Installation / Cloud Images

Repositories **2**
- Installation 2
- Cloud 2

Fedora Installation **3**

Debian Install **22**

Convert OVA to qcow2 **62**

Repositories

Installation

- Fedora 32 netinst 579 M
  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

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
  Image: Fedora-Cloud-Base-32-1.6.x86_64.qcow2 289M

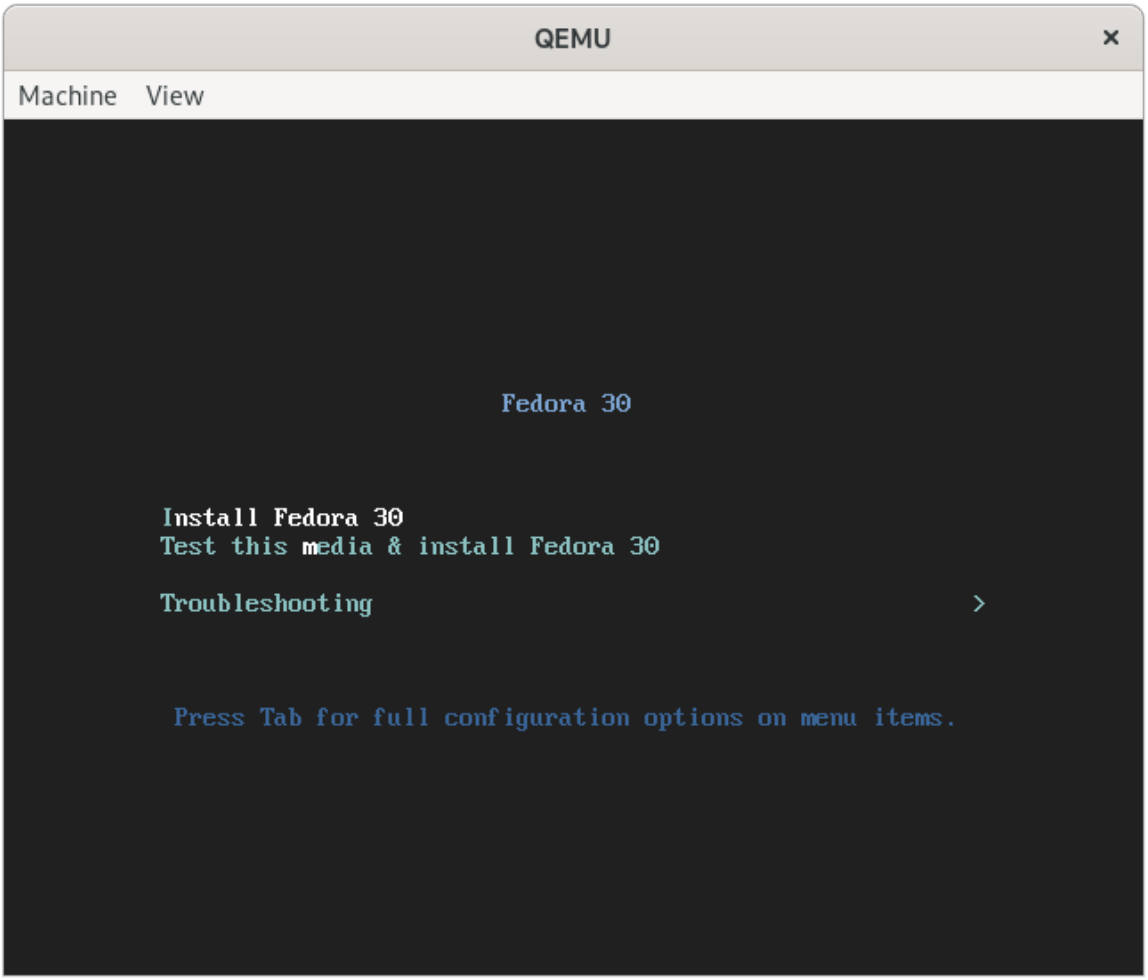
  Fedora images have no root/user access. Image should be modified by virt-sysprep to set the root password: virt-sysprep belongs to the libguestfs-tools package

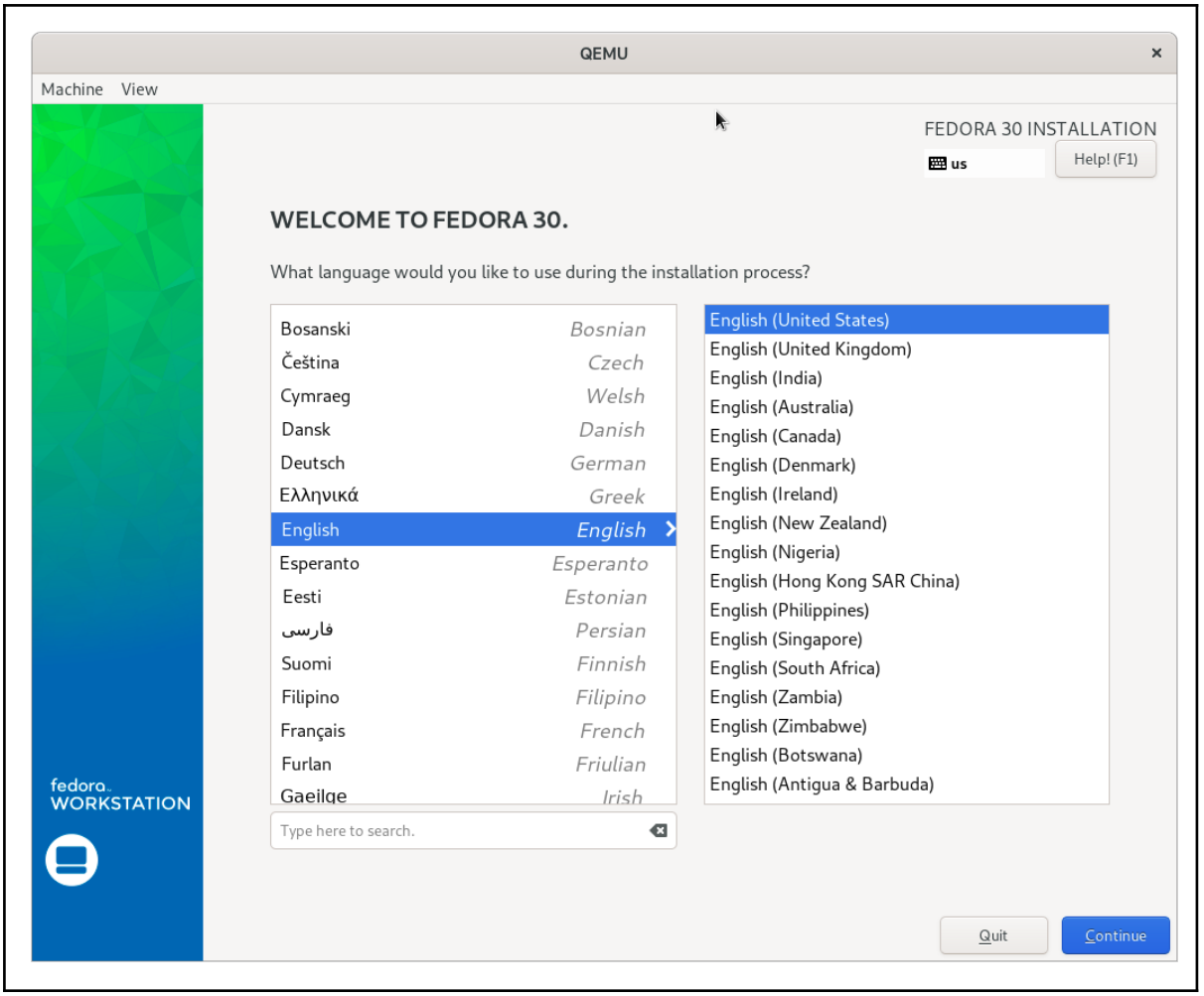
  ```
  $ sudo virt-sysprep -a Fedora-name-image.qcow2 --root-password password:newpasswd
  ```

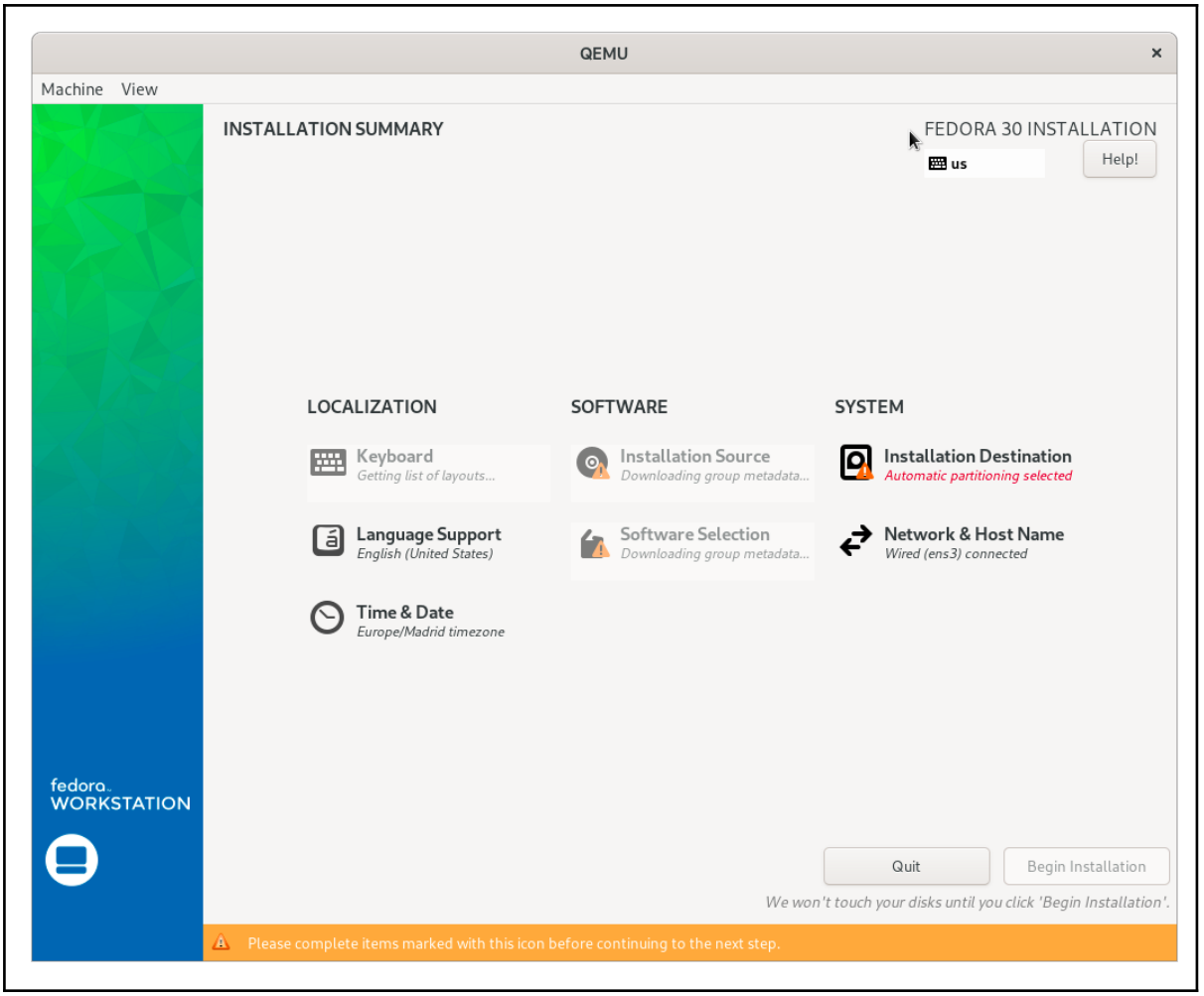
- Debian 11 Bullseye nocloud 297M
  https://cloud.debian.org/images/cloud/bullseye/latest/debian-11-nocloud-amd64.qcow2

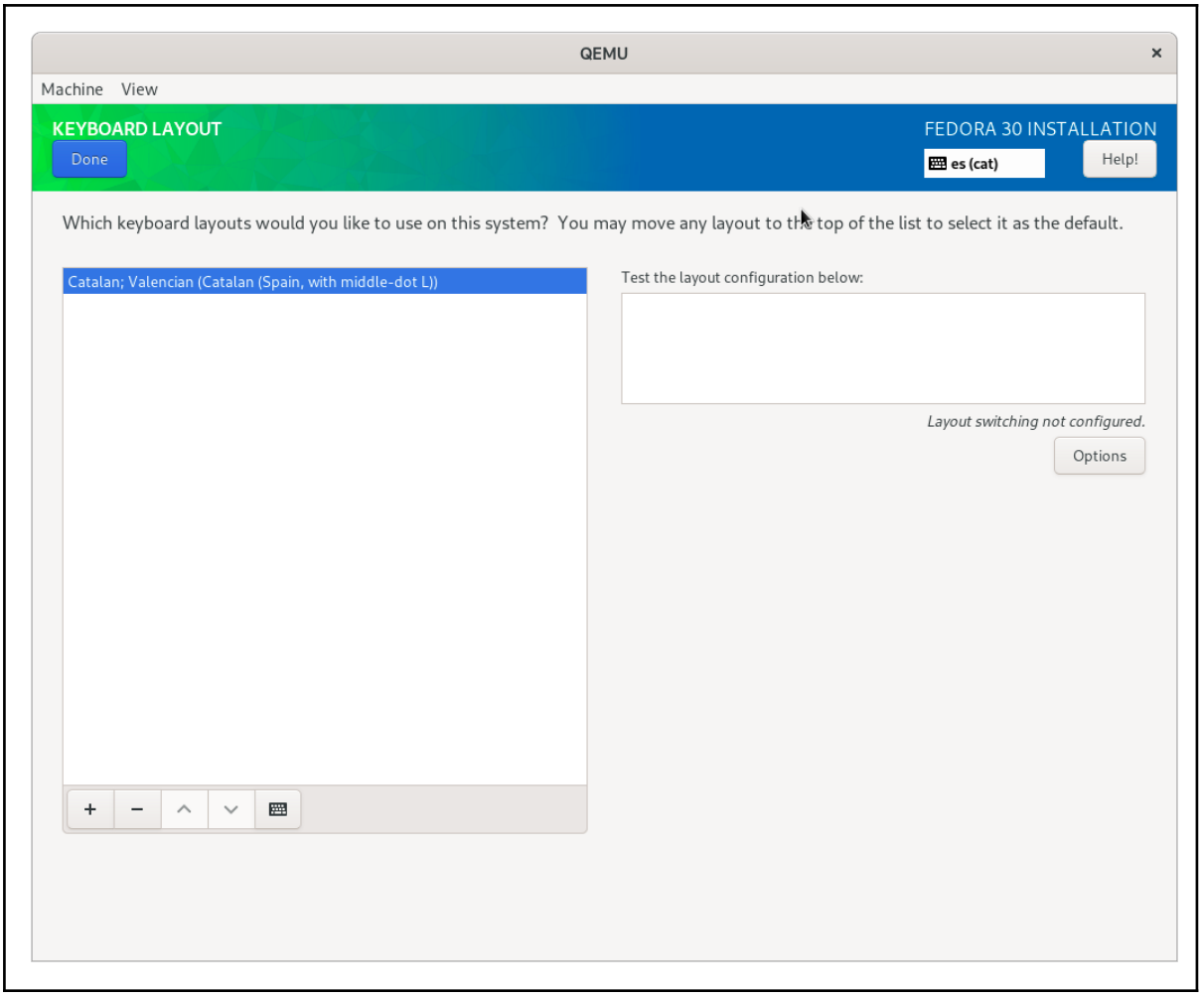
Fedora Installation

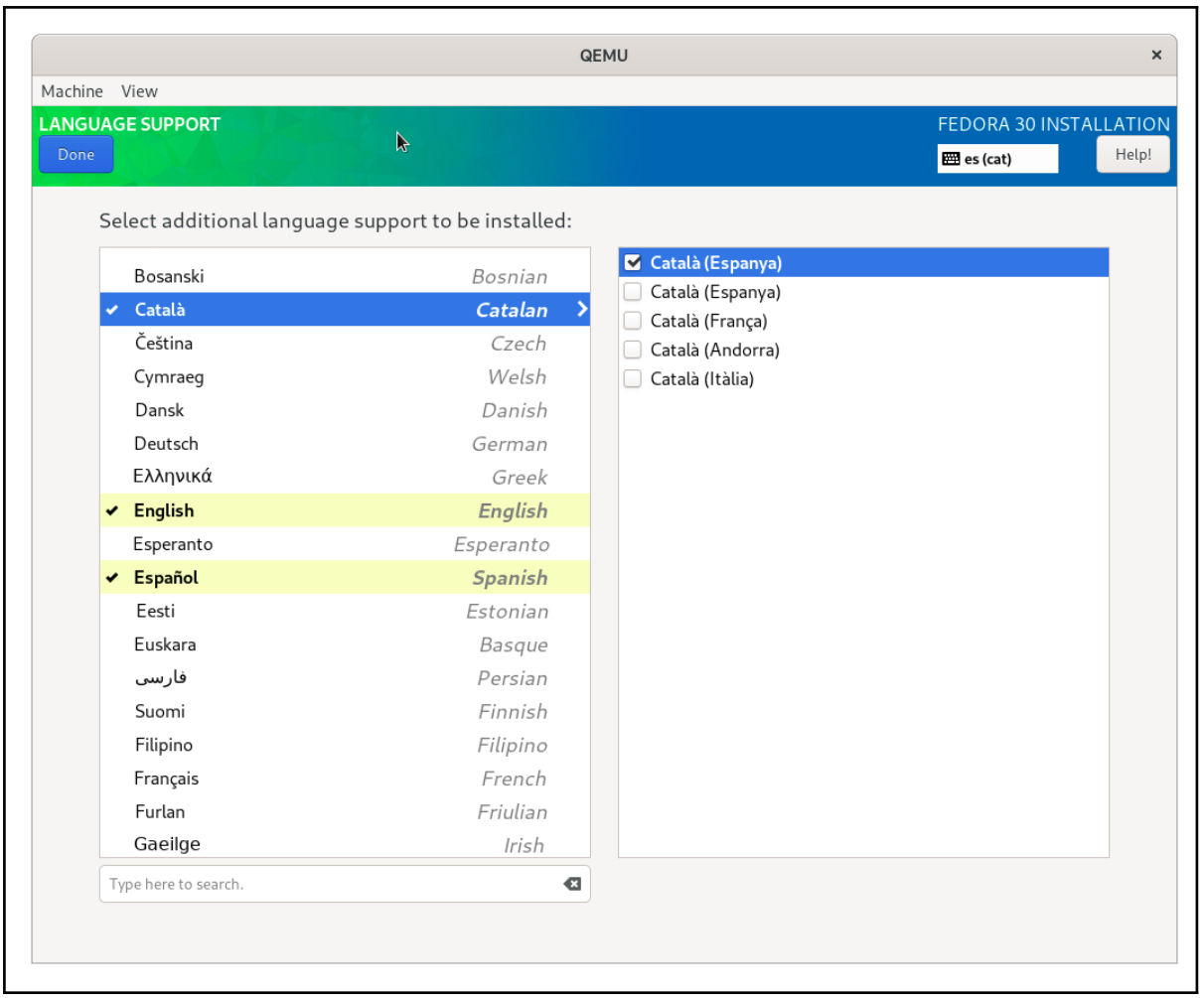
```
# dd if=/dev/zero of=disk.img bs=1k count=4M status=progress

# qemu-system-x86_64 -m 2048 -hda disk.img -cdrom
../Fedora-Workstation-netinst-x86_64-30-1.2.iso
```

