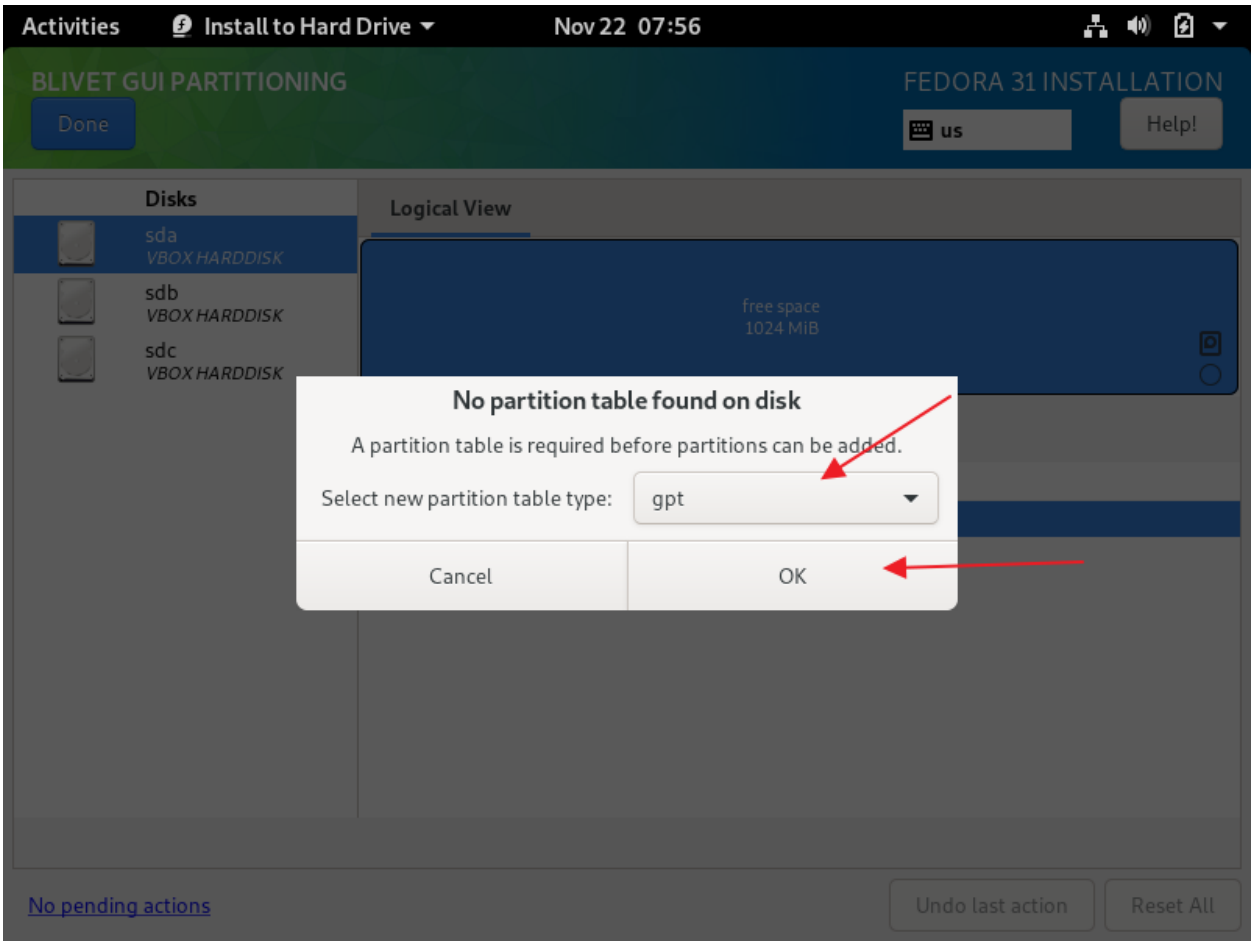


Select: sda (1GB)

Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM



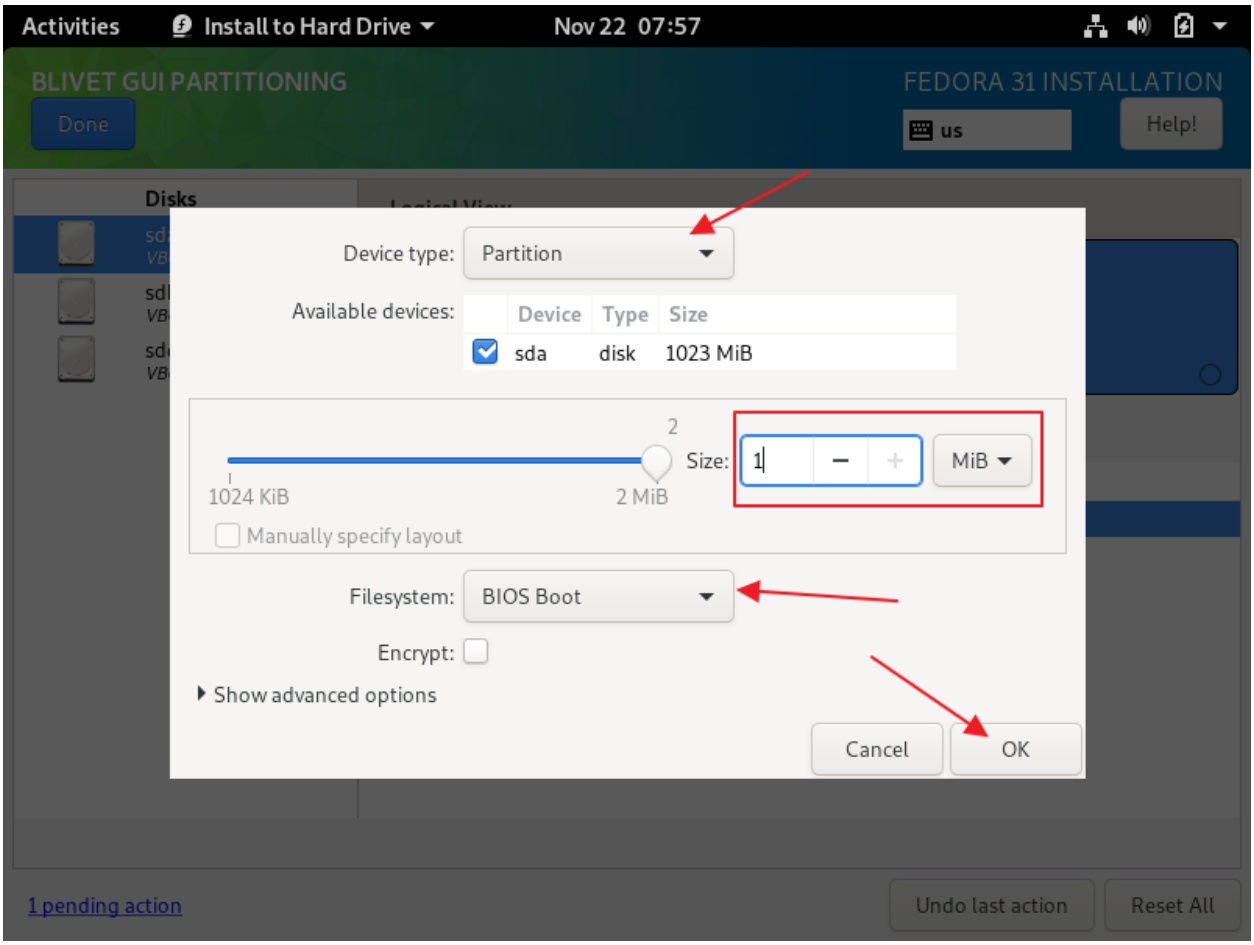
Partition table type: gpt

Click: OK

Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM



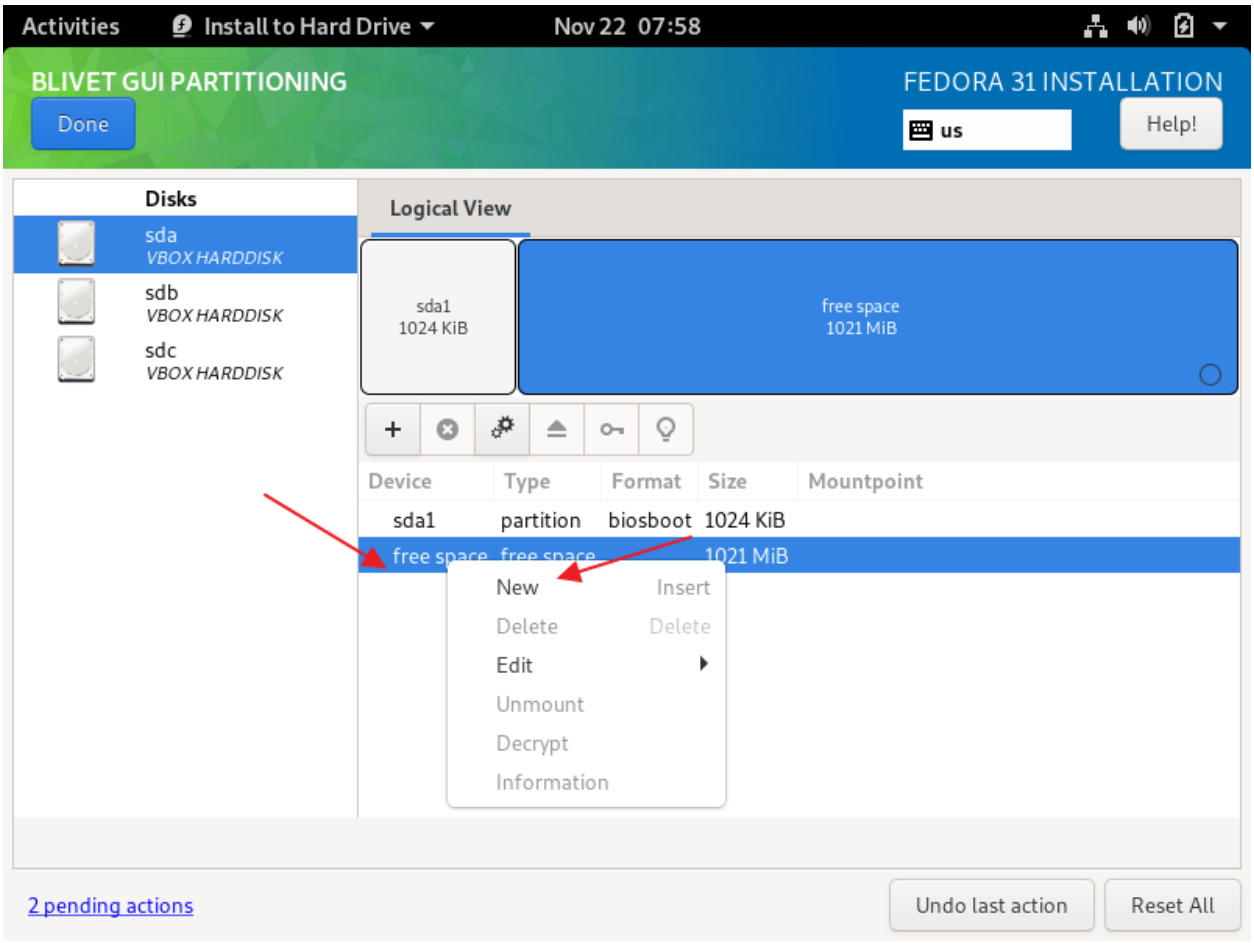
Device type: Partition

Size: 1 MiB

Filesystem: BIOS Boot

Click: OK

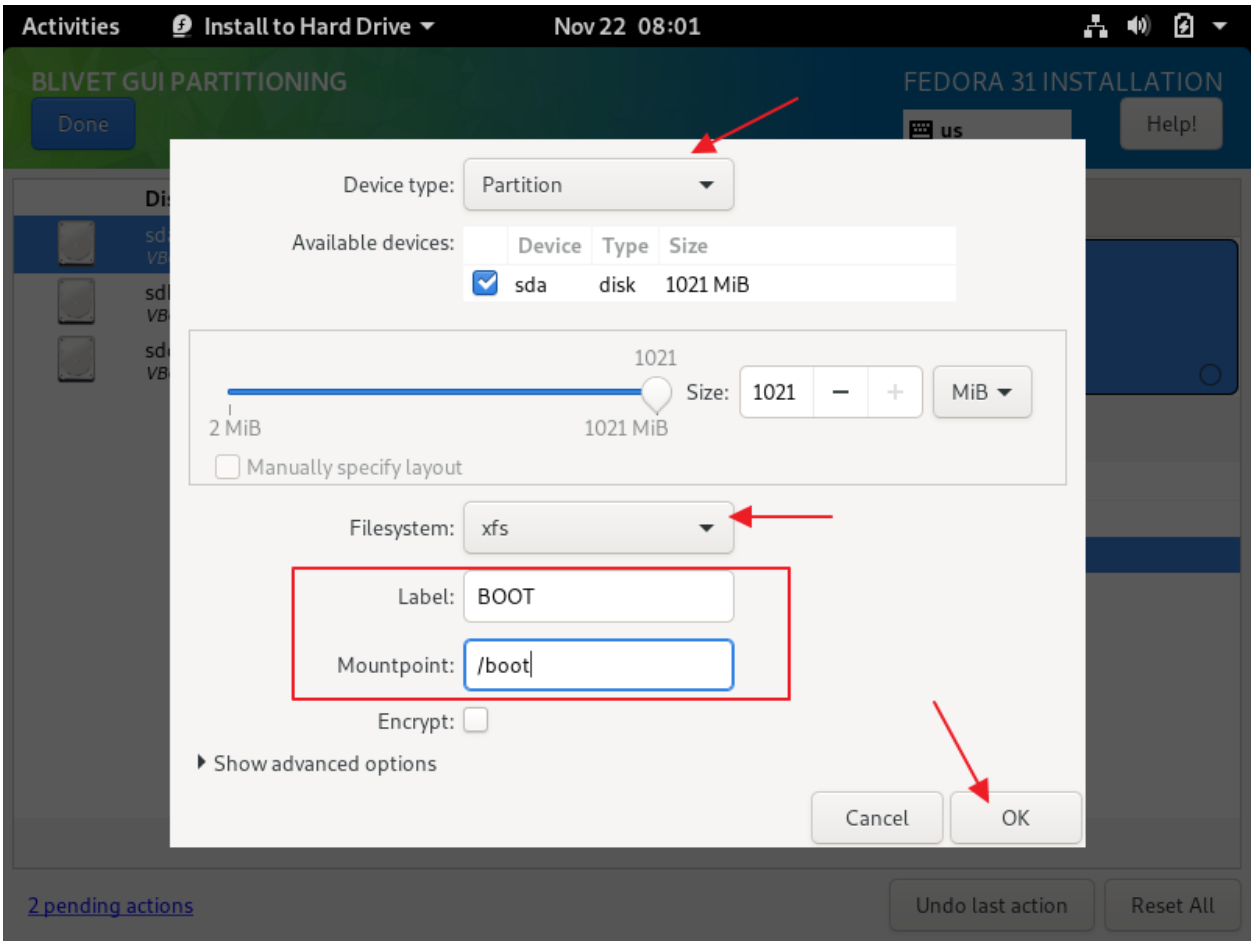
Step 035 – Create Fedora 31 Workstation VM



Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM



Device type: Partition

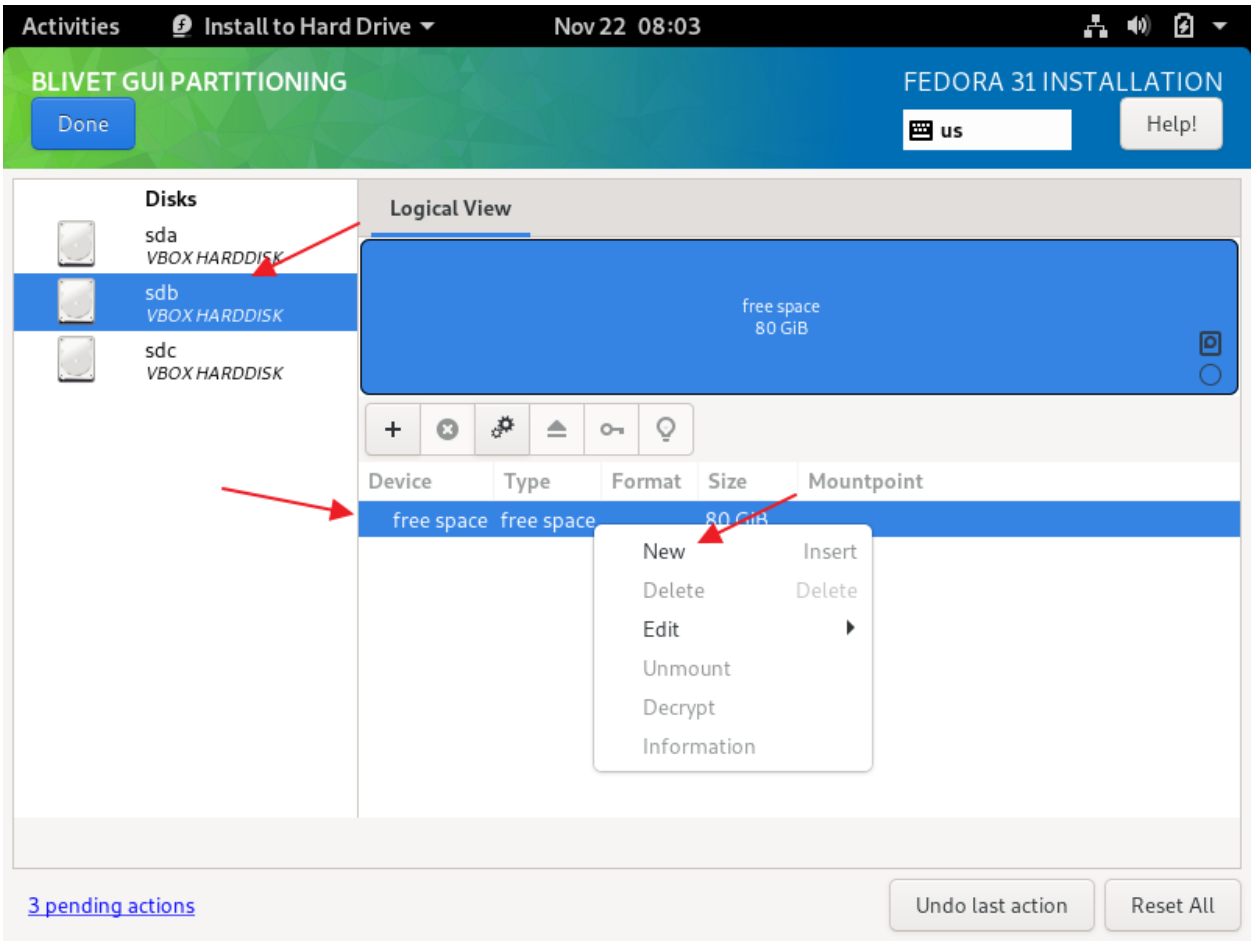
Fiesystem: xfs

Label: BOOT

Mountpoint: /boot

Click: OK

Step 035 – Create Fedora 31 Workstation VM

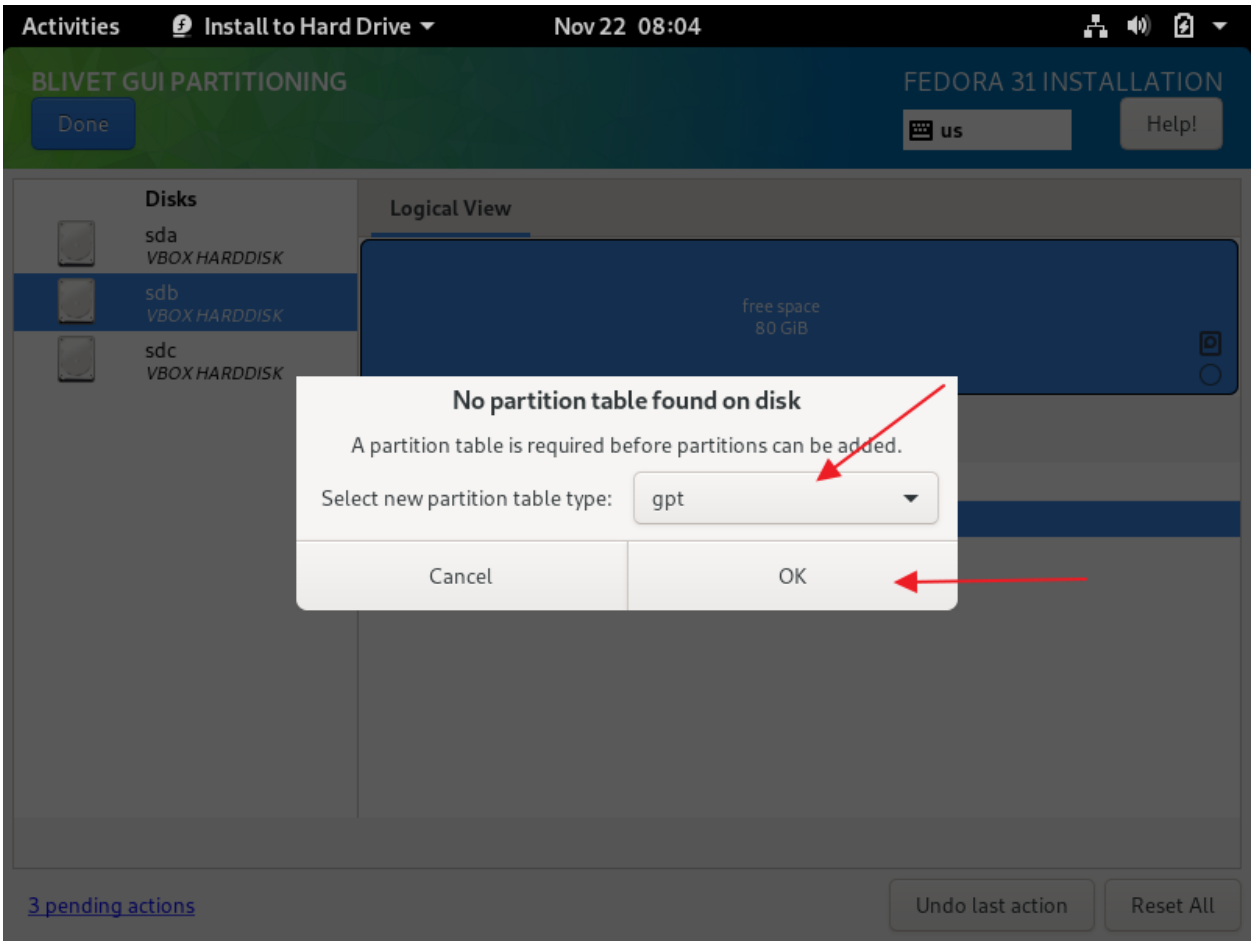


Select: sdb (80 GB)

Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM



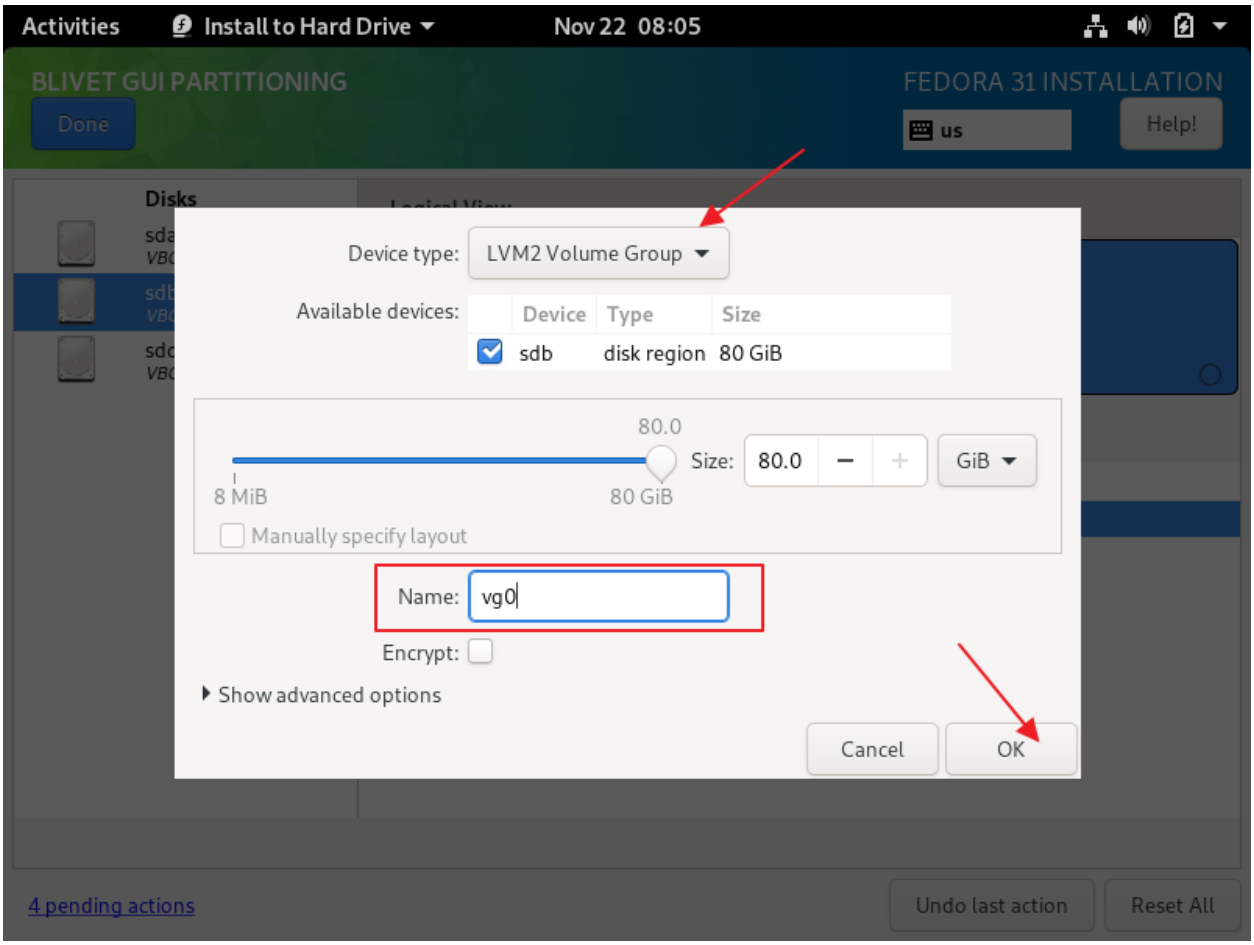
Partition table type: gpt

Click: OK

Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM

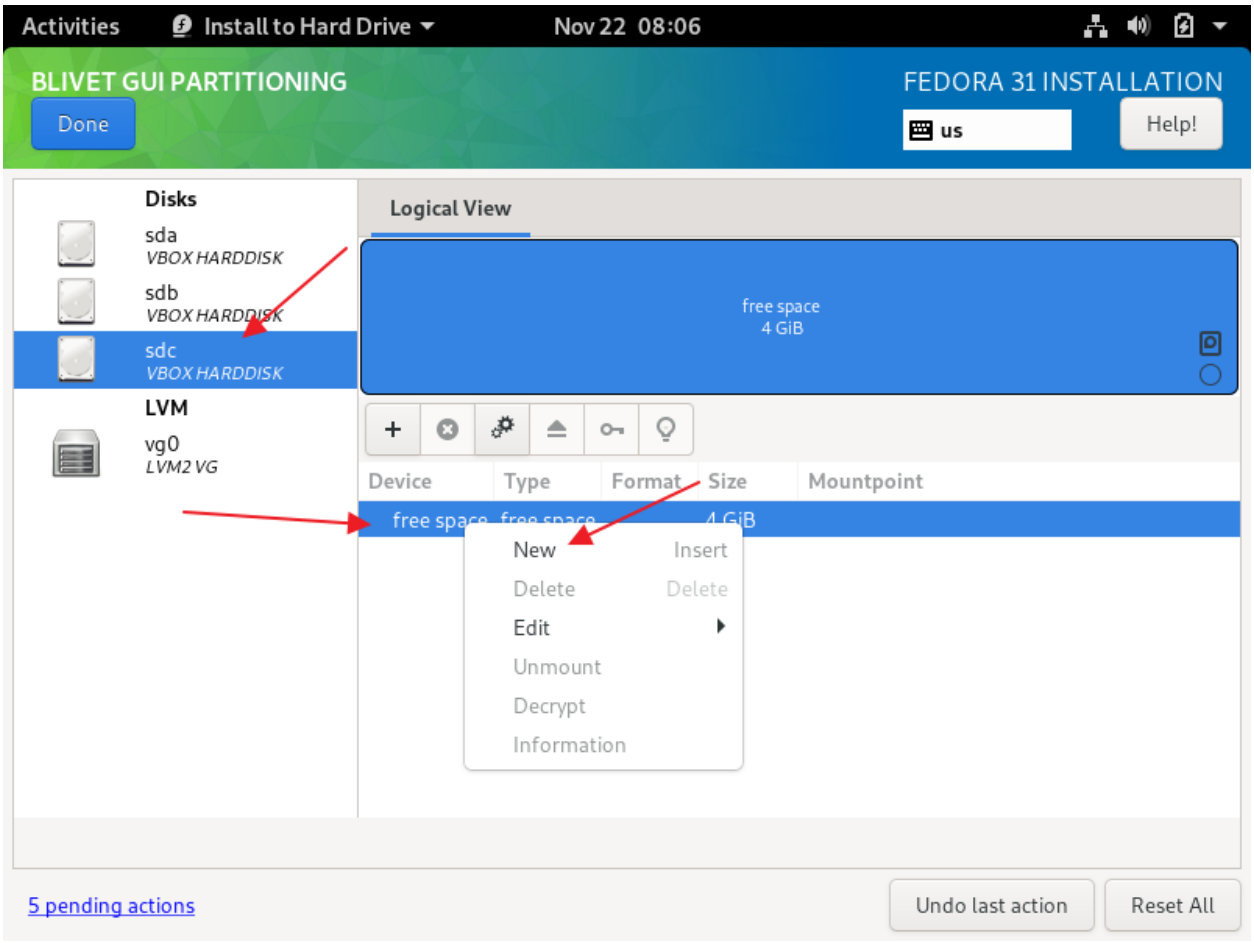


Device type: LVM2 Volume Group

Name : vg0

Click : OK

Step 035 – Create Fedora 31 Workstation VM

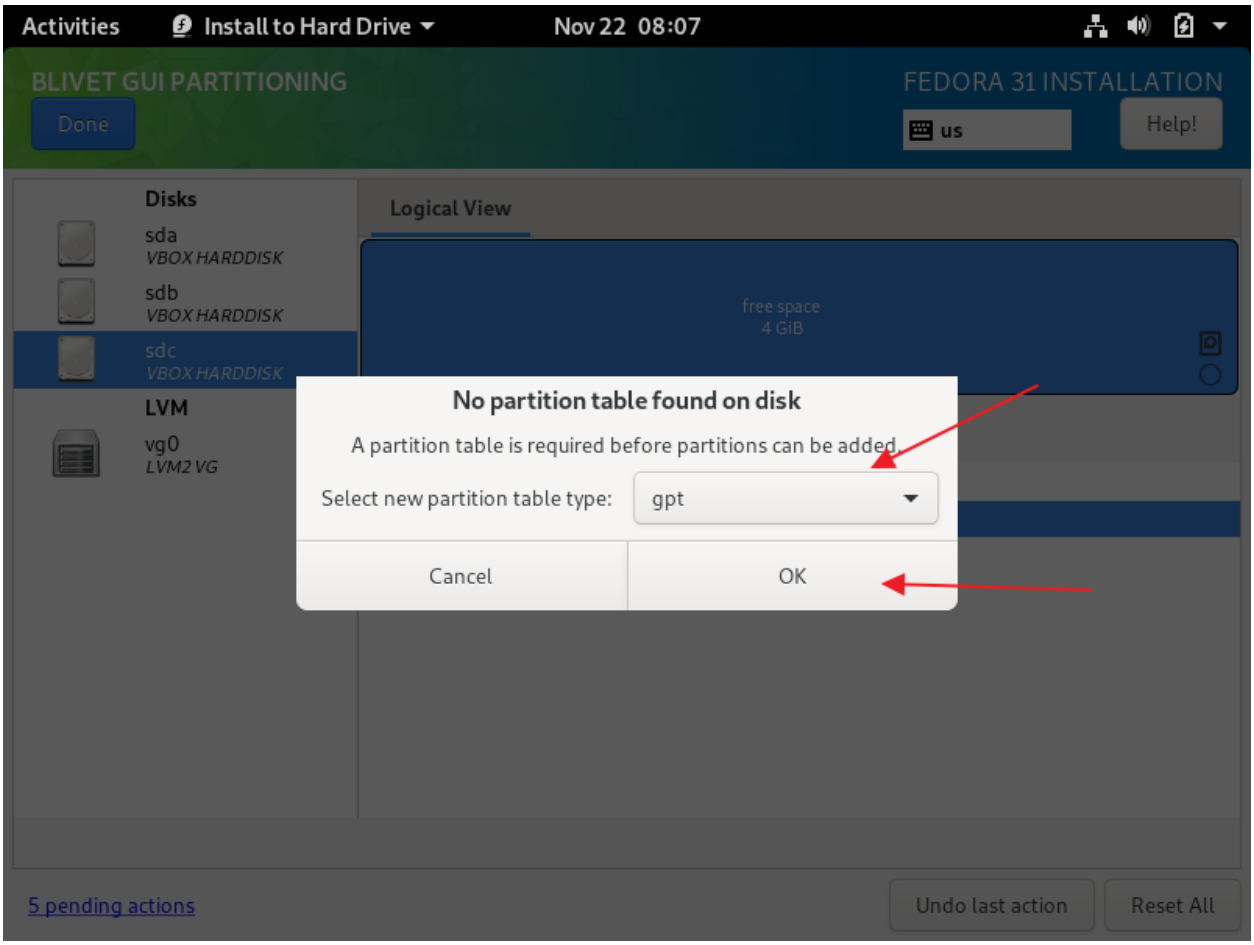


Select : sdc (4 GB)

