

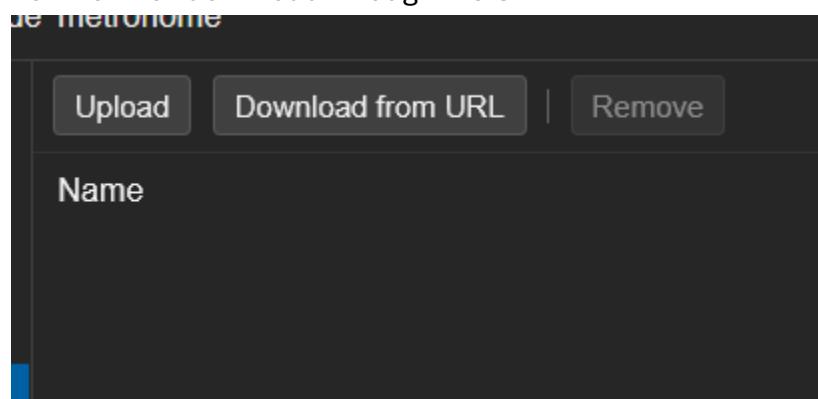
Proxmox – Linux VMs & Spice

This guide can apply to making pretty much any Linux VM, but in this case I'll be using Mint as my distro of choice.

Pre-requisites

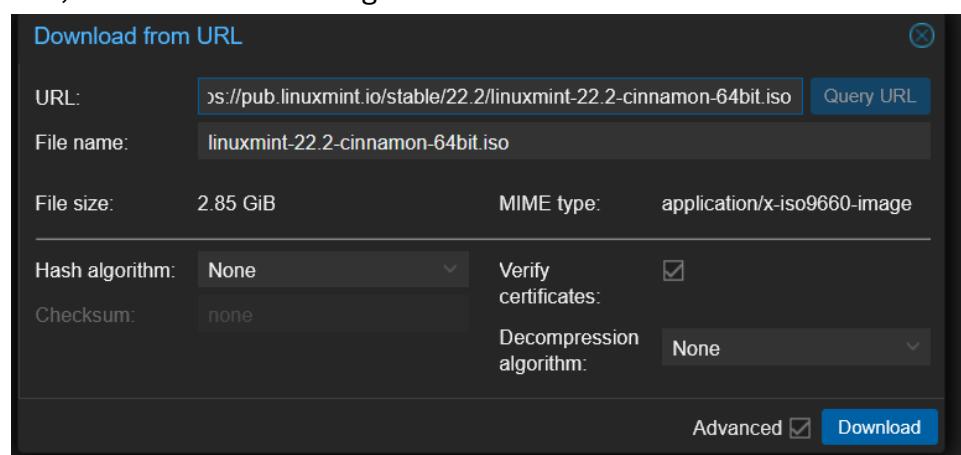
- Proxmox server/node

1. Download the ISO – click into the storage where you want to download the ISO for the VM, then select “ISO Images”
2. From here you’ll have 2 options
 - a. Manually download the ISO and upload yourself
 - b. Let Proxmox download through the URL



c.

3. In my case, I will download through the URL:



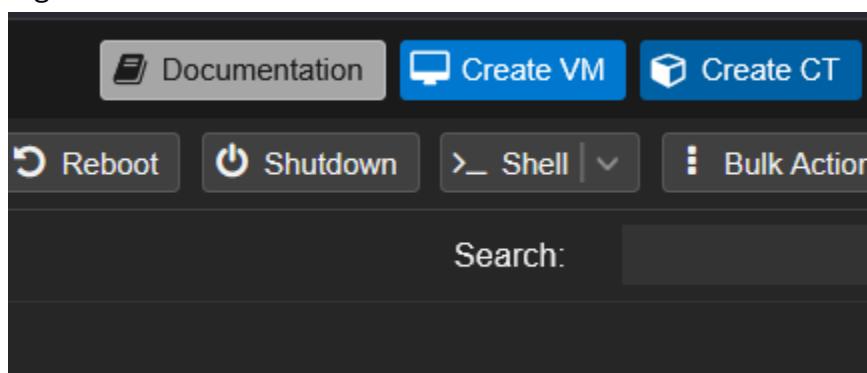
a.

- b. You can enter the Hash and Checksum if you'd like.

- i. Linux Mint version and SHA256 used here:
 - ii. <https://pub.linuxmint.io/stable/22.2/linuxmint-22.2-cinnamon-64bit.iso>

iii. 759c9b5a2ad26eb9844b24f7da1696c705ff5fe07924a749f385f43517
6c2306
iv. 2025-12-09 11:30:06 (29.5 MB/s) - '/mnt/pve/DIR01/template/iso/linuxmint-22.2-cinnamon-64bit.iso.tmp_dwnl.886855' saved [3055239168/3055239168]
calculating checksum...OK, checksum verified

4. Once the ISO has been downloaded, go into your node and click on “Create VM” in the top right corner.



a.

