

# Installation / Cloud Images

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# Repositories

## Installation

- Fedora 32 netinst 579 M  
[Fedora-Workstation-netinst-x86\\_64-30-1.2.iso](https://mirrors.fedoraproject.org/mirrordata/Fedora-Workstation-netinst-x86_64-30-1.2.iso)
- Debian 11 Bullseye netinst amd64 396M  
<https://cdimage.debian.org/debian-cd/current/amd64/iso-cd/debian-11.1.0-amd64-netinst.iso>
- Centos 8.4 boot 723M  
[http://mirror.airenetworks.es/CentOS/8.4.2105/isos/x86\\_64/CentOS-8.4.2105-x86\\_64-boot.iso](http://mirror.airenetworks.es/CentOS/8.4.2105/isos/x86_64/CentOS-8.4.2105-x86_64-boot.iso)

## Cloud

- Fedora Cloud 32 Repo: /pub/fedora/linux/releases/32/Cloud/x86\_64/images  
[https://dl.fedoraproject.org/pub/fedora/linux/releases/32/Cloud/x86\\_64/images](https://dl.fedoraproject.org/pub/fedora/linux/releases/32/Cloud/x86_64/images)  
Image: Fedora-Cloud-Base-32-1.6.x86\_64.qcow2 289M

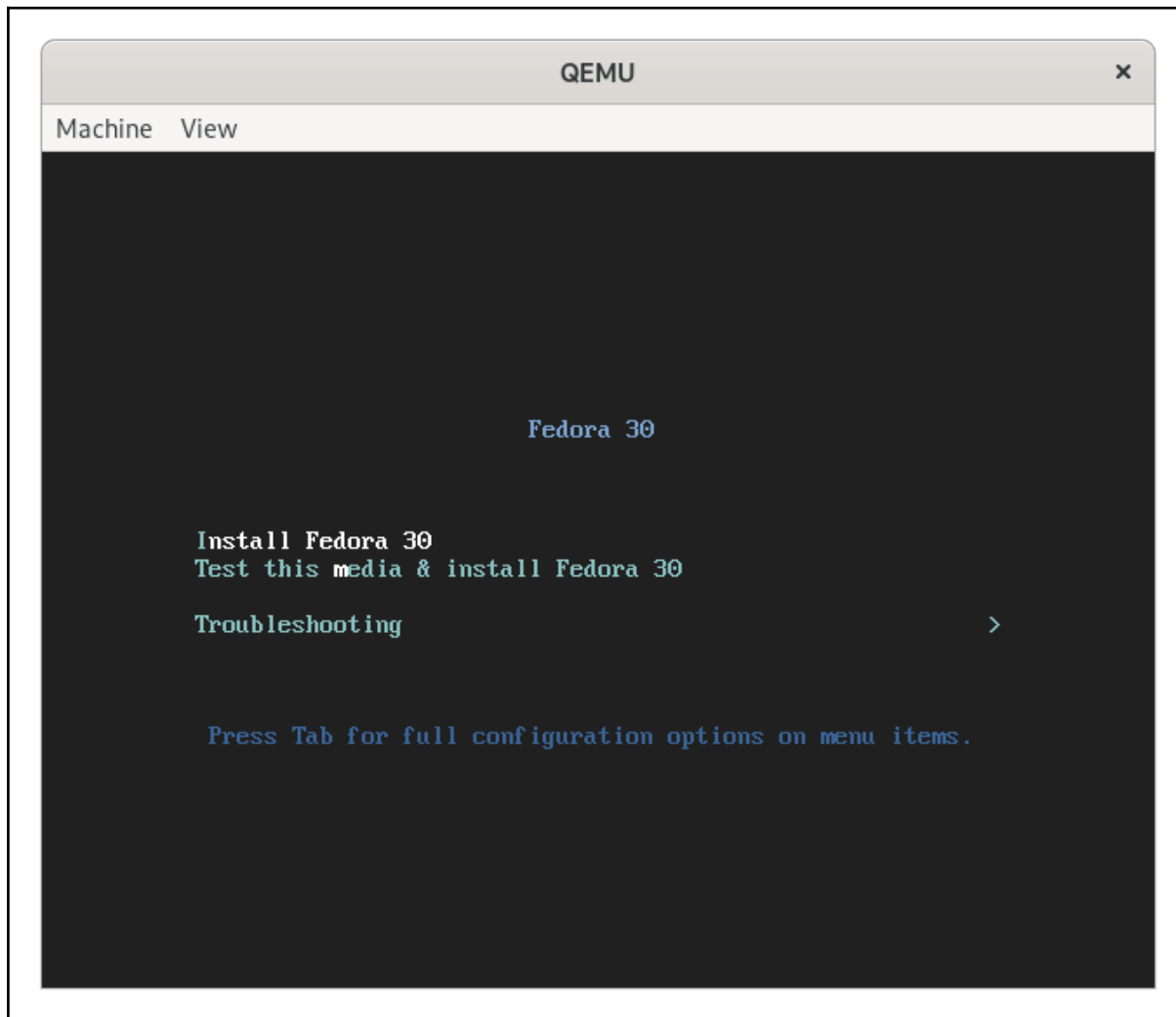
Fedora images have no root/user access. Image should be modified by virt-sysprep to set the root password: virt-sysprep belongs to the libguestfs-tools package

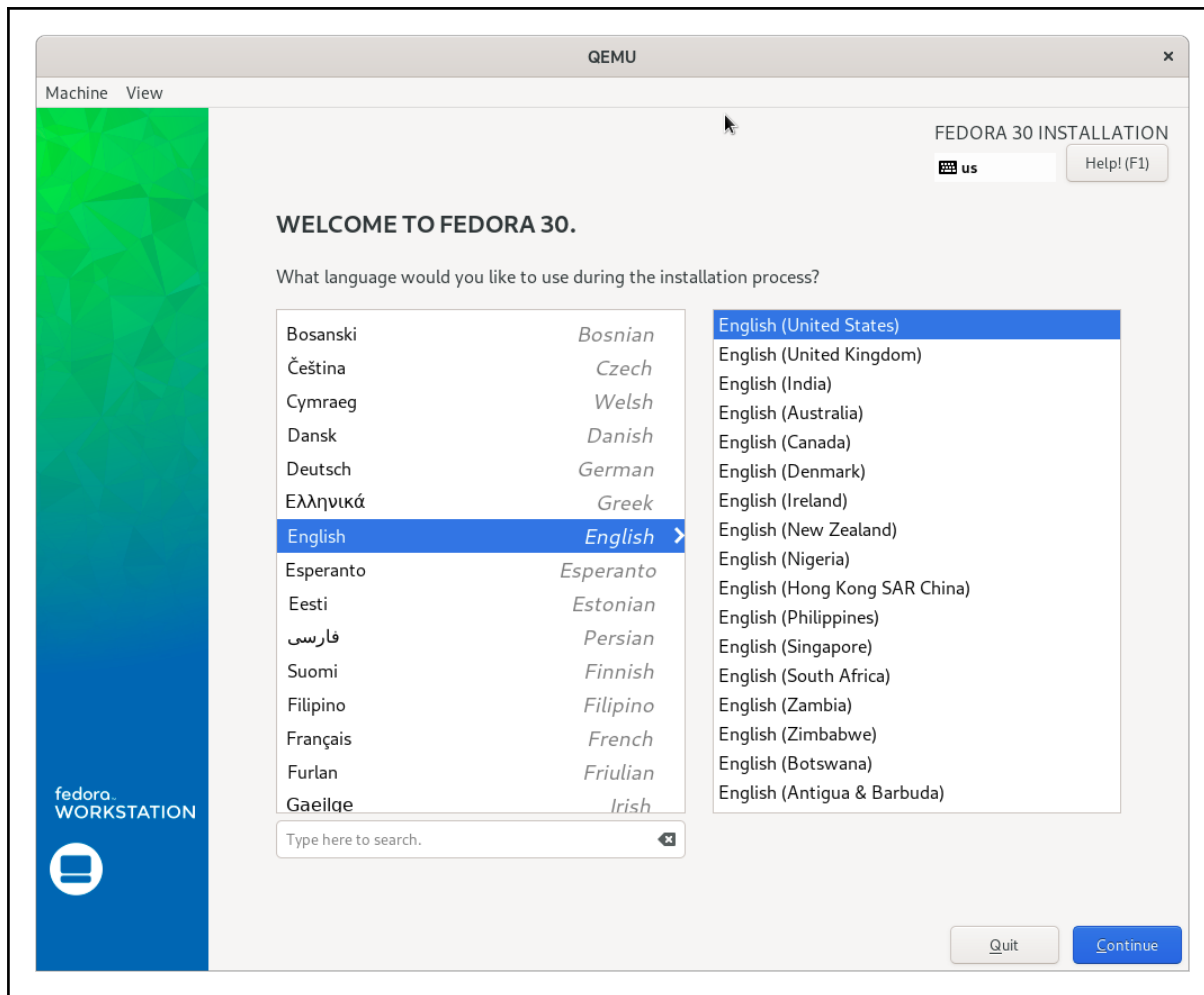
```
$ sudo virt-sysprep -a Fedora-name-image.qcow2 --root-password password:newpasswd
```