Right-click : free space

Click : New

Step 035 – Create Fedora 31 Workstation VM



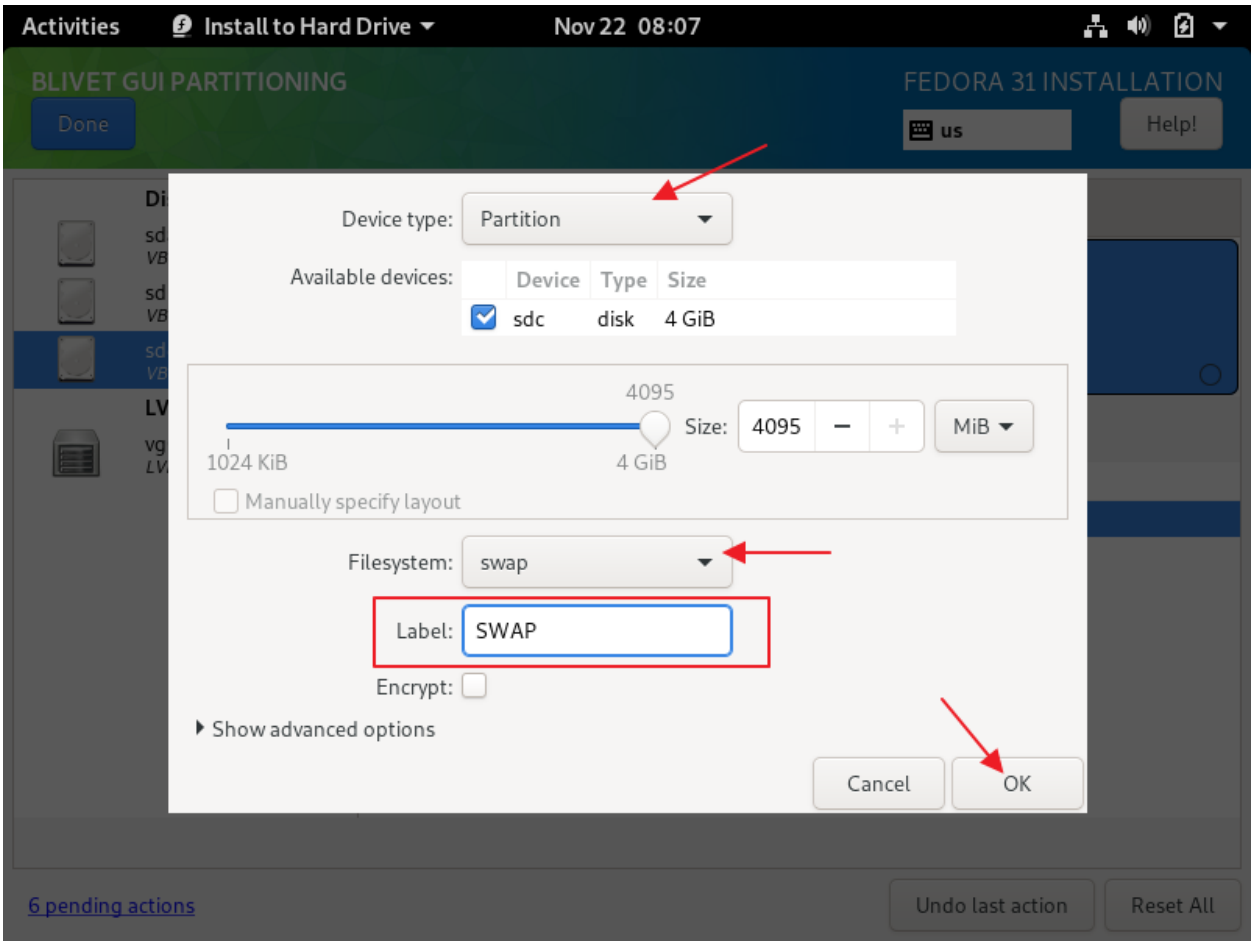
Partition table type : gpt

Click : OK

Right-click : free space

Click : New

Step 035 – Create Fedora 31 Workstation VM



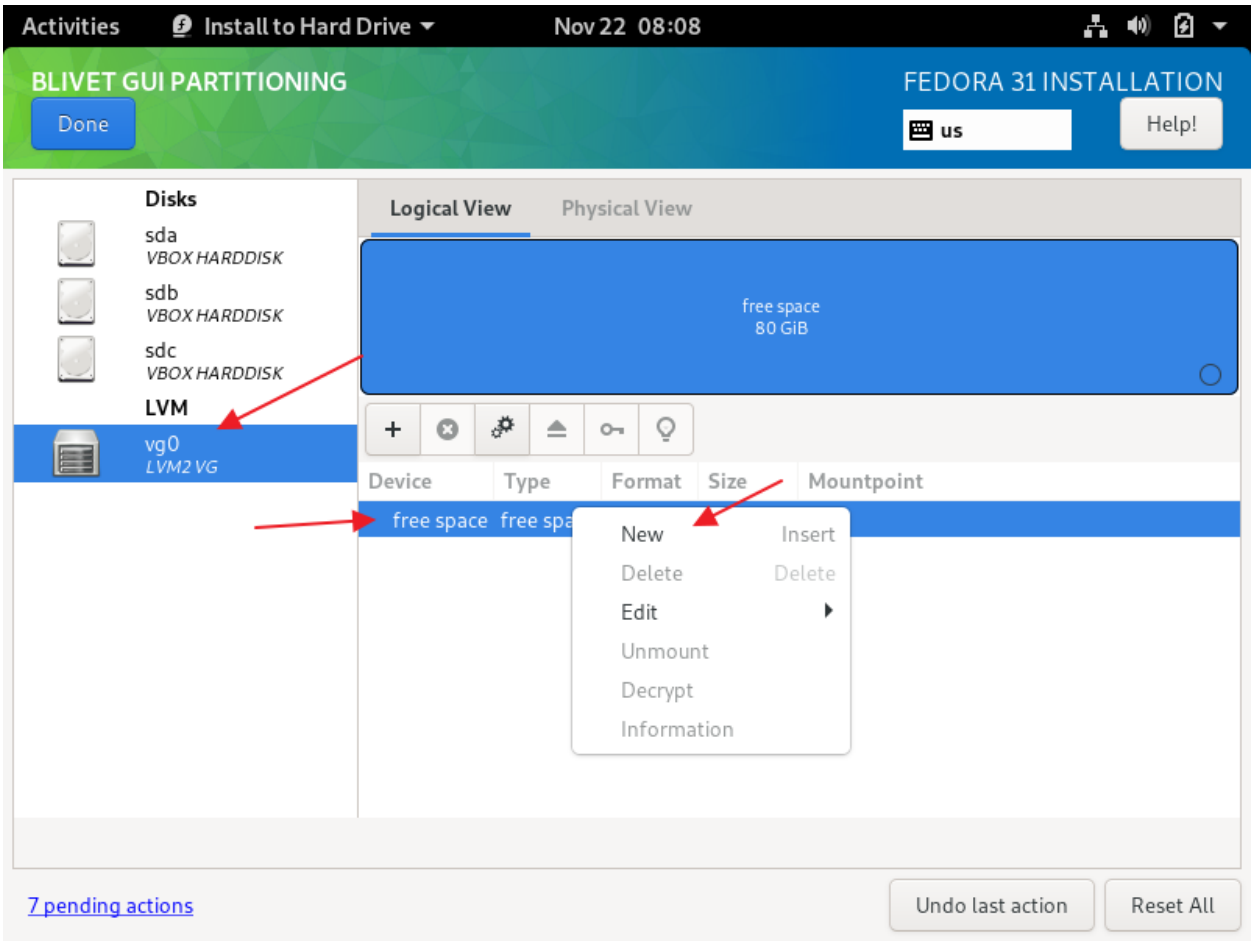
Device type: Partition

Filesystem: swap

Label: SWAP

Click: OK

Step 035 – Create Fedora 31 Workstation VM

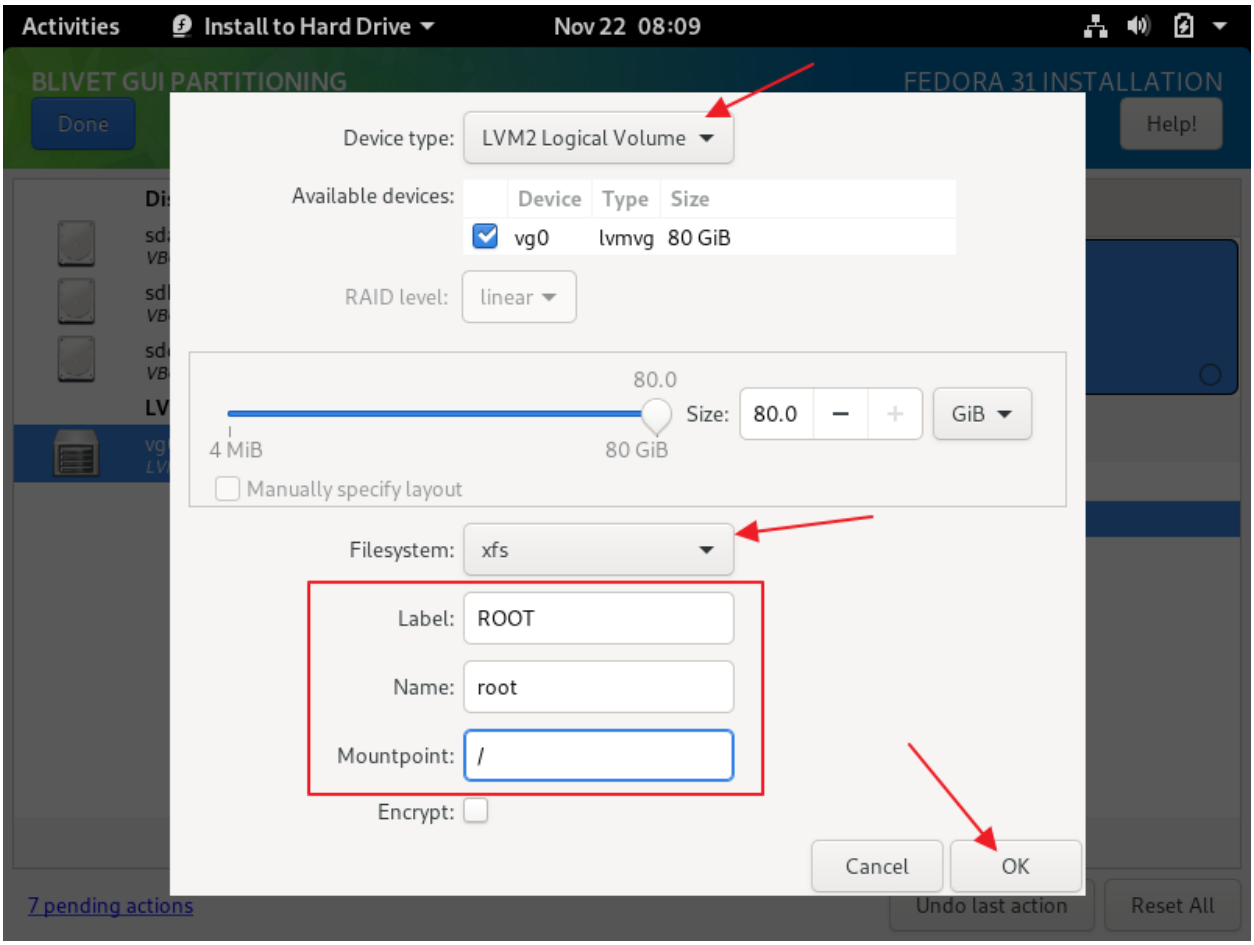


Select: vg LVM2 Volume Group

Right-click: free space

Click: New

Step 035 – Create Fedora 31 Workstation VM



Device type: LVM2 Logical Volume

Filesystem: xfs

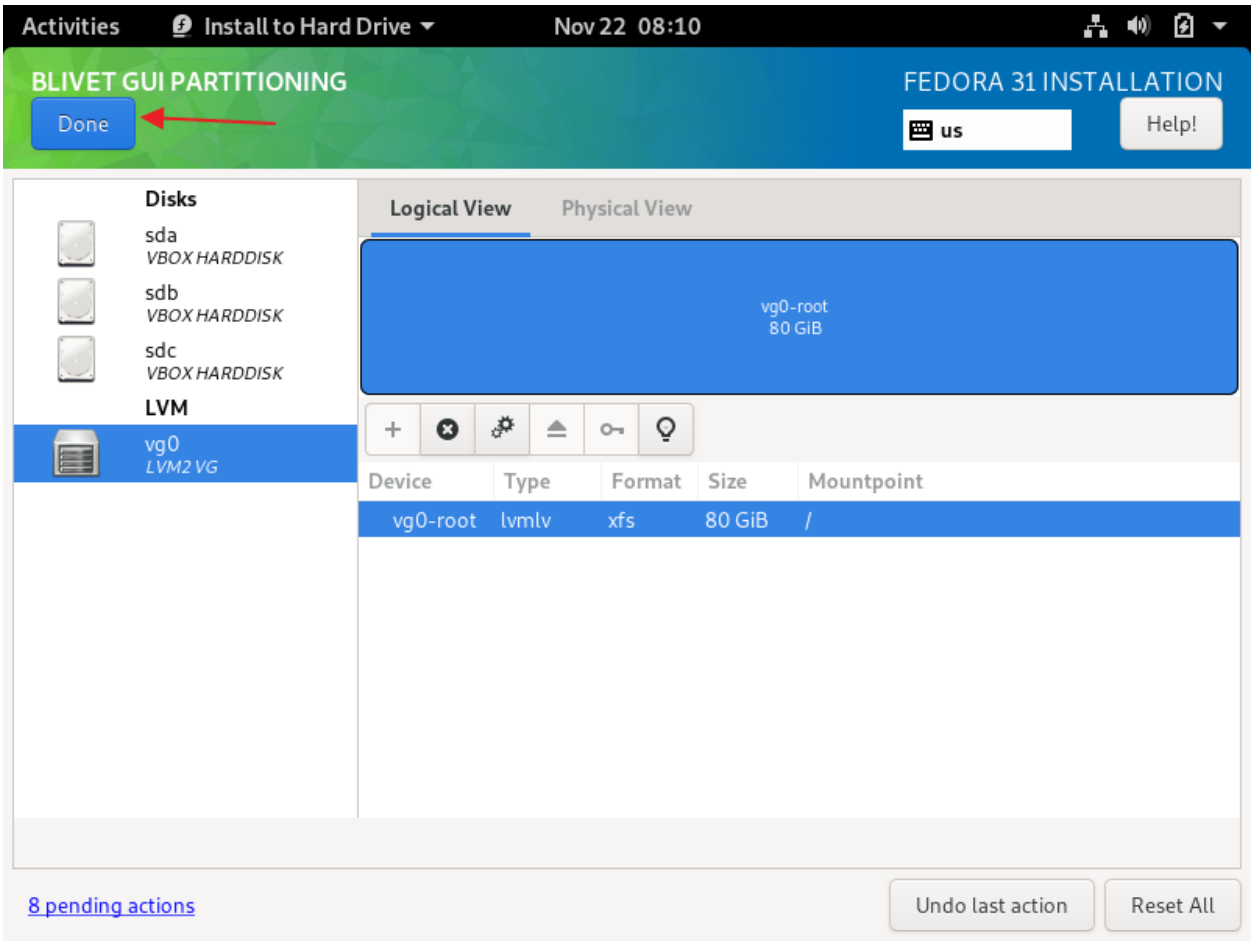
Label: ROOT

Name: root

Mountpoint: /

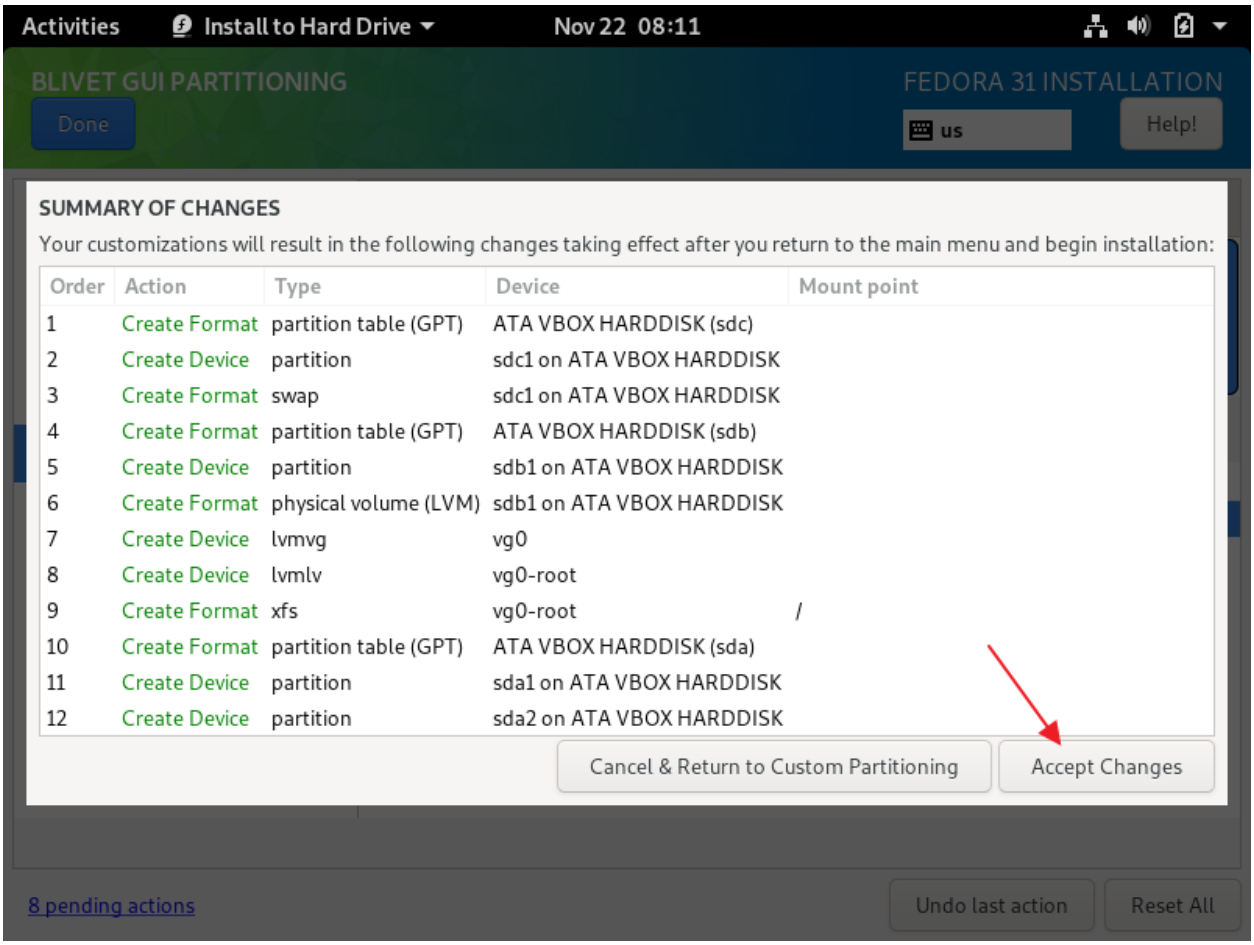
Click: OK

Step 035 – Create Fedora 31 Workstation VM



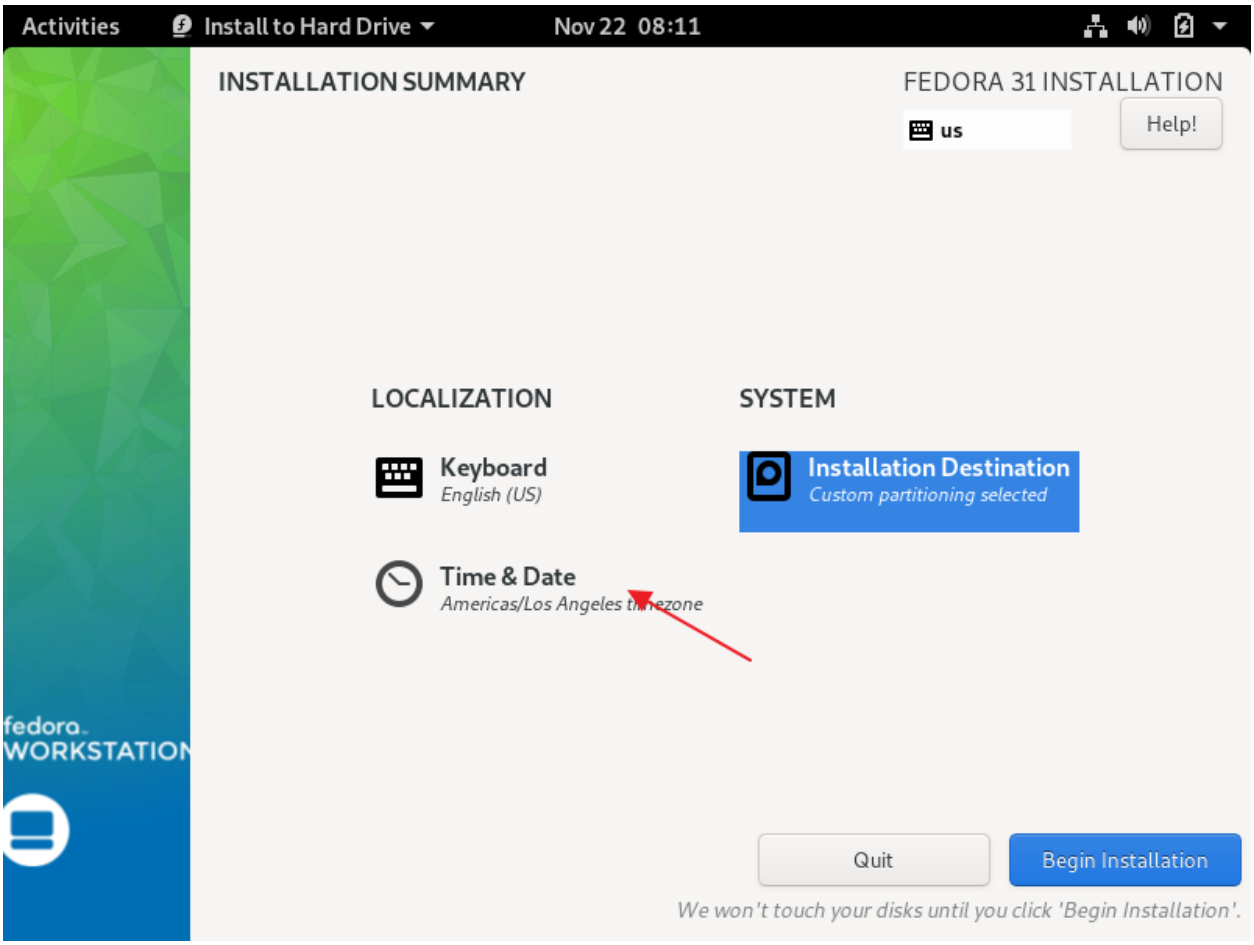
Click: Done

Step 035 – Create Fedora 31 Workstation VM



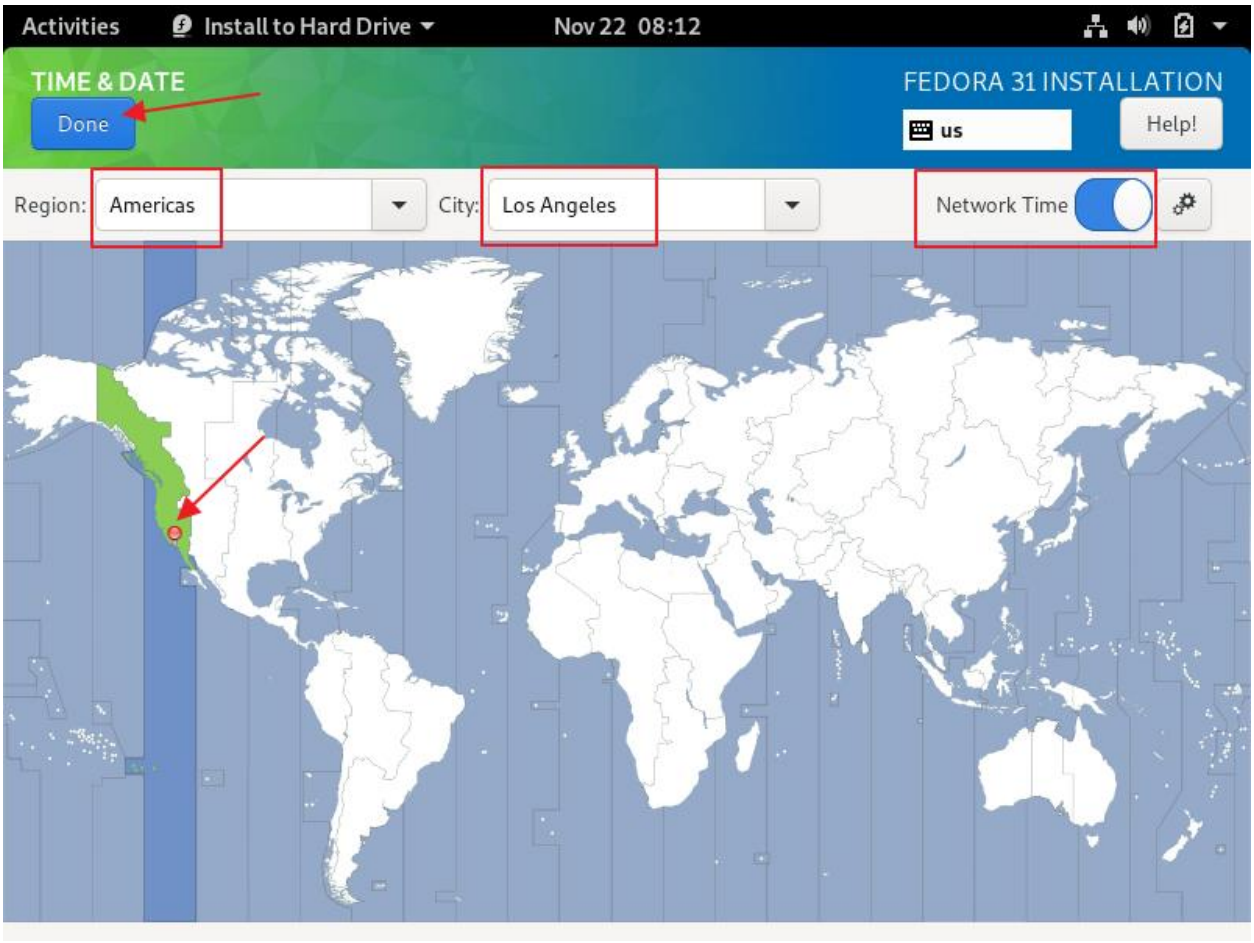
Click: Accept Changes

Step 035 – Create Fedora 31 Workstation VM



Click: Time & Date

Step 035 – Create Fedora 31 Workstation VM



Click: somewhere near your time zone (in our case, Los Angeles)