5. Enter the ID and Name you'd like set and follow through the setup wizard:

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

Node: metronome Resource Pool:

VM ID: 101

Name: Mint

Add to HA:

a.

- b. In the OS tab, select the ISO you downloaded. I left the System tab as default.
c. In the Disks tab, I only bumped up the disk size to 50gb

System Disks CPU Memory Network

Disk Bandwidth

Bus/Device: SCSI 0

SCSI Controller: VirtIO SCSI single

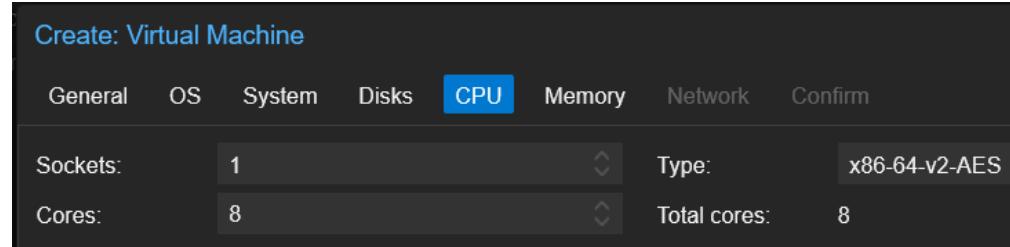
Storage: DIR01

Disk size (GiB): 50

Format: QEMU image format

i.

- d. CPU – I'm using 8 cores

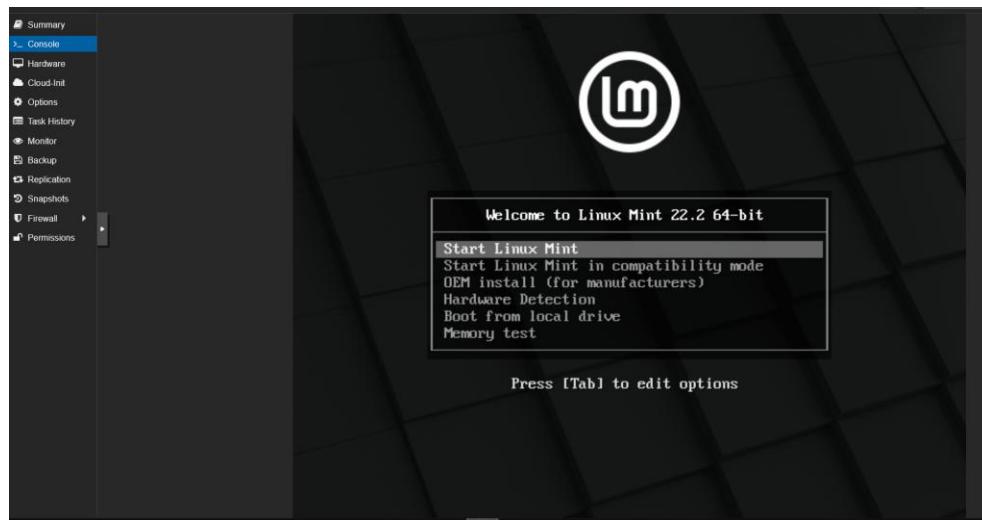


i.

- e. Memory – 12gb memory
- f. Network – default

6. Once complete verify your settings on the Confirm tab.

7. Boot up your Mint VM



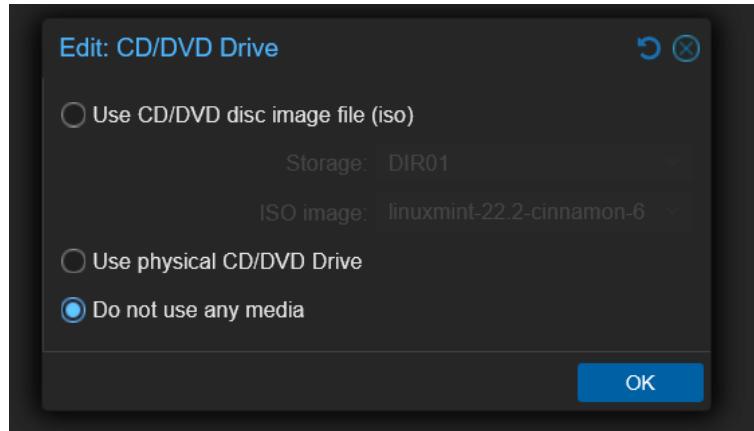
a.