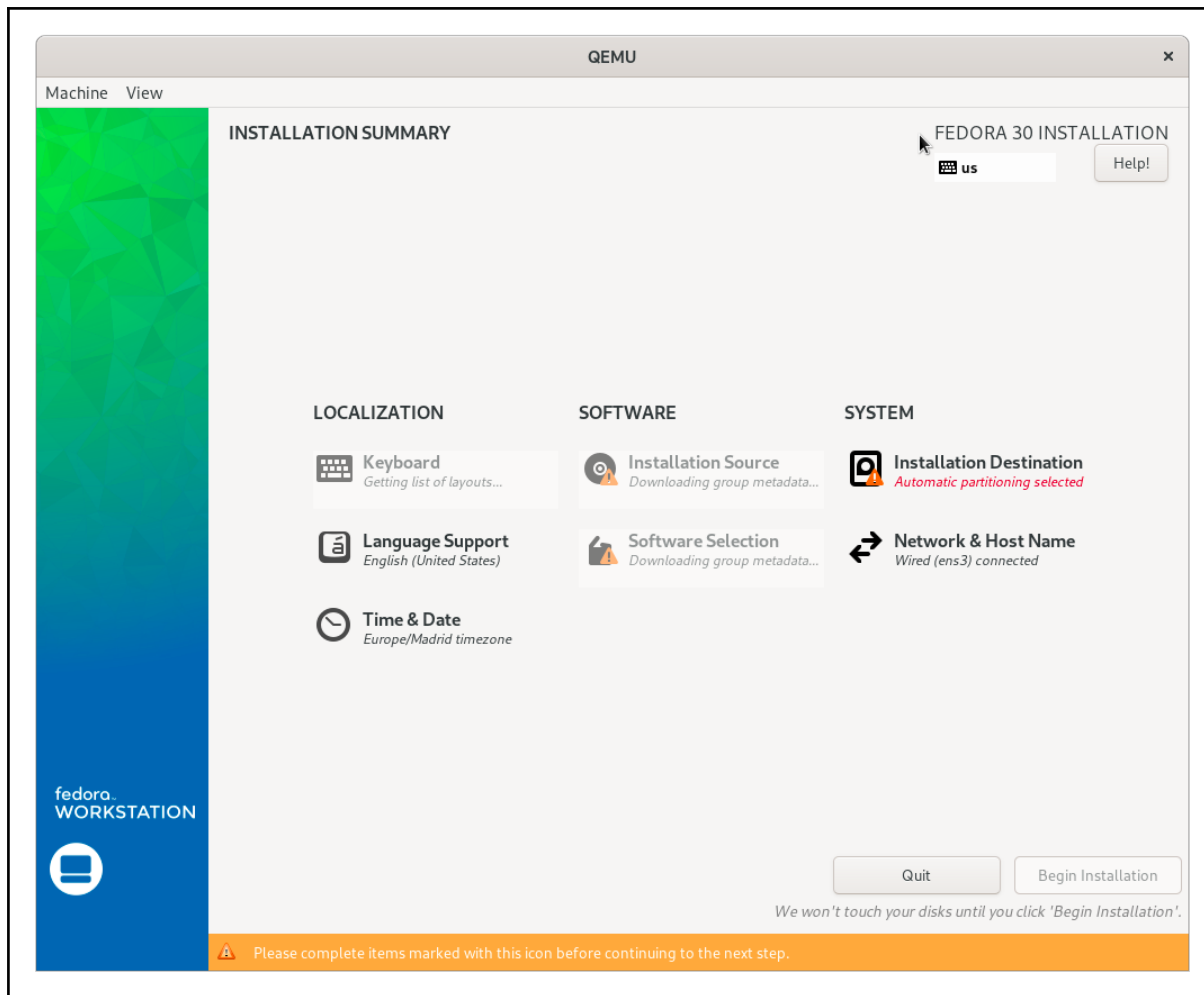
- Debian 11 Bullseye nocloud 297M  
<https://cloud.debian.org/images/cloud/bullseye/latest/debian-11-nocloud-amd64.qcow2>