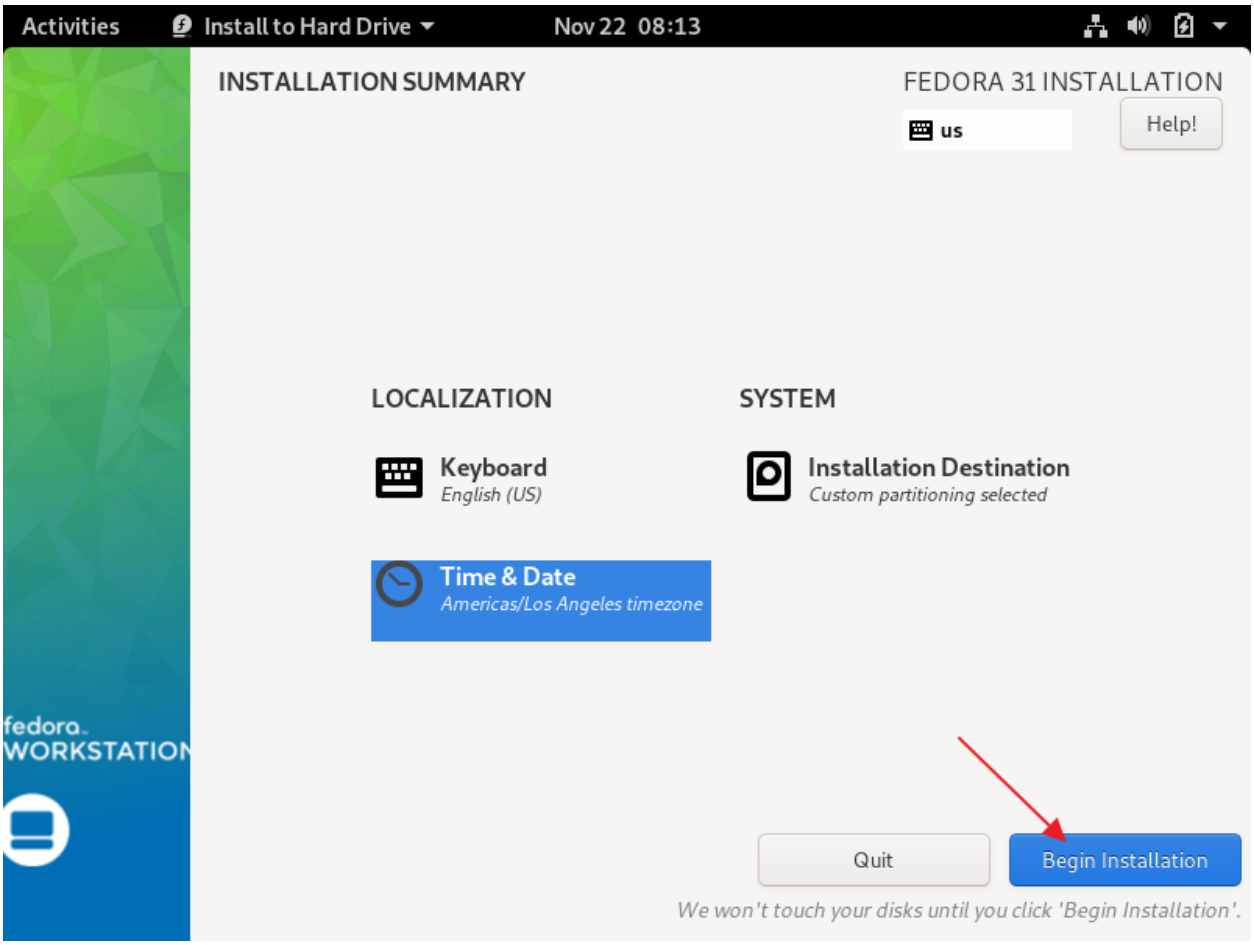
Region: Americas

City: Los Angeles

Network Time: enabled

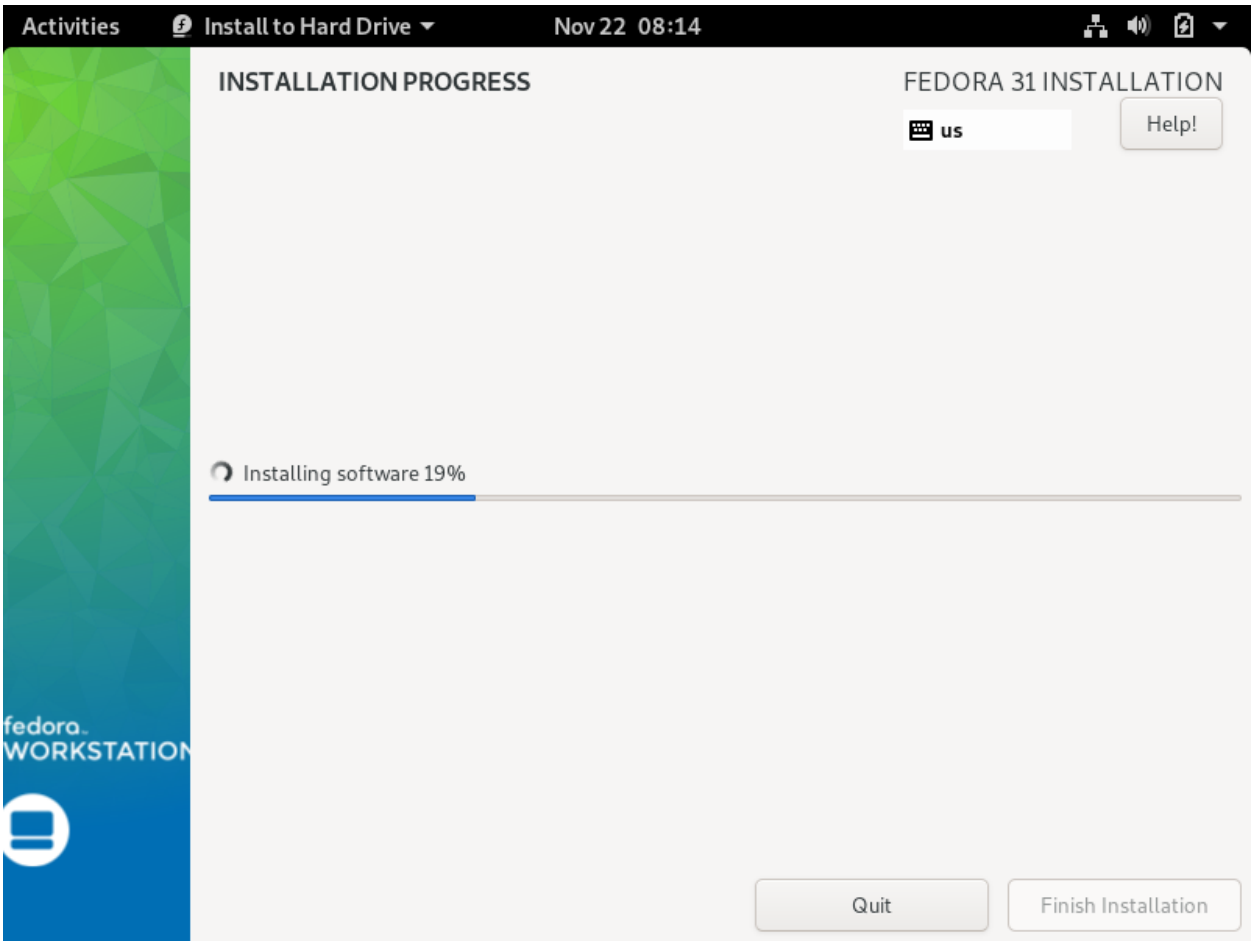
Click: Done

Step 035 – Create Fedora 31 Workstation VM



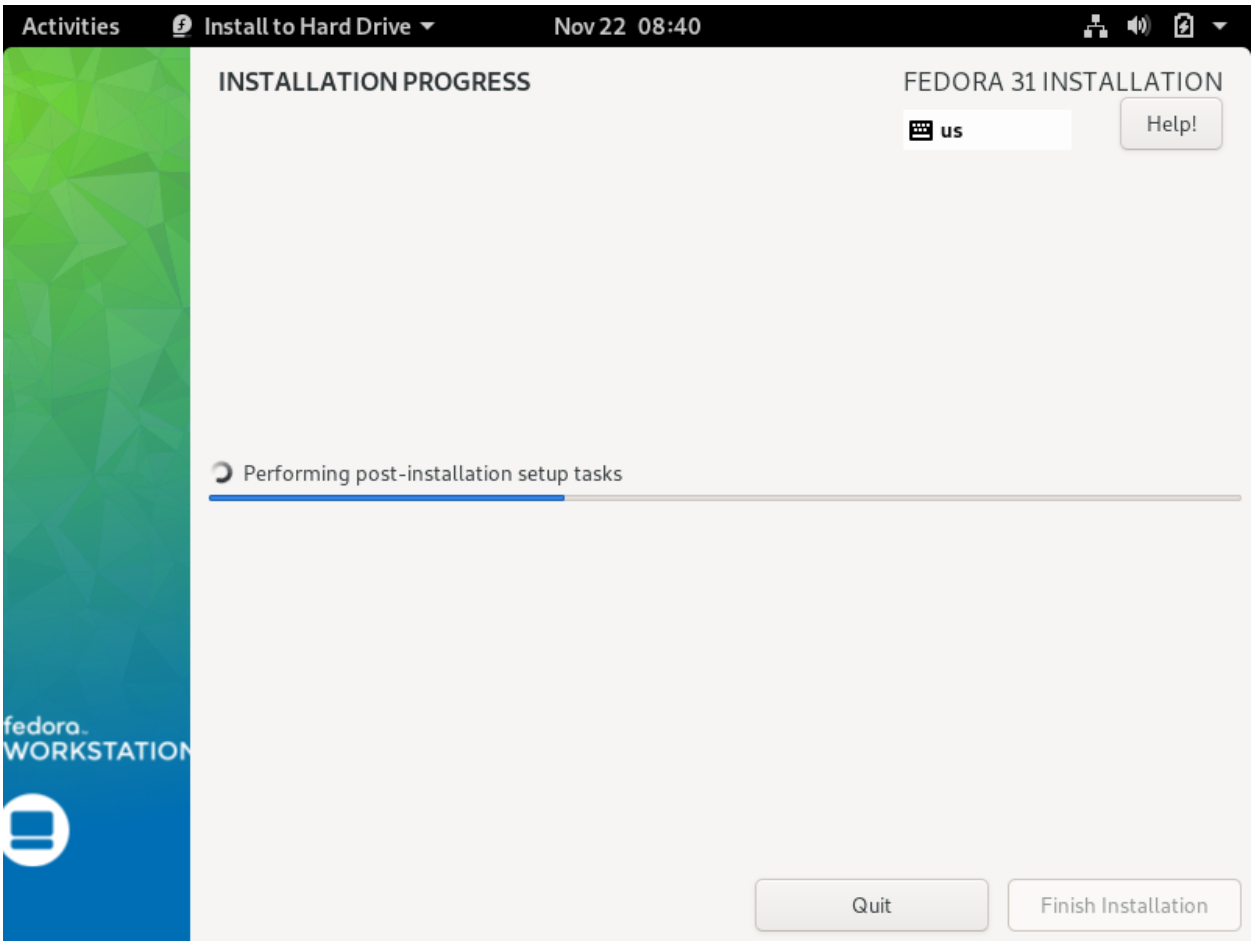
Click: Begin Installation

Step 035 – Create Fedora 31 Workstation VM



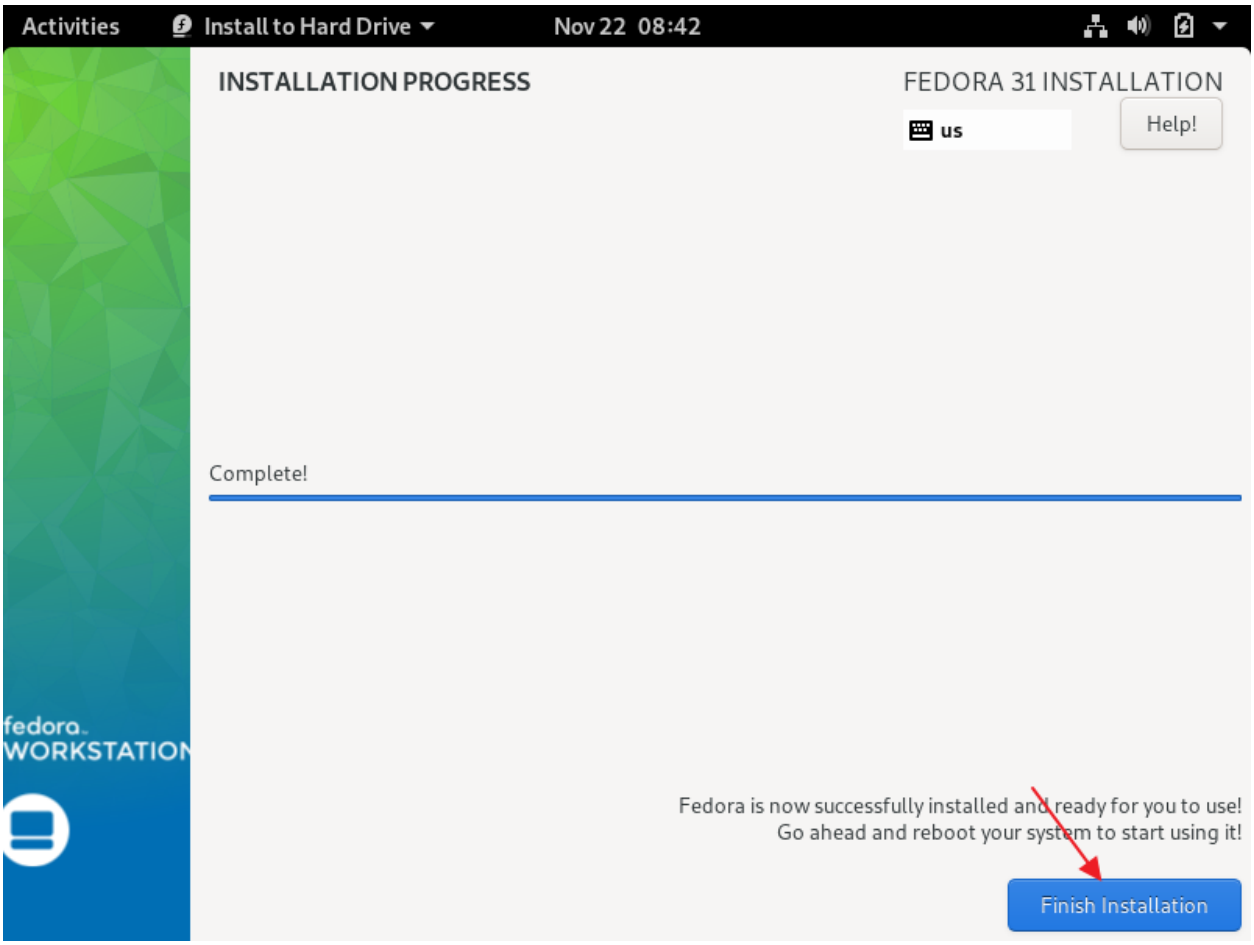
Progress. . .

Step 035 – Create Fedora 31 Workstation VM



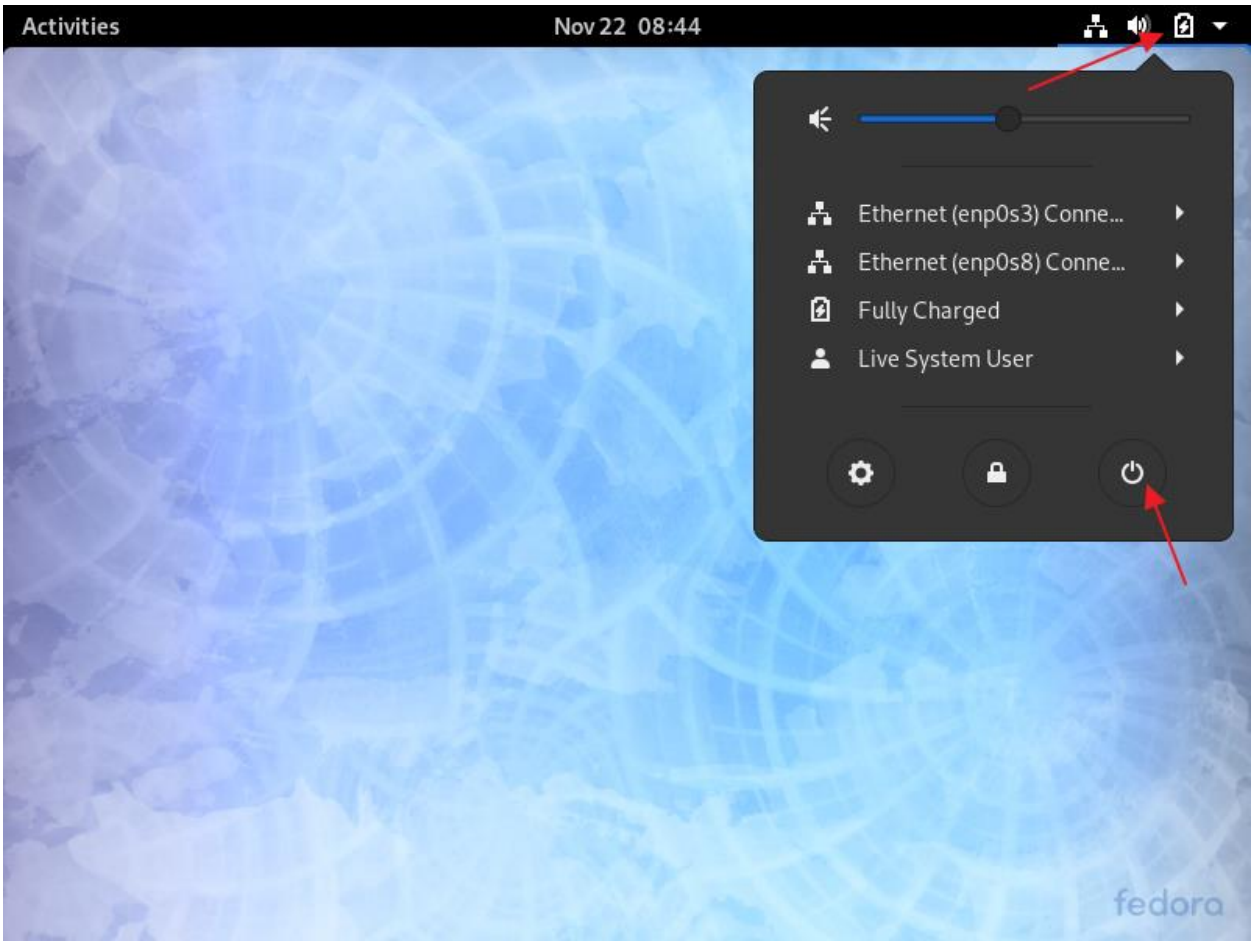
Progress. . .