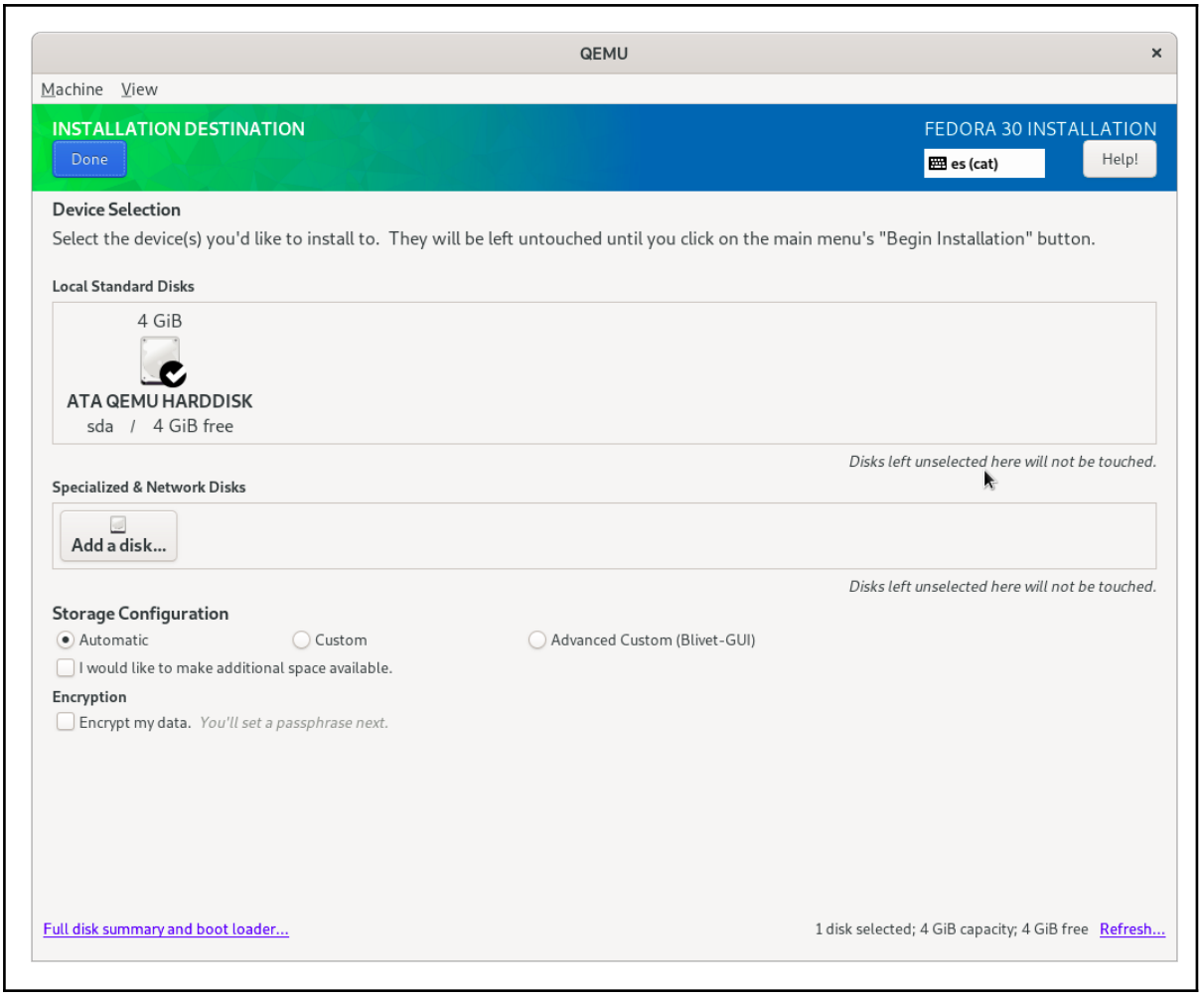


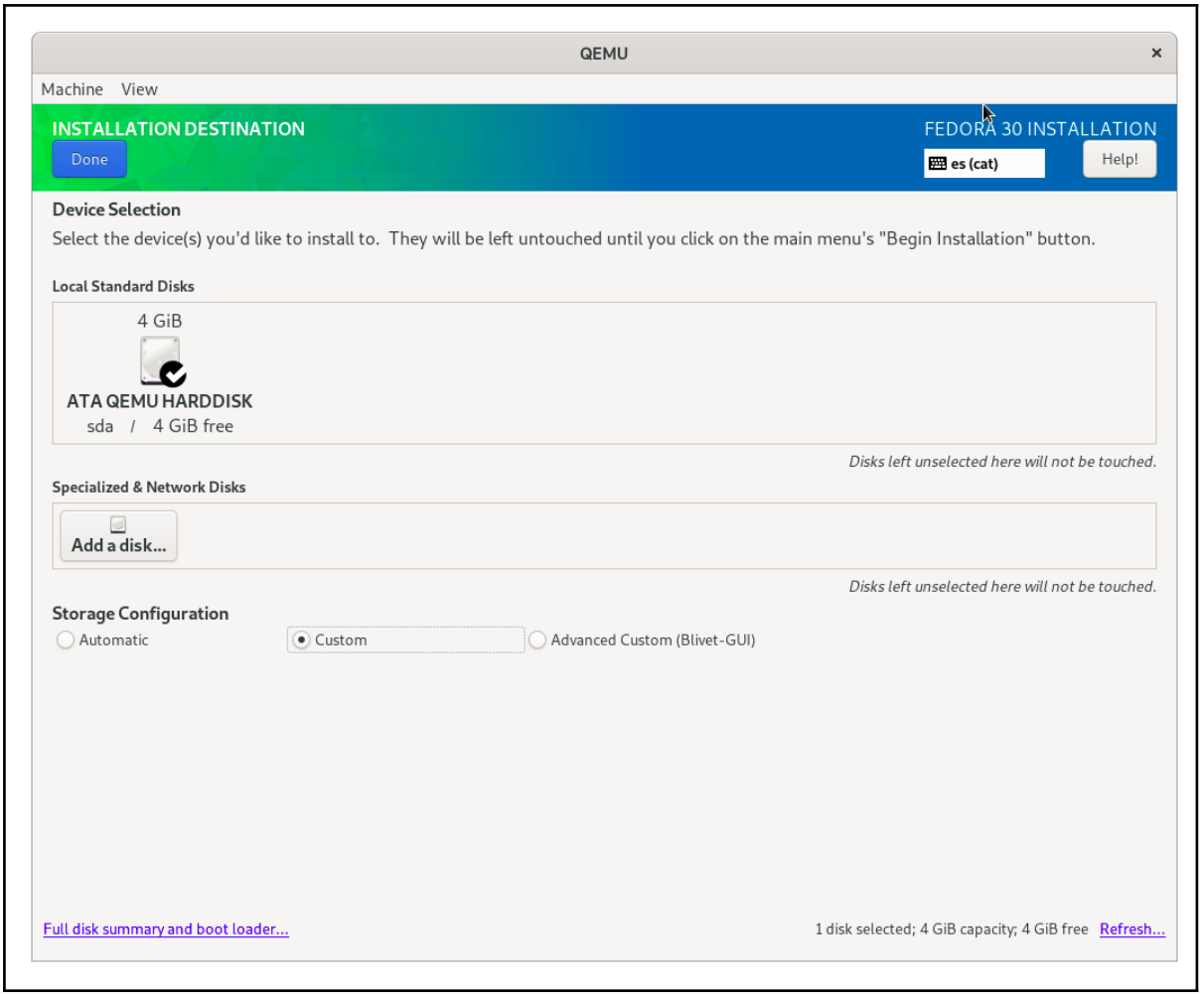

QEMU
Machine View
FEDORA 30 INSTALLATION
us
Help! (F1)
WELCOME TO FEDORA 30.
What language would you like to use during the installation process?
Bosanski Bosnian
Čeština Czech
Cymraeg Welsh
Dansk Danish
Deutsch German
Ελληνικά Greek
English English
Esperanto Esperanto
Eesti Estonian
فارسی Persian
Suomi Finnish
Filipino Filipino
Français French
Furlan Friulian
Gaeilge Irish
Type here to search.
English (United States)
English (United Kingdom)
English (India)
English (Australia)
English (Canada)
English (Denmark)
English (Ireland)
English (New Zealand)
English (Nigeria)
English (Hong Kong SAR China)
English (Philippines)
English (Singapore)
English (South Africa)
English (Zambia)
English (Zimbabwe)
English (Botswana)
English (Antigua & Barbuda)
fedora WORKSTATION
Quit
Continue

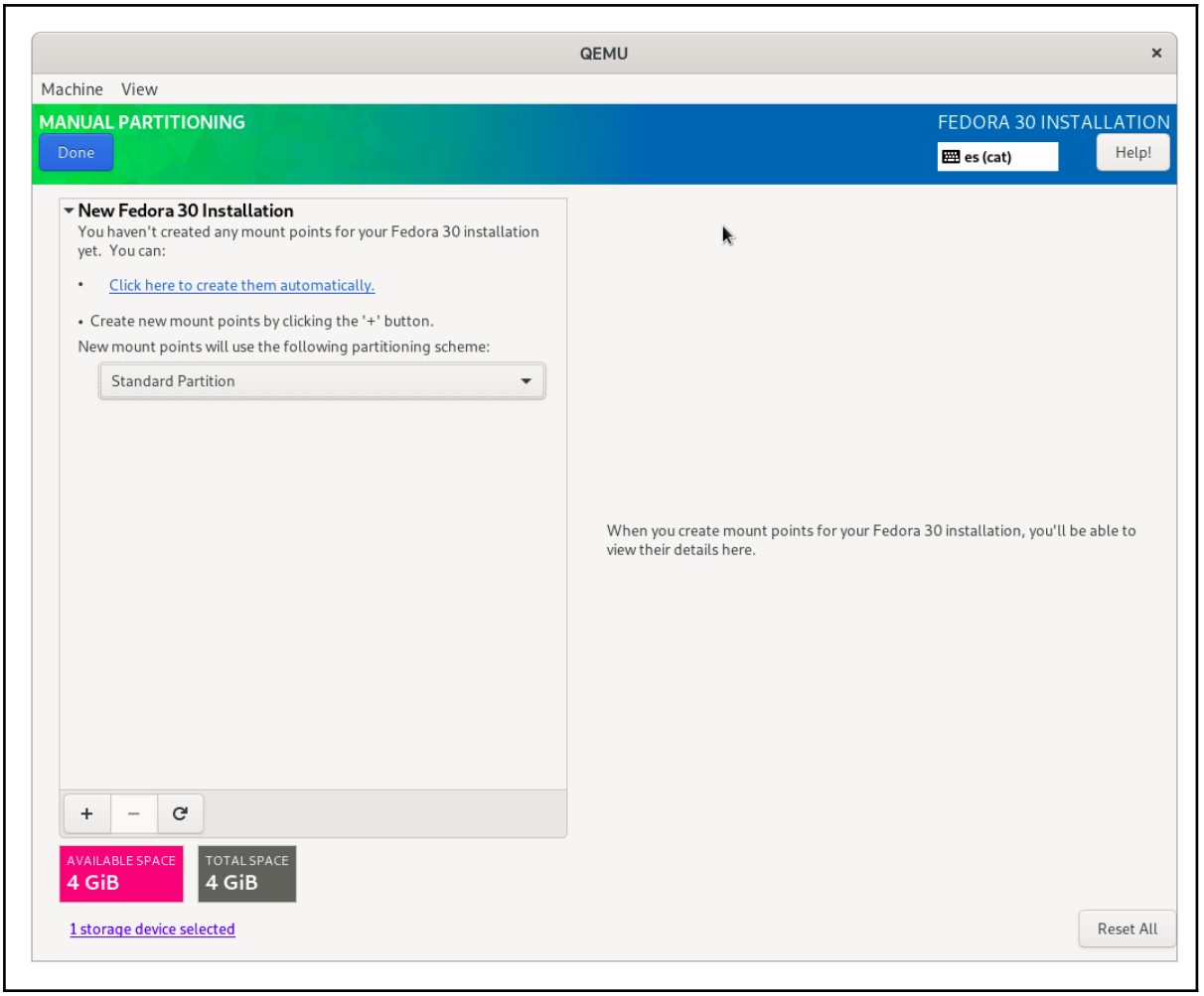

QEMU
Machine View
INSTALLATION SUMMARY
FEDORA 30 INSTALLATION
us
Help!
LOCALIZATION
SOFTWARE
SYSTEM
Keyboard
Getting list of layouts...
Installation Source
Downloading group metadata...
Installation Destination
Automatic partitioning selected
Language Support
English (United States)
Software Selection
Downloading group metadata...
Network & Host Name
Wired (ens3) connected
Time & Date
Europe/Madrid timezone
fedora
WORKSTATION
Quit
Begin Installation
We won't touch your disks until you click 'Begin Installation'.
Please complete items marked with this icon before continuing to the next step.

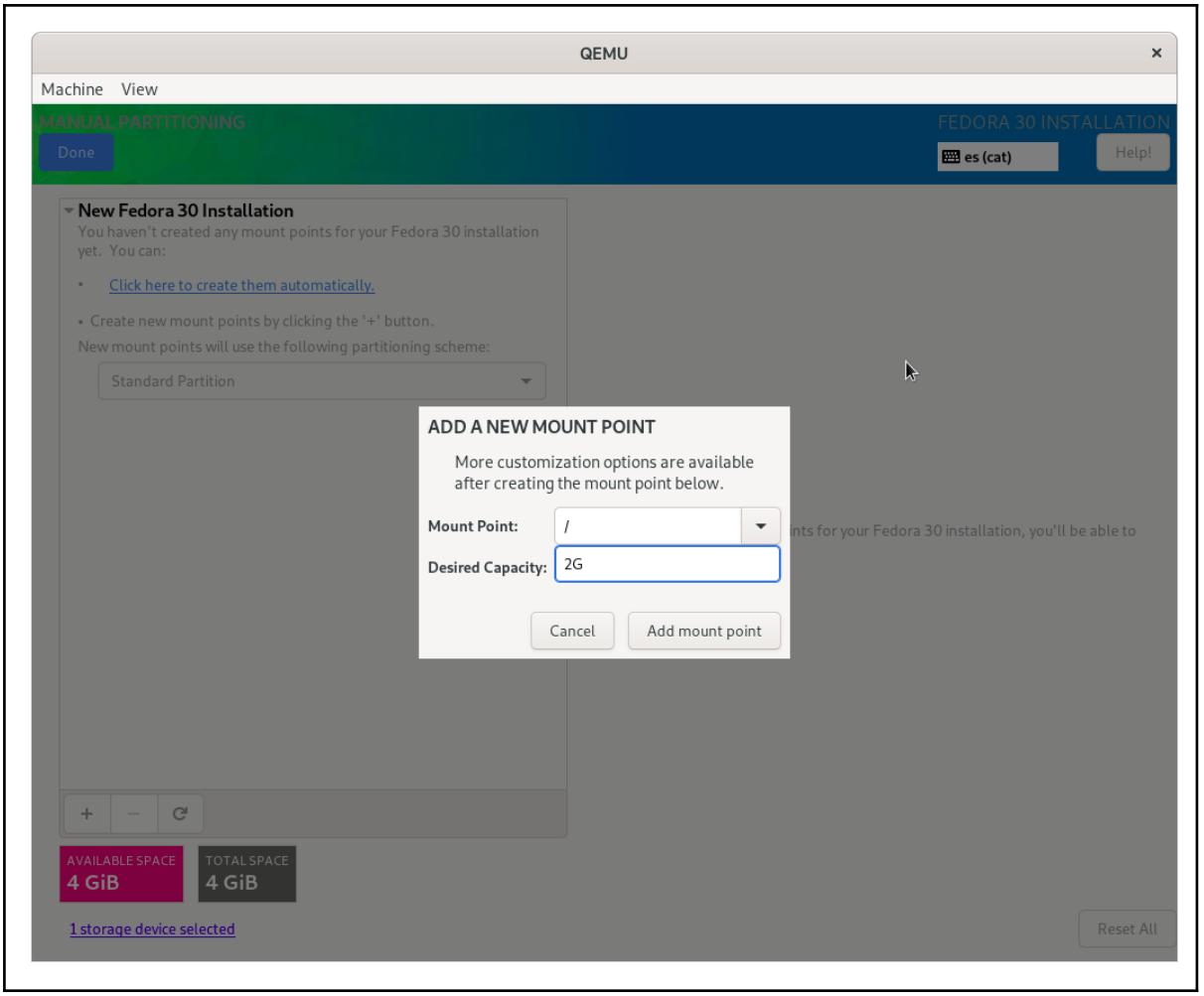

QEMU
Machine View
KEYBOARD LAYOUT
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
Which keyboard layouts would you like to use on this system? You may move any layout to the top of the list to select it as the default.
Catalan; Valencian (Catalan (Spain, with middle-dot L))
Test the layout configuration below:
Layout switching not configured.
Options

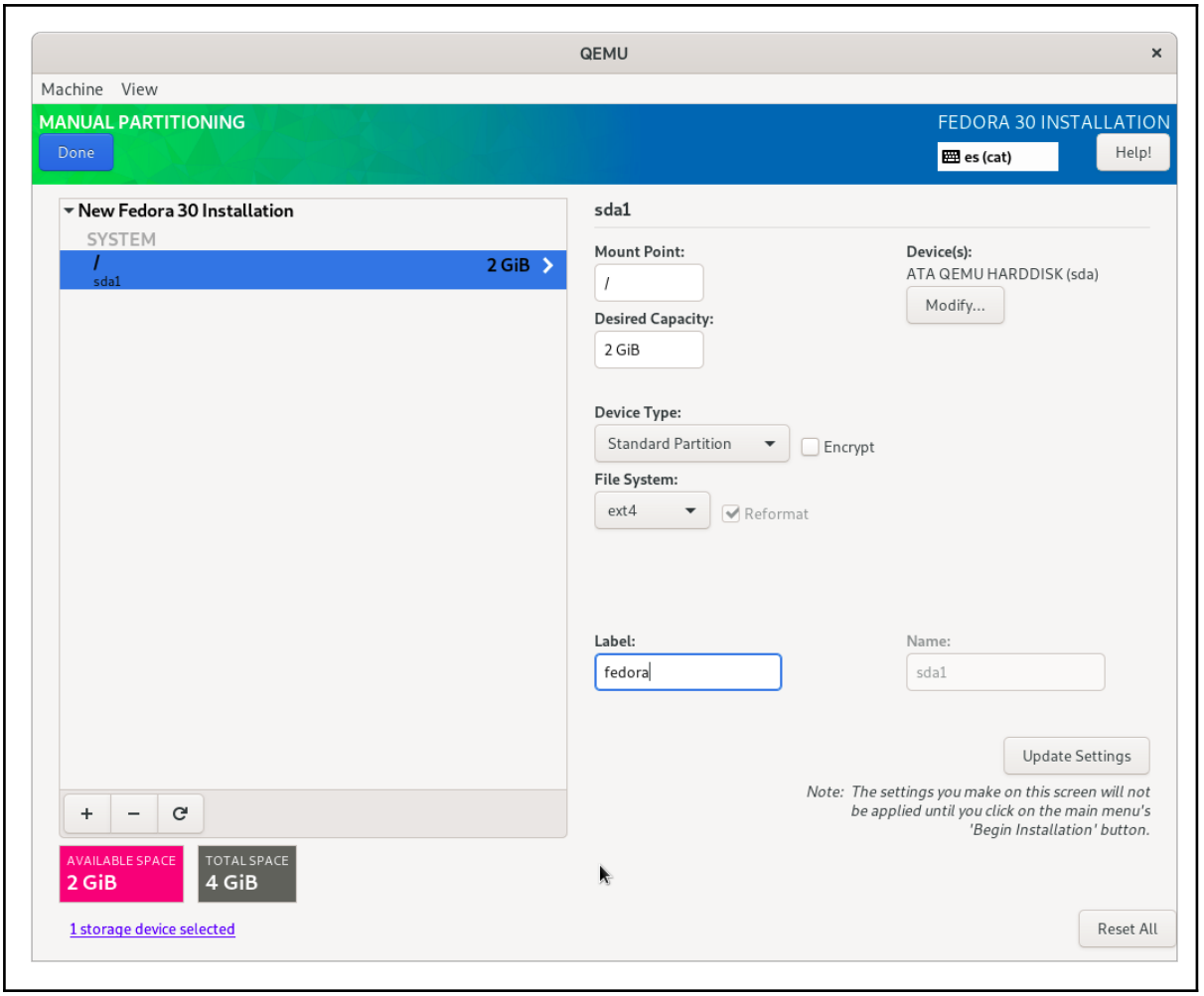

QEMU
Machine View
LANGUAGE SUPPORT
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
Select additional language support to be installed:
Bosanski Bosnian
Català Catalan
Čeština Czech
Cymraeg Welsh
Dansk Danish
Deutsch German
Ελληνικά Greek
English English
Esperanto Esperanto
Español Spanish
Eesti Estonian
Euskara Basque
فارسی Persian
Suomi Finnish
Filipino Filipino
Français French
Furlan Friulian
Gaeilge Irish
Type here to search.
Català (Espanya)
Català (Espanya)
Català (França)
Català (Andorra)
Català (Itàlia)

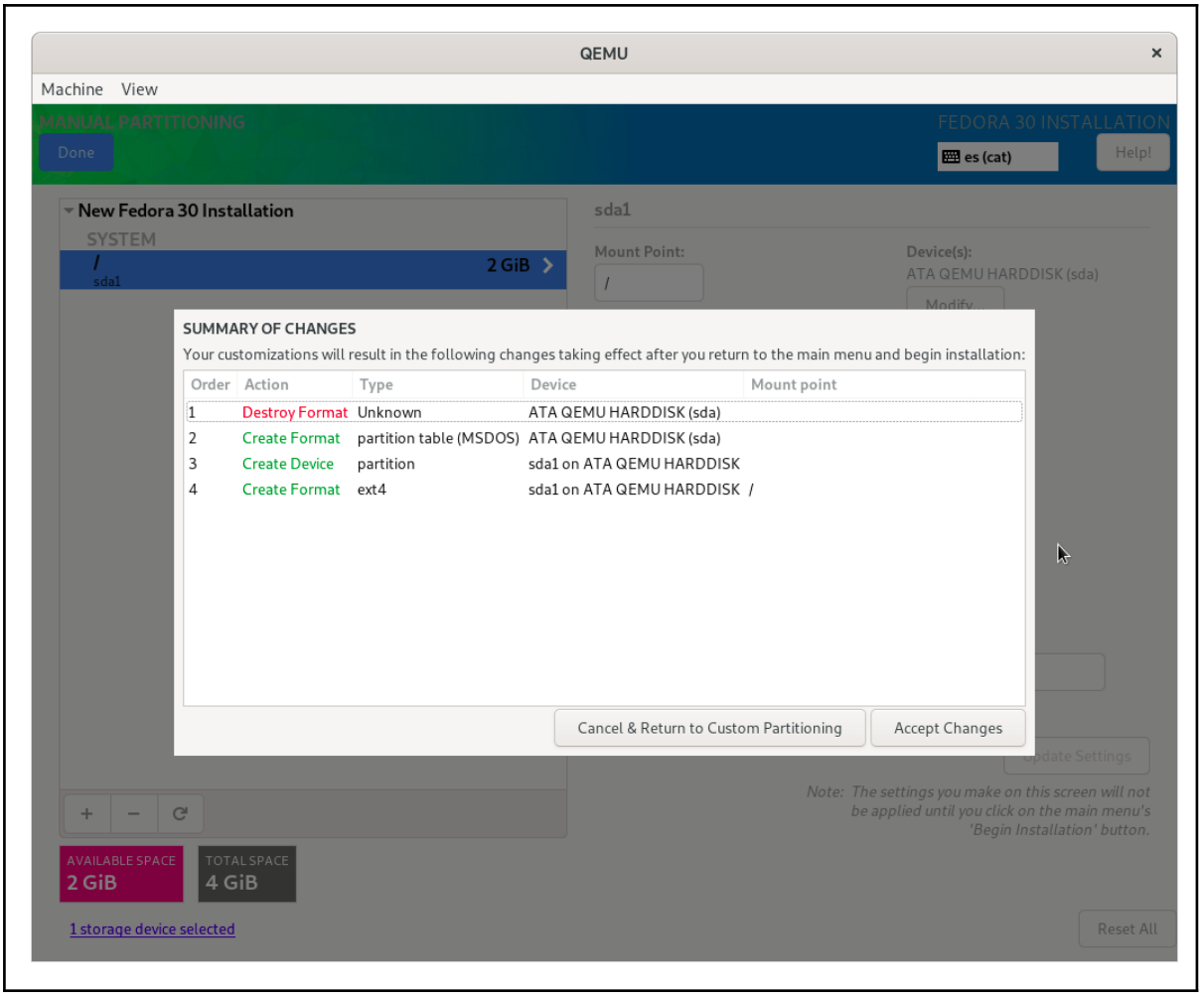

QEMU
Machine View
INSTALLATION DESTINATION
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
Device Selection
Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.
Local Standard Disks
4 GiB
ATA QEMU HARDDISK
sda / 4 GiB free
Disks left unselected here will not be touched.
Specialized & Network Disks
Add a disk...
Disks left unselected here will not be touched.
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...