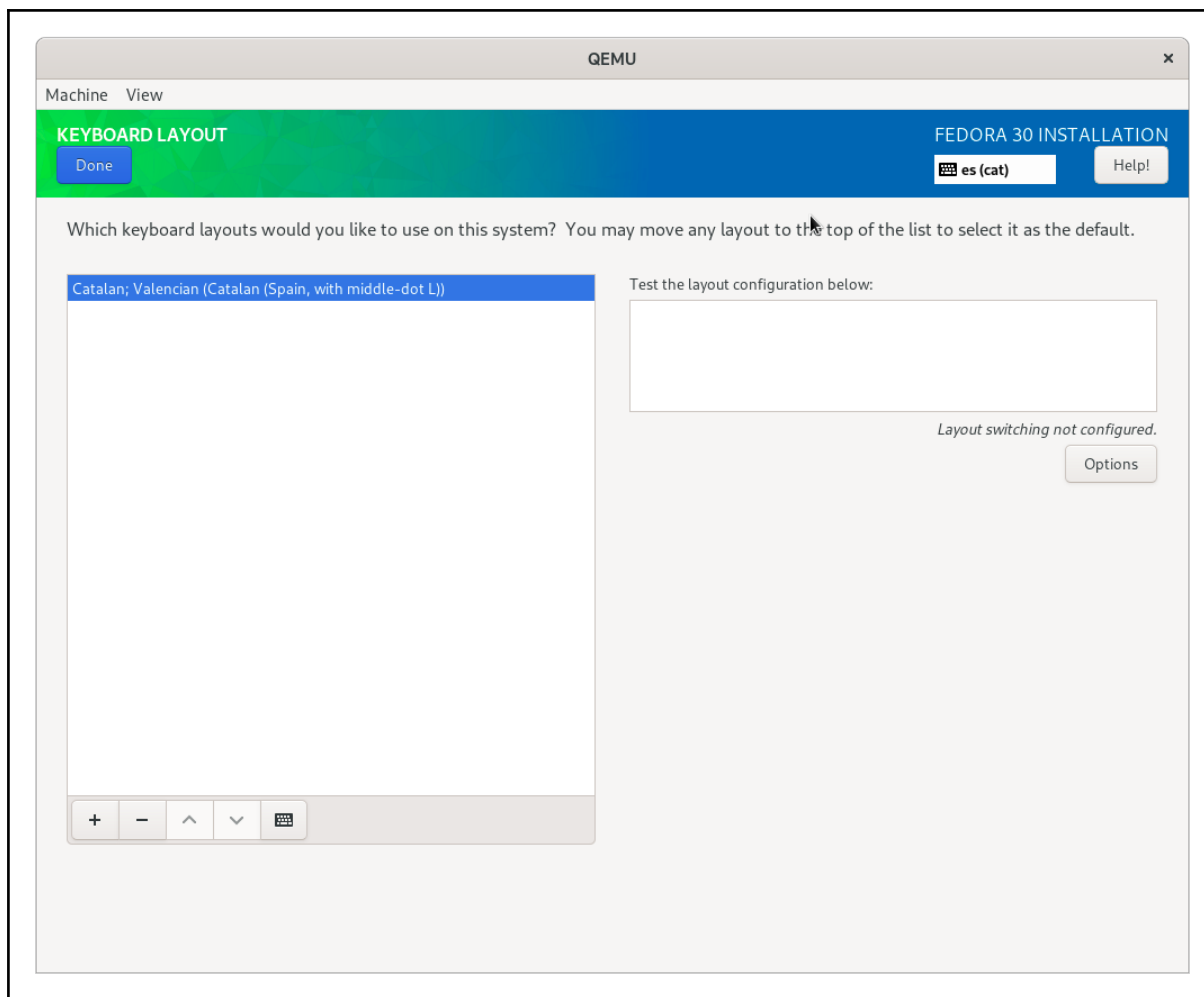
# Fedora Installation

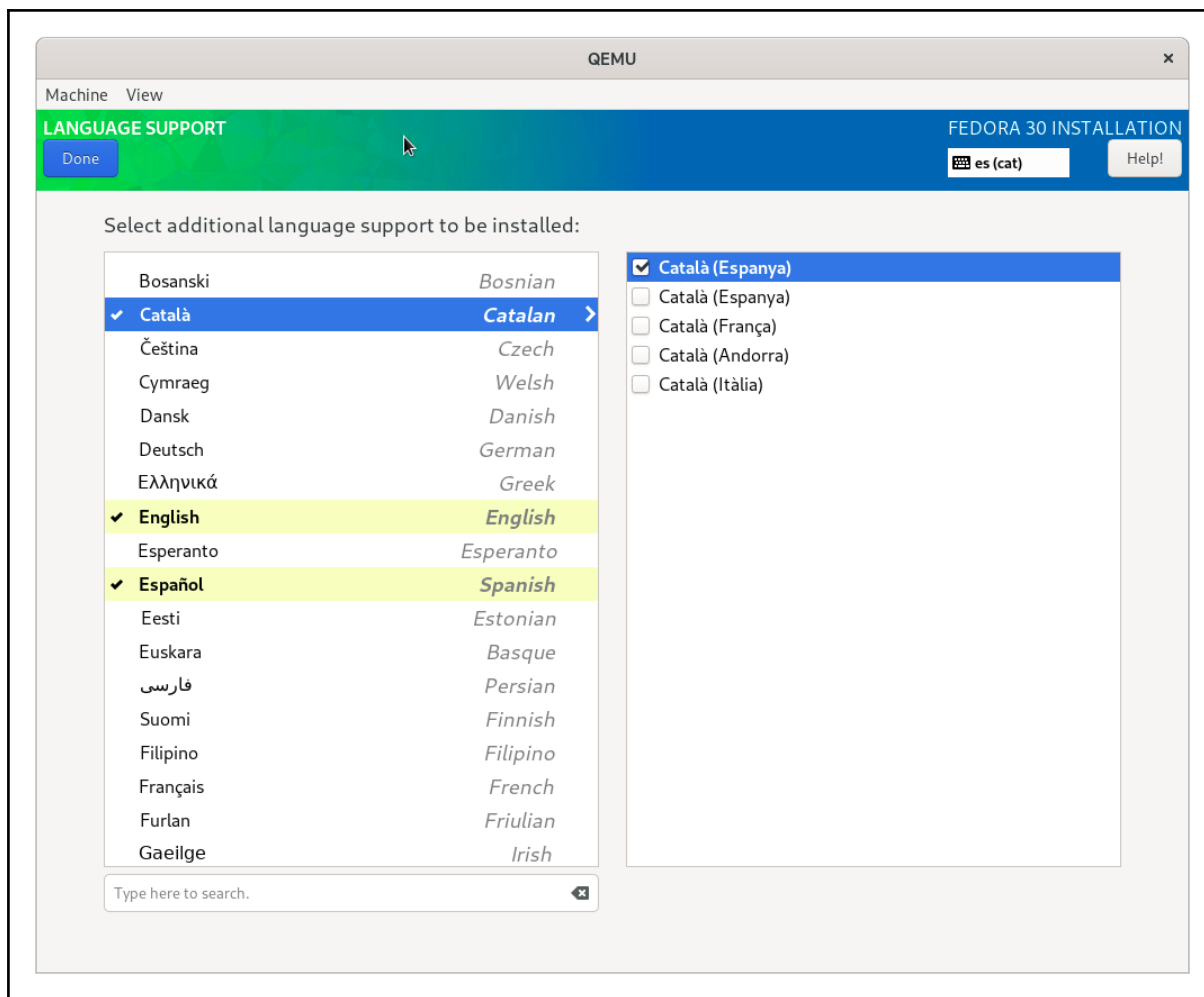
```
# dd if=/dev/zero of=disk.img bs=1k count=4M status=progress  
# qemu-system-x86_64 -m 2048 -hda disk.img -cdrom  
../Fedora-Workstation-netinst-x86_64-30-1.2.iso
```












QEMU

MachineView

INSTALLATION DESTINATION

Done

FEDORA 30 INSTALLATION

 es (cat)


Help!

Device Selection

Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.

Local Standard Disks

4 GiB



ATA QEMU HARDDISK

sda / 4 GiB free

Specialized & Network Disks

Add a disk...

Storage Configuration

☒ Automatic

☐ Custom

☐ Advanced Custom (Blivet-GUI)

☐ I would like to make additional space available.

Encryption

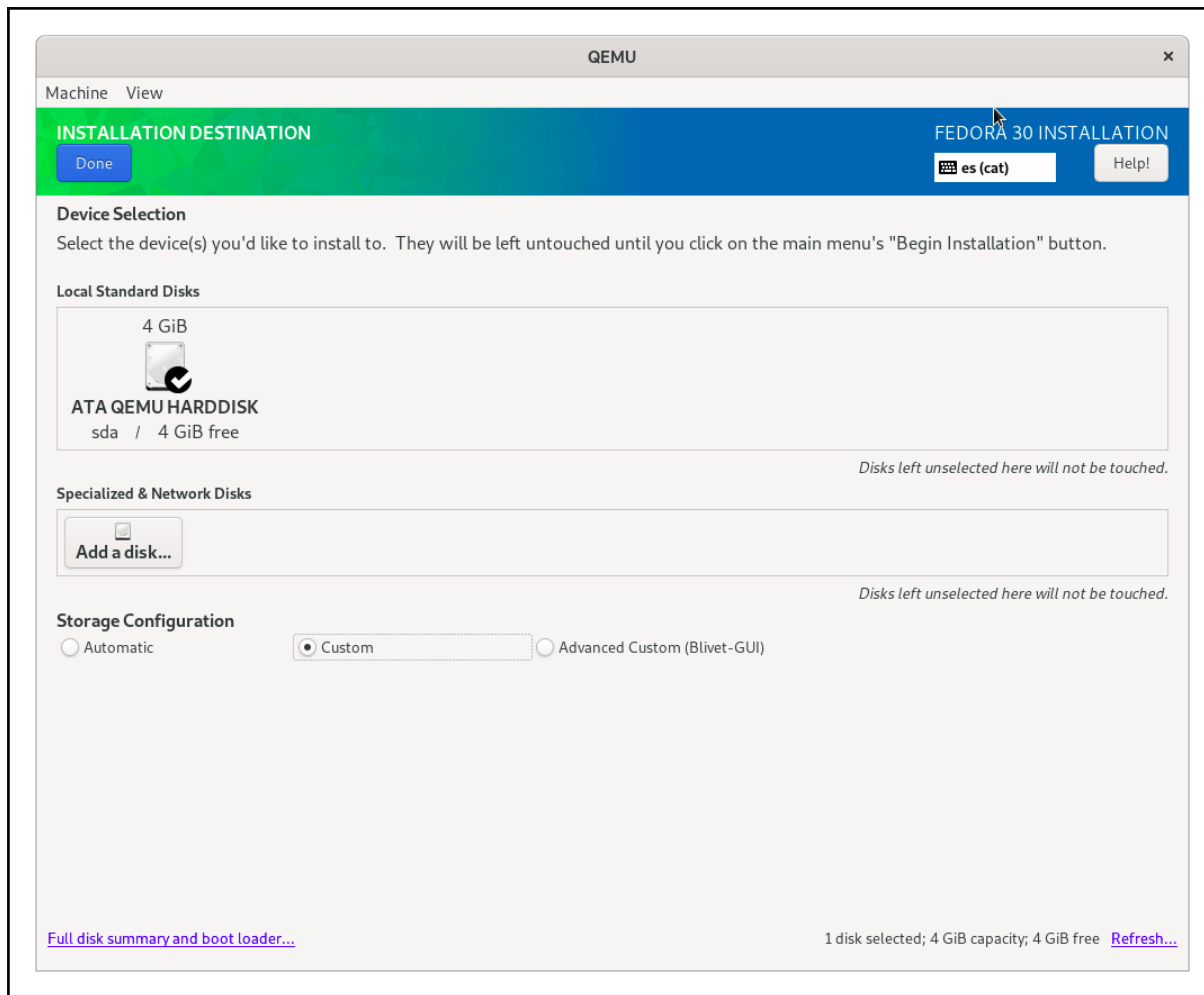
☐ Encrypt my data. You'll set a passphrase next.