Step 035 – Create Fedora 31 Workstation VM

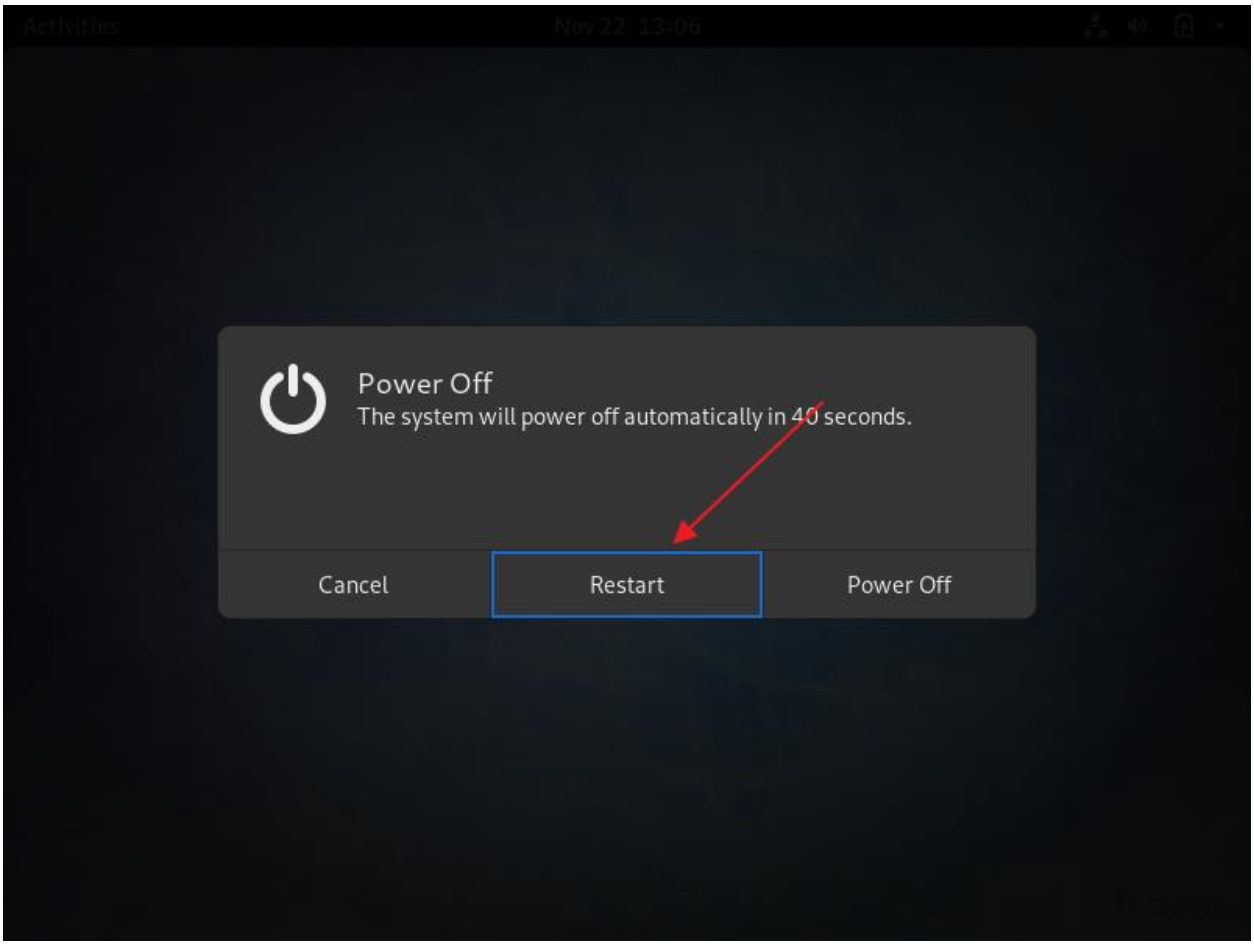


Click: Finish Installation

Step 035 – Create Fedora 31 Workstation VM

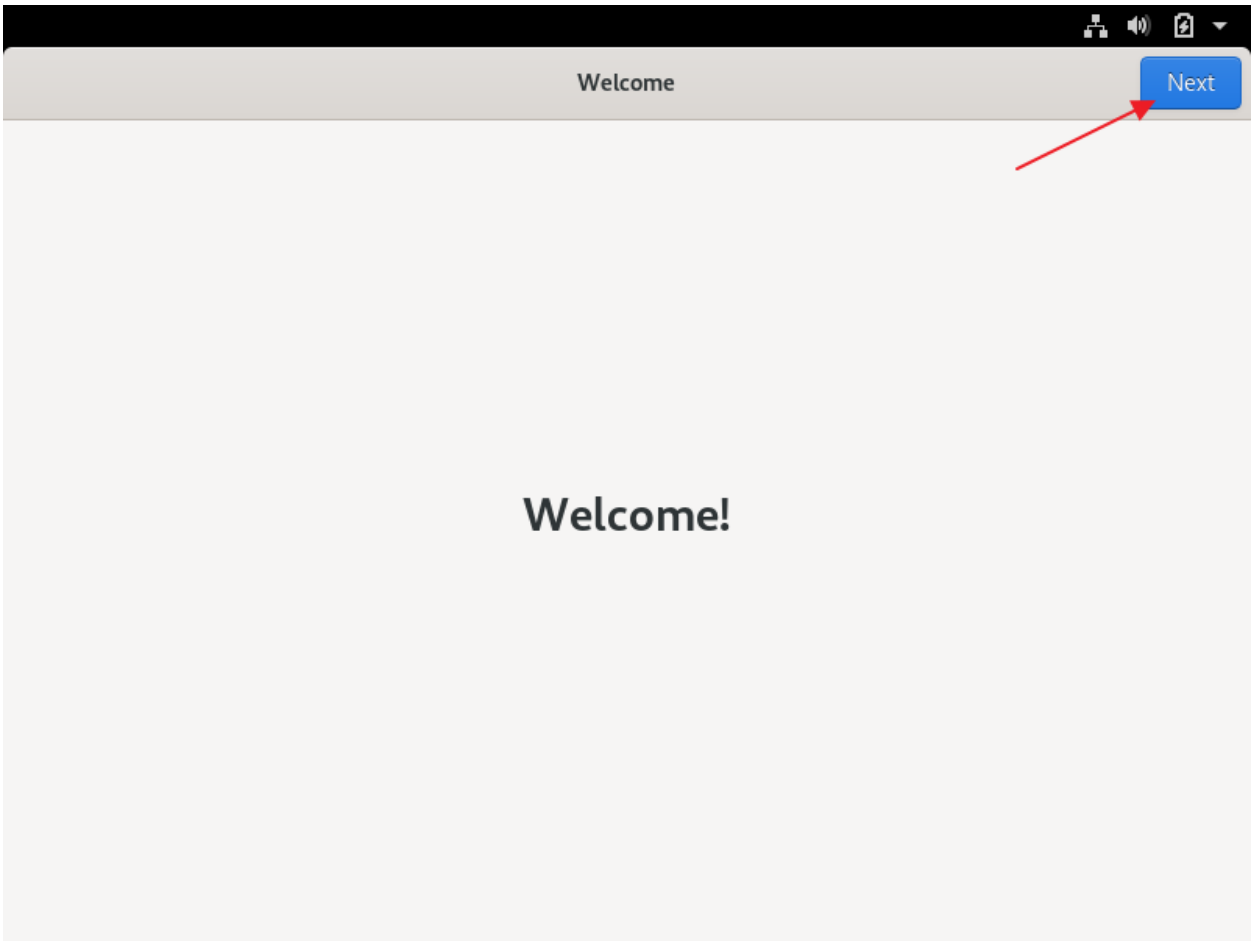


Step 035 – Create Fedora 31 Workstation VM



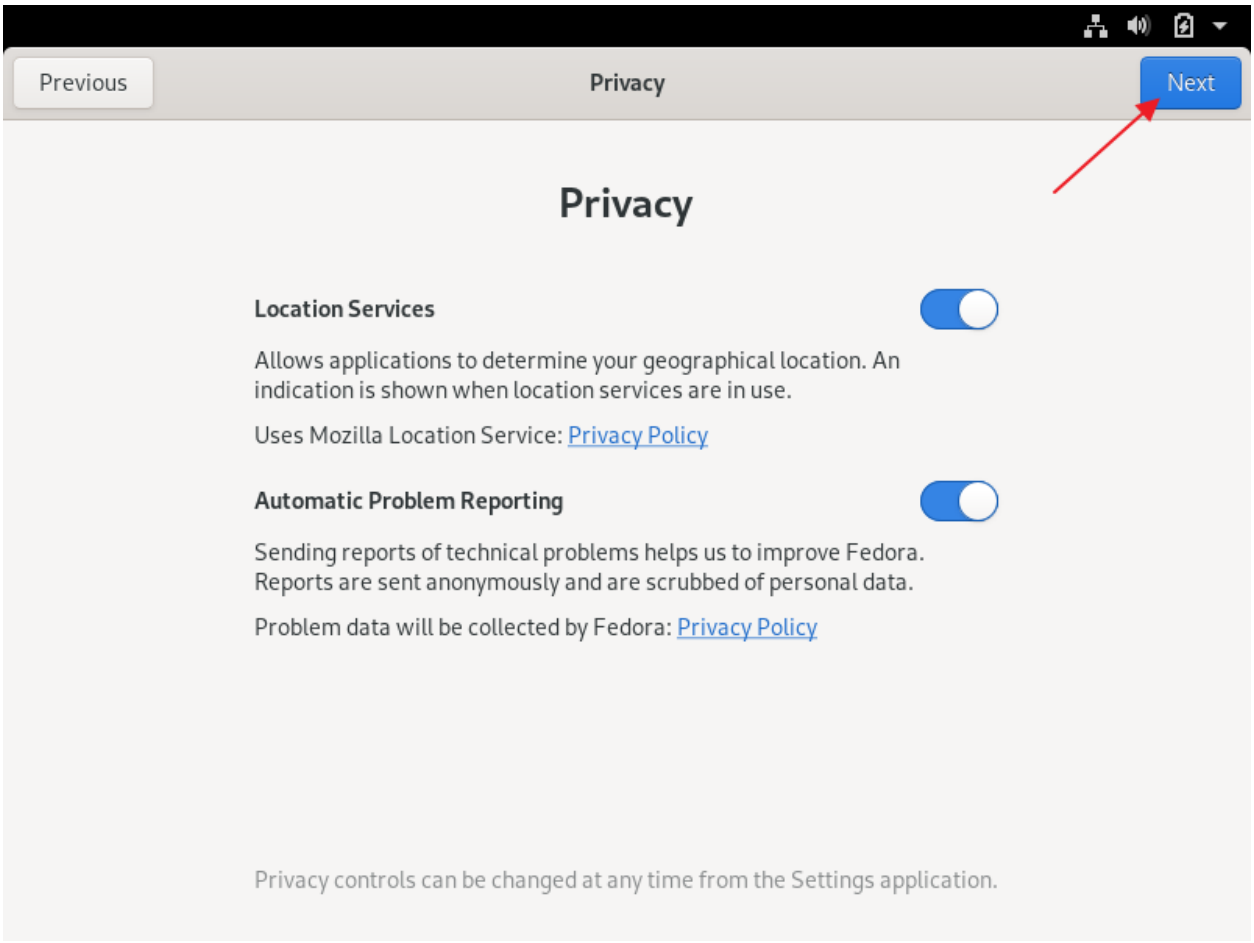
Restart

Step 035 – Create Fedora 31 Workstation VM



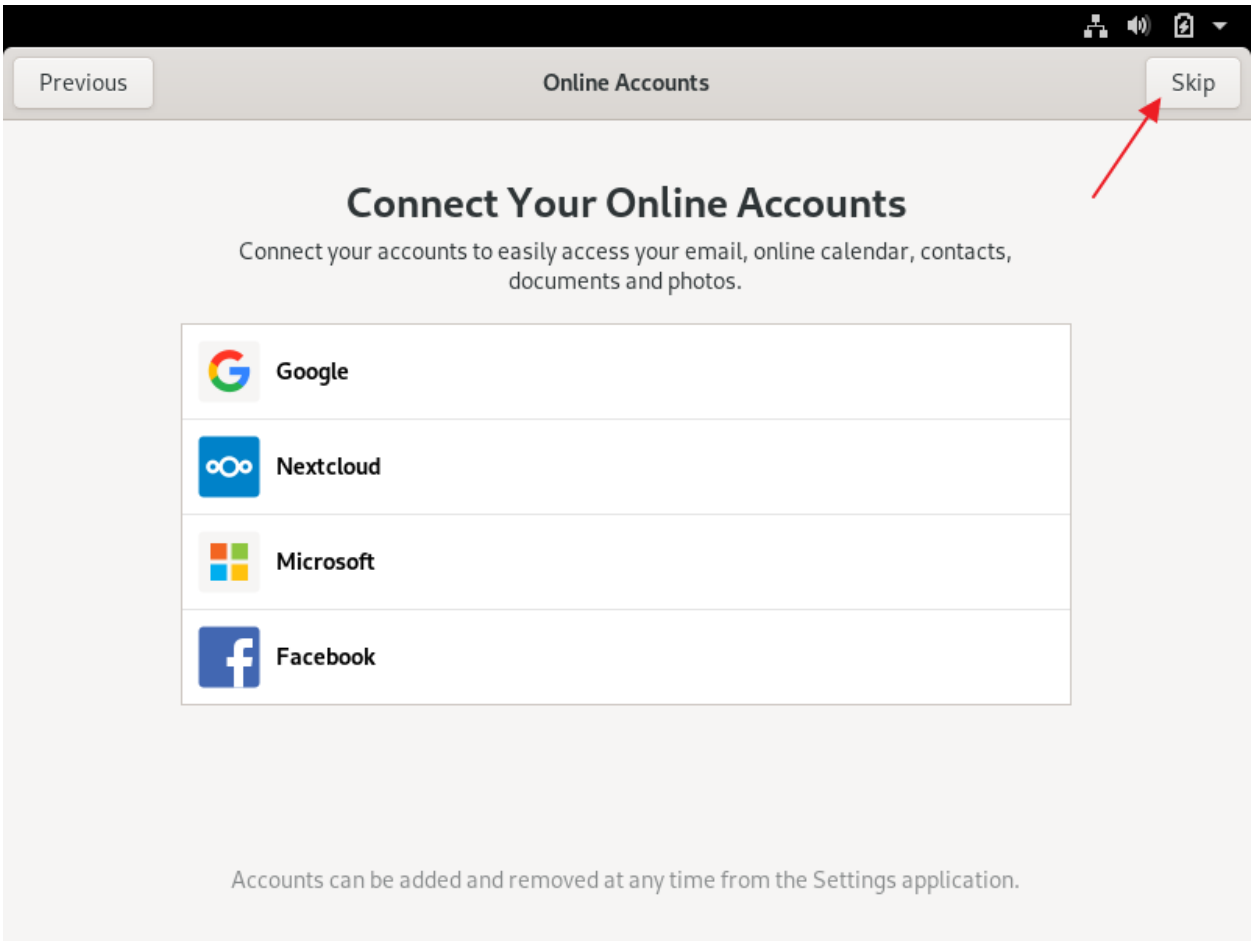
Click: Next

Step 035 – Create Fedora 31 Workstation VM



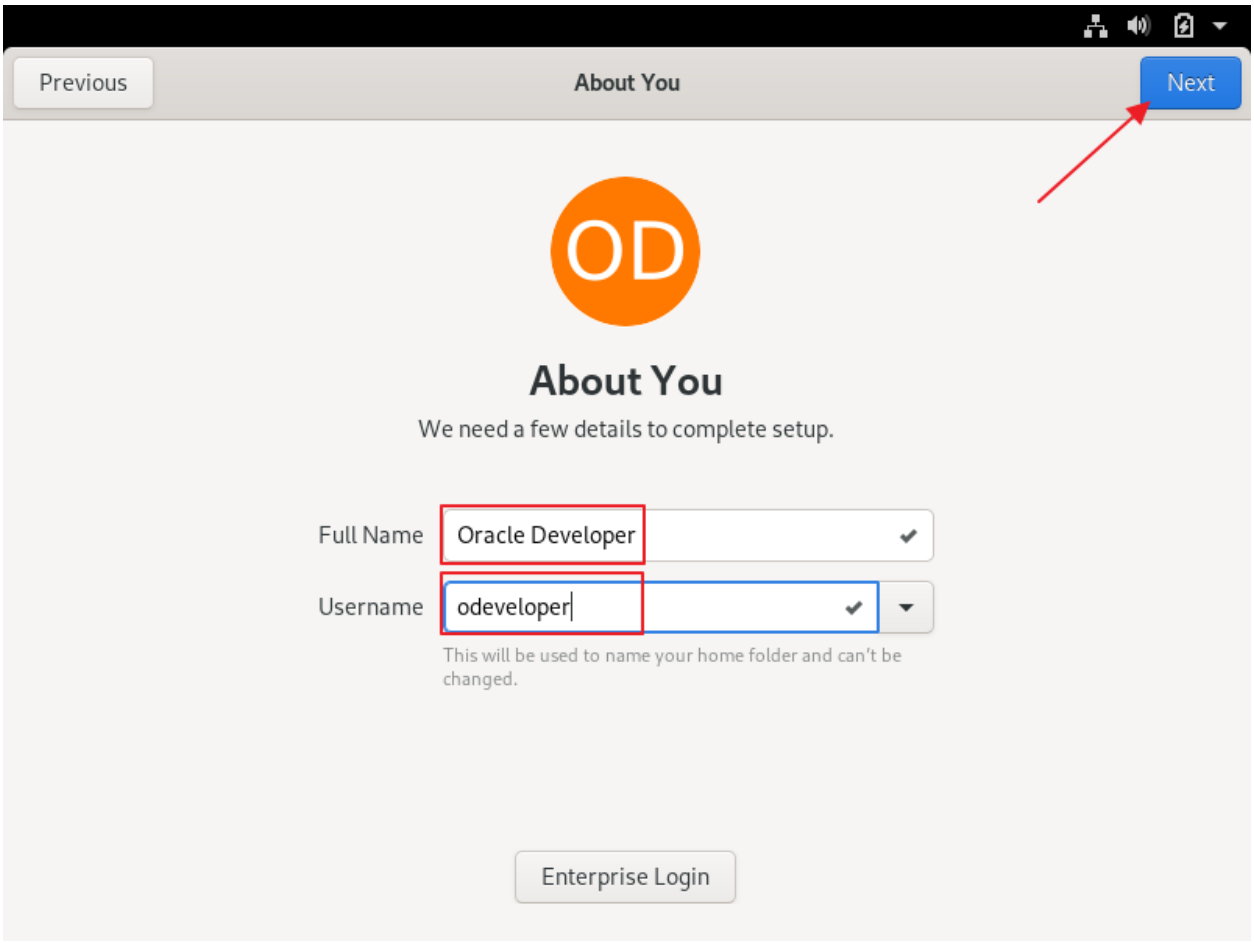
Click: Next

Step 035 – Create Fedora 31 Workstation VM



Click: Skip

Step 035 – Create Fedora 31 Workstation VM

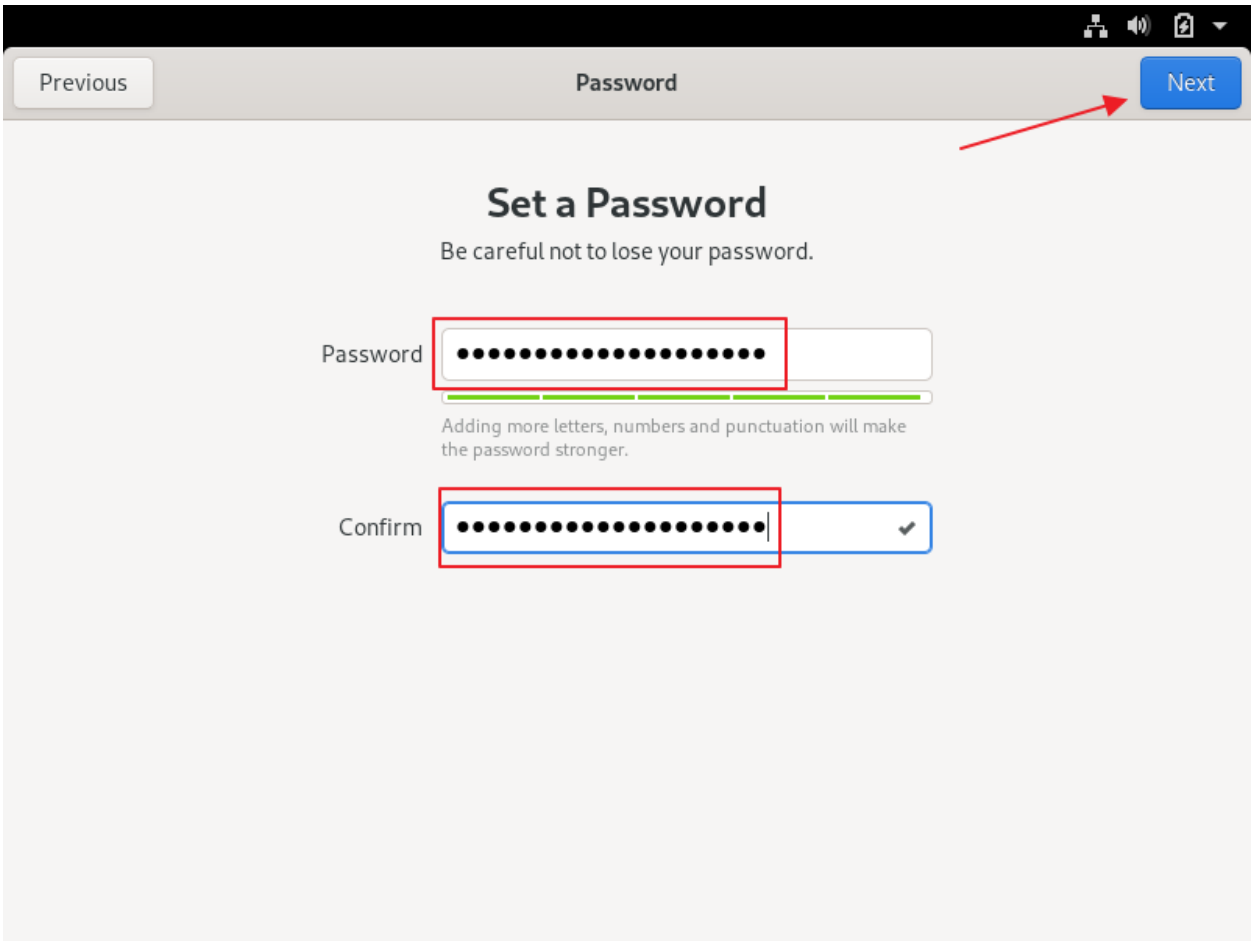


Full Name: Oracle Developer

Username: odeveloper

Click: Next

Step 035 – Create Fedora 31 Workstation VM



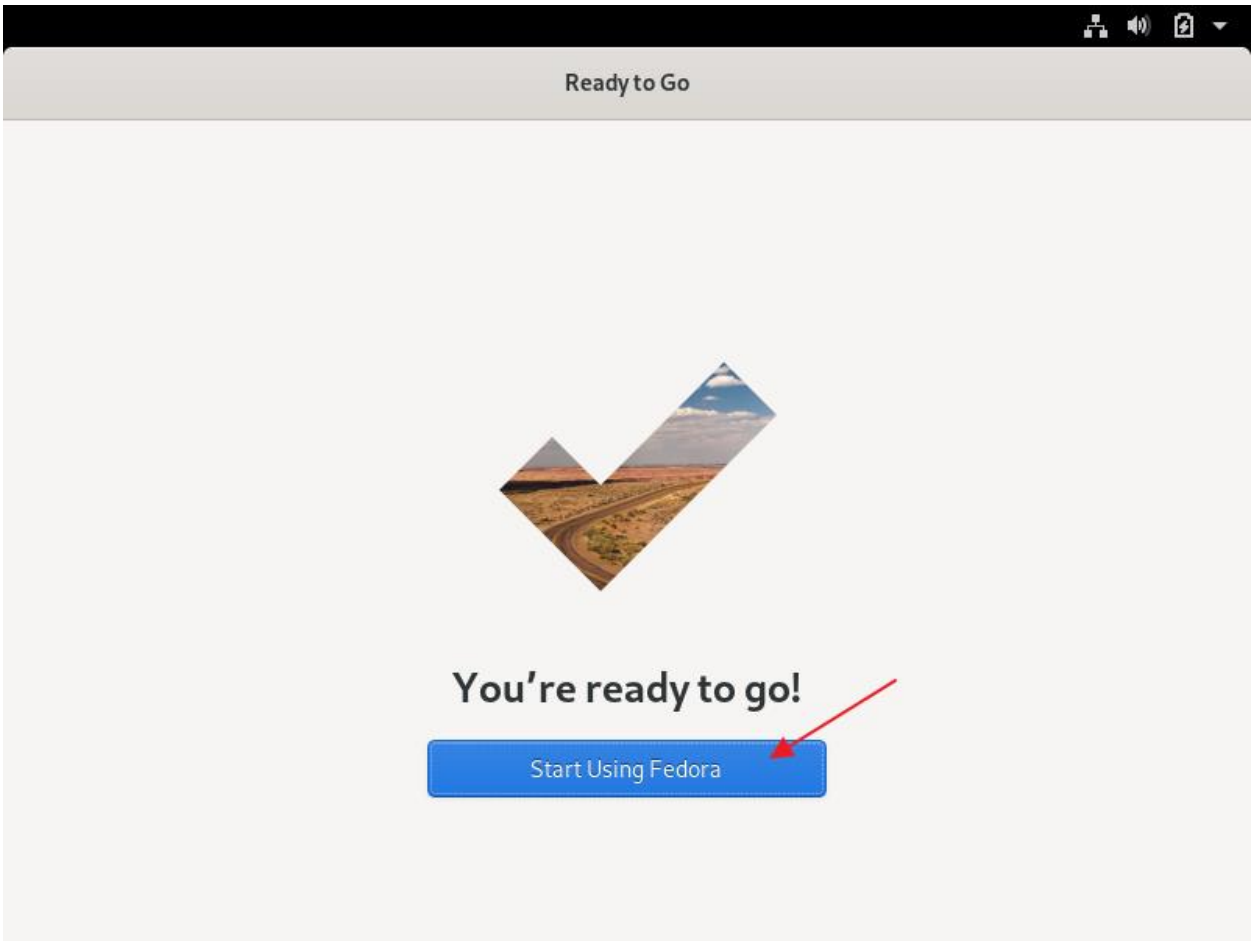
Use KeePass to create a new password for the Oracle Developer account