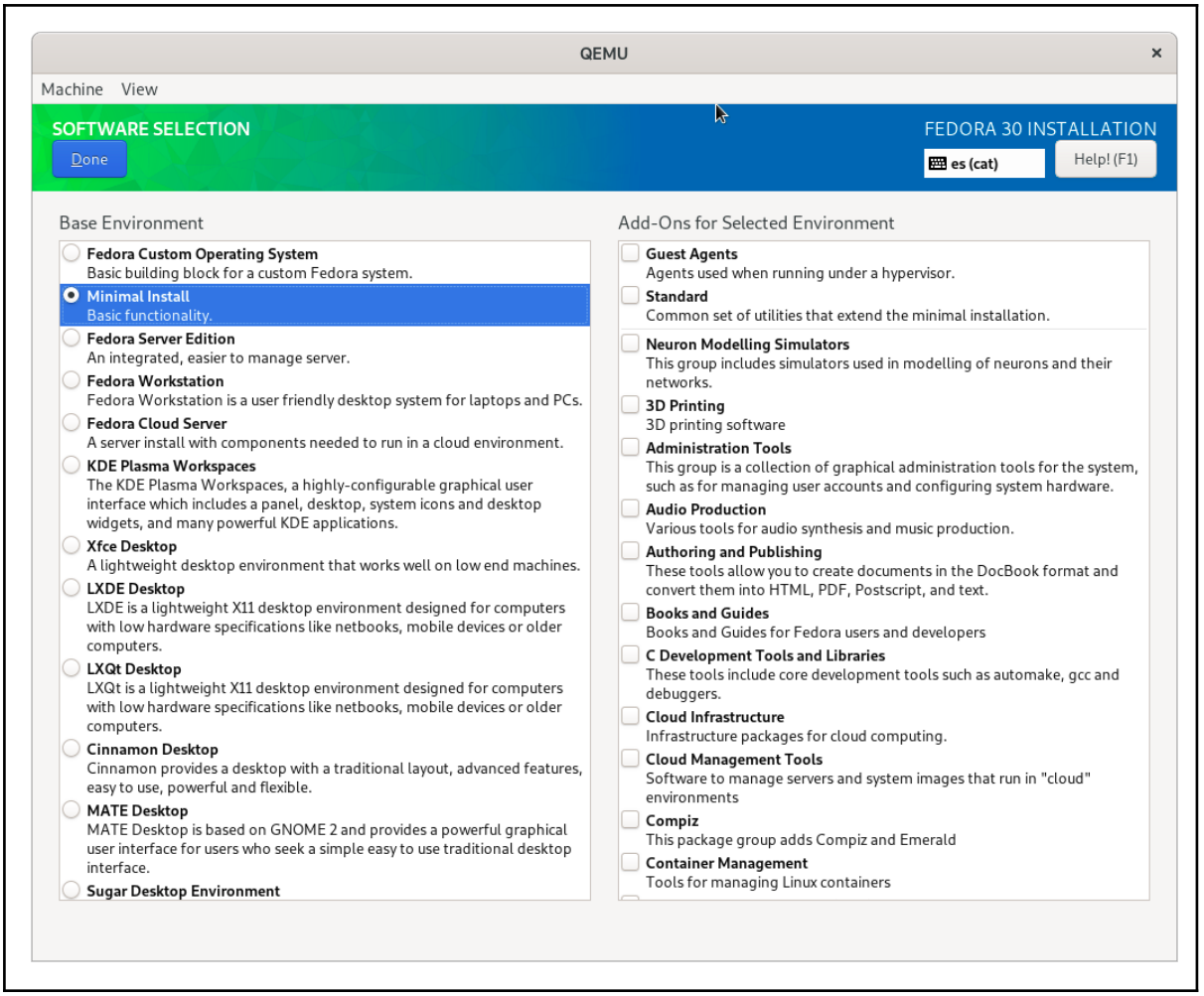

QEMU
Machine View
INSTALLATION DESTINATION
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
Device Selection
Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.
Local Standard Disks
4 GiB
ATA QEMU HARDDISK
sda / 4 GiB free
Disks left unselected here will not be touched.
Specialized & Network Disks
Add a disk...
Disks left unselected here will not be touched.
Storage Configuration
Automatic
Custom
Advanced Custom (Blivet-GUI)
Full disk summary and boot loader...
1 disk selected; 4 GiB capacity; 4 GiB free
Refresh...

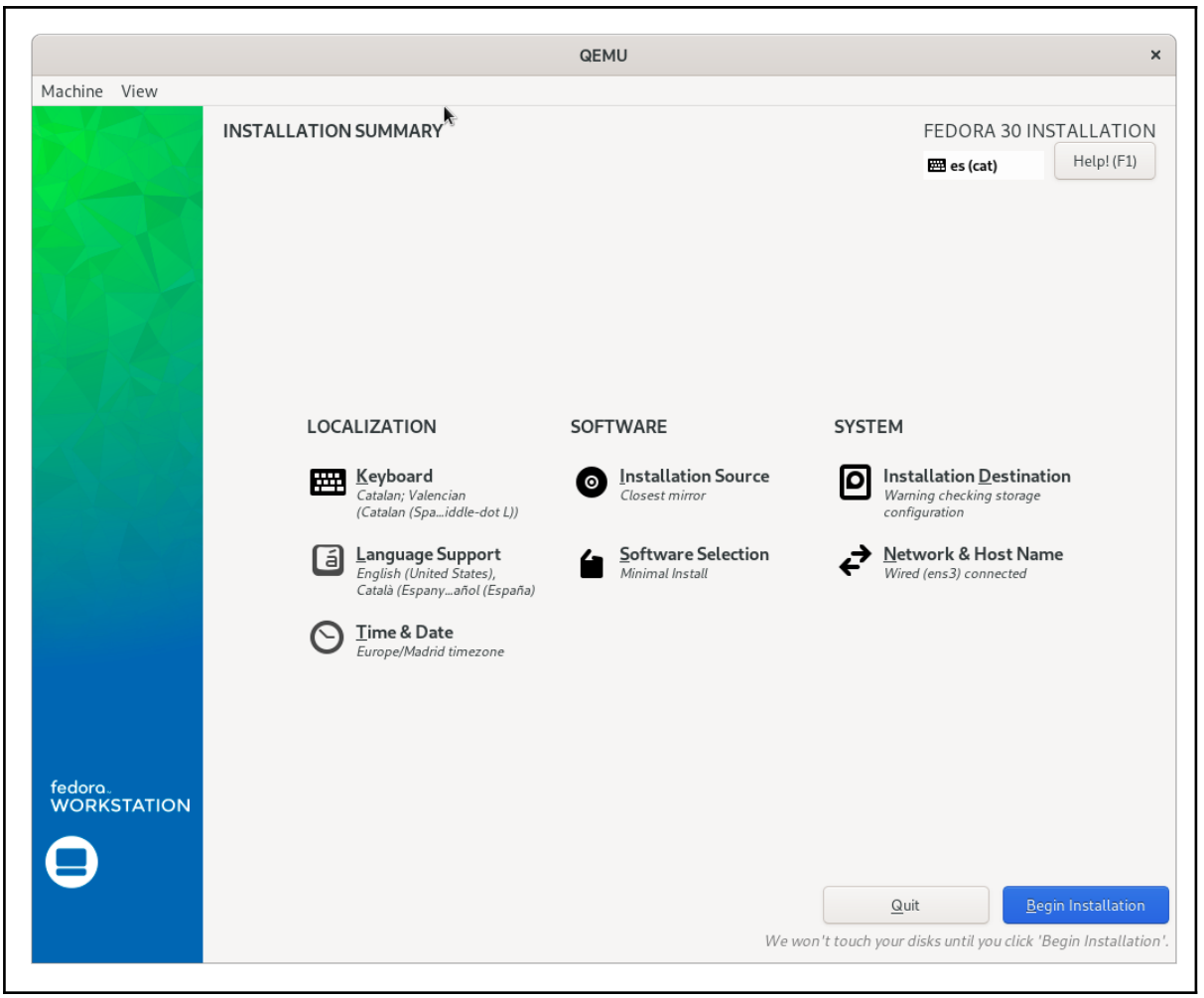

QEMU
Machine View
MANUAL PARTITIONING
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
New Fedora 30 Installation
You haven't created any mount points for your Fedora 30 installation yet. You can:
Click here to create them automatically.
Create new mount points by clicking the '+' button.
New mount points will use the following partitioning scheme:
Standard Partition
When you create mount points for your Fedora 30 installation, you'll be able to view their details here.
AVAILABLE SPACE
4 GiB
TOTAL SPACE
4 GiB
1 storage device selected
Reset All

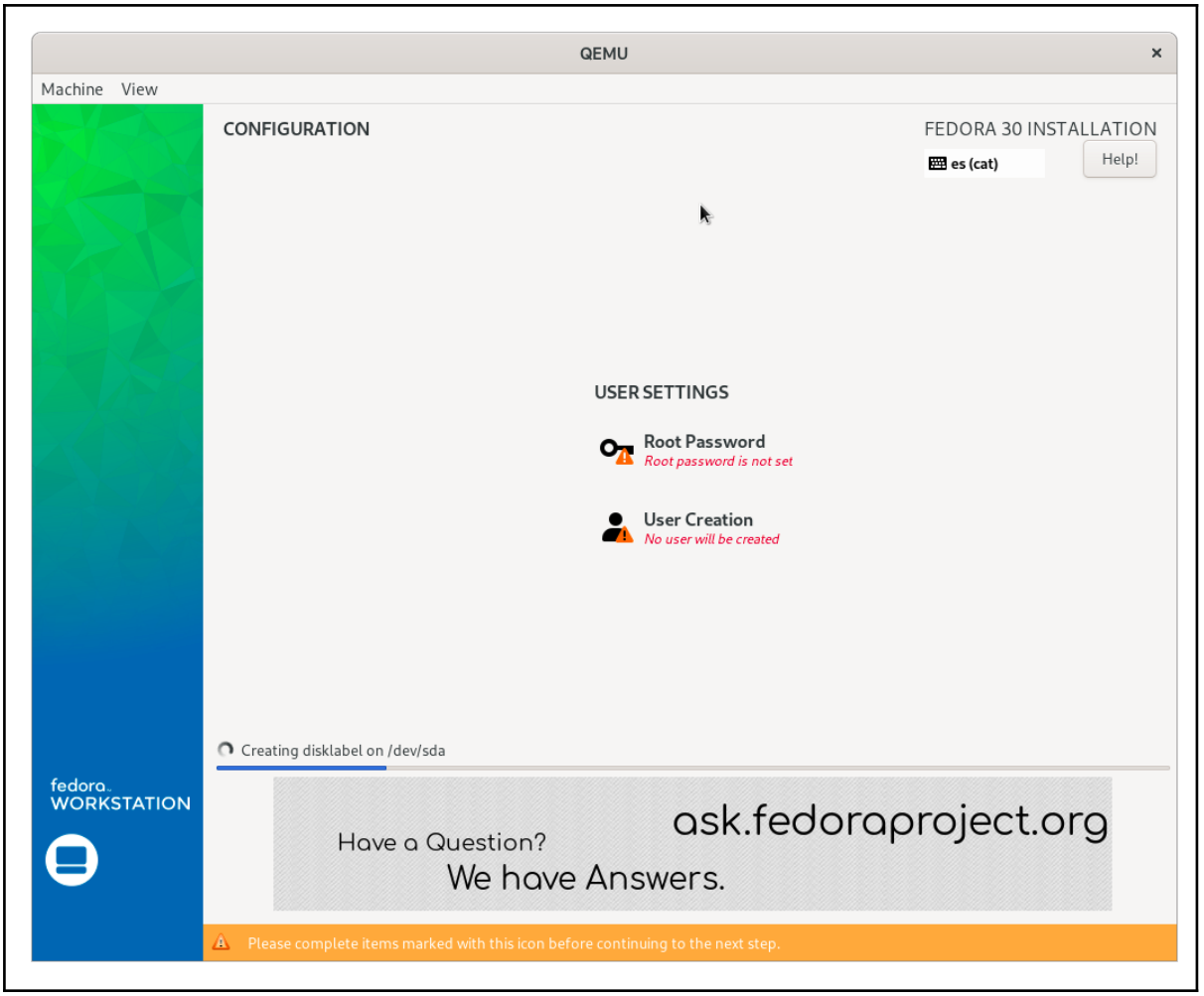

QEMU
Machine View
MANUAL PARTITIONING
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
New Fedora 30 Installation
You haven't created any mount points for your Fedora 30 installation yet. You can:
Click here to create them automatically.
Create new mount points by clicking the '+' button.
New mount points will use the following partitioning scheme:
Standard Partition
ADD A NEW MOUNT POINT
More customization options are available after creating the mount point below.
Mount Point: /
Desired Capacity: 2G
Cancel
Add mount point
ints for your Fedora 30 installation, you'll be able to
AVAILABLE SPACE
4 GiB
TOTAL SPACE
4 GiB
1 storage device selected
Reset All

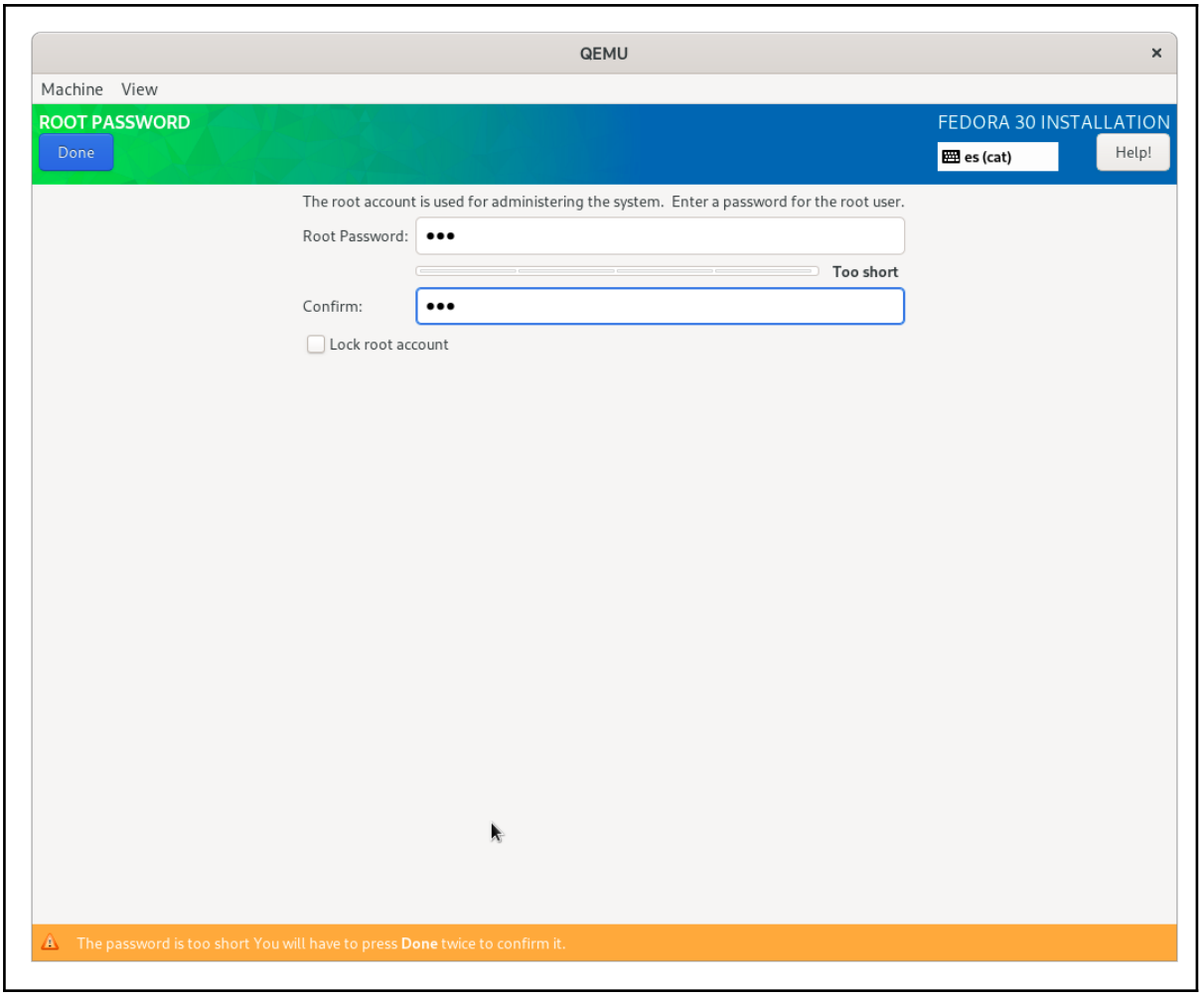

QEMU
Machine View
MANUAL PARTITIONING
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
New Fedora 30 Installation
SYSTEM
/
sda1
2 GiB
sda1
Mount Point:
/
Desired Capacity:
2 GiB
Device(s):
ATA QEMU HARDDISK (sda)
Modify...
Device Type:
Standard Partition
Encrypt
File System:
ext4
Reformat
Label:
fedora
Name:
sda1
Update Settings
Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.
AVAILABLE SPACE
2 GiB
TOTAL SPACE
4 GiB
1 storage device selected
Reset All

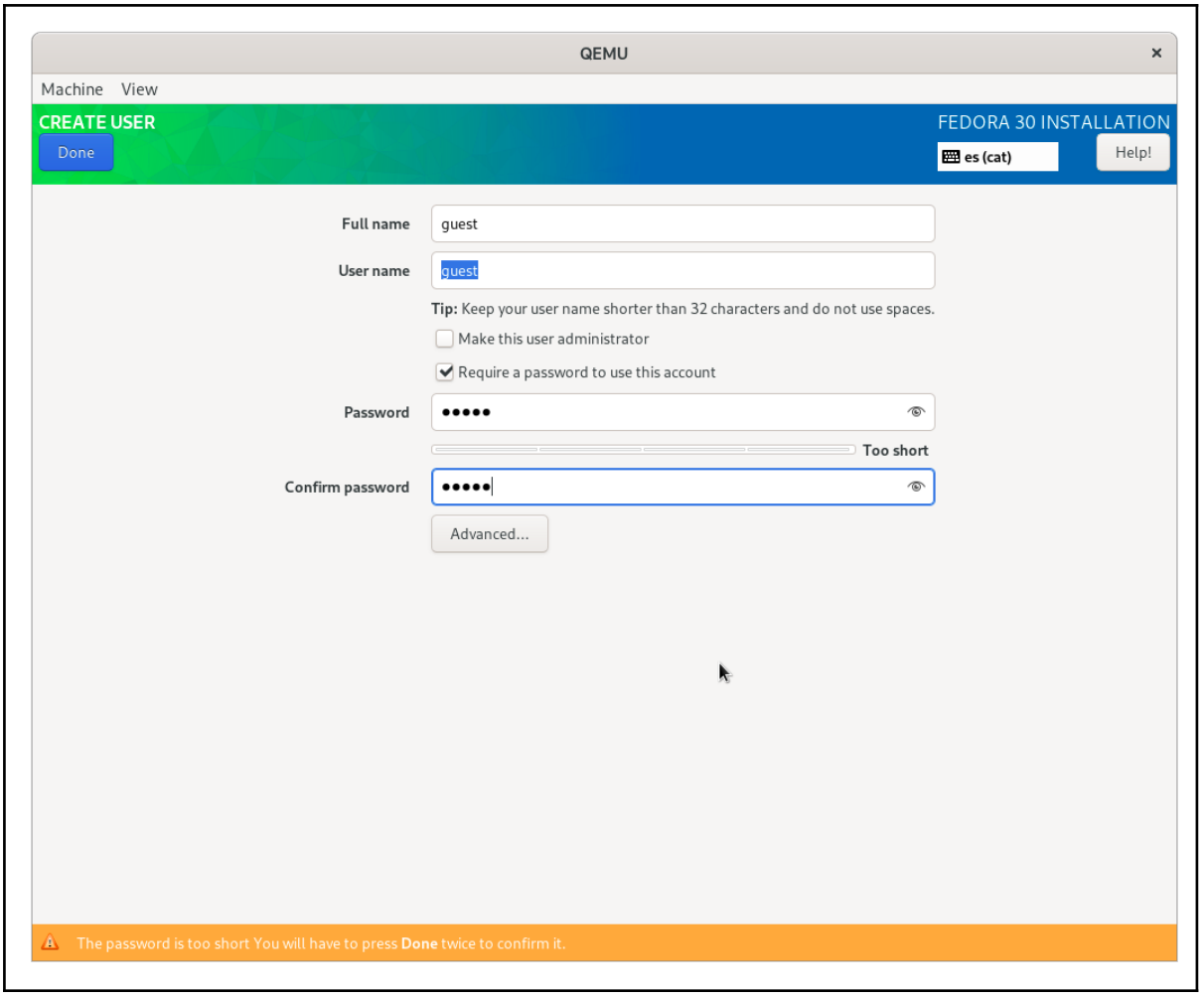

QEMU
Machine View
MANUAL PARTITIONING
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
New Fedora 30 Installation
SYSTEM
/
sda1
2 GiB
sda1
Mount Point:
/
Device(s):
ATA QEMU HARDDISK (sda)
Modify...
SUMMARY OF CHANGES
Your customizations will result in the following changes taking effect after you return to the main menu and begin installation:
Order Action Type Device Mount point
1 Destroy Format Unknown ATA QEMU HARDDISK (sda)
2 Create Format partition table (MSDOS) ATA QEMU HARDDISK (sda)
3 Create Device partition sda1 on ATA QEMU HARDDISK
4 Create Format ext4 sda1 on ATA QEMU HARDDISK /
Cancel & Return to Custom Partitioning
Accept Changes
Update Settings
Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.
AVAILABLE SPACE
2 GiB
TOTAL SPACE
4 GiB
1 storage device selected
Reset All