8. Follow the setup for your installed Linux Distro

9. Once initial setup is complete, shutdown the VM and remove the ISO from the CD/DVD drive under hardware

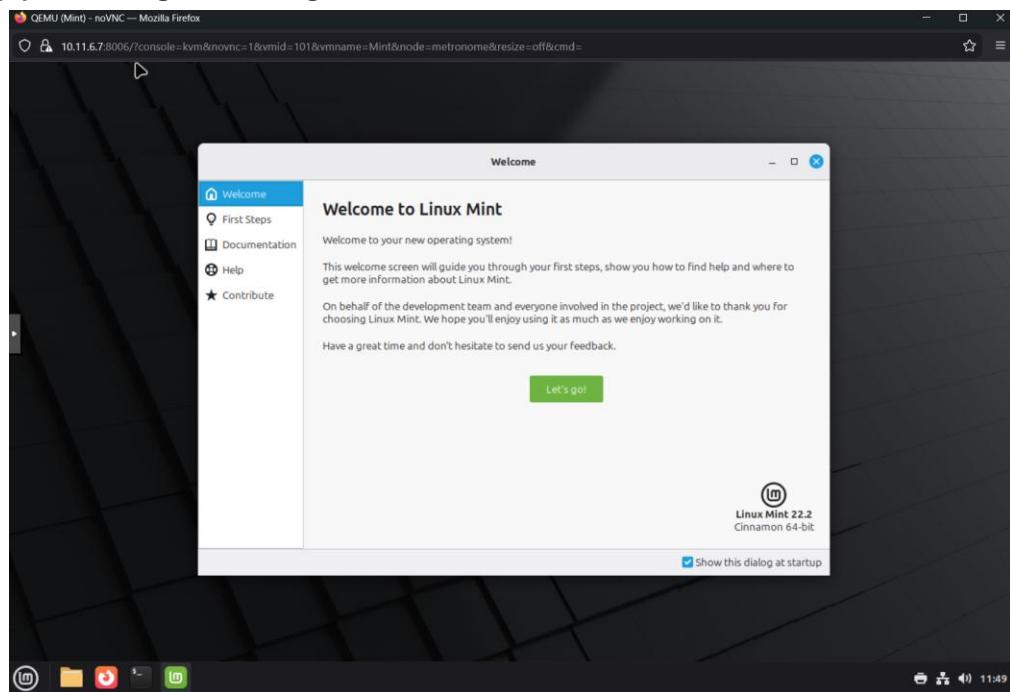
a.

Summary	Add	Remove	Edit	Disk Action	Revert
Console					
Hardware					
Memory	12.00 GiB				
Processors	8 (1 sockets, 8 cores) [x86-64-v2-AES]				
BIOS	Default (Seabios)				
Display	Default				
Machine	Default (i400fx)				
SCSI Controller	VirtIO SCSI single				
CD/DVD Drive (ide2)	DIR01:iso/linuxmint-22.2-cinnamon-64bit.iso,media=cdrom,size=2983632K				
Hard Disk (scsi0)	DIR01:101/m-101-disk-0.qcow2,iowthread=1,size=50G				
Network Device (net0)	virtio=BC:24:11:C6:73:5F,bridge=vmbr0,firewall=1				



b.

10. Startup your VM again and login



a.

Spice

Setting up Spice is entirely optional, but I feel that Spice provides a better user experience than noVNC. Most of this spice guide comes from the following:

<https://www.youtube.com/watch?v=MuEOQFGwOW4>

Pre-requisites

- VM in Proxmox
- Spice: <https://www.spice-space.org/download.html>

1. Shutdown the VM you want to make these changes to
2. Under the Hardware section, we'll be editing the "Display" options.
 - a. Change the default Graphic Card to Spice and set the memory to 32

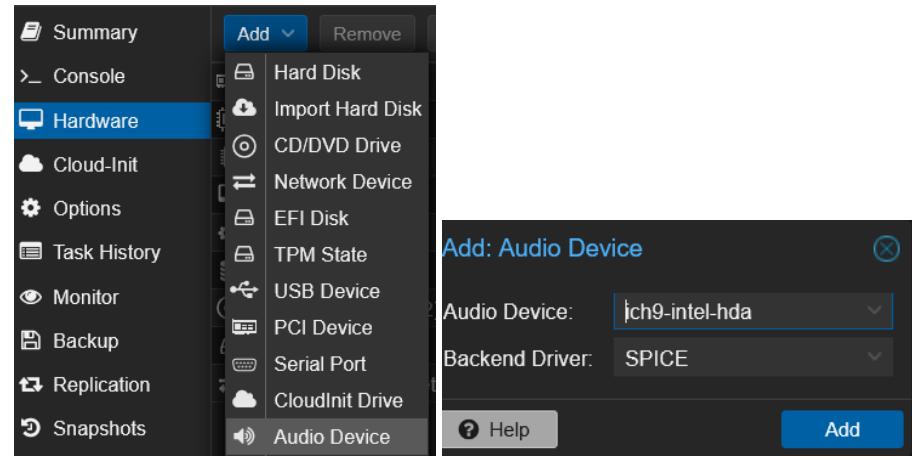
b.

c.

3. Optional setup
 - a. Under the Options section you'll be able to edit the "Spice Enhancements"

b.

c. Under the Hardware section, you can setup Audio passthrough by clicking on "Add" the "Audio Device"



- d. The same can be done for USB passthrough
- e. The same can be done for USB passthrough