Password: {odeveloper password}

Confirm: {odeveloper password}

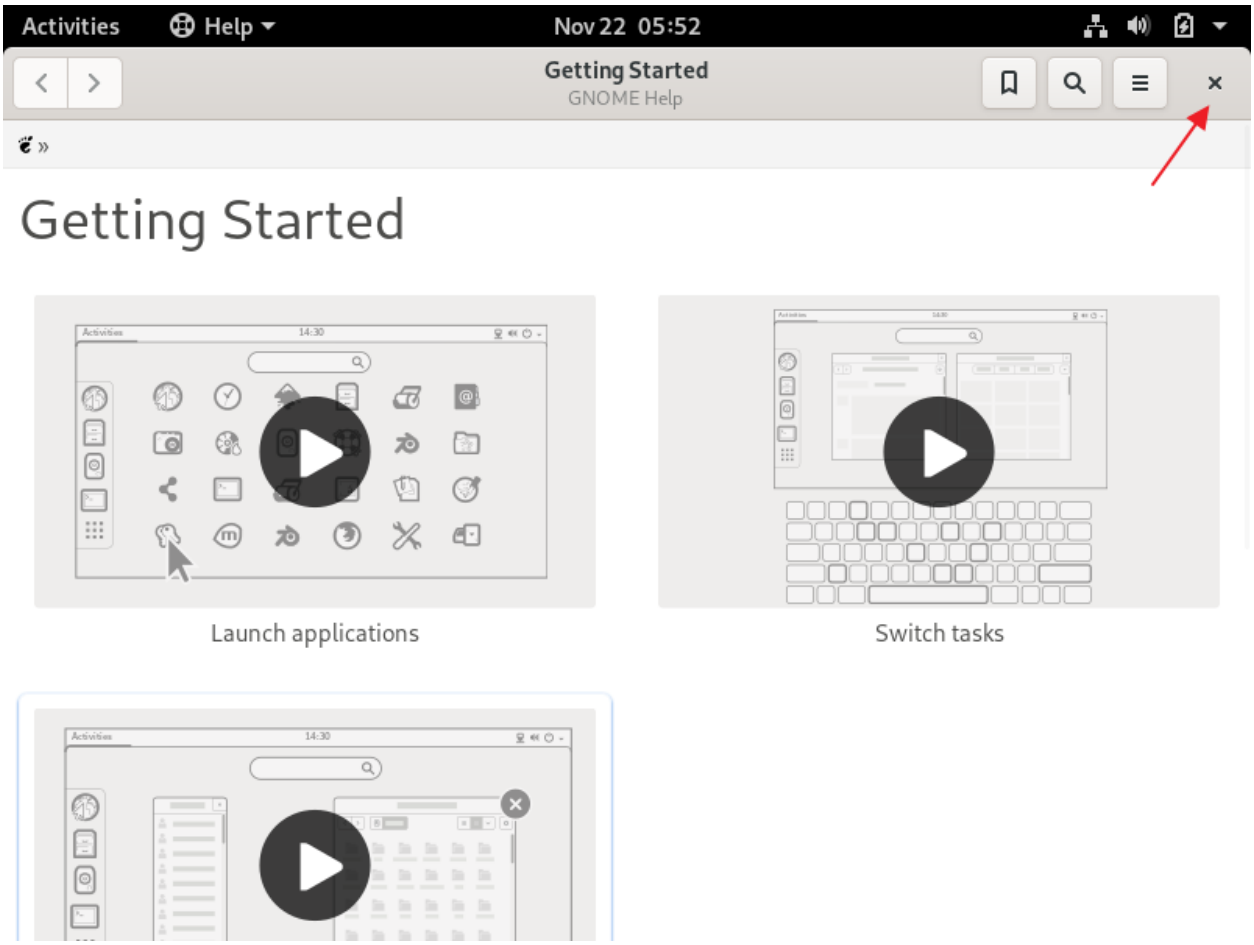
Click: Next

Step 035 – Create Fedora 31 Workstation VM



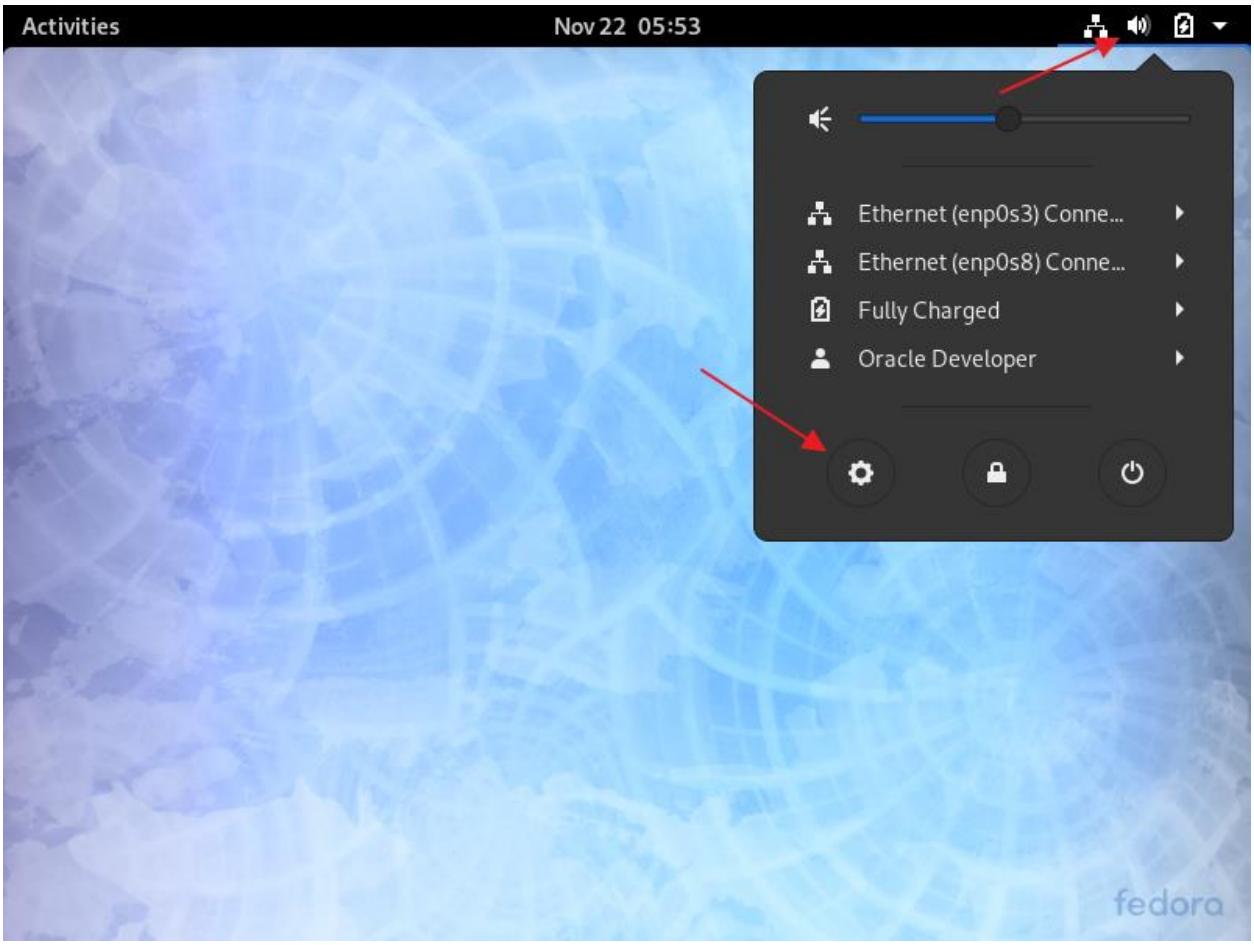
Click: Start Using Fedora

Step 035 – Create Fedora 31 Workstation VM



Exit help

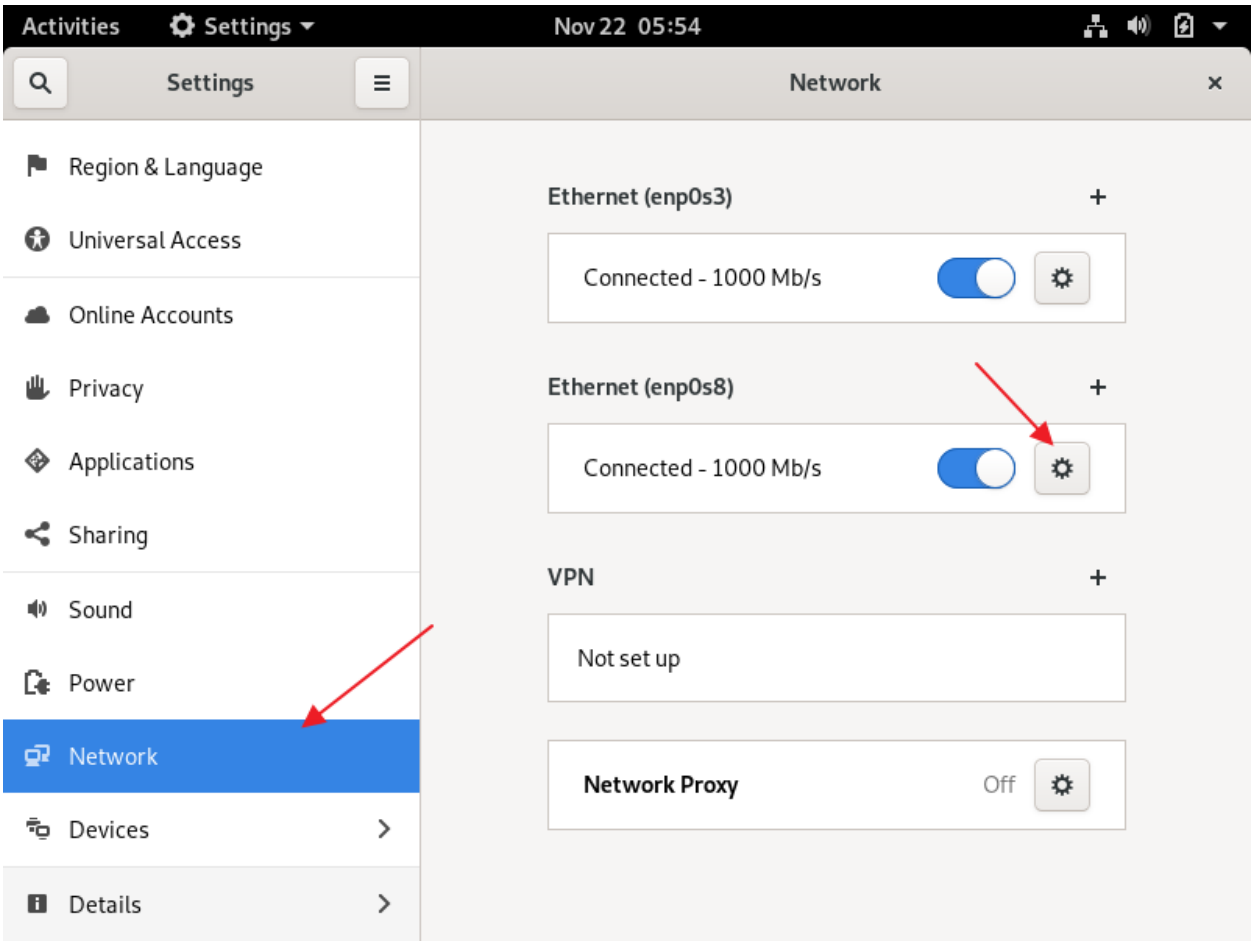
Step 035 – Create Fedora 31 Workstation VM



Right-click for drop-down menu

Click: gear (settings)

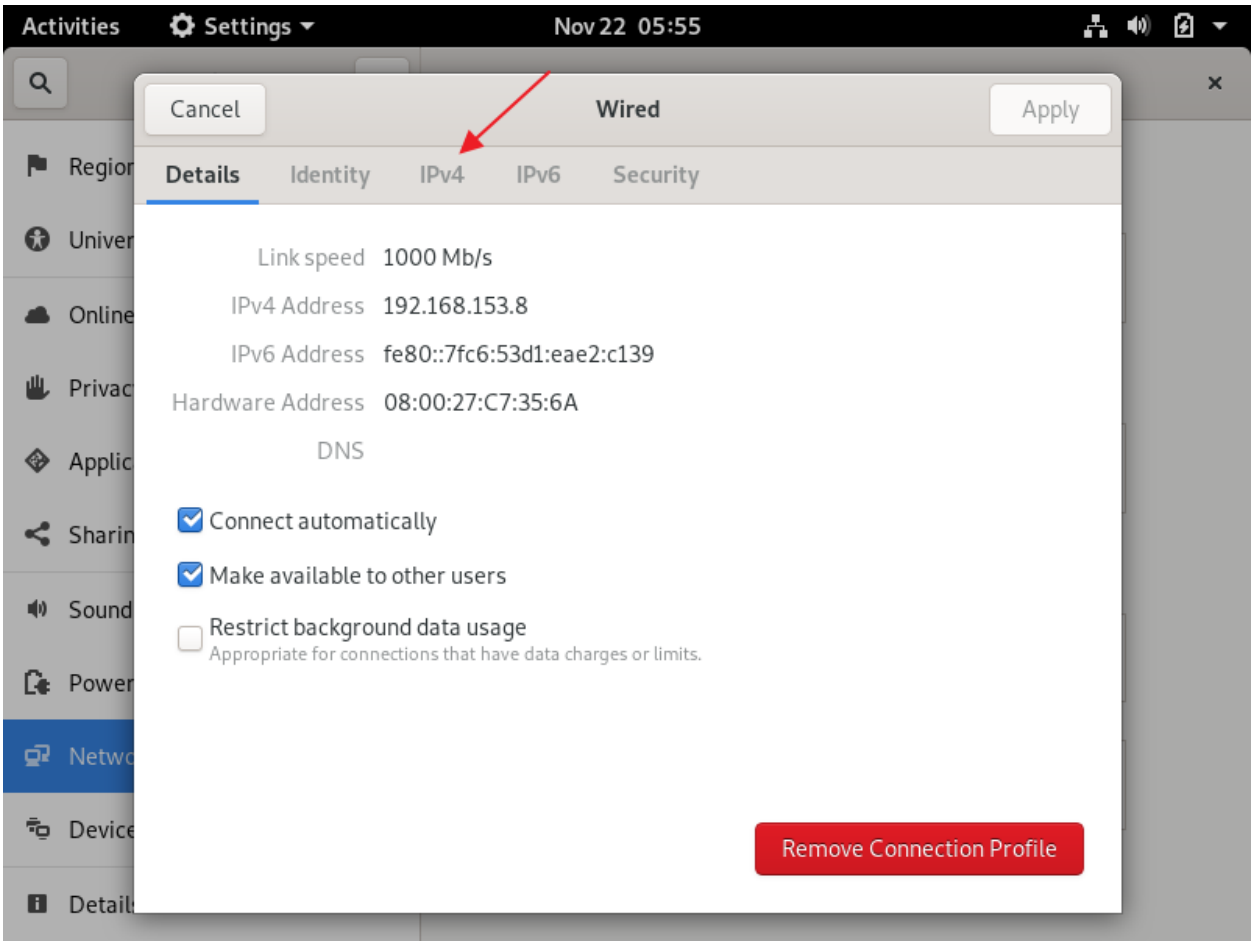
Step 035 – Create Fedora 31 Workstation VM