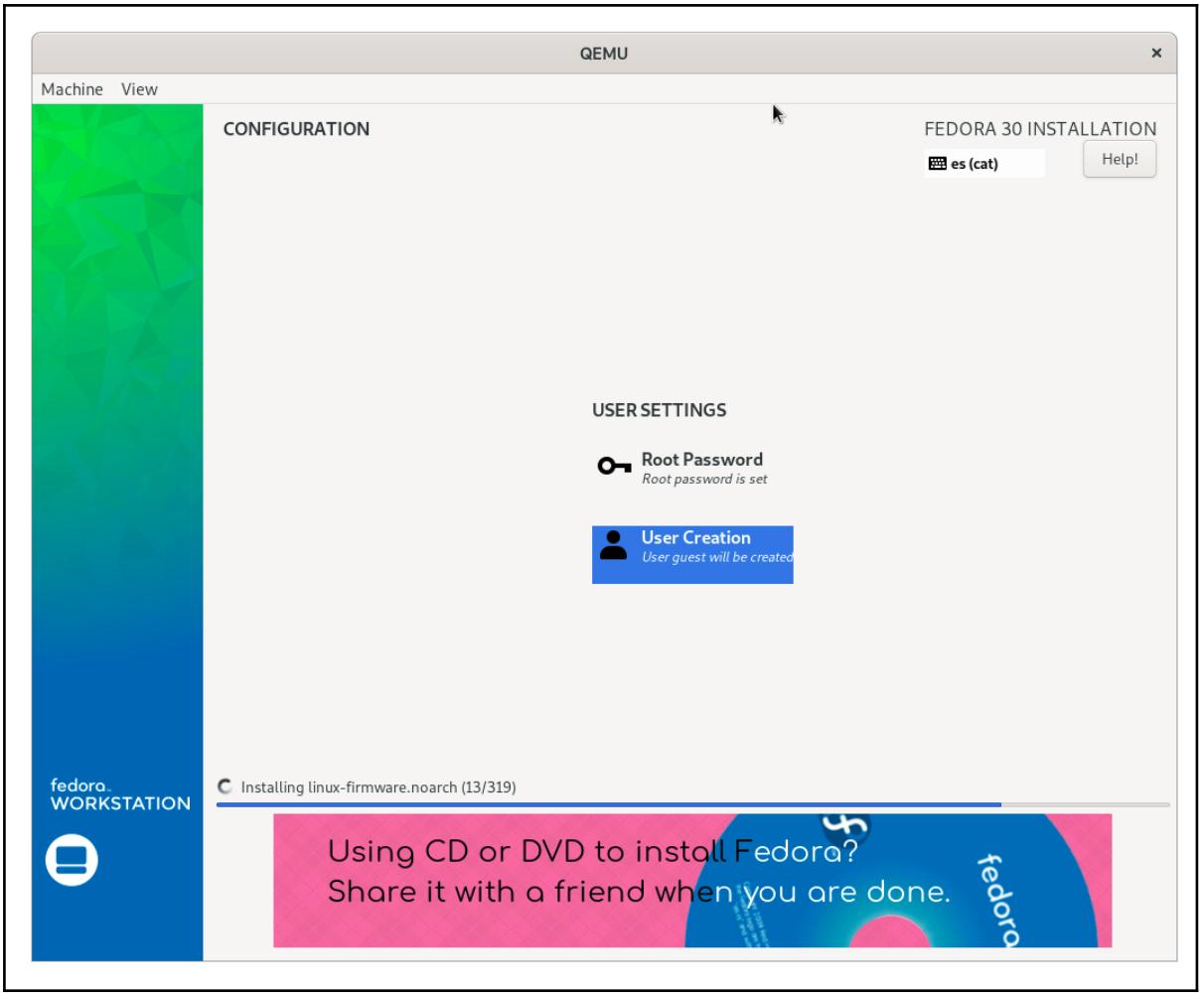

QEMU
Machine View
SOFTWARE SELECTION
Done
FEDORA 30 INSTALLATION
es (cat)
Help! (F1)
Base Environment
Fedora Custom Operating System
Basic building block for a custom Fedora system.
Minimal Install
Basic functionality.
Fedora Server Edition
An integrated, easier to manage server.
Fedora Workstation
Fedora Workstation is a user friendly desktop system for laptops and PCs.
Fedora Cloud Server
A server install with components needed to run in a cloud environment.
KDE Plasma Workspaces
The KDE Plasma Workspaces, a highly-configurable graphical user interface which includes a panel, desktop, system icons and desktop widgets, and many powerful KDE applications.
Xfce Desktop
A lightweight desktop environment that works well on low end machines.
LXDE Desktop
LXDE is a lightweight X11 desktop environment designed for computers with low hardware specifications like netbooks, mobile devices or older computers.
LXQt Desktop
LXQt is a lightweight X11 desktop environment designed for computers with low hardware specifications like netbooks, mobile devices or older computers.
Cinnamon Desktop
Cinnamon provides a desktop with a traditional layout, advanced features, easy to use, powerful and flexible.
MATE Desktop
MATE Desktop is based on GNOME 2 and provides a powerful graphical user interface for users who seek a simple easy to use traditional desktop interface.
Sugar Desktop Environment
Add-Ons for Selected Environment
Guest Agents
Agents used when running under a hypervisor.
Standard
Common set of utilities that extend the minimal installation.
Neuron Modelling Simulators
This group includes simulators used in modelling of neurons and their networks.
3D Printing
3D printing software
Administration Tools
This group is a collection of graphical administration tools for the system, such as for managing user accounts and configuring system hardware.
Audio Production
Various tools for audio synthesis and music production.
Authoring and Publishing
These tools allow you to create documents in the DocBook format and convert them into HTML, PDF, Postscript, and text.
Books and Guides
Books and Guides for Fedora users and developers
C Development Tools and Libraries
These tools include core development tools such as automake, gcc and debuggers.
Cloud Infrastructure
Infrastructure packages for cloud computing.
Cloud Management Tools
Software to manage servers and system images that run in "cloud" environments
Compiz
This package group adds Compiz and Emerald
Container Management
Tools for managing Linux containers

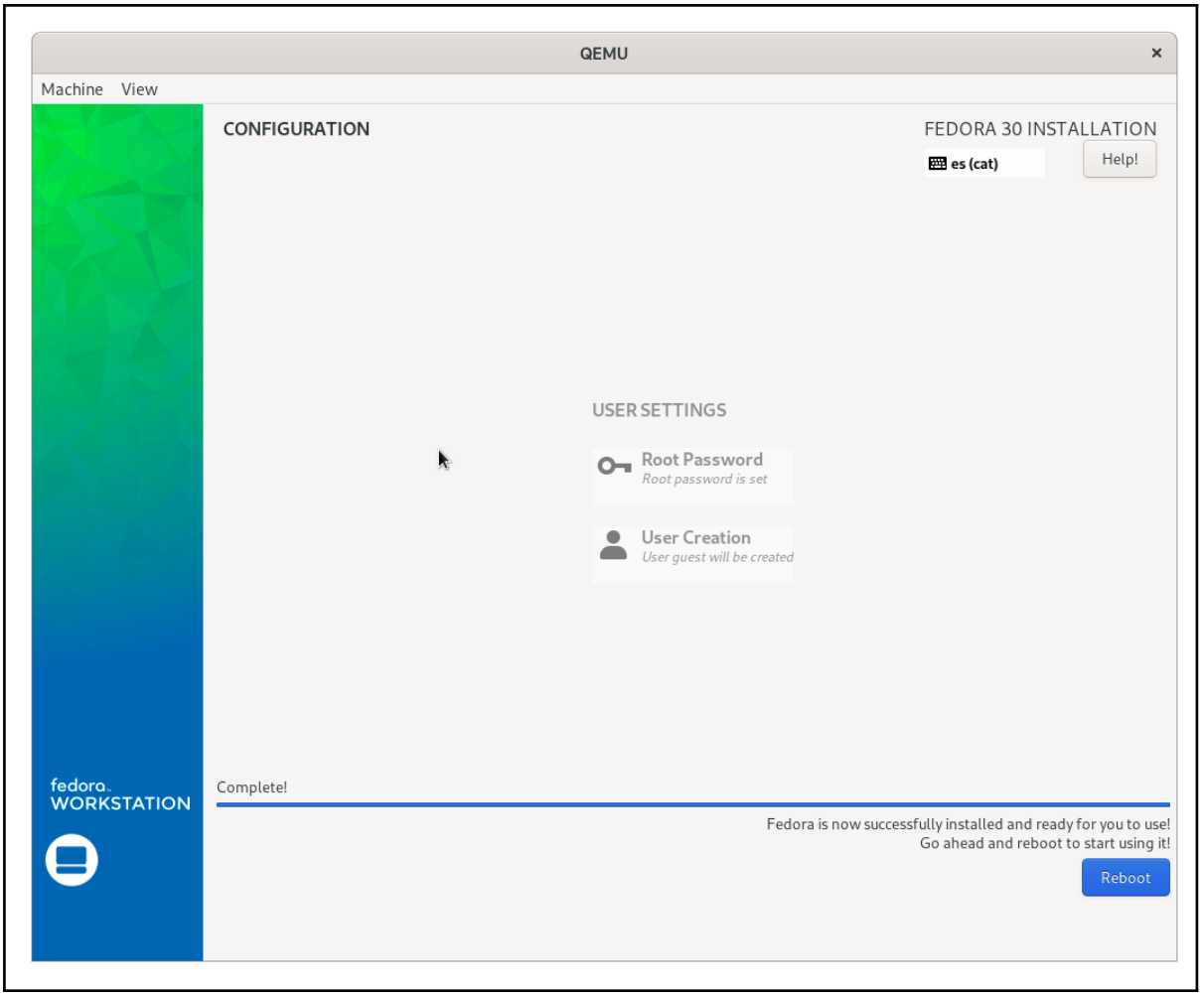

QEMU
Machine View
INSTALLATION SUMMARY
FEDORA 30 INSTALLATION
es (cat)
Help! (F1)
LOCALIZATION
Keyboard
Catalan; Valencian
(Catalan (Spa...iddle-dot L))
Language Support
English (United States),
Català (Espany...añol (España)
Time & Date
Europe/Madrid timezone
SOFTWARE
Installation Source
Closest mirror
Software Selection
Minimal Install
SYSTEM
Installation Destination
Warning checking storage configuration
Network & Host Name
Wired (ens3) connected
fedora
WORKSTATION
Quit
Begin Installation
We won't touch your disks until you click 'Begin Installation'.

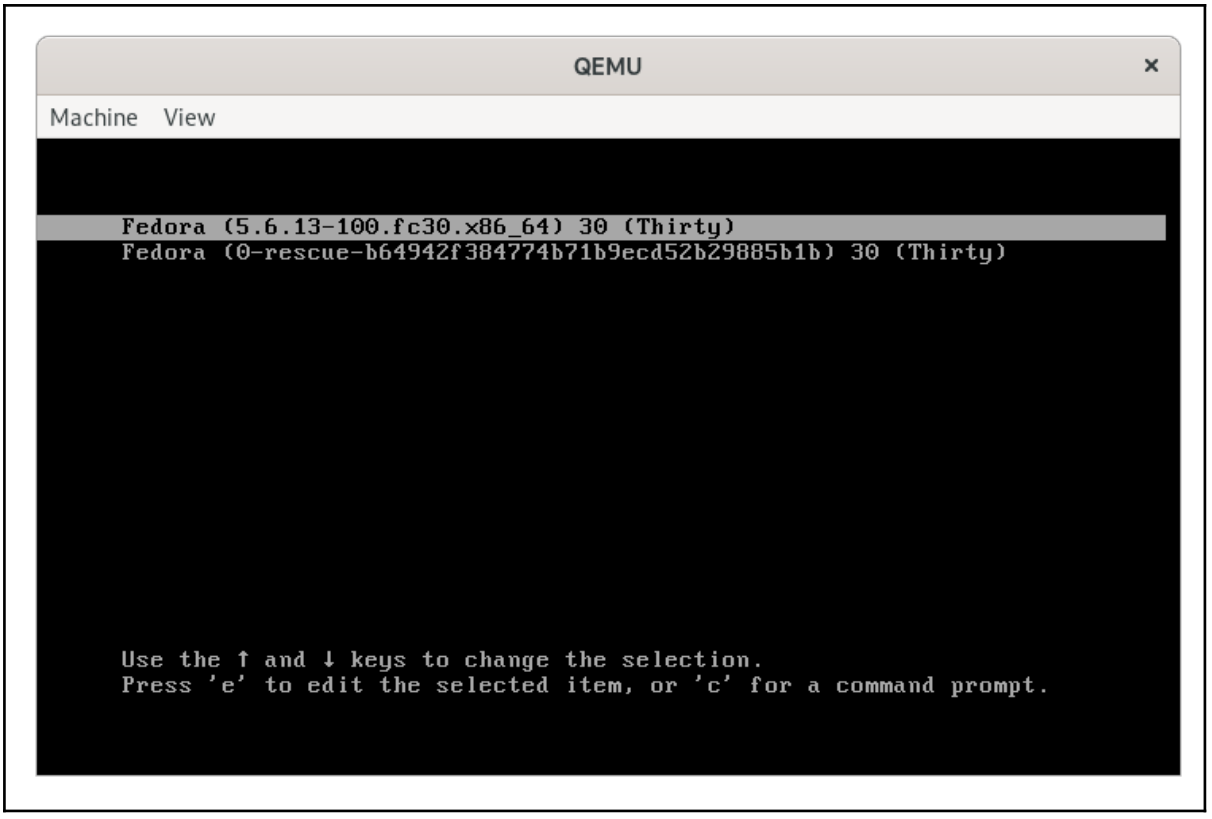

QEMU
Machine View
CONFIGURATION
FEDORA 30 INSTALLATION
es (cat)
Help!
USER SETTINGS
Root Password
Root password is not set
User Creation
No user will be created
Creating disklabel on /dev/sda
fedora WORKSTATION
Have a Question?
We have Answers.
ask.fedoraproject.org
Please complete items marked with this icon before continuing to the next step.

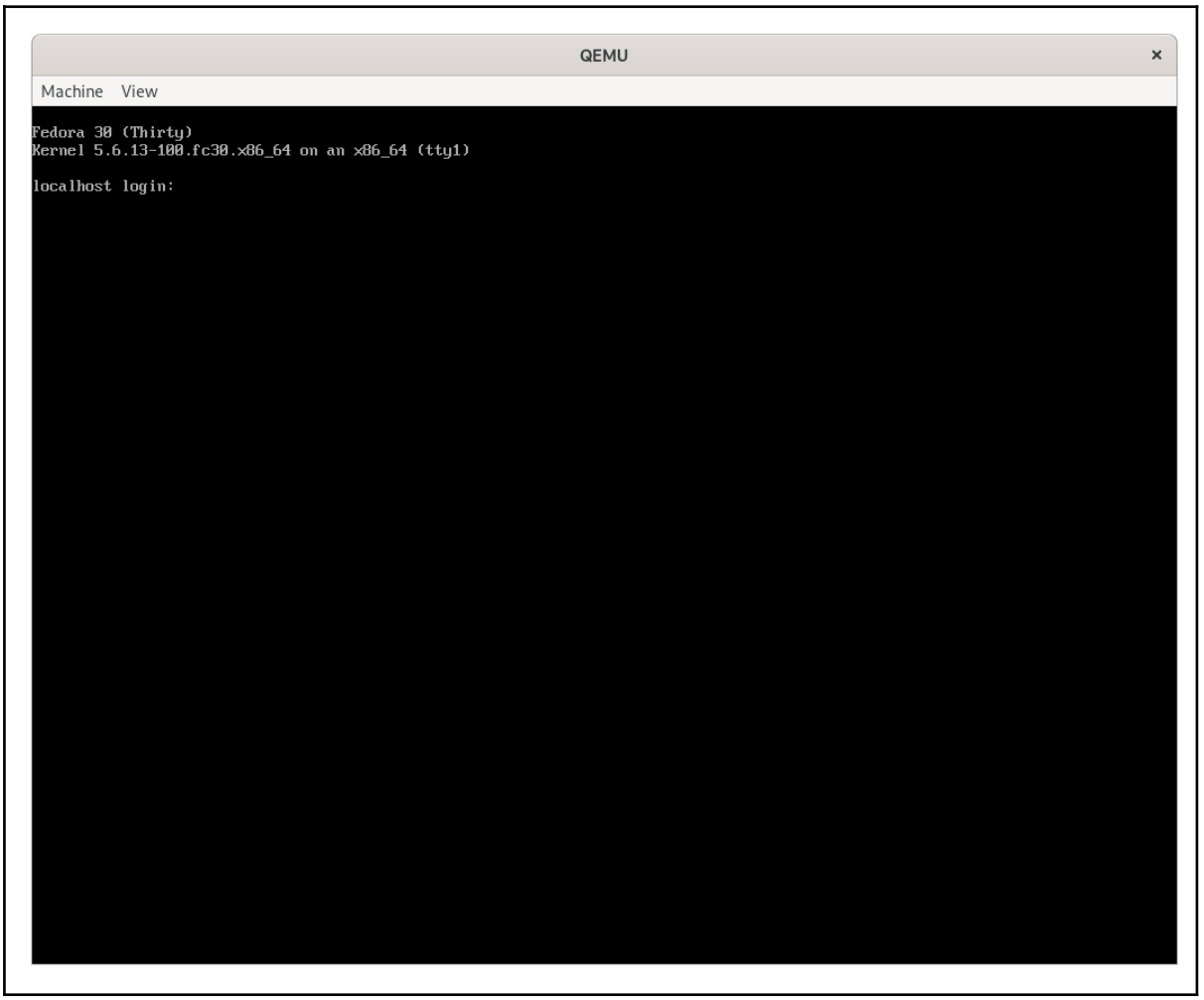

QEMU
Machine View
ROOT PASSWORD
Done
FEDORA 30 INSTALLATION
es (cat)
Help!
The root account is used for administering the system. Enter a password for the root user.
Root Password:
Too short
Confirm:
Lock root account
The password is too short You will have to press Done twice to confirm it.


QEMU
Machine View
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.