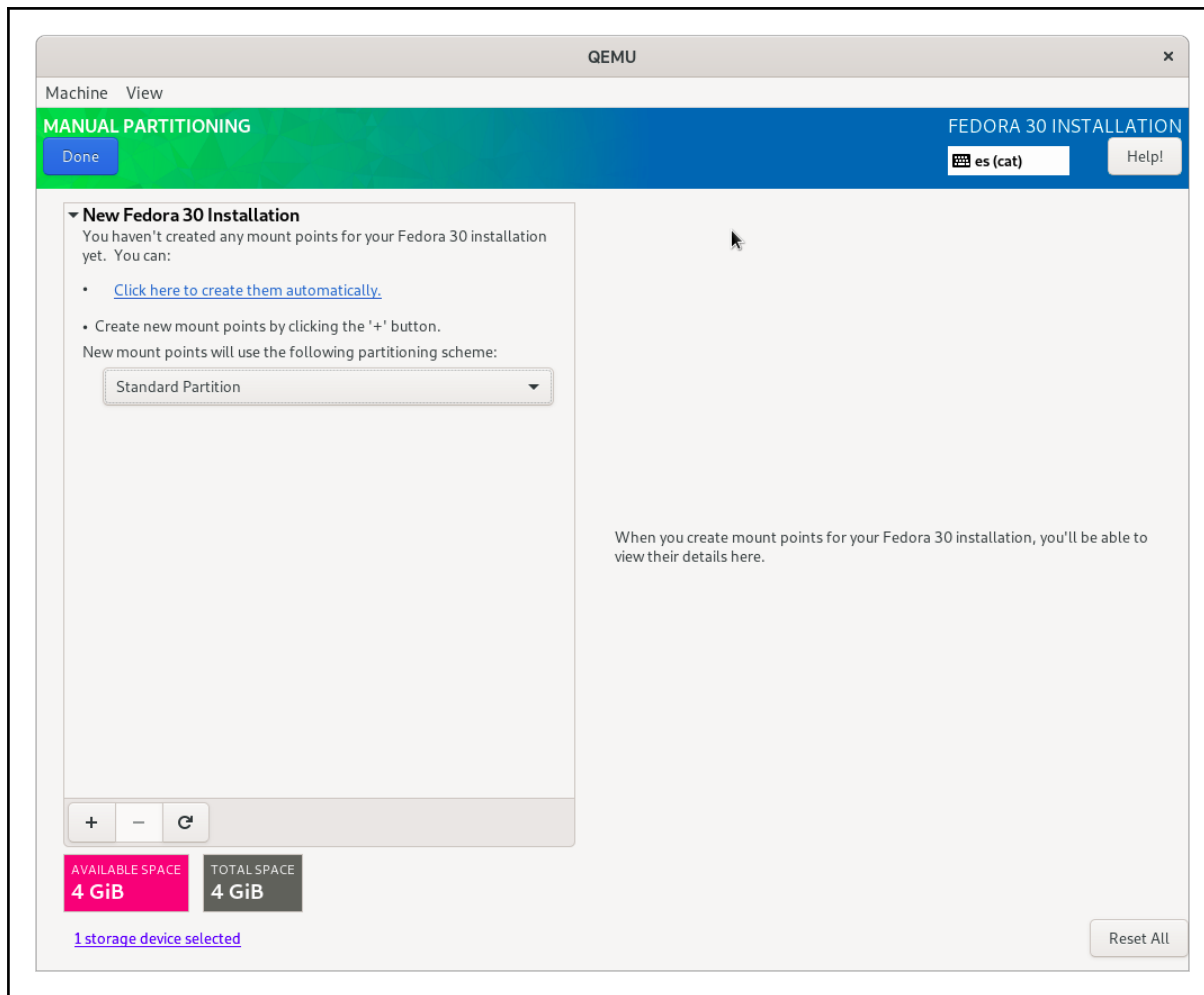
[Full disk summary and boot loader...](#)

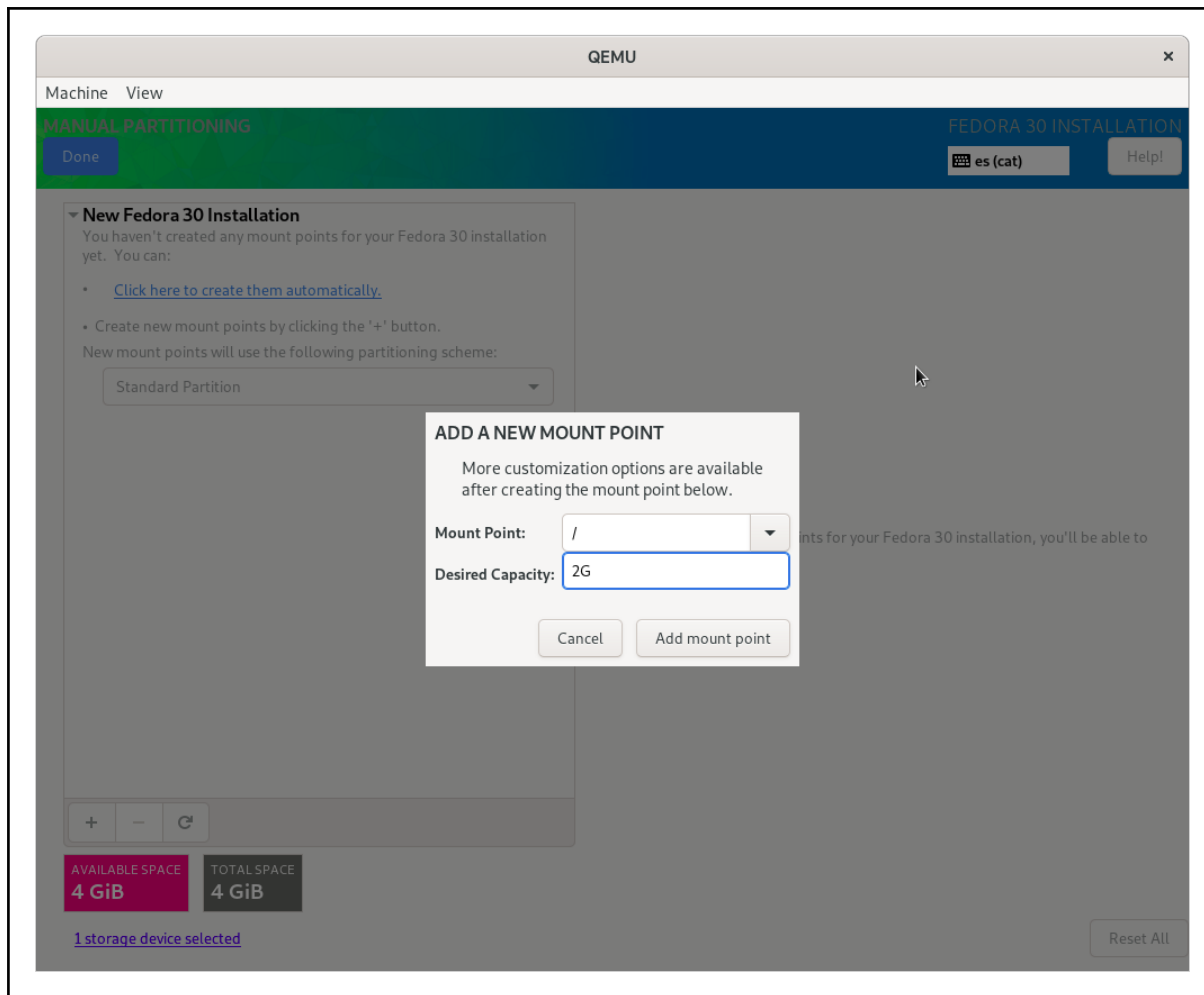
1 disk selected; 4 GiB capacity; 4 GiB free [Refresh...](#)