Click: Network

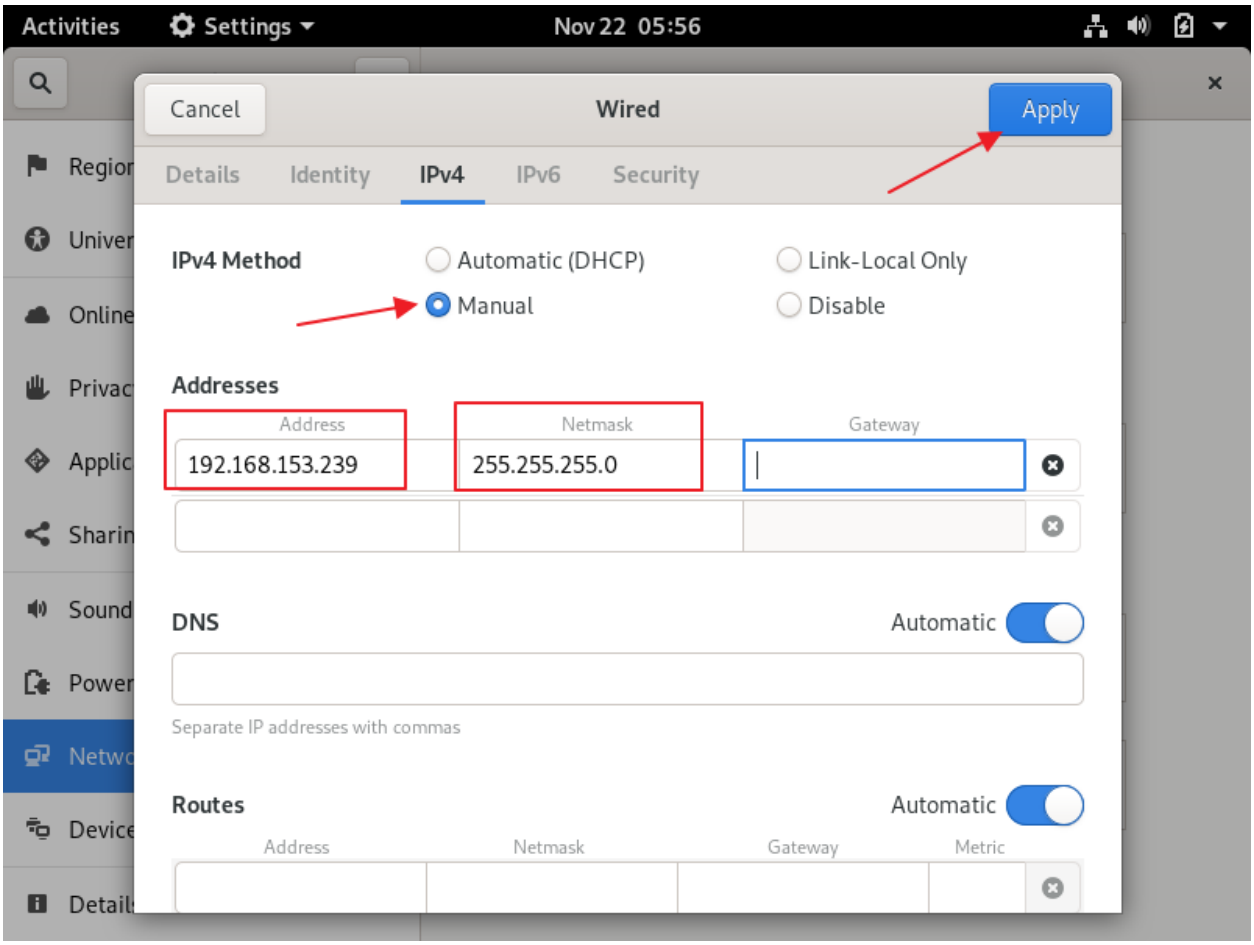
Click: Gear for second network adapter

Step 035 – Create Fedora 31 Workstation VM



Click: IPv4

Step 035 – Create Fedora 31 Workstation VM



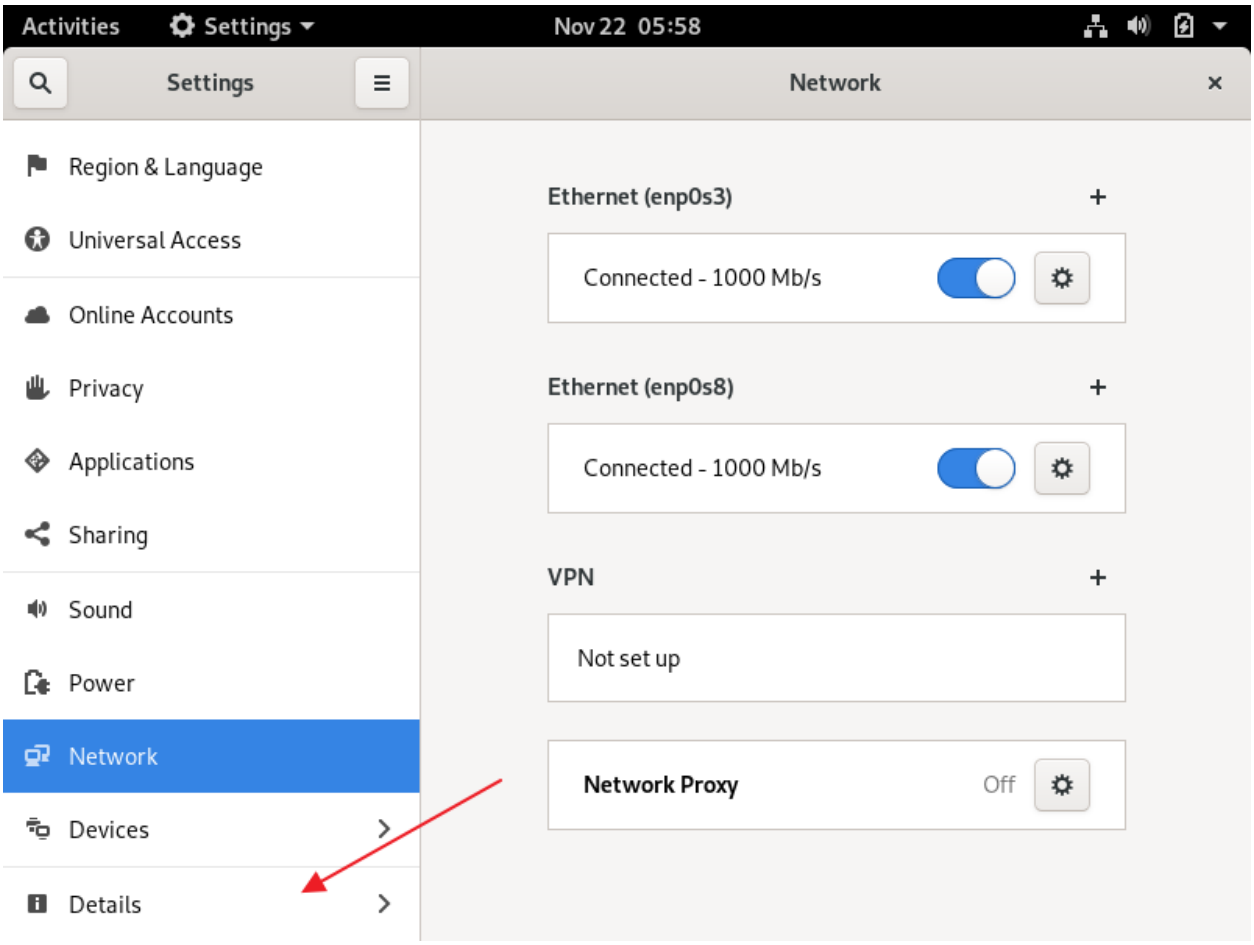
IPv4 Method: Manual

Address: 192.168.153.239

Network: 255.255.255.0

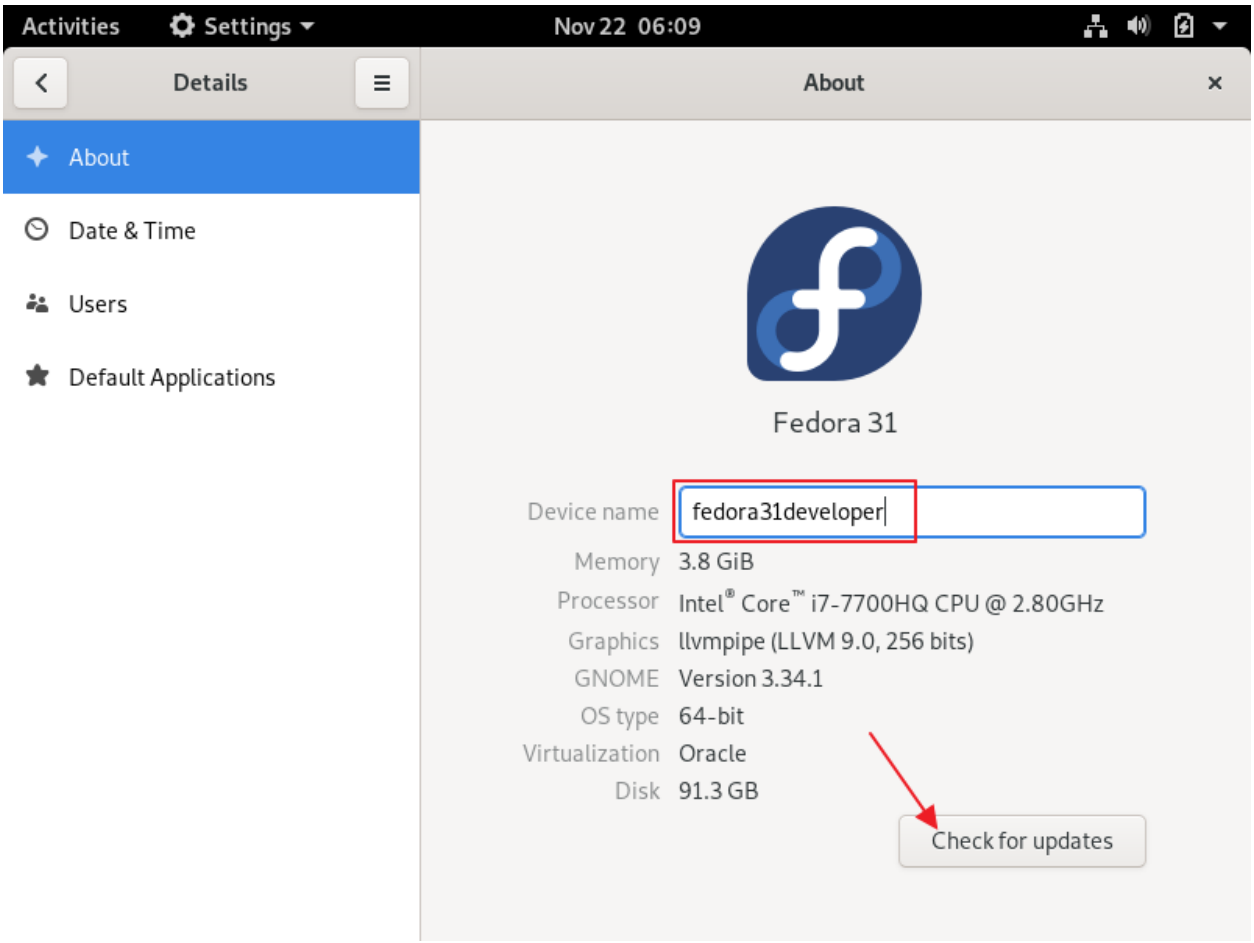
Click: Apply

Step 035 – Create Fedora 31 Workstation VM



Click: Details

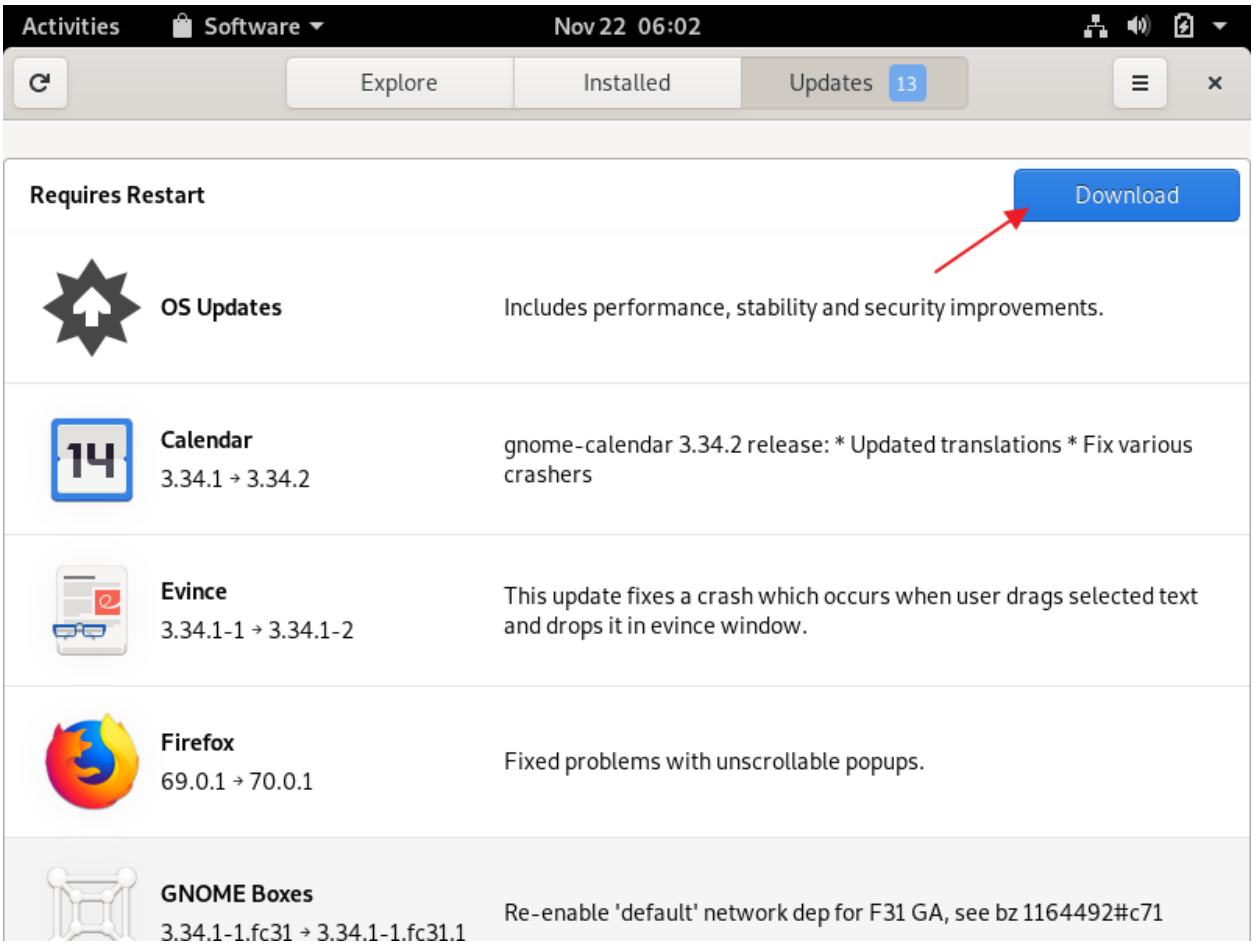
Step 035 – Create Fedora 31 Workstation VM



Device name: fedora31developer

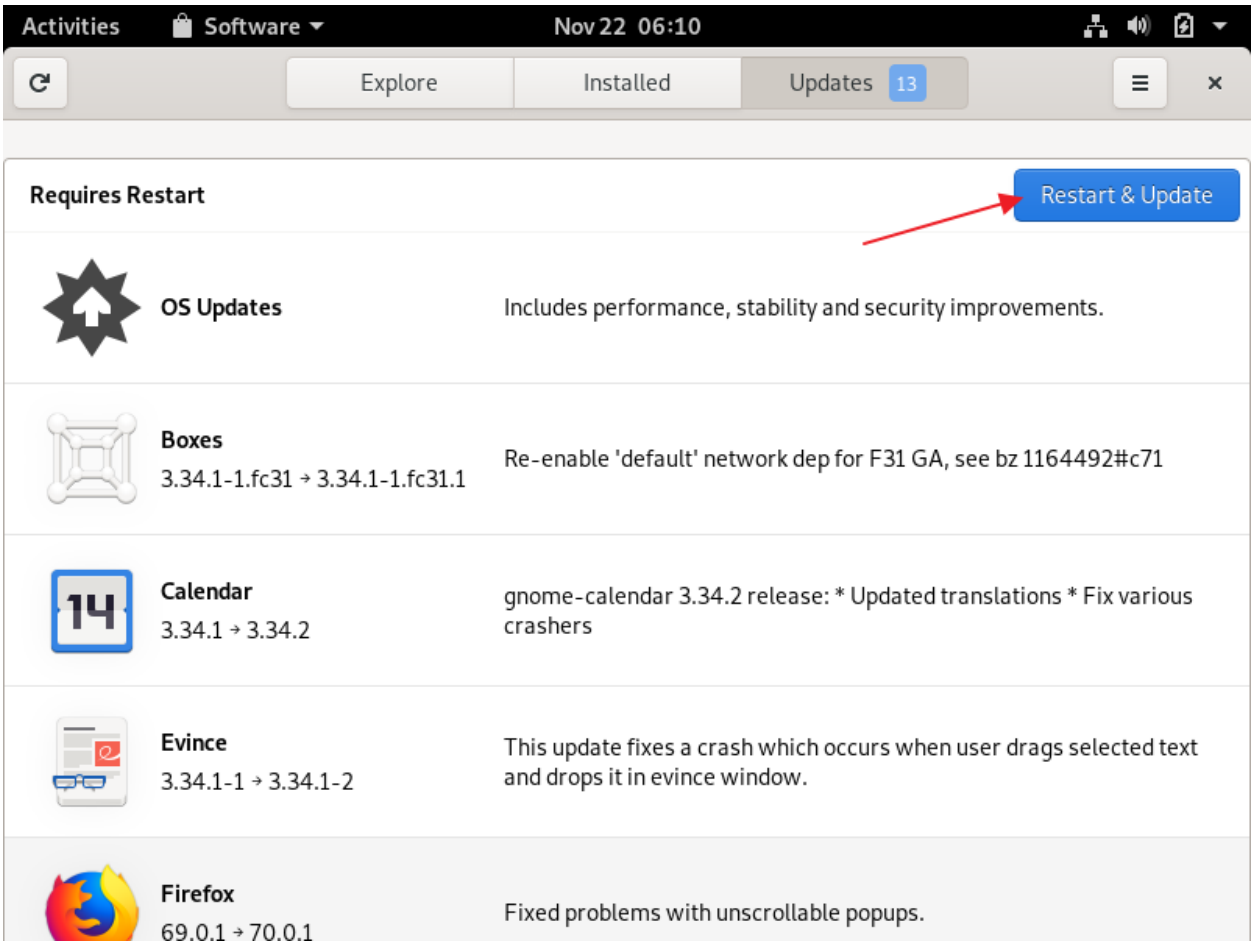
Click: Check for updates

Step 035 – Create Fedora 31 Workstation VM



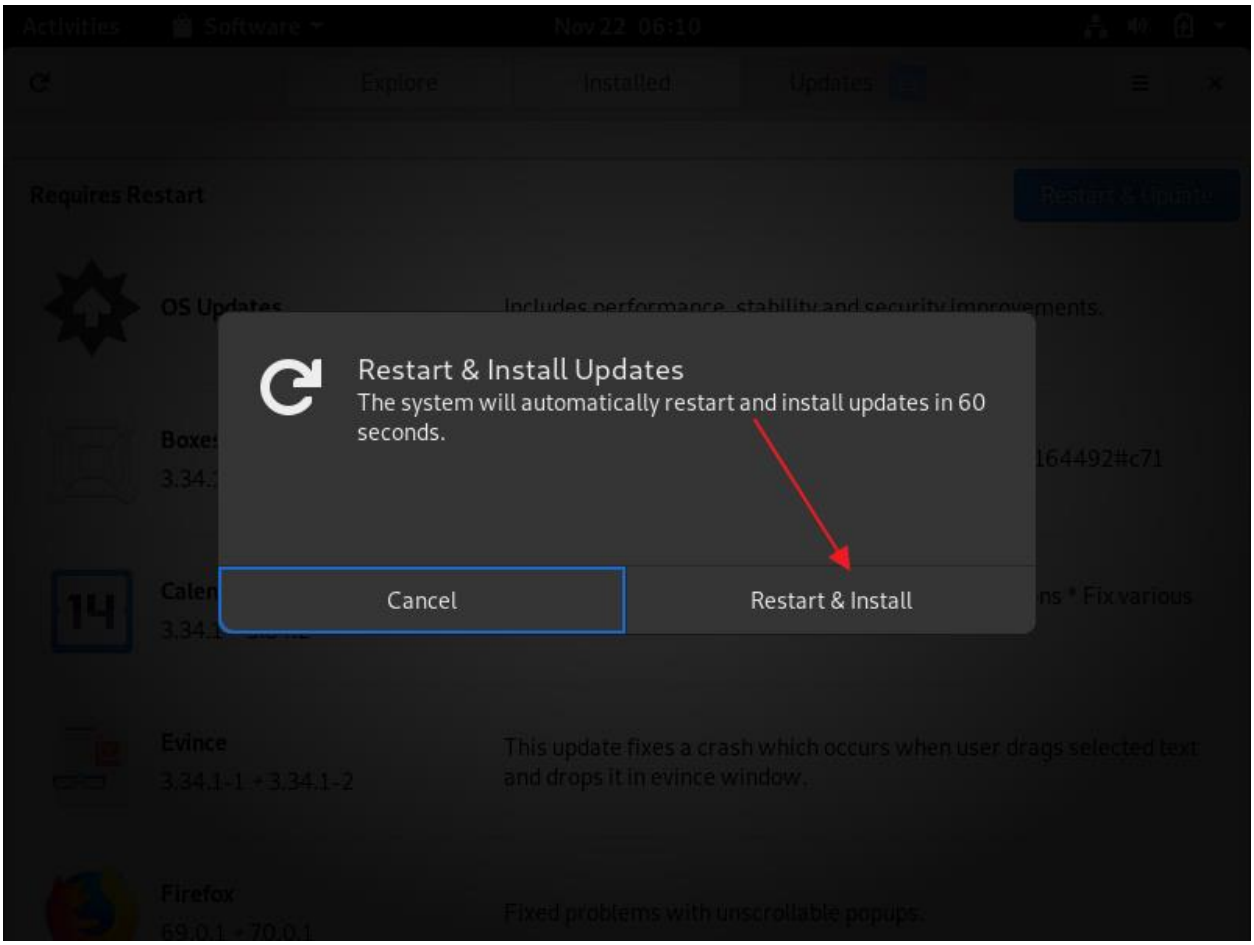
Click: Download

Step 035 – Create Fedora 31 Workstation VM

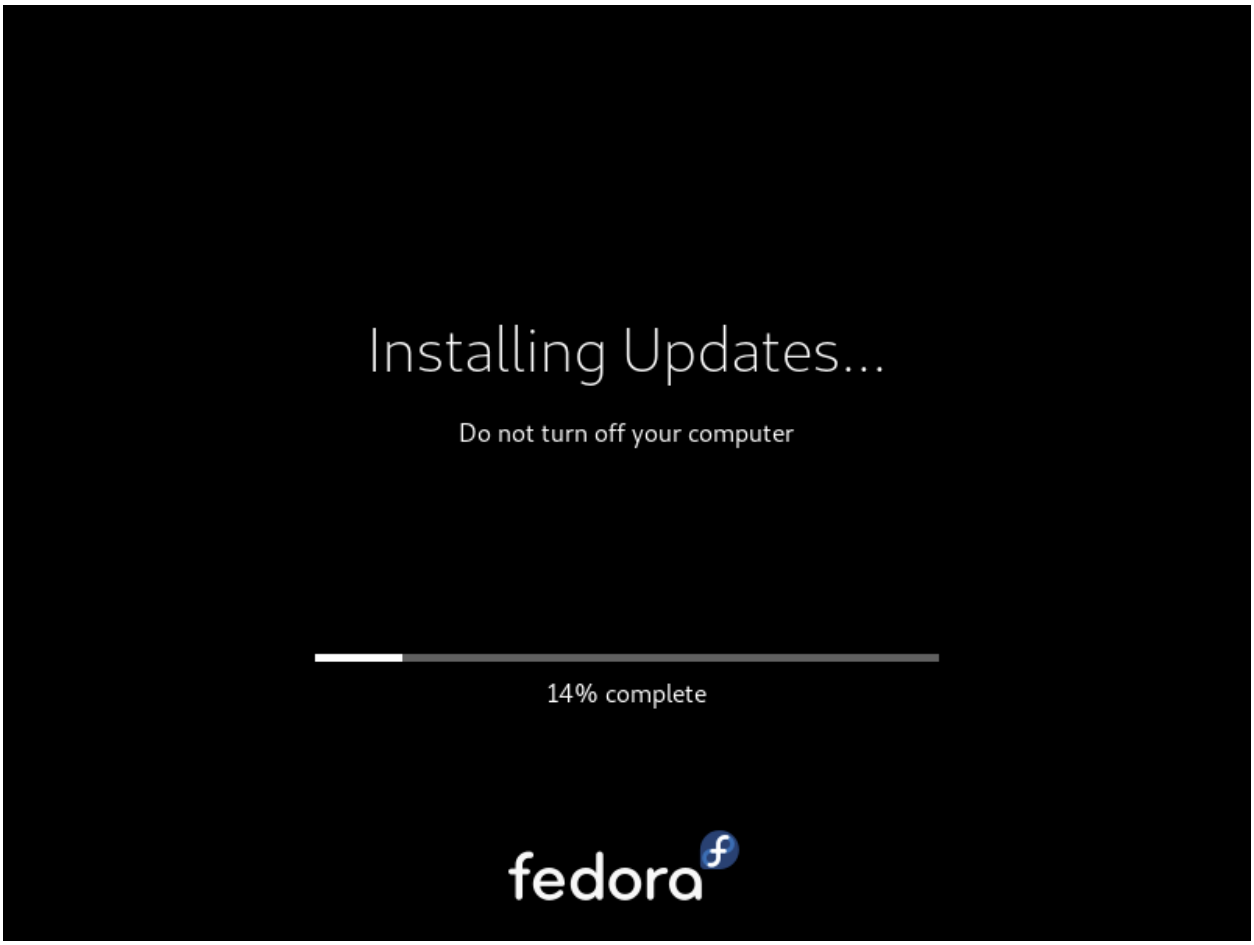


Click: Restart & Update

Step 035 – Create Fedora 31 Workstation VM



Click: Restart & Install


Installing Updates...
Do not turn off your computer
14% complete
fedora

Progress. . .