QEMU
Machine View
CONFIGURATION
FEDORA 30 INSTALLATION
es (cat)
Help!
USER SETTINGS
Root Password
Root password is set
User Creation
User guest will be created
fedora
WORKSTATION
Installing linux-firmware.noarch (13/319)
Using CD or DVD to install Fedora?
Share it with a friend when you are done.
fedora

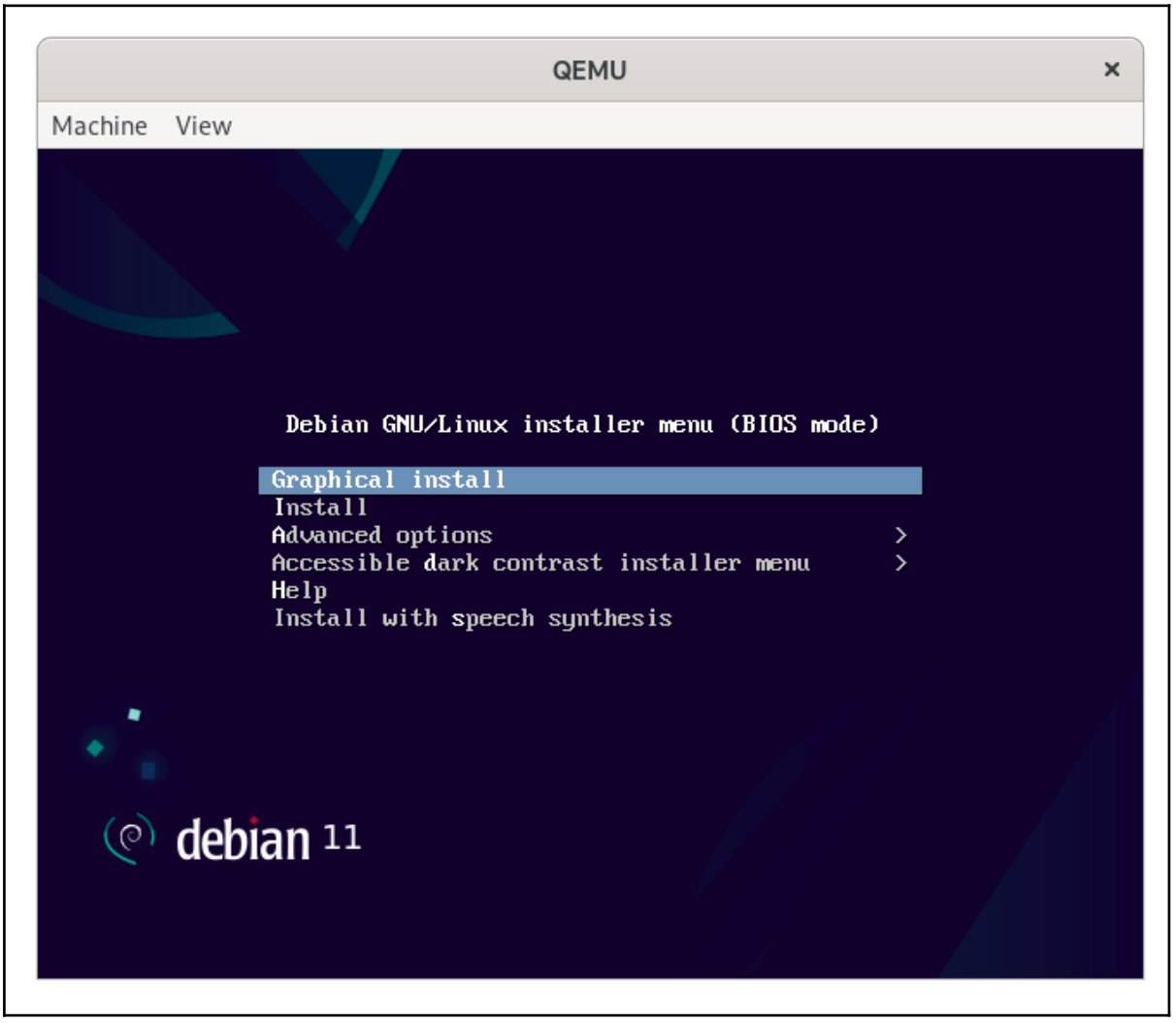

QEMU
Machine View
CONFIGURATION
FEDORA 30 INSTALLATION
es (cat)
Help!
USER SETTINGS
Root Password
Root password is set
User Creation
User guest will be created
fedora
WORKSTATION
Complete!
Fedora is now successfully installed and ready for you to use!
Go ahead and reboot to start using it!
Reboot

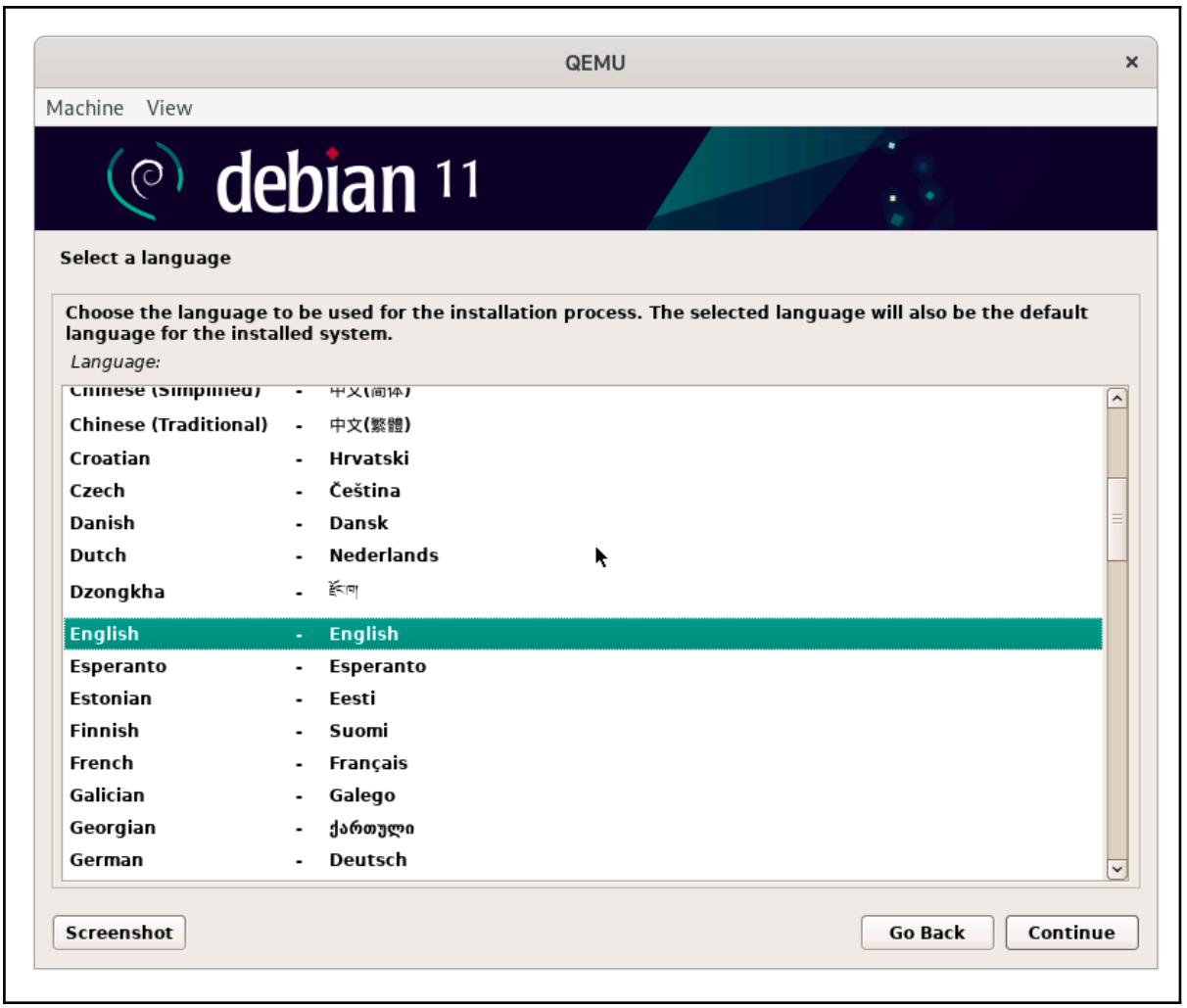

QEMU
Machine View
Fedora (5.6.13-100.fc30.x86_64) 30 (Thirty)
Fedora (0-rescue-b64942f384774b71b9ecd52b29885b1b) 30 (Thirty)
Use the ↑ and ↓ keys to change the selection.
Press 'e' to edit the selected item, or 'c' for a command prompt.


QEMU
Machine View
Fedora 30 (Thirty)
Kernel 5.6.13-100.fc30.x86_64 on an x86_64 (tty1)
localhost login:

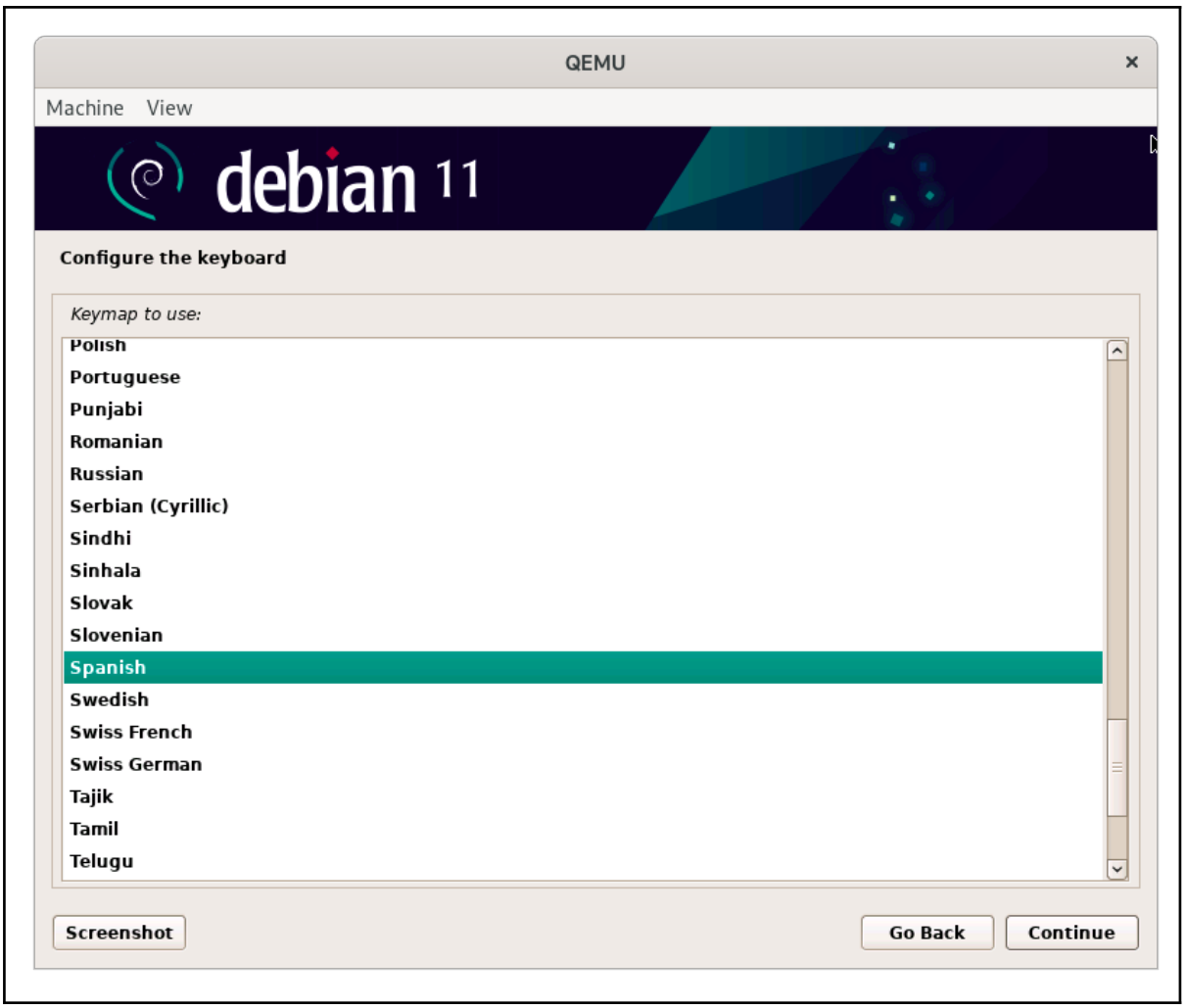
Debian Install

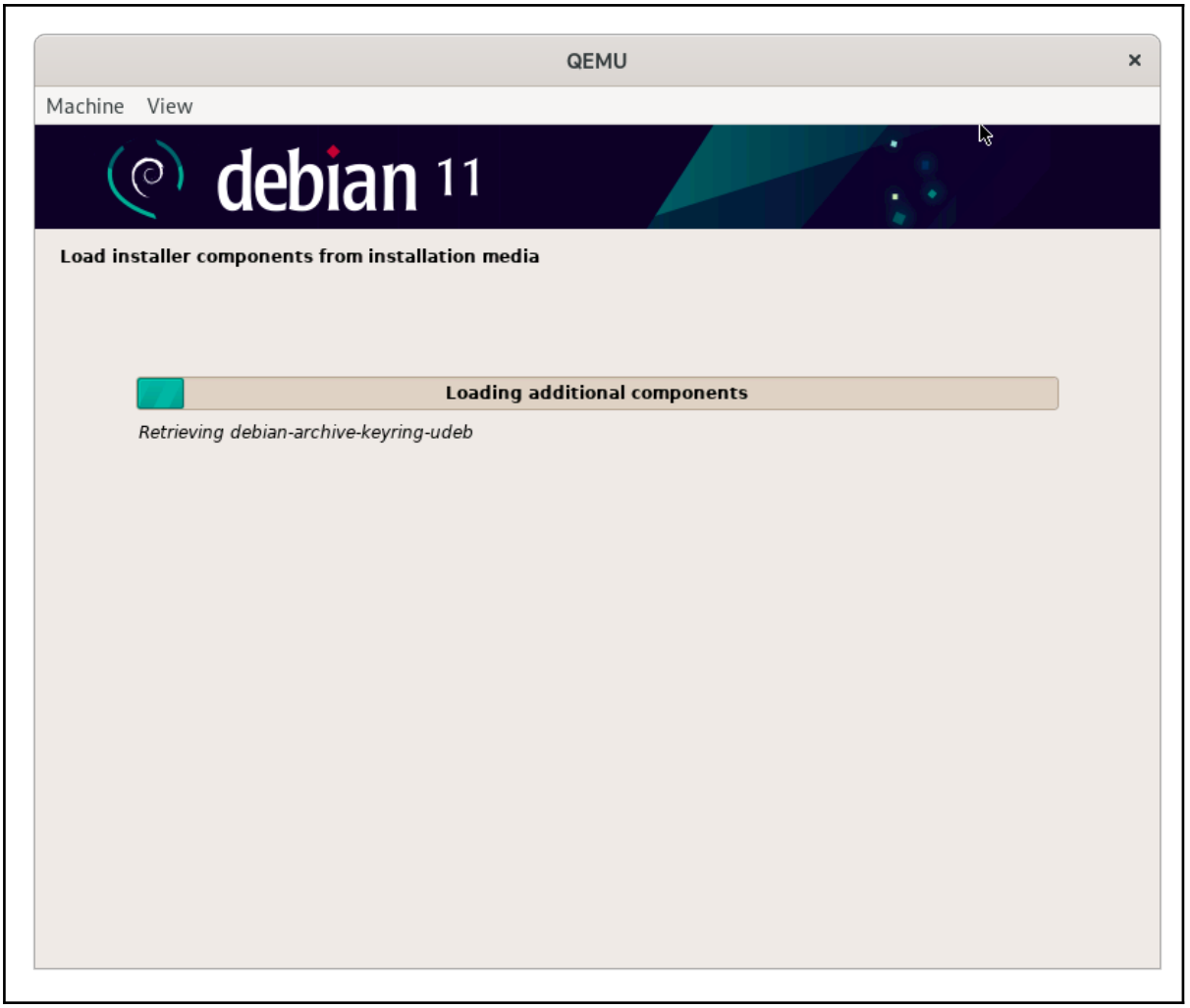
```
$ qemu-system-x86_64 -m 4096 -hda disk.img -cdrom ../debian-11.1.0-amd64-netinst.iso -boot
once=d
```




QEMU
Machine View
debian 11
Select a language
Choose the language to be used for the installation process. The selected language will also be the default language for the installed system.
Language:
Chinese (Simplified) - 中文(简体)
Chinese (Traditional) - 中文(繁體)
Croatian - Hrvatski
Czech - Čeština
Danish - Dansk
Dutch - Nederlands
Dzongkha - རྫོང་ཁ
English - English
Esperanto - Esperanto
Estonian - Eesti
Finnish - Suomi
French - Français
Galician - Galego
Georgian - ქართული
German - Deutsch
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Select your location
The selected location will be used to set your time zone and also for example to help select the system locale. Normally this should be the country where you live.
This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed.
Country, territory or area:
India
Ireland
Israel
New Zealand
Nigeria
Philippines
Seychelles
Singapore
South Africa
United Kingdom
United States
Zambia
Zimbabwe
other
Screenshot
Go Back
Continue


QEMU
Machine View
debian 11
Configure the keyboard
Keymap to use:
Polish
Portuguese
Punjabi
Romanian
Russian
Serbian (Cyrillic)
Sindhi
Sinhala
Slovak
Slovenian
Spanish
Swedish
Swiss French
Swiss German
Tajik
Tamil
Telugu
Screenshot
Go Back
Continue

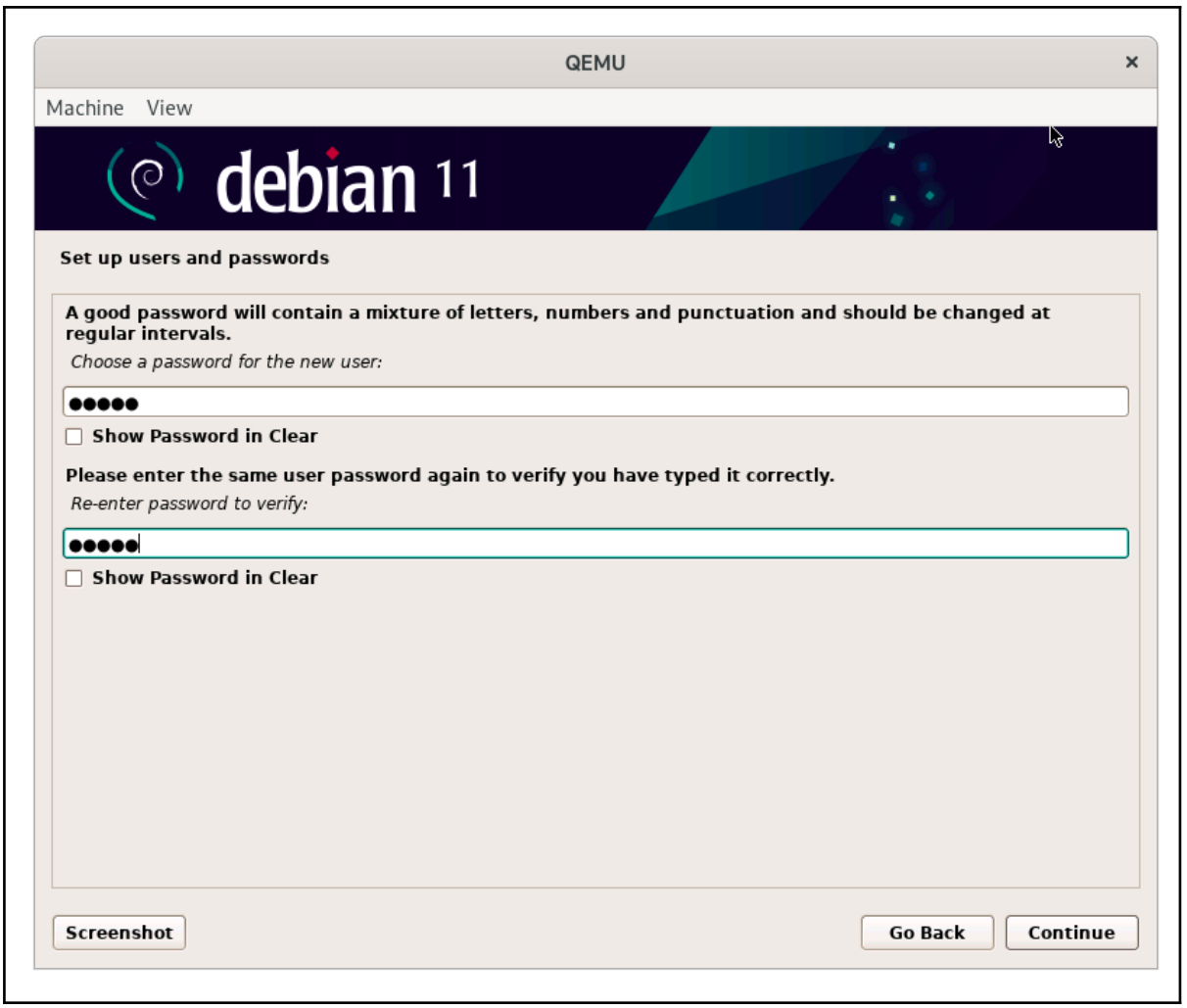

QEMU
Machine View
debian 11
Load installer components from installation media
Loading additional components
Retrieving debian-archive-keyring-udeb

QEMU
Machine View
debian 11
Configure the network
Please enter the hostname for this system.
The hostname is a single word that identifies your system to the network. If you don't know what your hostname should be, consult your network administrator. If you are setting up your own home network, you can make something up here.
Hostname:
debian
Screenshot
Go Back
Continue

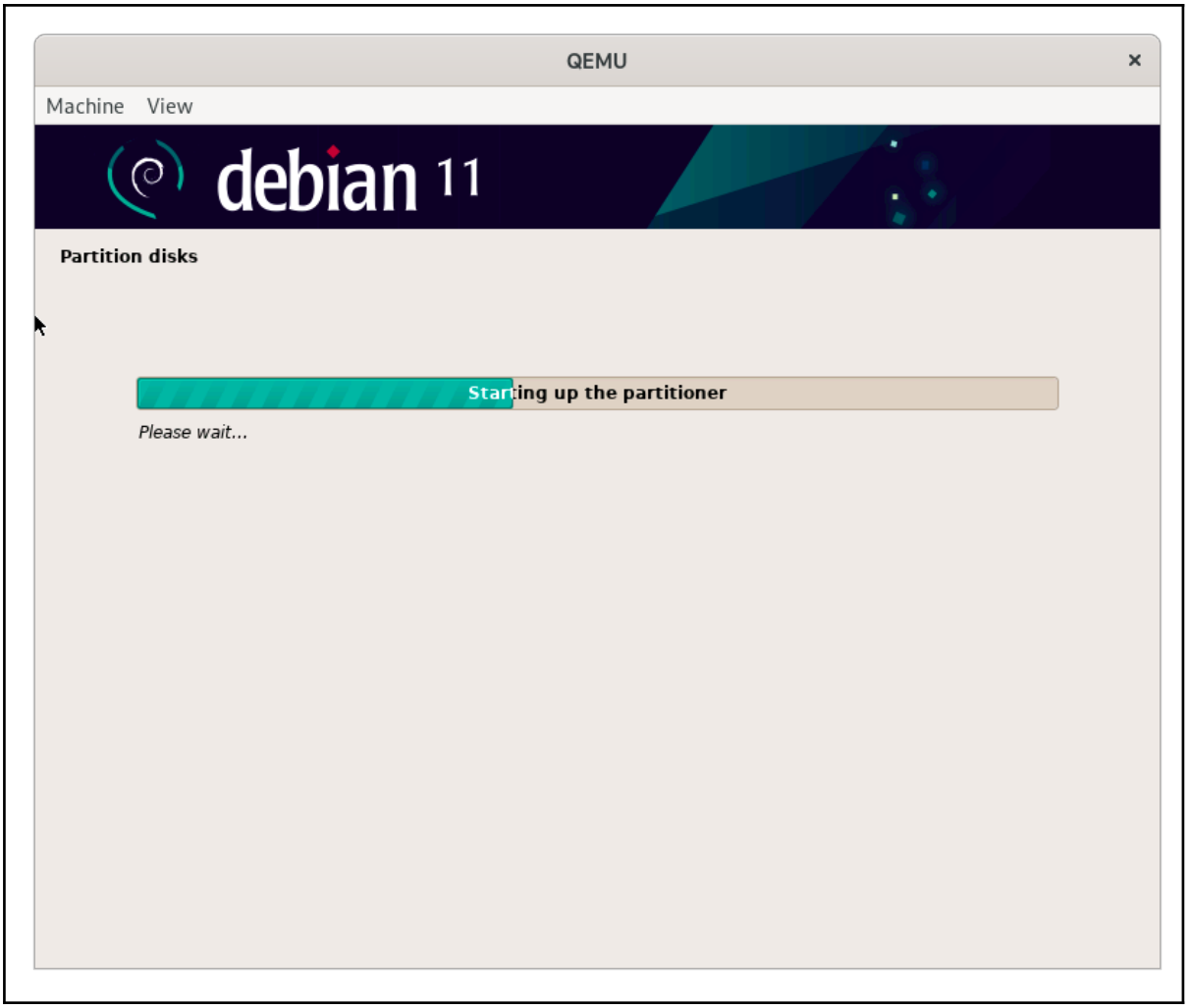
QEMU
Machine View
debian 11
Configure the network
The domain name is the part of your Internet address to the right of your host name. It is often something that ends in .com, .net, .edu, or .org. If you are setting up a home network, you can make something up, but make sure you use the same domain name on all your computers.
Domain name:
Screenshot
Go Back
Continue