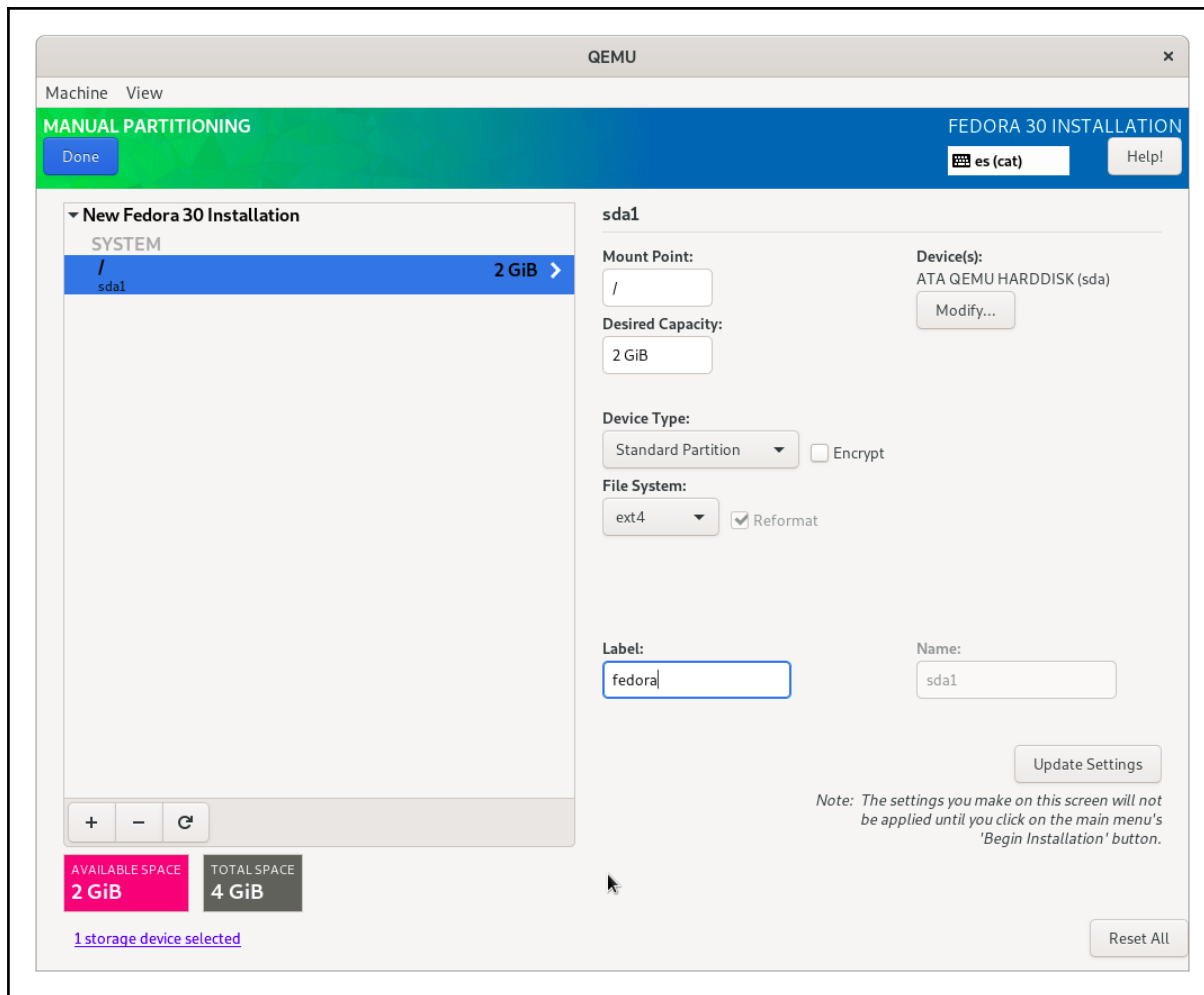
8

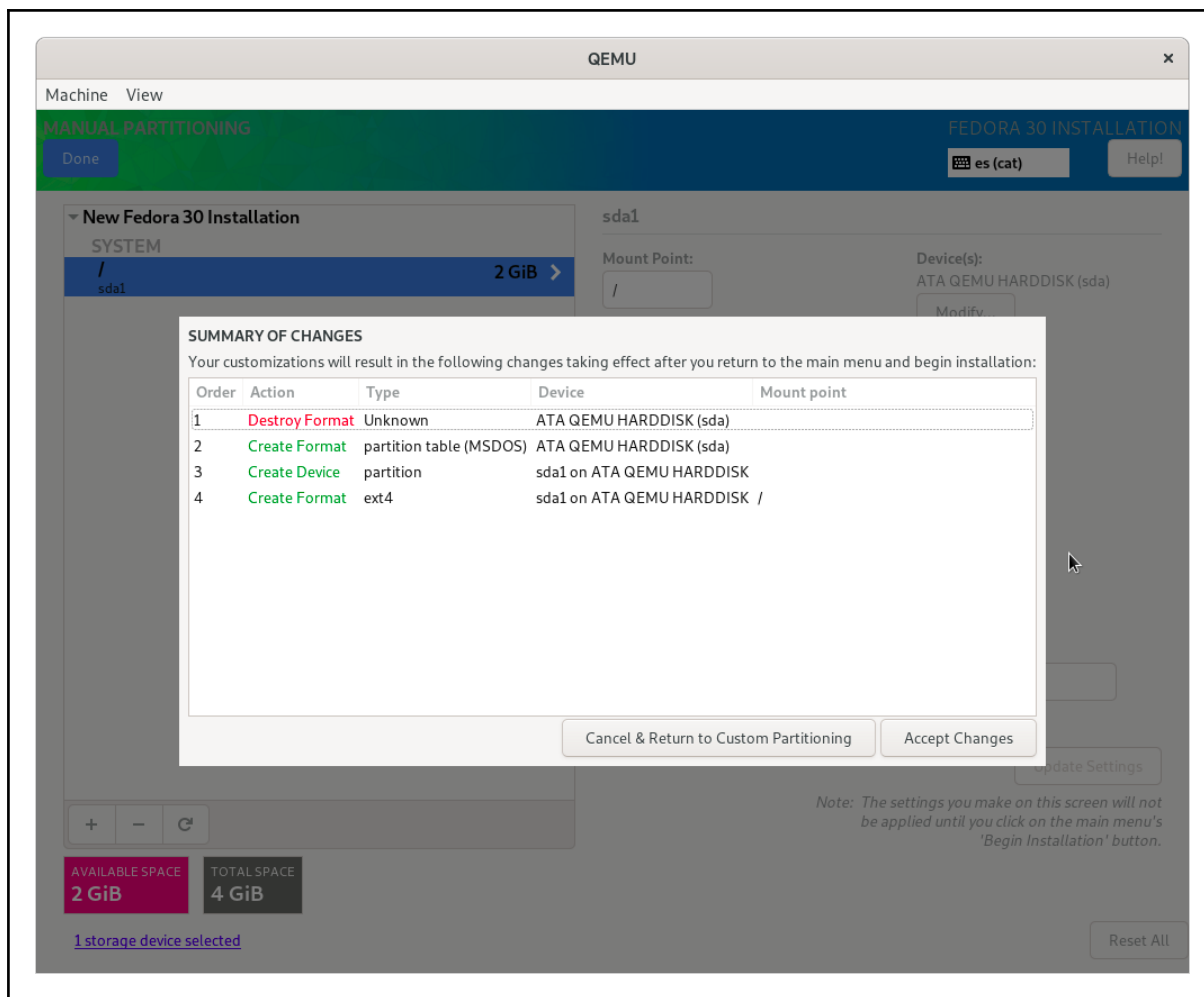


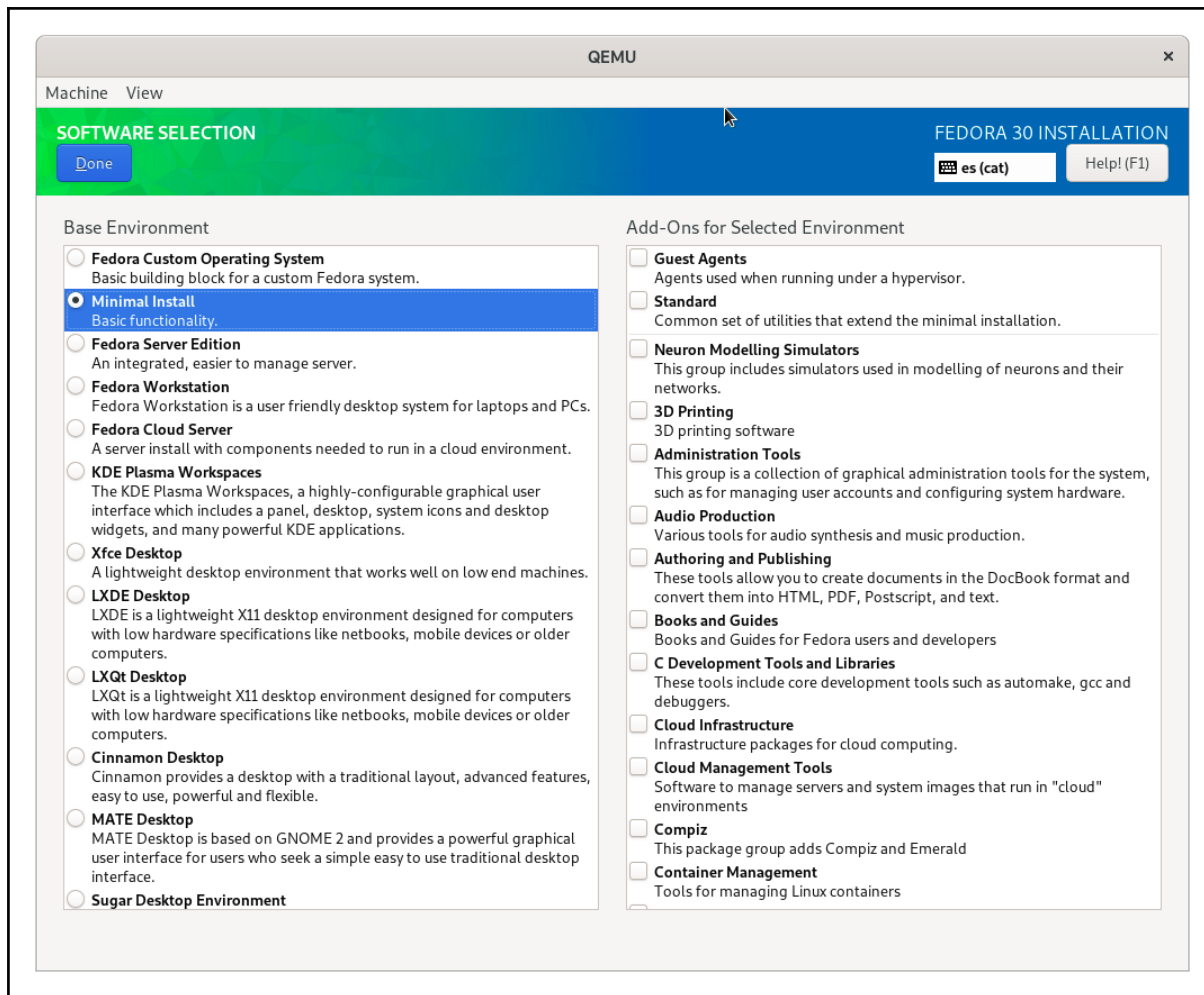


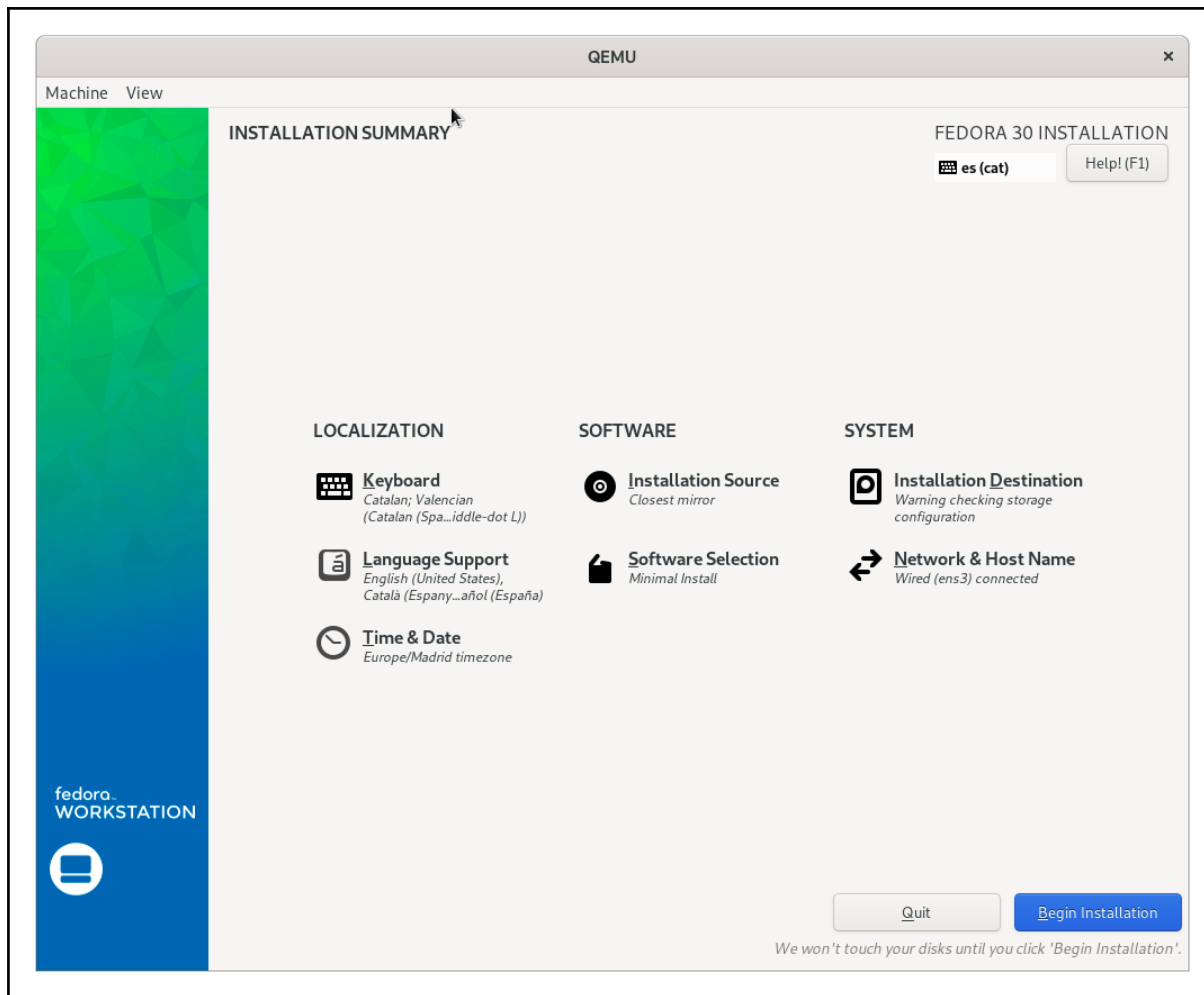


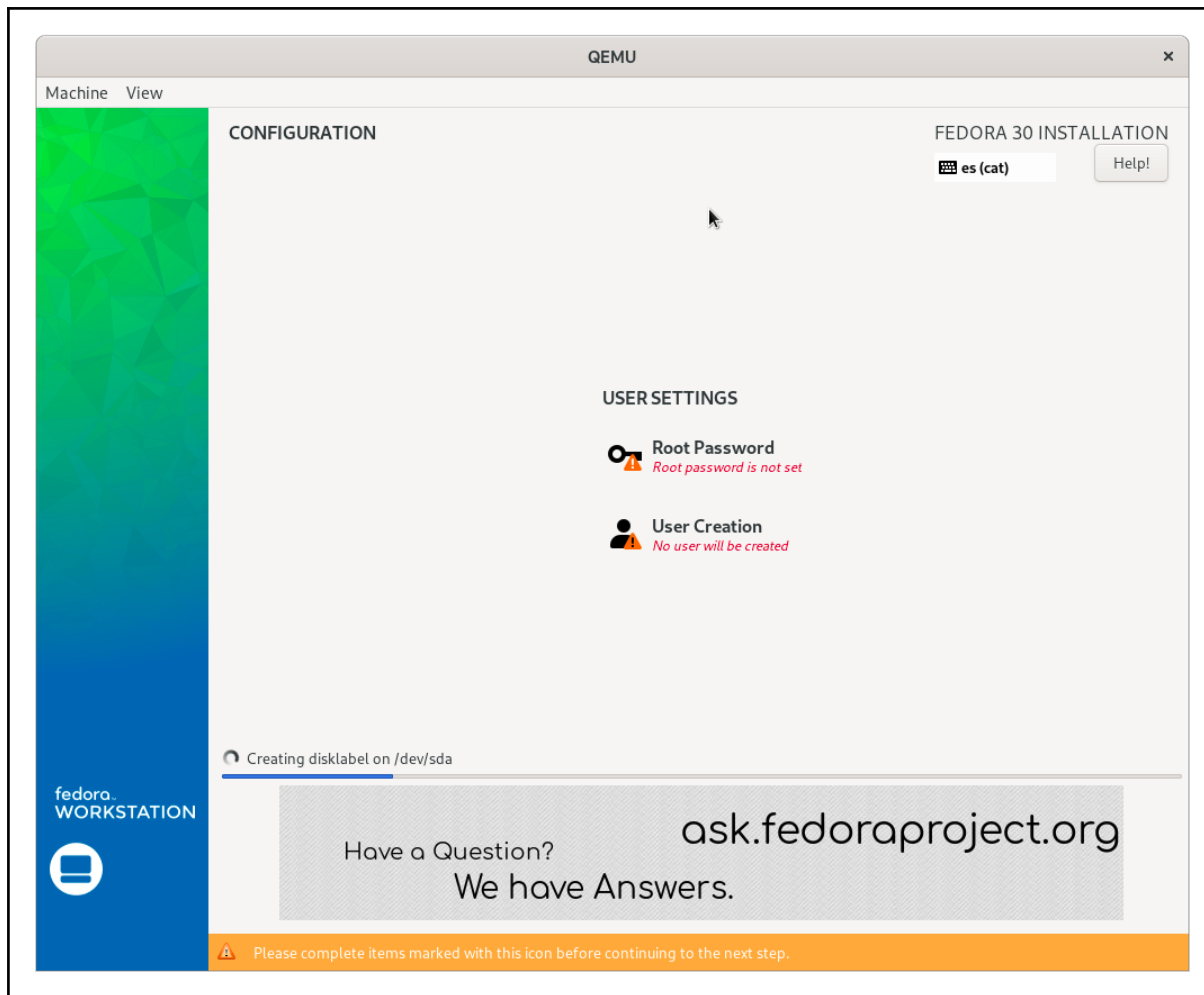















QEMU

MachineView

ROOT PASSWORD

Done

FEDORA 30 INSTALLATION

 es (cat)

Help!


The root account is used for administering the system. Enter a password for the root user.

Root Password:

Too short

Confirm:

☐ Lock root account

 The password is too short You will have to press **Done** twice to confirm it.

QEMU

MachineView

CREATE USER

Done

FEDORA 30 INSTALLATION

es (cat)

Help!

Full name

guest

User name

guest

Tip: Keep your user name shorter than 32 characters and do not use spaces.

☐ Make this user administrator

☒ Require a password to use this account

Password


.....