Step 035 – Create Fedora 31 Workstation VM

Click: Oracle Developer

Step 035 – Create Fedora 31 Workstation VM

Password: Oracle Developer password

Click: Sign In

Launch a terminal window

On Fedora, VirtualBox Guest Additions are available as an RPM, so installation is simple:

Add some packages (to be able to install VirtualBox Guest Additions

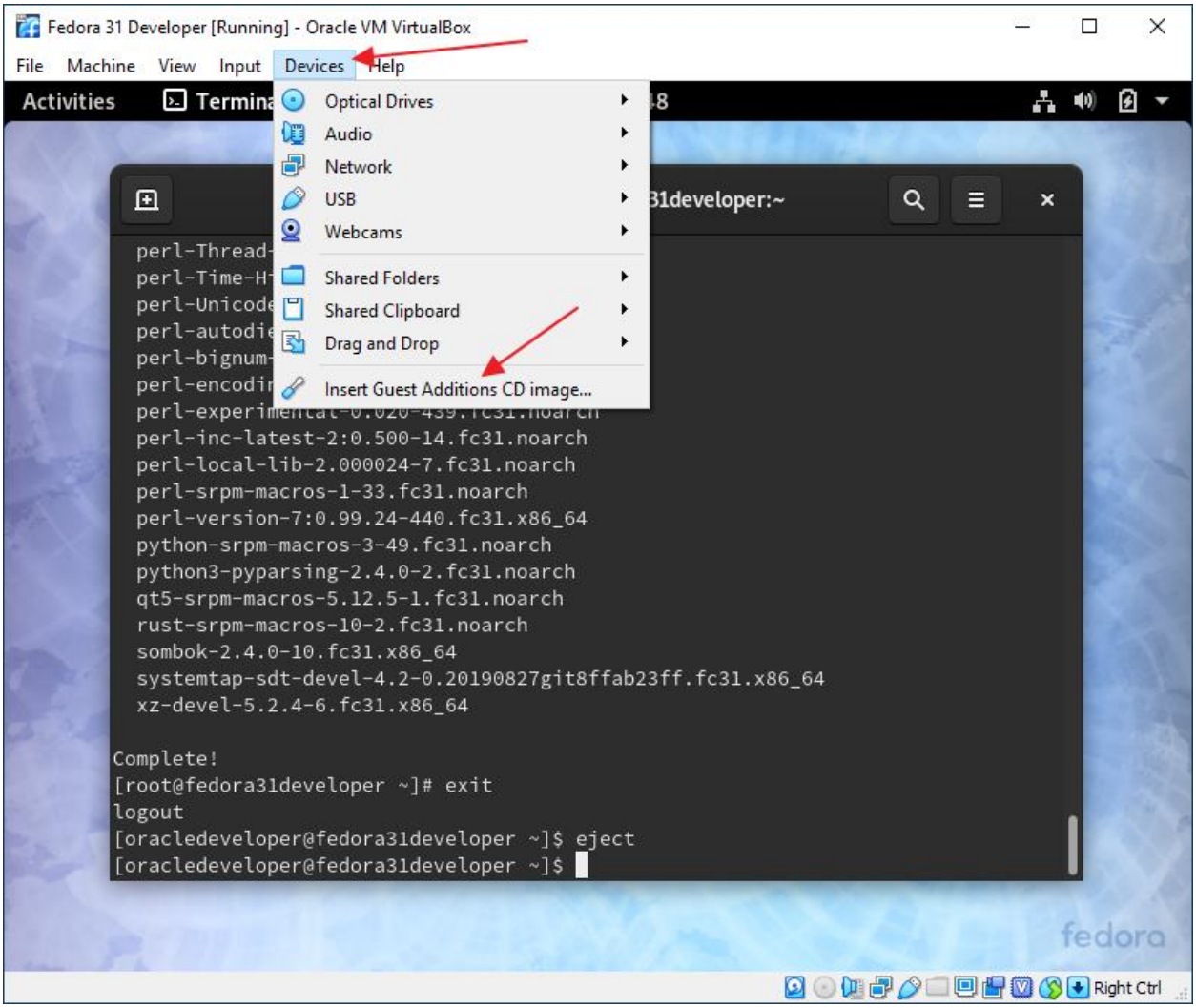
We also eject the Fedora 31 Workstation CDROM

```
[oracledeveloper@fedora31developer ~]$ sudo su -

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:
```

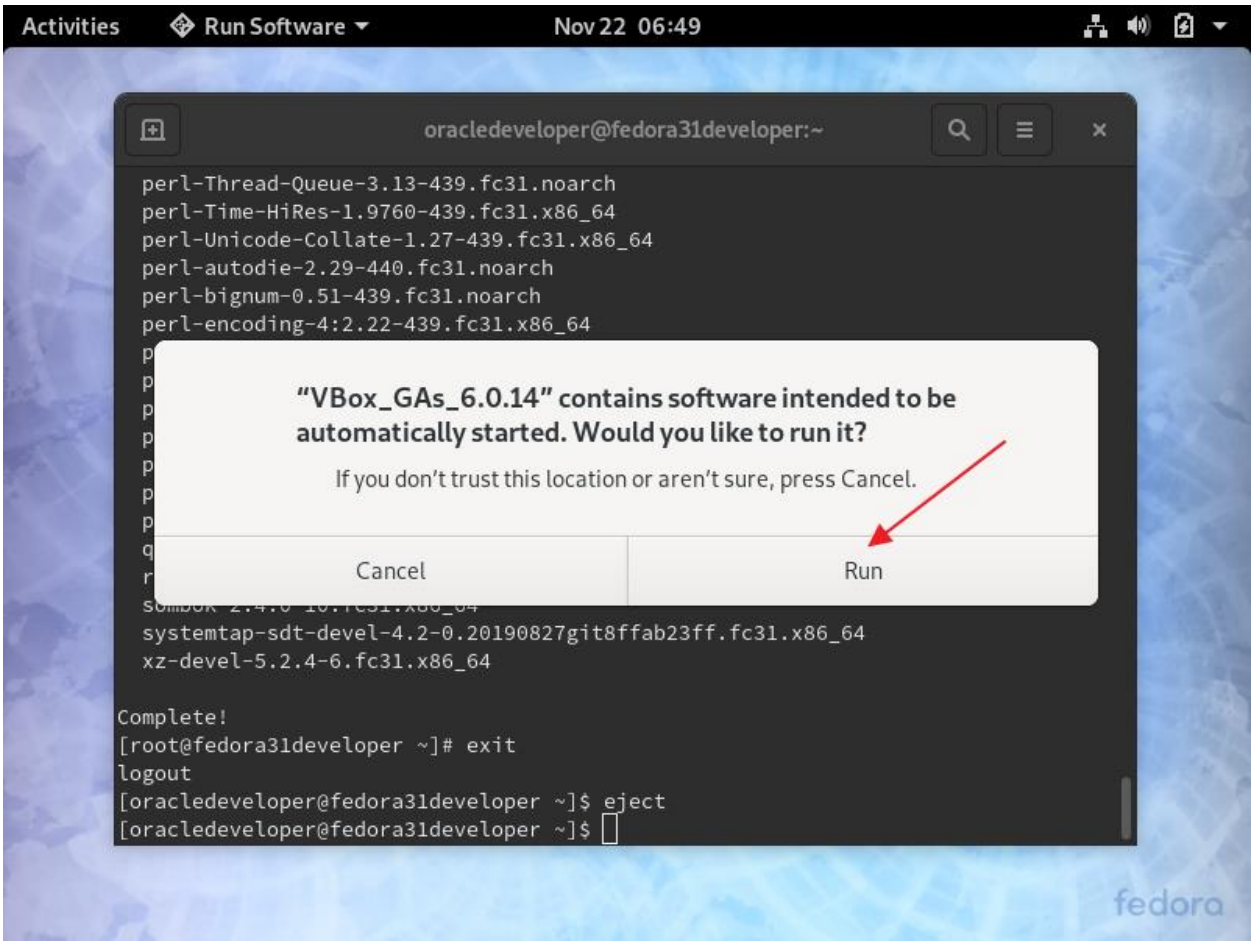
```
    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

[sudo] password for oracledeveloper: {oracle developer password}
[root@fedora31developer ~]# dnf -y install kernel-headers kernel-devel gcc
make perl elfutils elfutils-devel elfutils-libelf-devel
. . .
Complete!
[root@fedora31developer ~]# exit
Logout
[oracledeveloper@fedora31developer ~]$ eject
[oracledeveloper@fedora31developer ~]$
```



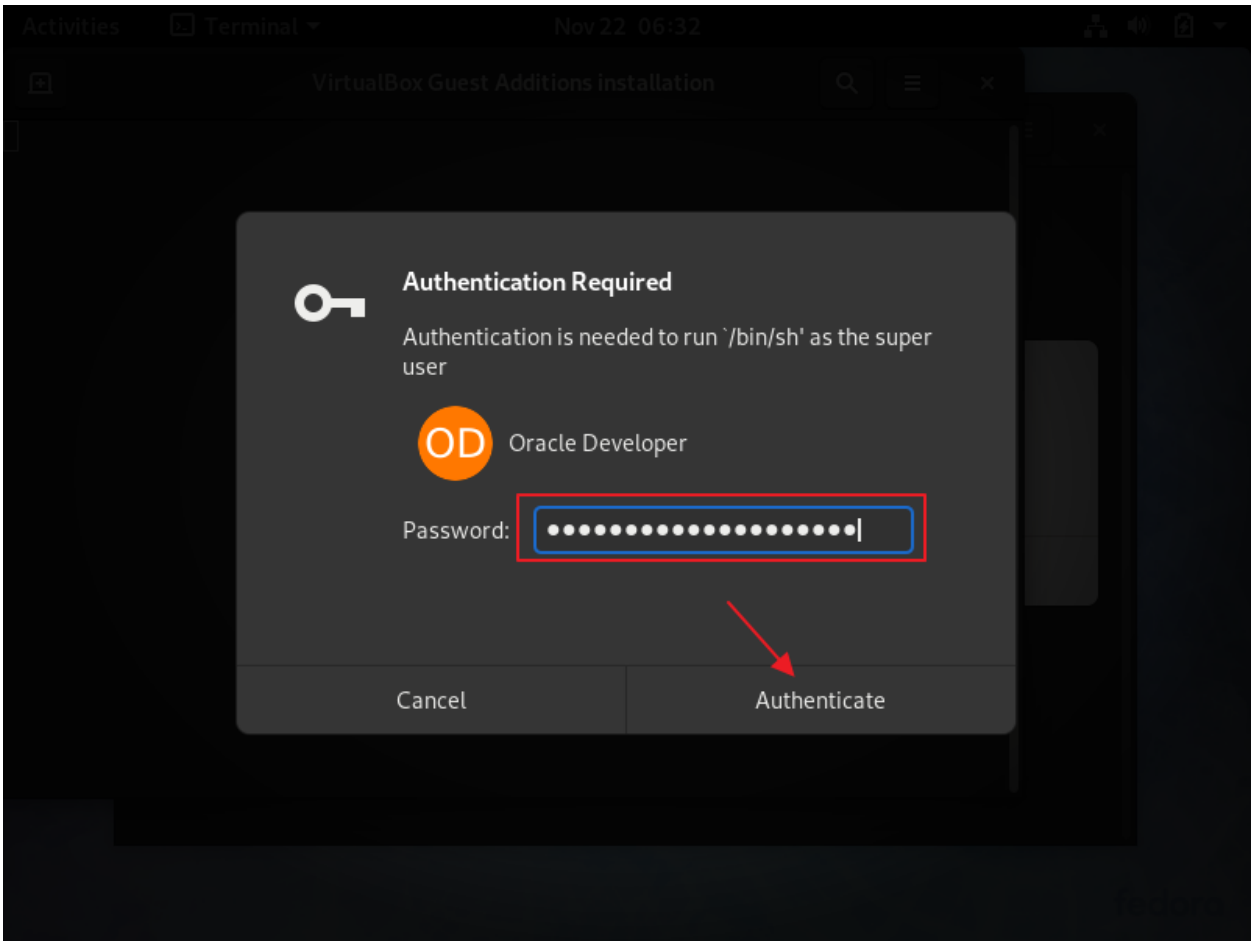
Devices => Insert Guest Additions CD Image…

Step 035 – Create Fedora 31 Workstation VM



Click: Run

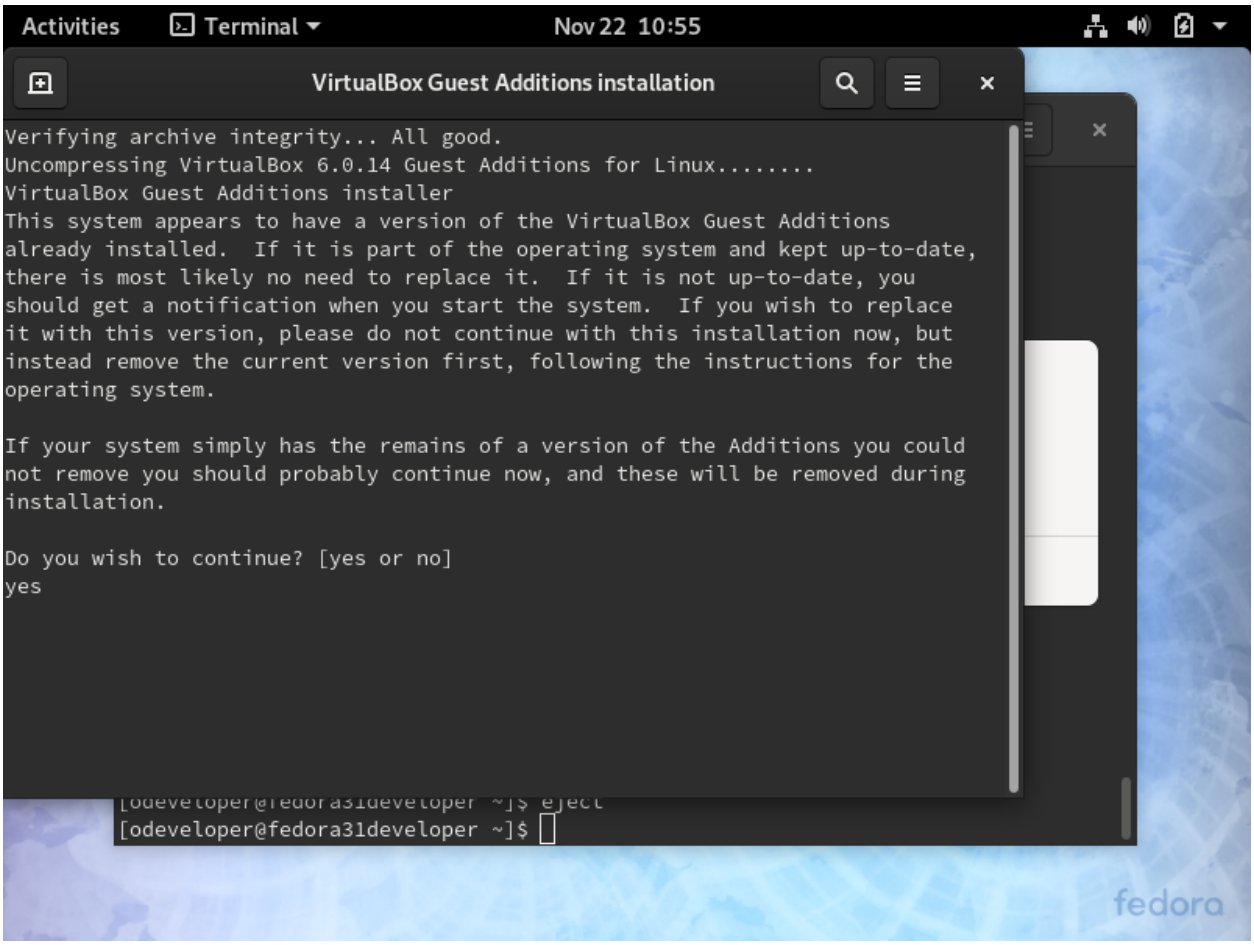
Step 035 – Create Fedora 31 Workstation VM



Password: Oracle Developer password

Click: Authenticate

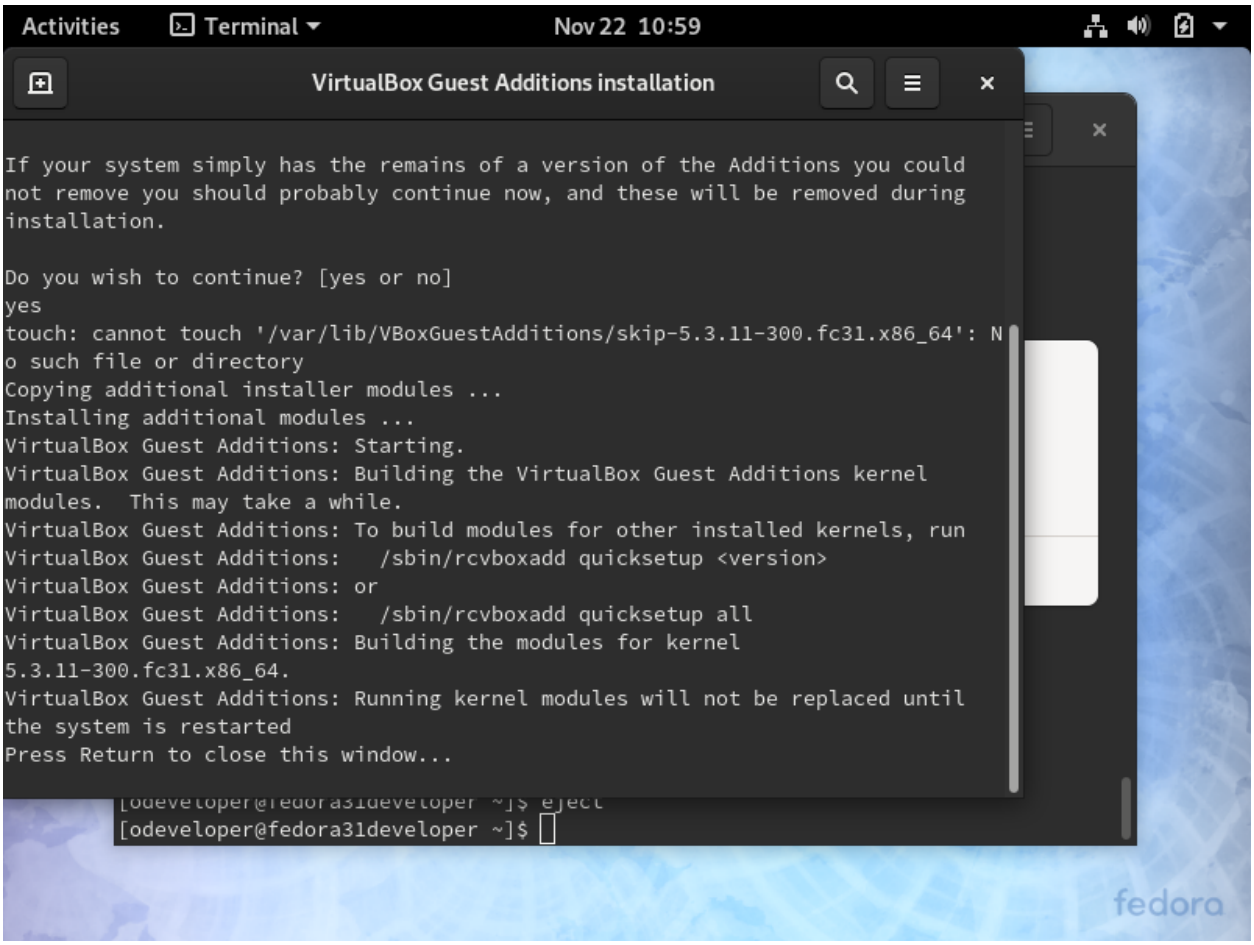
Step 035 – Create Fedora 31 Workstation VM



Do you wish to continue? [yes or no]

yes

Step 035 – Create Fedora 31 Workstation VM



Press Return

Cancel dialog box

Restart VM

Now, screen resizing works. Lots more screen real estate.