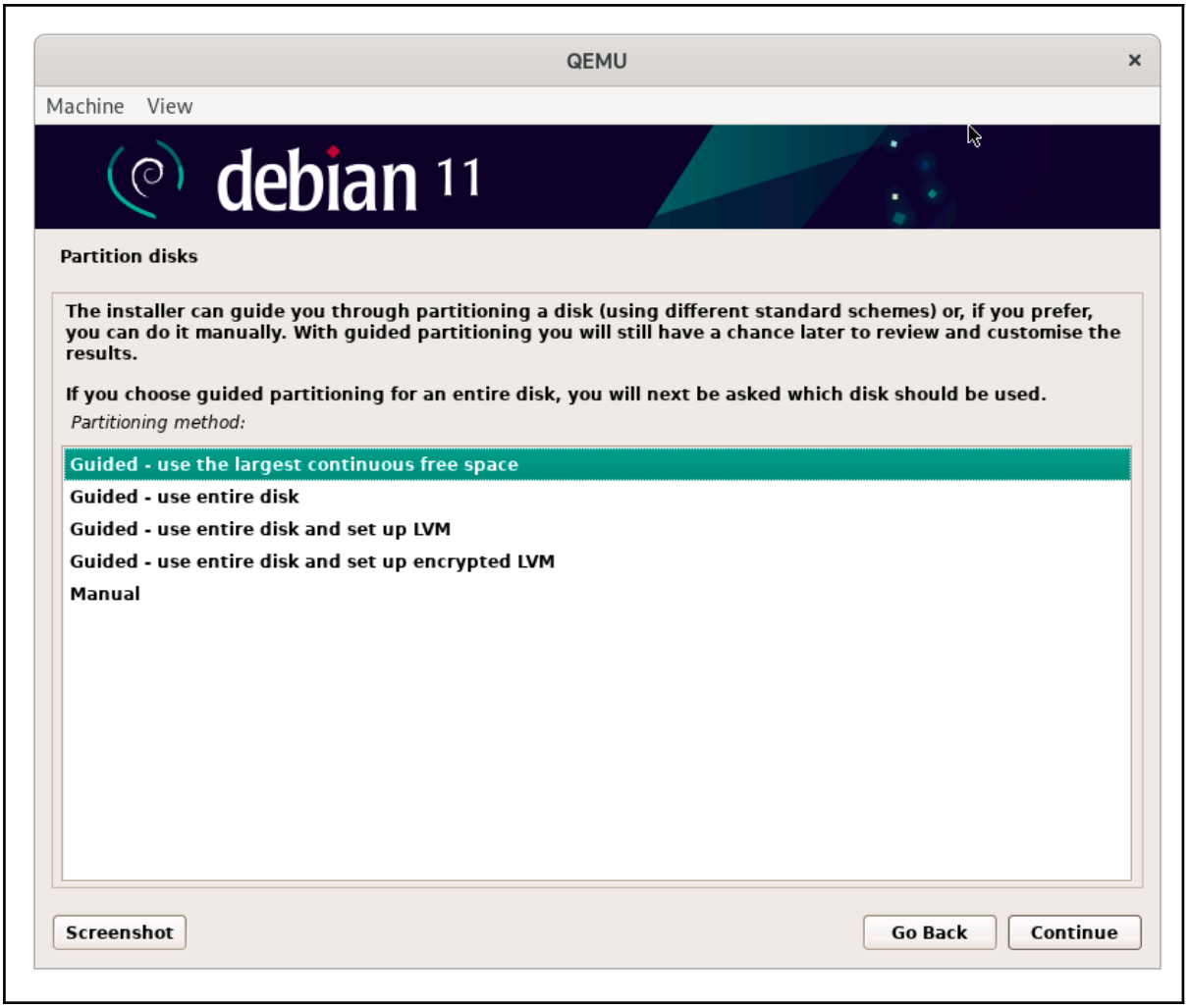
QEMU
Machine View
debian 11
Set up users and passwords
You need to set a password for 'root', the system administrative account. A malicious or unqualified user with root access can have disastrous results, so you should take care to choose a root password that is not easy to guess. It should not be a word found in dictionaries, or a word that could be easily associated with you.
A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.
The root user should not have an empty password. If you leave this empty, the root account will be disabled and the system's initial user account will be given the power to become root using the "sudo" command.
Note that you will not be able to see the password as you type it.
Root password:
Show Password in Clear
Please enter the same root password again to verify that you have typed it correctly.
Re-enter password to verify:
Show Password in Clear
Screenshot
Go Back
Continue

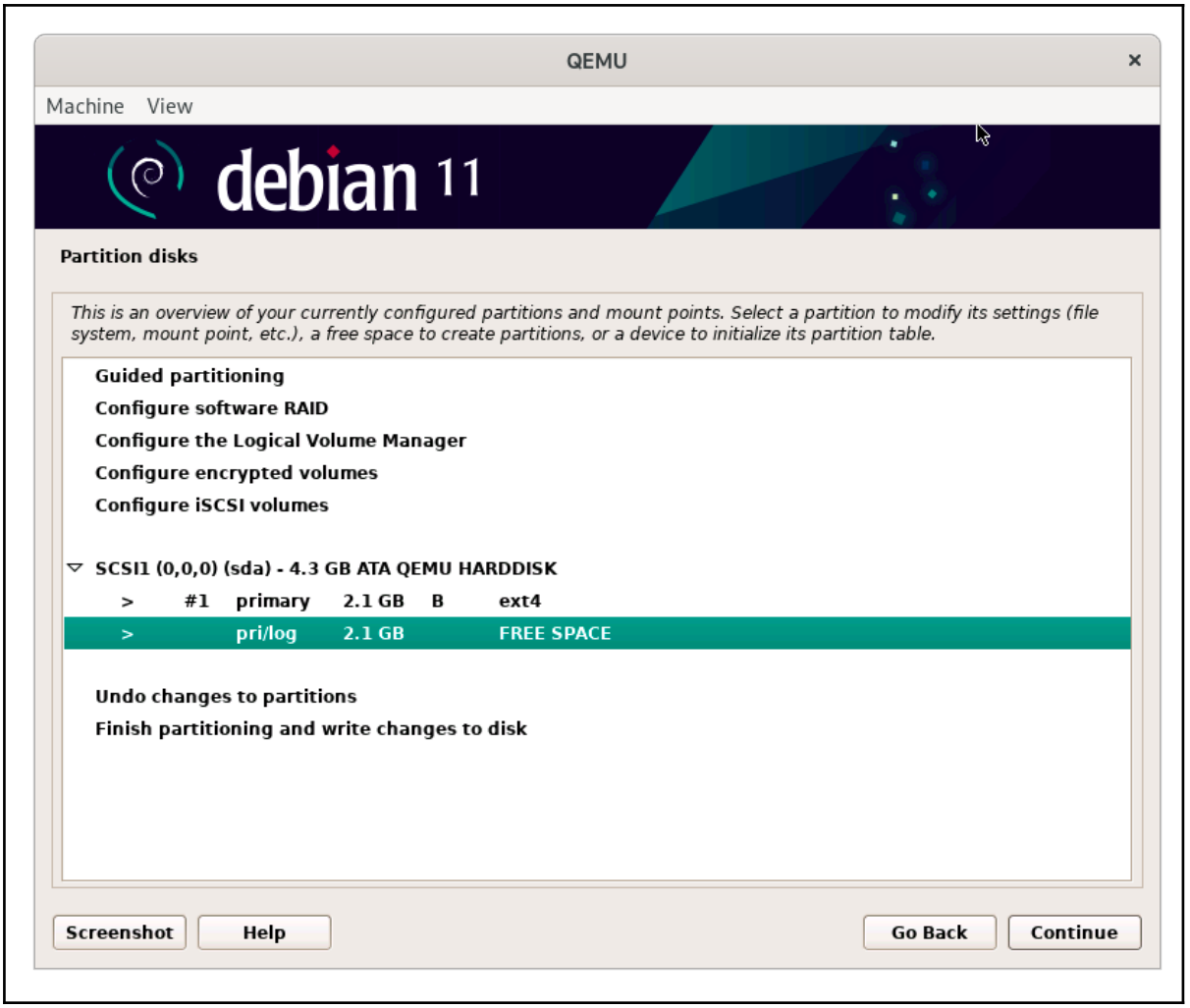
QEMU
Machine View
debian 11
Set up users and passwords
A user account will be created for you to use instead of the root account for non-administrative activities.
Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.
Full name for the new user:
guest
Screenshot
Go Back
Continue

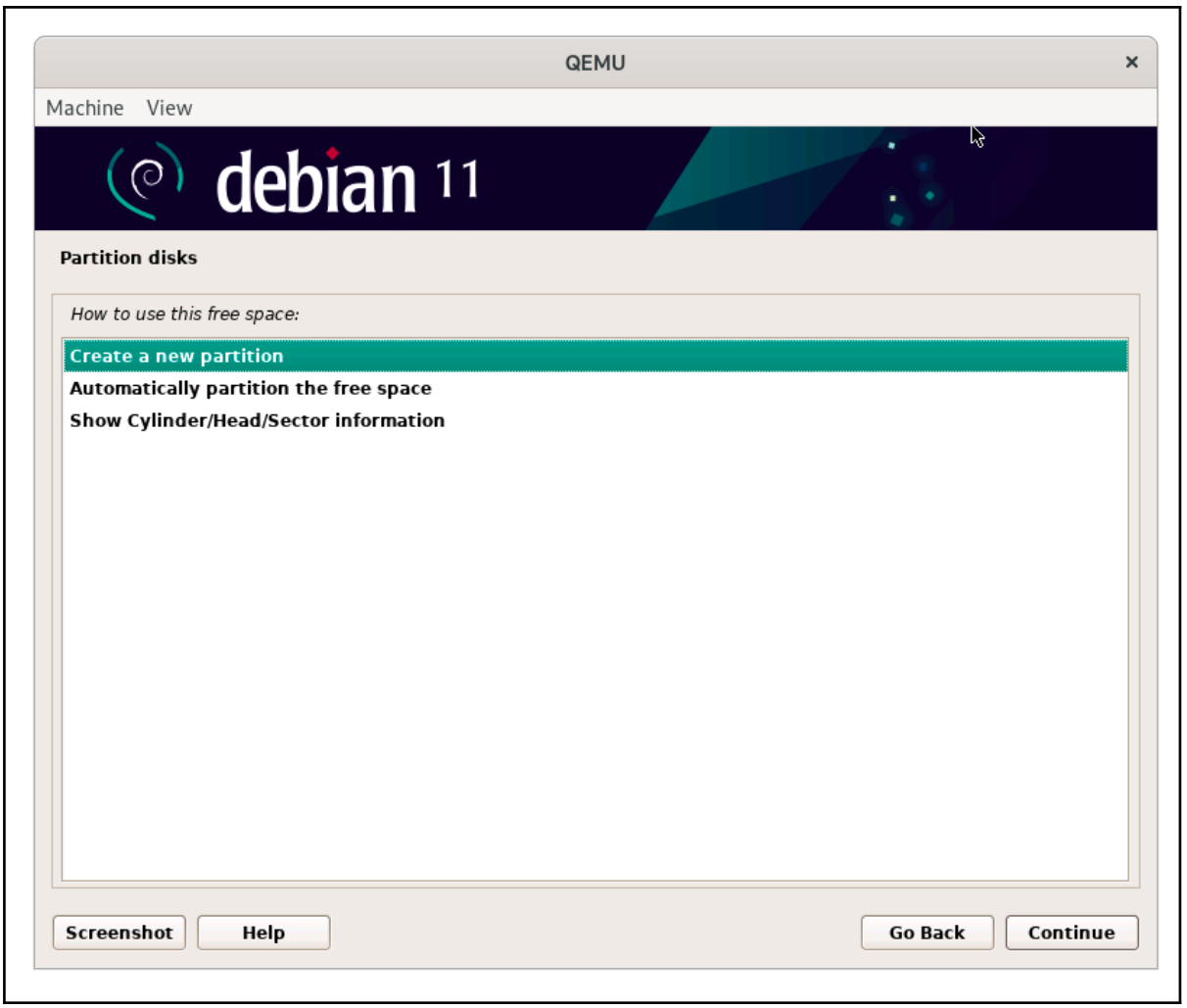

QEMU
Machine View
debian 11
Set up users and passwords
A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.
Choose a password for the new user:
Show Password in Clear
Please enter the same user password again to verify you have typed it correctly.
Re-enter password to verify:
Show Password in Clear
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Configure the clock
If the desired time zone is not listed, then please go back to the step "Choose language" and select a country that uses the desired time zone (the country where you live or are located).
Select your time zone:
Eastern
Central
Mountain
Pacific
Alaska
Hawaii
Arizona
East Indiana
Samoa
Screenshot
Go Back
Continue

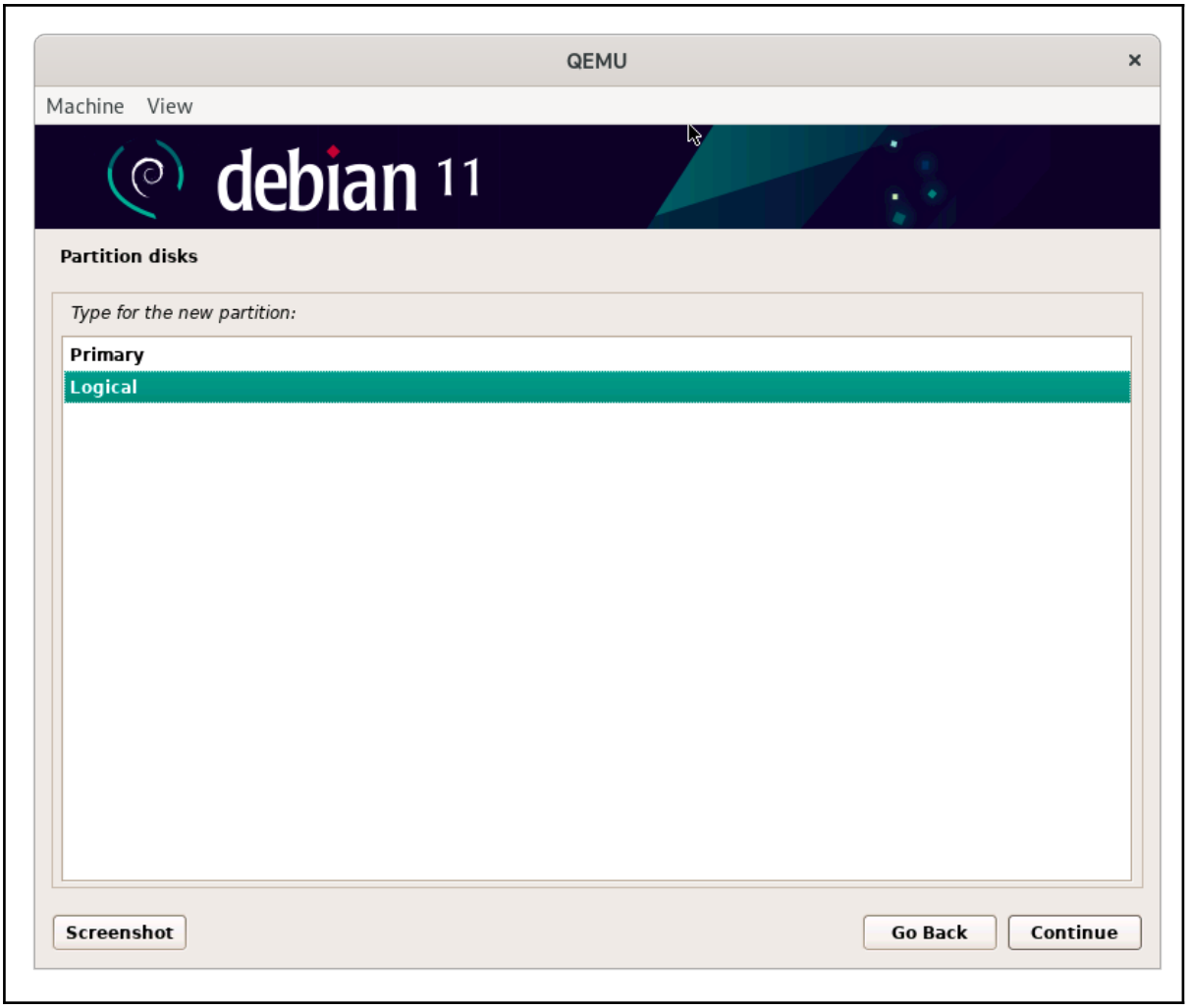

QEMU
Machine View
debian 11
Partition disks
Starting up the partitioner
Please wait...

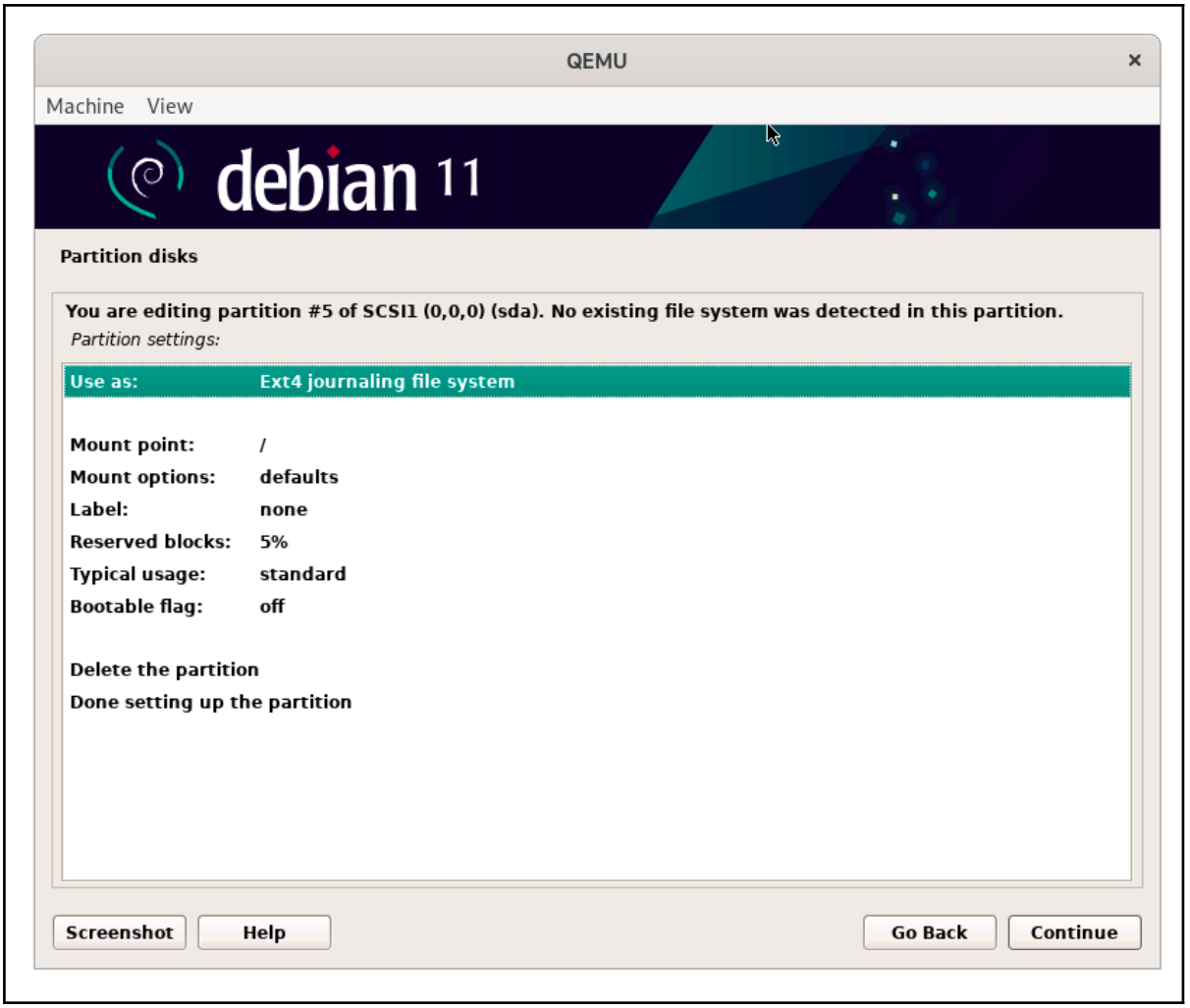

QEMU
Machine View
debian 11
Partition disks
The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.
If you choose guided partitioning for an entire disk, you will next be asked which disk should be used.
Partitioning method:
Guided - use the largest continuous free space
Guided - use entire disk
Guided - use entire disk and set up LVM
Guided - use entire disk and set up encrypted LVM
Manual
Screenshot
Go Back
Continue