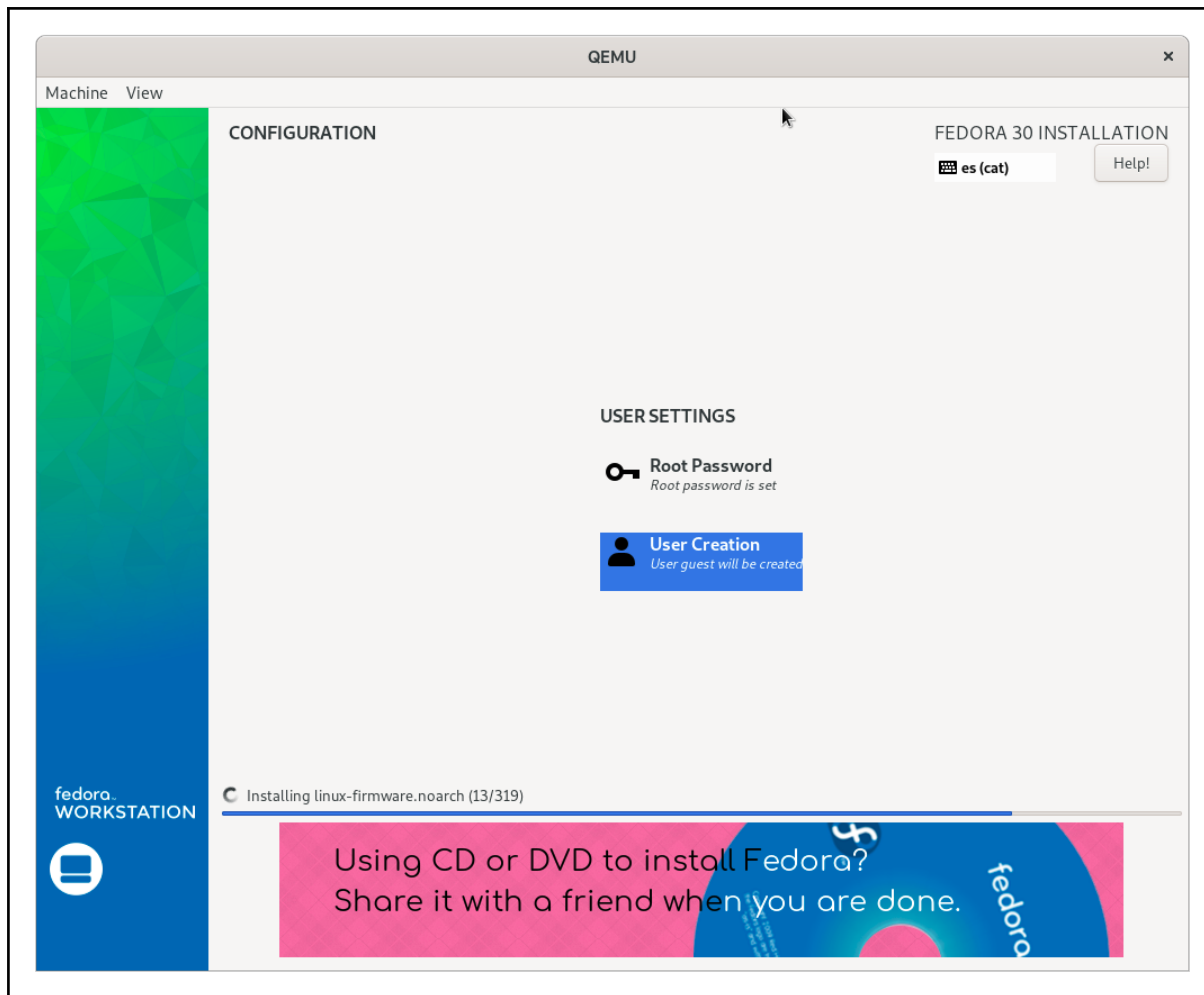
Too short

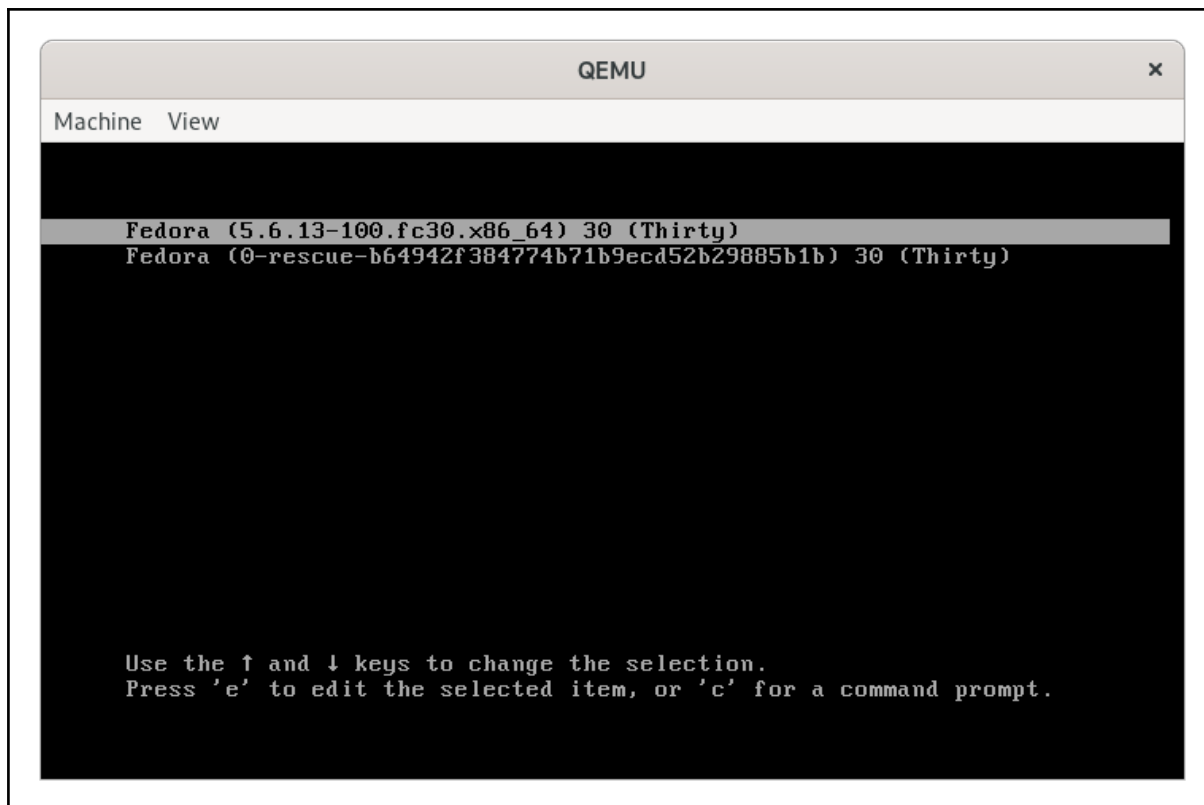
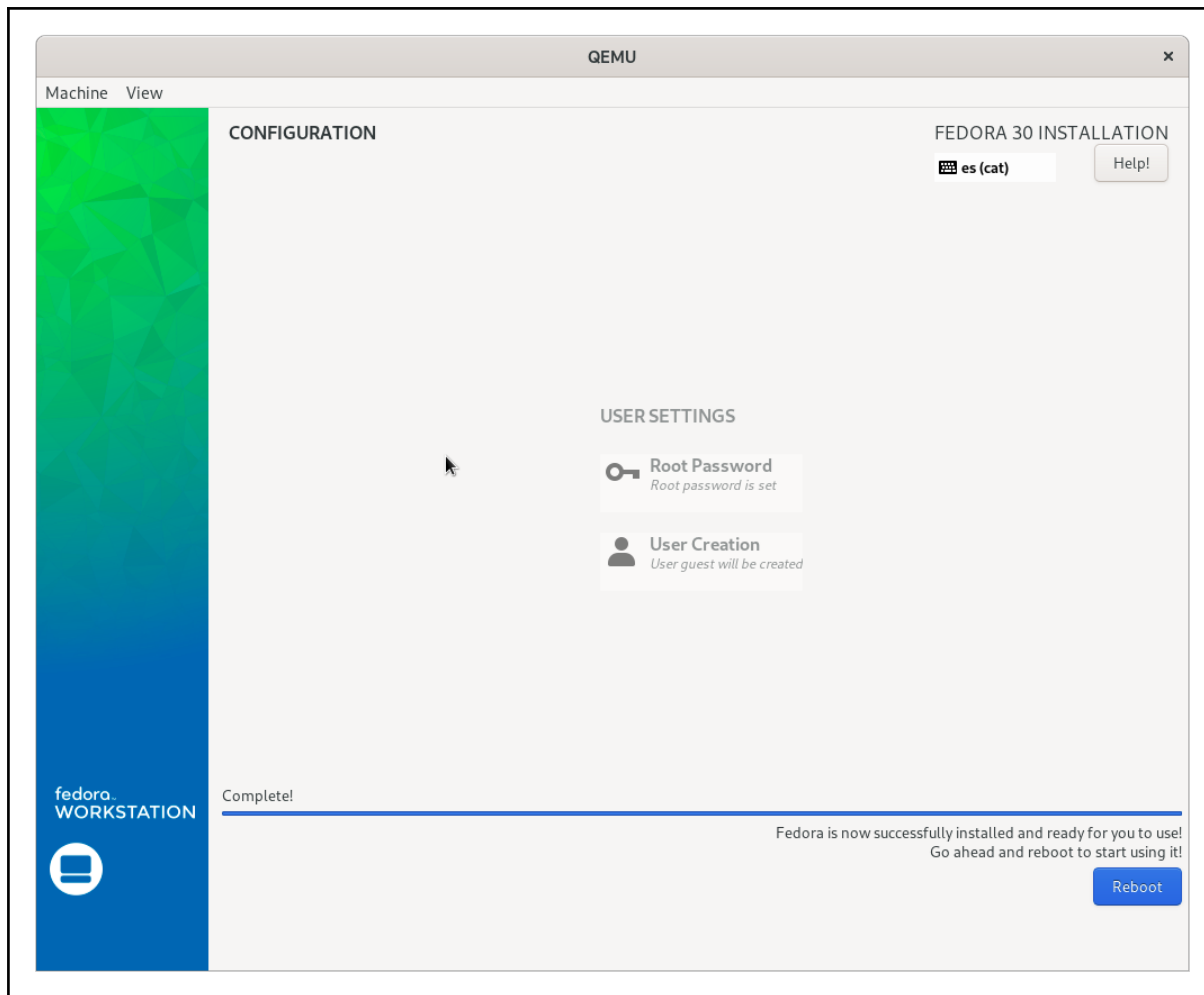
Confirm password

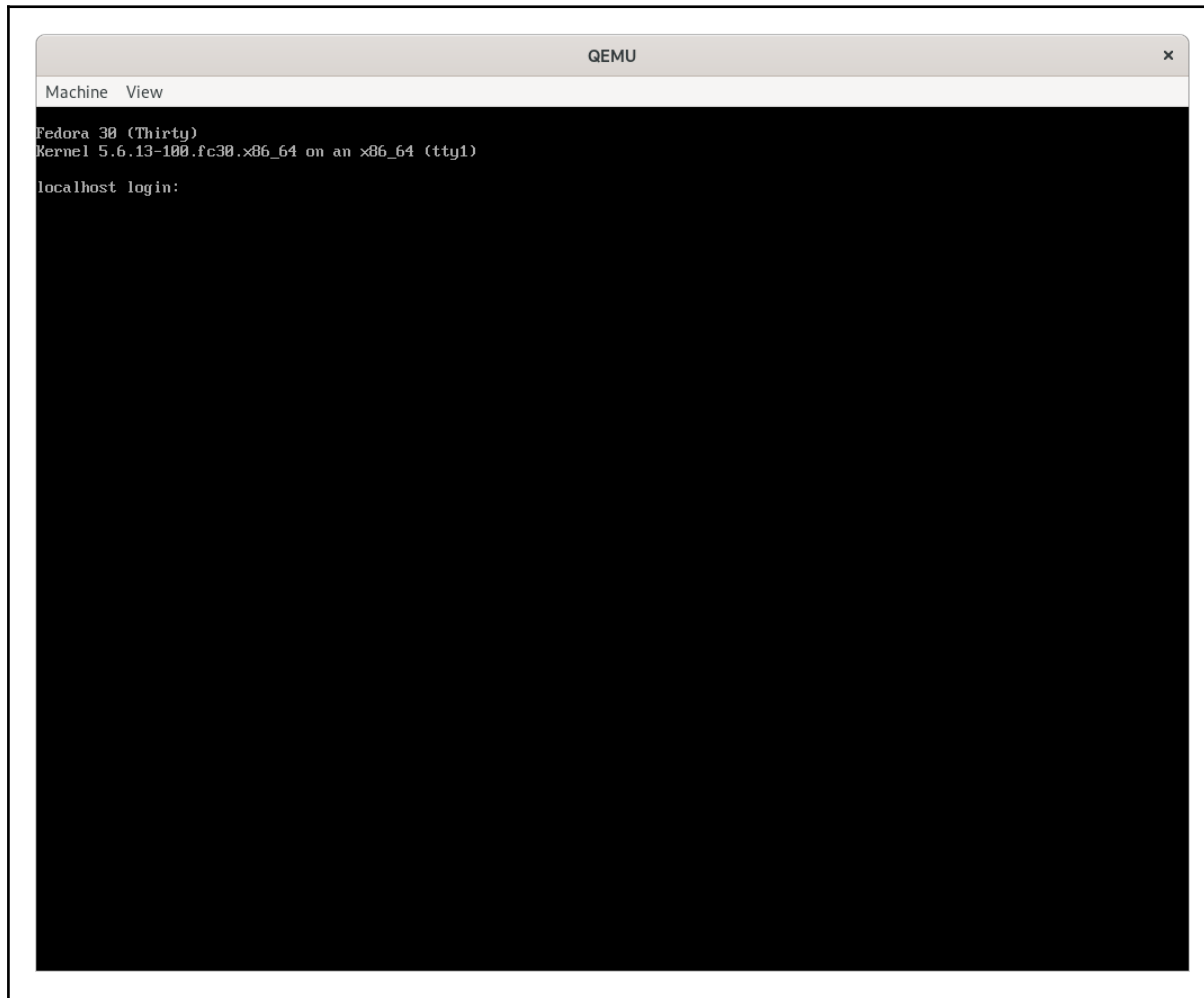
.....

Advanced...

 The password is too short You will have to press Done twice to confirm it.







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## Debian Install

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# Convert OVA to qcow2

☐ <https://blog.ricosharp.com/posts/2019/Converting-ova-file-to-qcow2>

```
$ tar -xvf librenms-centos-7.6-x86_64.ova
```

```
$ qemu-img convert librenms-centos-7.6-x86_64-disk001.vmdk  
librenms-centos-7.6-x86_64-disk001.qcow2 -O qcow2
```

```
$ file librenms-centos-7.6-x86_64-disk001.qcow2
```