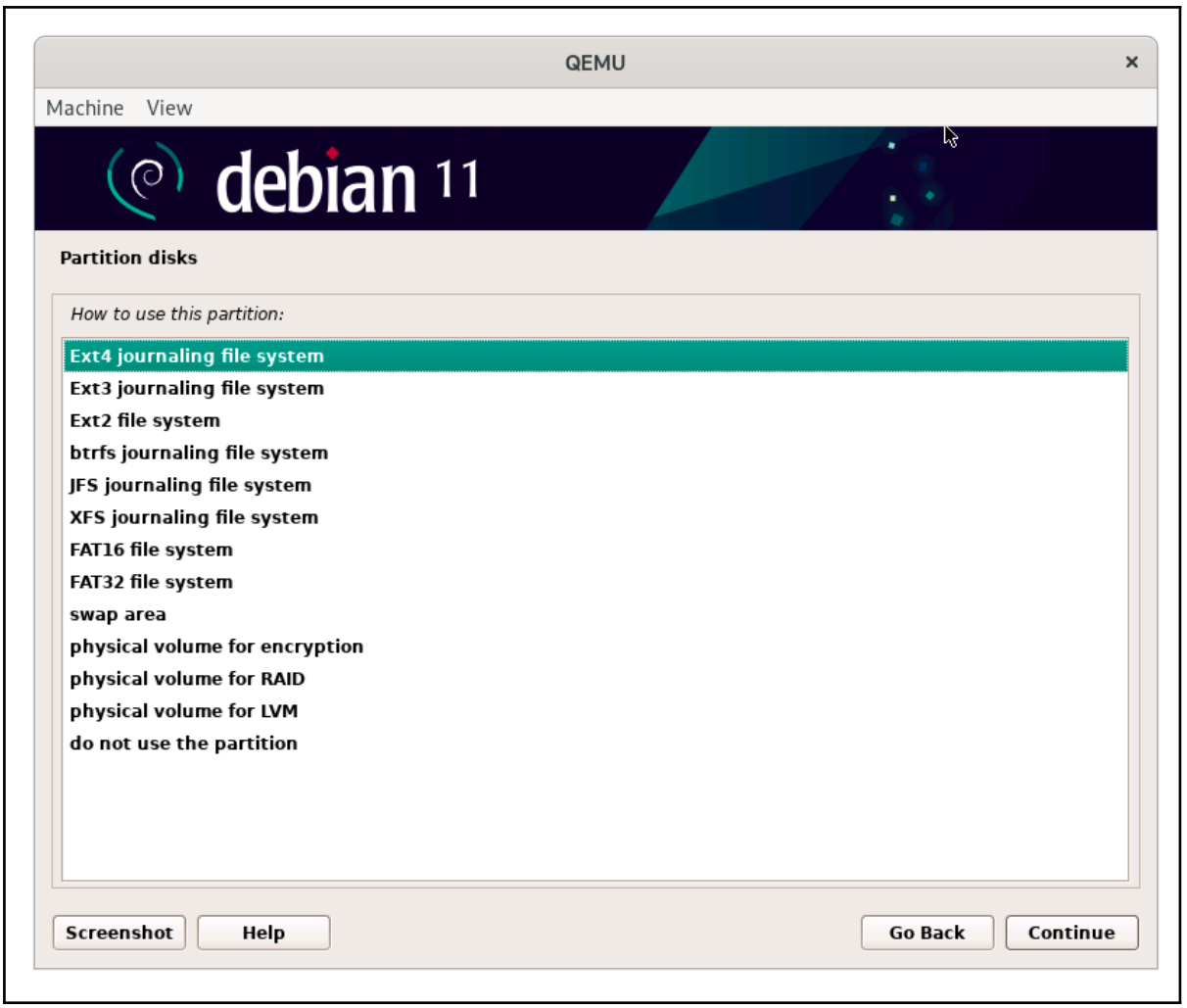

QEMU
Machine View
debian 11
Partition disks
This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.
Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes
SCSI1 (0,0,0) (sda) - 4.3 GB ATA QEMU HARDDISK
> #1 primary 2.1 GB B ext4
> pri/log 2.1 GB FREE SPACE
Undo changes to partitions
Finish partitioning and write changes to disk
Screenshot
Help
Go Back
Continue

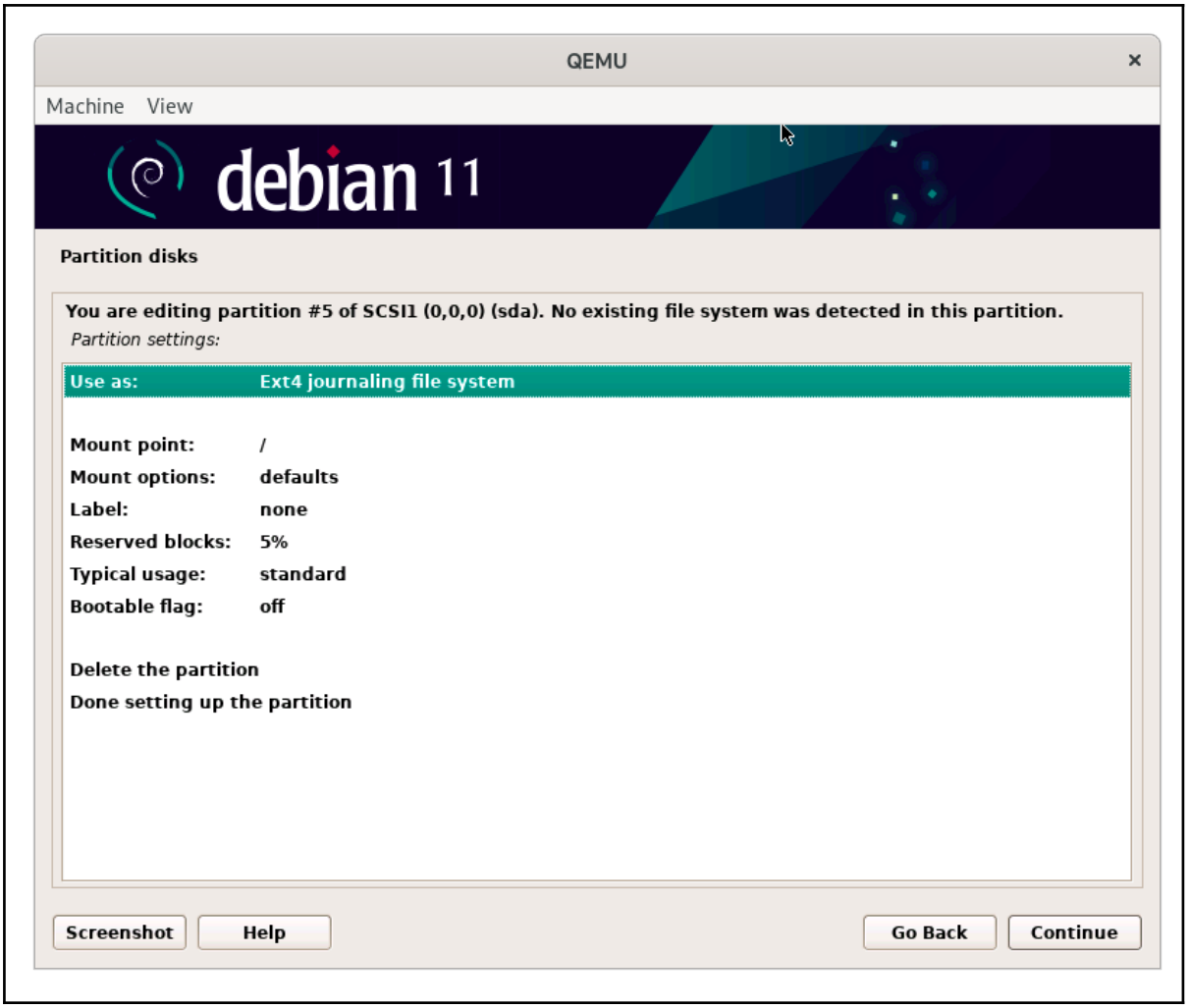

QEMU
Machine View
debian 11
Partition disks
How to use this free space:
Create a new partition
Automatically partition the free space
Show Cylinder/Head/Sector information
Screenshot
Help
Go Back
Continue

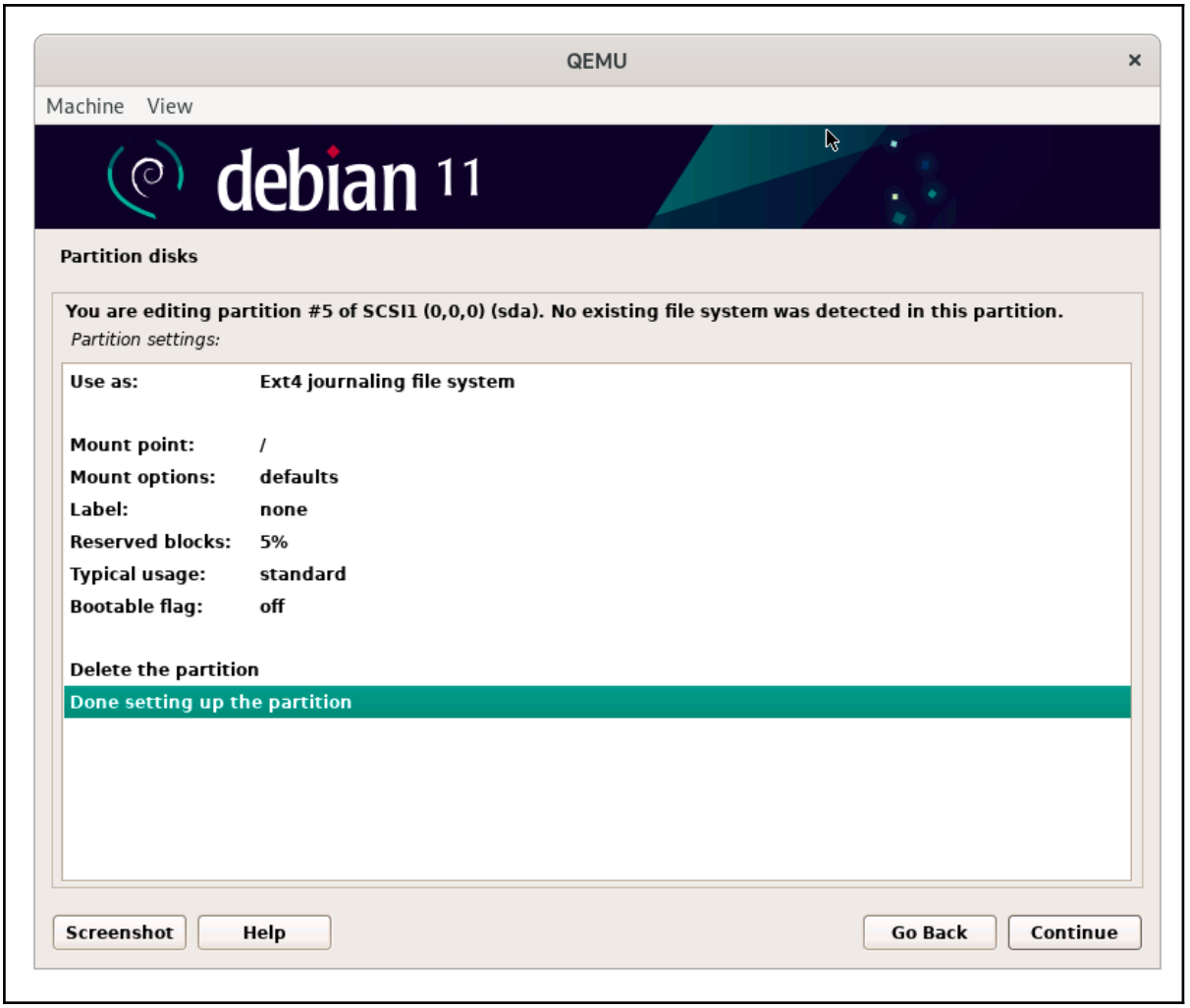
QEMU
Machine View
debian 11
Partition disks
The maximum size for this partition is 2.1 GB.
Hint: "max" can be used as a shortcut to specify the maximum size, or enter a percentage (e.g. "20%") to use that percentage of the maximum size.
New partition size:
2.1 GB
Screenshot
Go Back
Continue

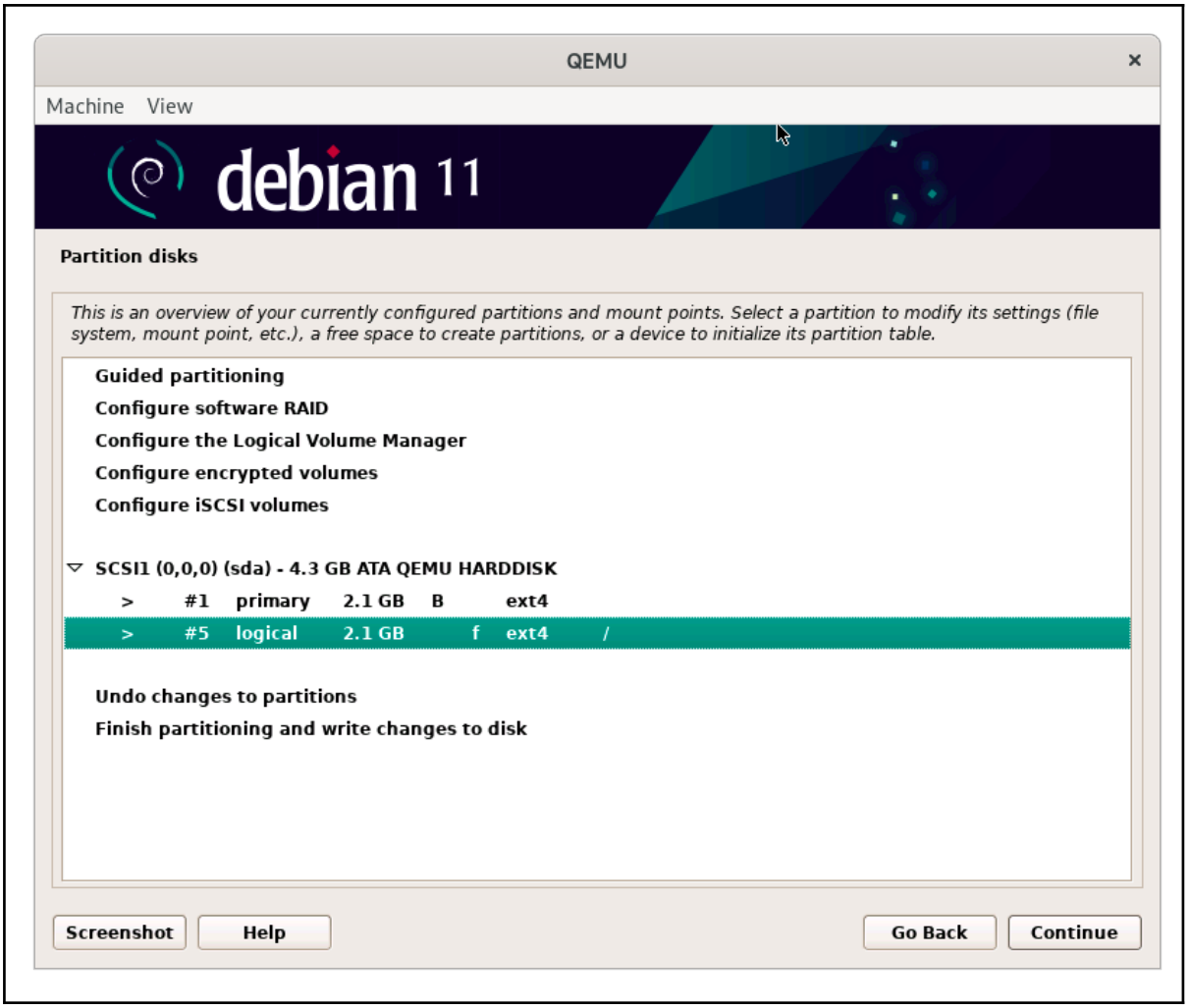

QEMU
Machine View
debian 11
Partition disks
Type for the new partition:
Primary
Logical
Screenshot
Go Back
Continue

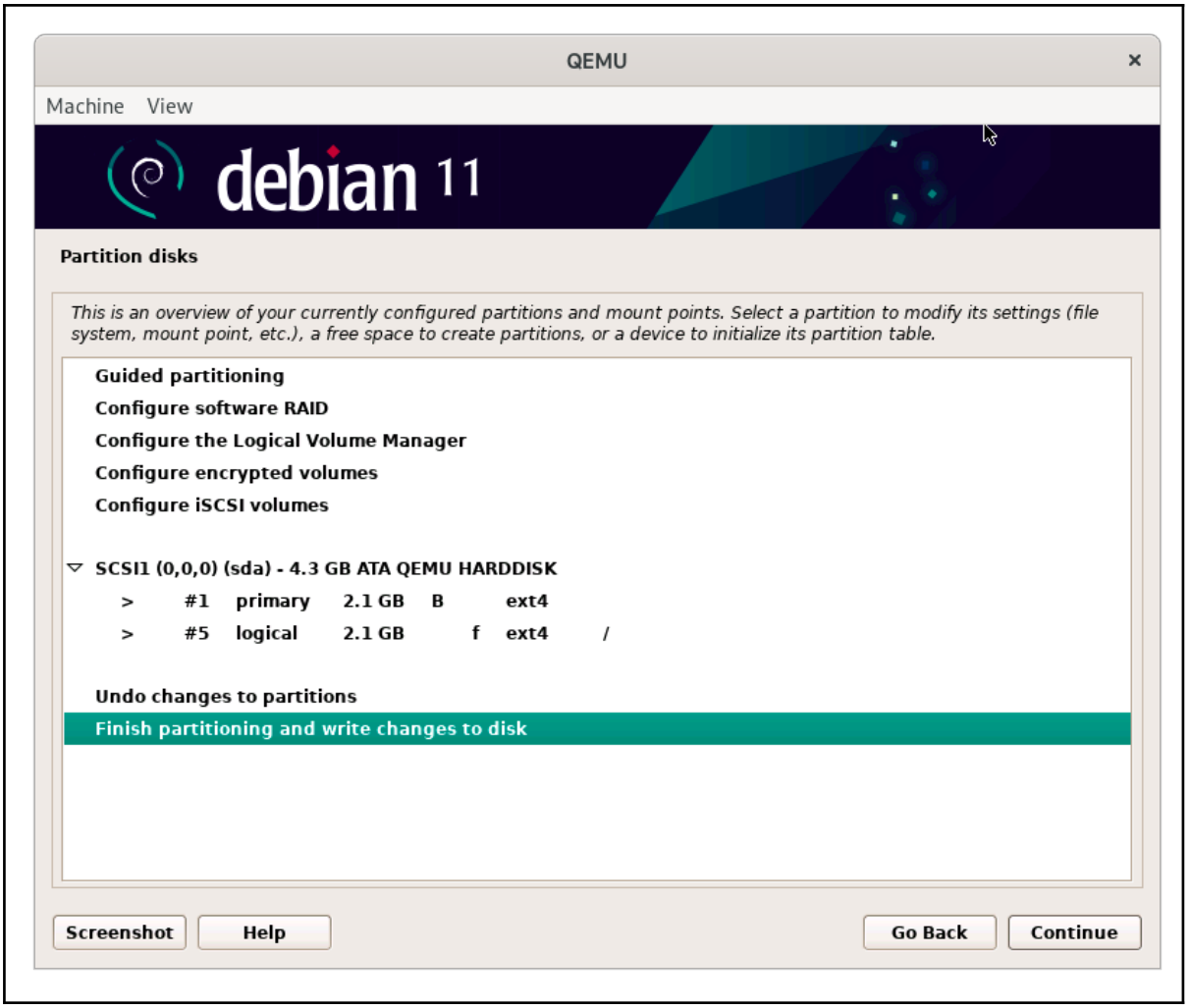

QEMU
Machine View
debian 11
Partition disks
You are editing partition #5 of SCSI1 (0,0,0) (sda). No existing file system was detected in this partition.
Partition settings:
Use as: Ext4 journaling file system
Mount point: /
Mount options: defaults
Label: none
Reserved blocks: 5%
Typical usage: standard
Bootable flag: off
Delete the partition
Done setting up the partition
Screenshot
Help
Go Back
Continue


QEMU
Machine View
debian 11
Partition disks
How to use this partition:
Ext4 journaling file system
Ext3 journaling file system
Ext2 file system
btrfs journaling file system
JFS journaling file system
XFS journaling file system
FAT16 file system
FAT32 file system
swap area
physical volume for encryption
physical volume for RAID
physical volume for LVM
do not use the partition
Screenshot
Help
Go Back
Continue


QEMU
Machine View
debian 11
Partition disks
You are editing partition #5 of SCSI1 (0,0,0) (sda). No existing file system was detected in this partition.
Partition settings:
Use as: Ext4 journaling file system
Mount point: /
Mount options: defaults
Label: none
Reserved blocks: 5%
Typical usage: standard
Bootable flag: off
Delete the partition
Done setting up the partition
Screenshot
Help
Go Back
Continue

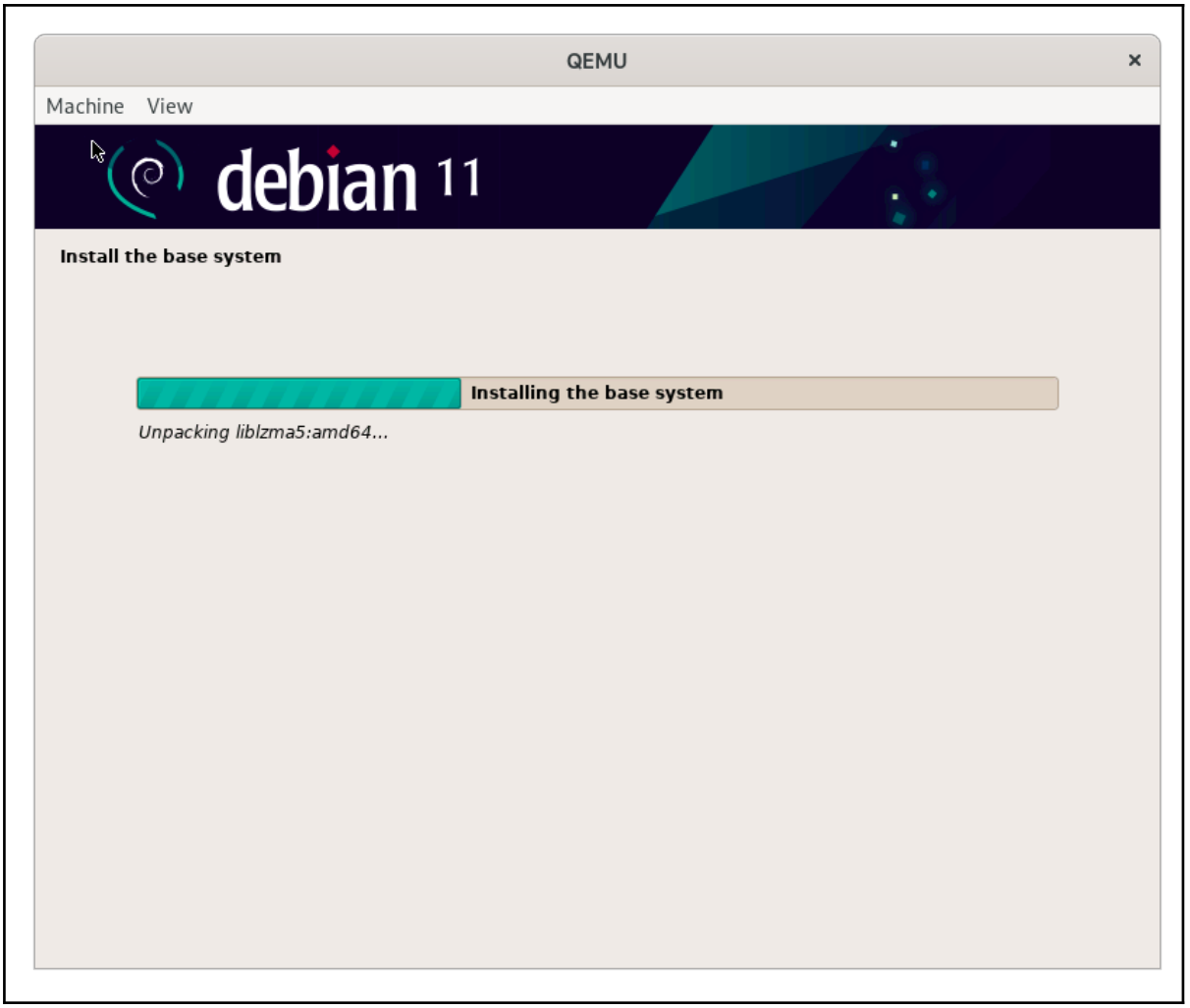

QEMU
Machine View
debian 11
Partition disks
You are editing partition #5 of SCSI1 (0,0,0) (sda). No existing file system was detected in this partition.
Partition settings:
Use as: Ext4 journaling file system
Mount point: /
Mount options: defaults
Label: none
Reserved blocks: 5%
Typical usage: standard
Bootable flag: off
Delete the partition
Done setting up the partition
Screenshot
Help
Go Back
Continue


QEMU
Machine View
debian 11
Partition disks
This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.
Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes
SCSI1 (0,0,0) (sda) - 4.3 GB ATA QEMU HARDDISK
> #1 primary 2.1 GB B ext4
> #5 logical 2.1 GB f ext4 /
Undo changes to partitions
Finish partitioning and write changes to disk
Screenshot
Help
Go Back
Continue


QEMU
Machine View
debian 11
Partition disks
This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.
Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes
SCSI1 (0,0,0) (sda) - 4.3 GB ATA QEMU HARDDISK
> #1 primary 2.1 GB B ext4
> #5 logical 2.1 GB f ext4 /
Undo changes to partitions
Finish partitioning and write changes to disk
Screenshot
Help
Go Back
Continue

QEMU
Machine View
debian 11
Partition disks
You have not selected any partitions for use as swap space. Enabling swap space is recommended so that the system can make better use of the available physical memory, and so that it behaves better when physical memory is scarce. You may experience installation problems if you do not have enough physical memory.
If you do not go back to the partitioning menu and assign a swap partition, the installation will continue without swap space.
Do you want to return to the partitioning menu?
No
Yes
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Partition 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:
SCSI1 (0,0,0) (sda)
The following partitions are going to be formatted:
partition #5 of SCSI1 (0,0,0) (sda) as ext4
Write the changes to disks?
No
Yes
Screenshot
Continue


QEMU
Machine View
debian 11
Install the base system
Installing the base system
Unpacking liblzma5:amd64...

QEMU
Machine View
debian 11
Configure the package manager
Scanning your installation media finds the label:
Debian GNU/Linux 11.1.0 _Bullseye_ - Official amd64 NETINST 20211009-10:07
You now have the option of scanning additional media for use by the package manager (apt). Normally these should be from the same set as the one you booted from. If you do not have any additional media, this step can just be skipped.
If you wish to scan more media, please insert another one now.
Scan extra installation media?
No
Yes
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Configure the package manager
The goal is to find a mirror of the Debian archive that is close to you on the network -- be aware that nearby countries, or even your own, may not be the best choice.
Debian archive mirror country:
Singapore
Slovakia
Slovenia
South Africa
Spain
Sweden
Switzerland
Taiwan
Thailand
Turkey
Ukraine
United Kingdom
United States
Uruguay
Vietnam
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Configure the package manager
Please select a Debian archive mirror. You should use a mirror in your country or region if you do not know which mirror has the best Internet connection to you.
Usually, deb.debian.org is a good choice.
Debian archive mirror:
ftp.es.debian.org
ulises.hostalia.com
deb.debian.org
debian-archive.trafficmanager.net
softlibre.unizar.es
debian.redparra.com
debian.grn.cat
ftp.udc.es
ftp.cica.es
ftp.caliu.cat
debian.redimadrid.es
debian.uvigo.es
mirror.librelabucm.org
repo.ifca.es
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Configure the package manager
If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.
The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".
HTTP proxy information (blank for none):
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Configuring popularity-contest
The system may anonymously supply the distribution developers with statistics about the most used packages on this system. This information influences decisions such as which packages should go on the first distribution CD.
If you choose to participate, the automatic submission script will run once every week, sending statistics to the distribution developers. The collected statistics can be viewed on https://popcon.debian.org/.
This choice can be later modified by running "dpkg-reconfigure popularity-contest".
Participate in the package usage survey?
No
Yes
Screenshot
Go Back
Continue

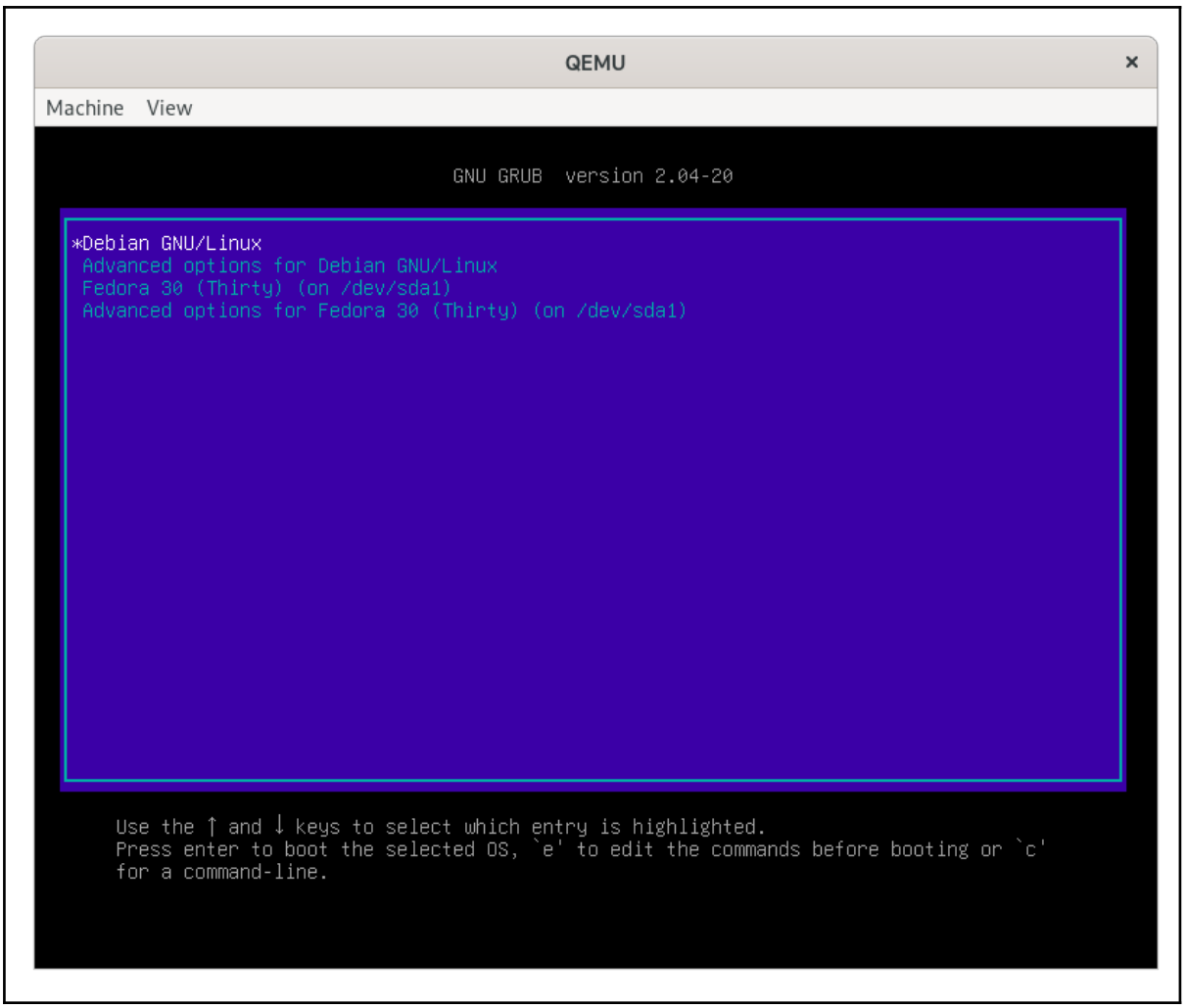
QEMU
Machine View
debian 11
Software selection
At the moment, only the core of the system is installed. To tune the system to your needs, you can choose to install one or more of the following predefined collections of software.
Choose software to install:
Debian desktop environment
... GNOME
... Xfce
... GNOME Flashback
... KDE Plasma
... Cinnamon
... MATE
... LXDE
... LXQt
web server
SSH server
standard system utilities
Screenshot
Continue

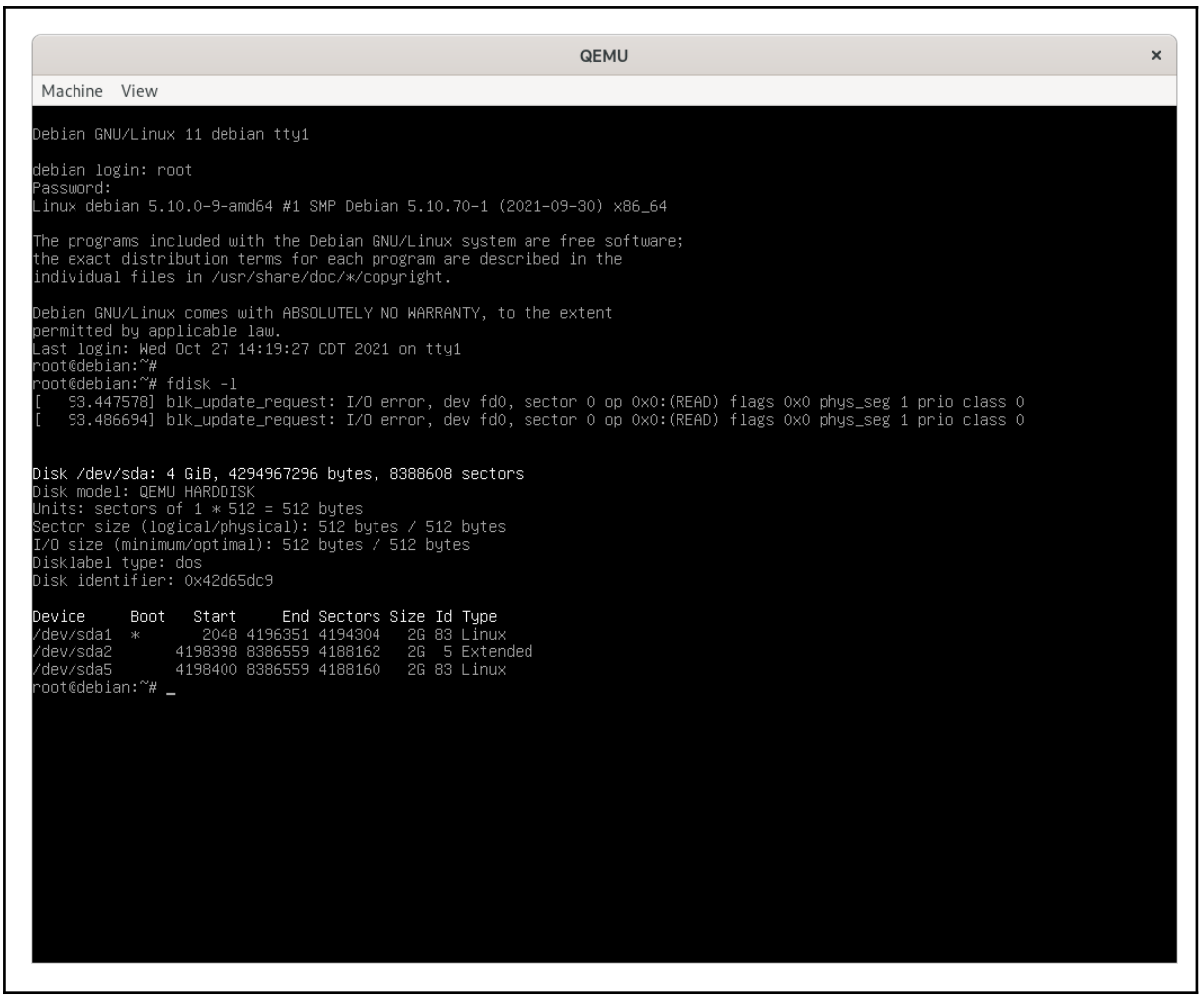
QEMU
Machine View
debian 11
Install the GRUB boot loader
The following other operating systems have been detected on this computer: Fedora 30 (Thirty)
If all of your operating systems are listed above, then it should be safe to install the boot loader to your primary drive (UEFI partition/boot record). When your computer boots, you will be able to choose to load one of these operating systems or the newly installed Debian system.
Install the GRUB boot loader to your primary drive?
No
Yes
Screenshot
Go Back
Continue

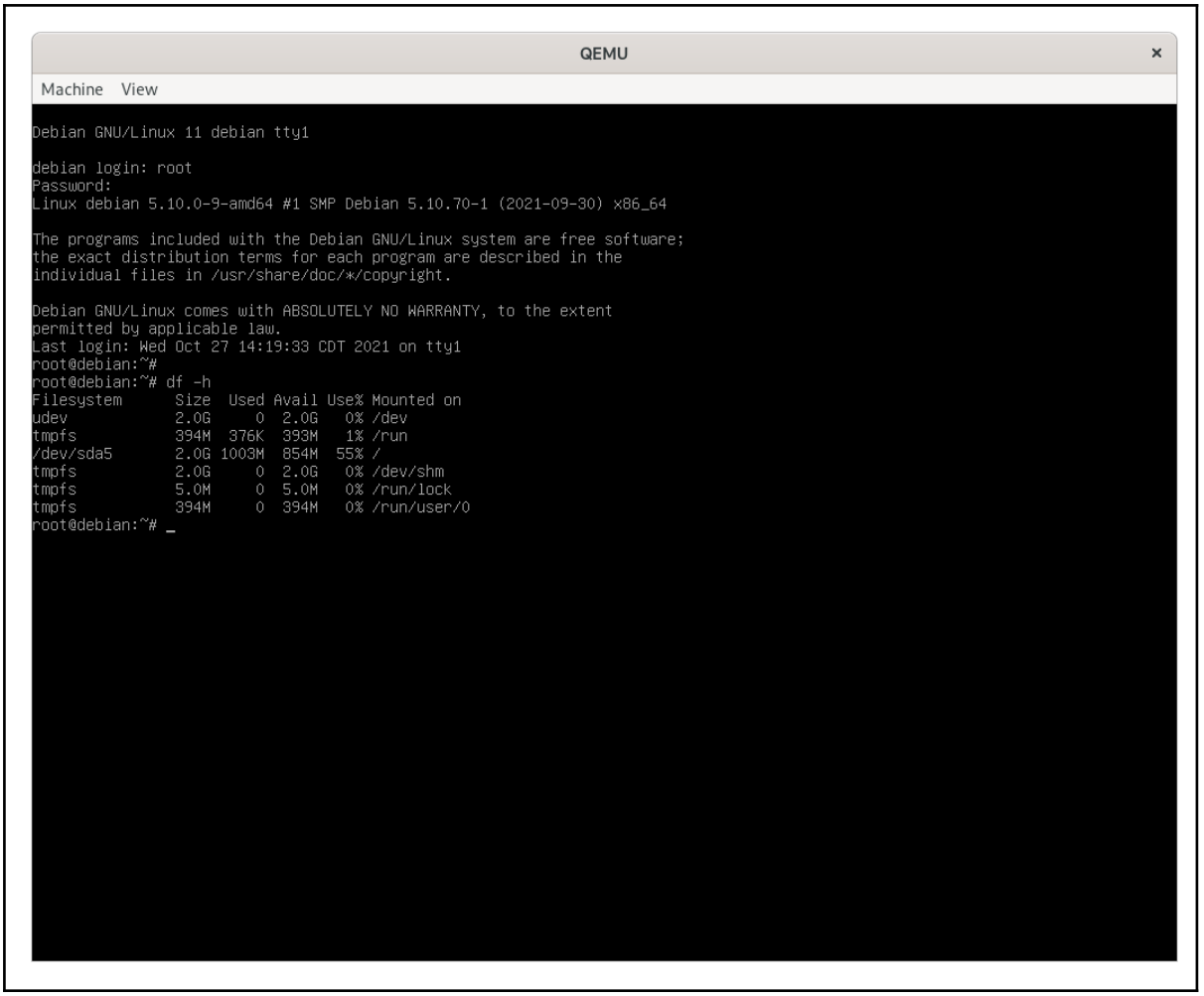
QEMU
Machine View
debian 11
Install the GRUB boot loader
You need to make the newly installed system bootable, by installing the GRUB boot loader on a bootable device. The usual way to do this is to install GRUB to your primary drive (UEFI partition/boot record). You may instead install GRUB to a different drive (or partition), or to removable media.
Device for boot loader installation:
Enter device manually
/dev/sda (ata-QEMU_HARDDISK_QM00001)
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Finish the installation
System clocks are generally set to Coordinated Universal Time (UTC). The operating system uses your time zone to convert system time into local time. This is recommended unless you also use another operating system that expects the clock to be set to local time.
Is the system clock set to UTC?
No
Yes
Screenshot
Go Back
Continue

QEMU
Machine View
debian 11
Finish the installation
Installation complete
Installation is complete, so it is time to boot into your new system. Make sure to remove the installation media, so that you boot into the new system rather than restarting the installation.
Screenshot
Go Back
Continue


QEMU
Machine View
GNU GRUB version 2.04-20
*Debian GNU/Linux
Advanced options for Debian GNU/Linux
Fedora 30 (Thirty) (on /dev/sda1)
Advanced options for Fedora 30 (Thirty) (on /dev/sda1)
Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, `e' to edit the commands before booting or `c'
for a command-line.


QEMU
Machine View
Debian GNU/Linux 11 debian tty1
debian login: root
Password:
Linux debian 5.10.0-9-amd64 #1 SMP Debian 5.10.70-1 (2021-09-30) x86_64
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Oct 27 14:19:27 CDT 2021 on tty1
root@debian:~#
root@debian:~# fdisk -l
[93.447578] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[93.486694] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
Disk /dev/sda: 4 GiB, 4294967296 bytes, 8388608 sectors
Disk model: QEMU HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x42d65dc9
Device Boot Start End Sectors Size Id Type
/dev/sda1 * 2048 4196351 4194304 2G 83 Linux
/dev/sda2 4198398 8386559 4188162 2G 5 Extended
/dev/sda5 4198400 8386559 4188160 2G 83 Linux
root@debian:~# _


QEMU
Machine View
Debian GNU/Linux 11 debian tty1
debian login: root
Password:
Linux debian 5.10.0-9-amd64 #1 SMP Debian 5.10.70-1 (2021-09-30) x86_64
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Oct 27 14:19:33 CDT 2021 on tty1
root@debian:~#
root@debian:~# df -h
Filesystem Size Used Avail Use% Mounted on
udev 2.0G 0 2.0G 0% /dev
tmpfs 394M 376K 393M 1% /run
/dev/sda5 2.0G 1003M 854M 55% /
tmpfs 2.0G 0 2.0G 0% /dev/shm
tmpfs 5.0M 0 5.0M 0% /run/lock
tmpfs 394M 0 394M 0% /run/user/0
root@debian:~# _

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
```