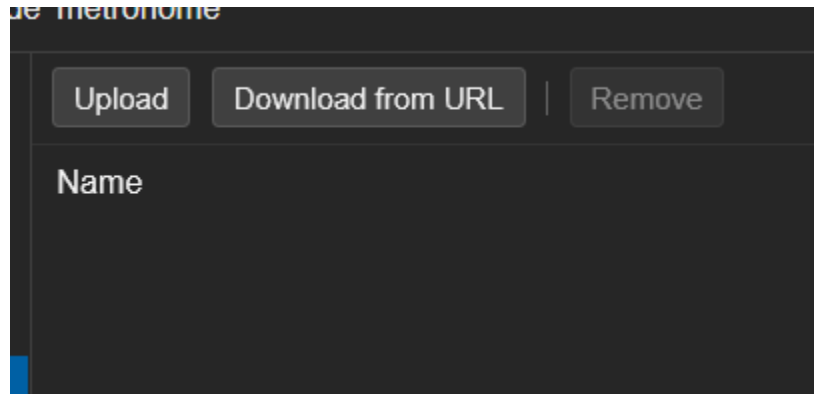Proxmox – Linux VMs & Spice

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

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 [3055239168/3055

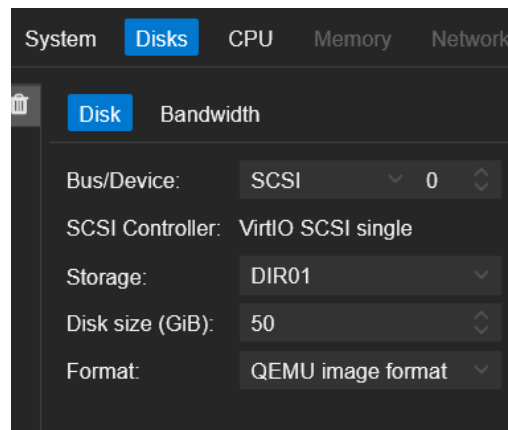calculating checksum...OK, checksum verified

       iv.

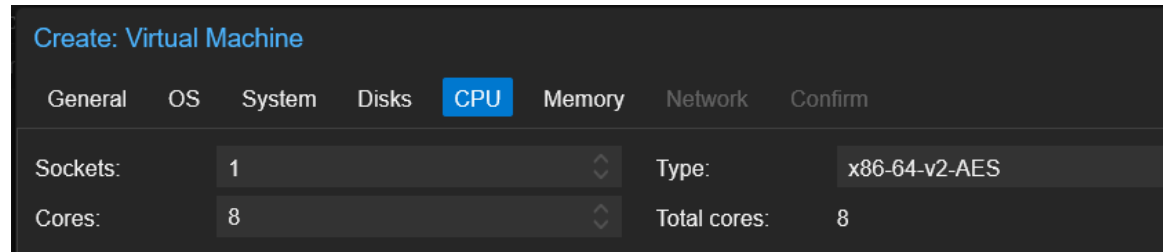4. Once the ISO has been downloaded, go into your node and click on "Create VM" in the top right corner.
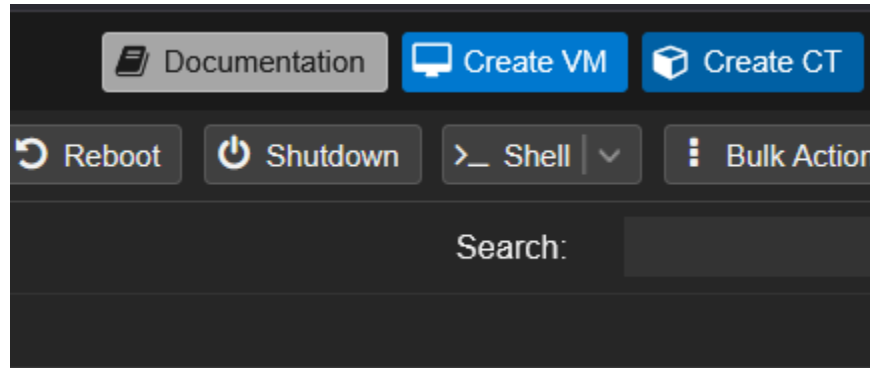
   a.

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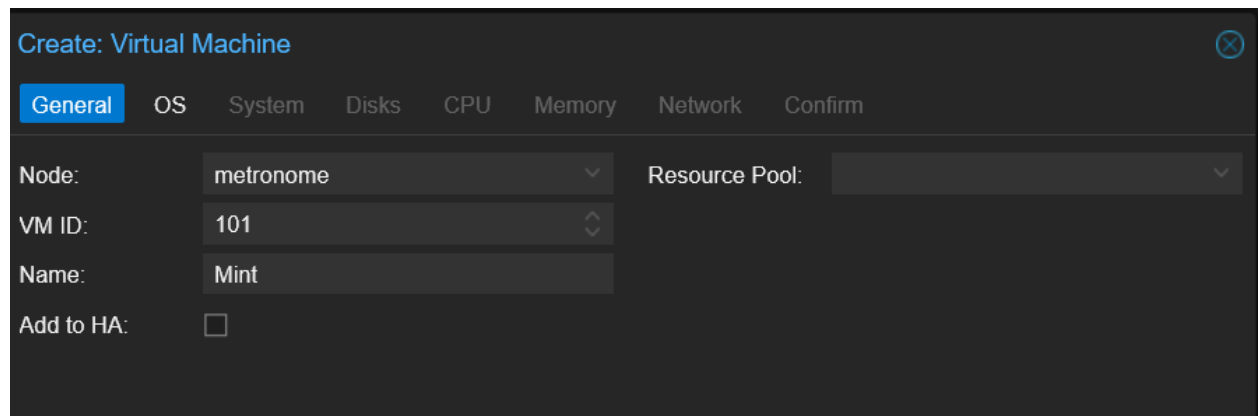
   a.

   b. In the OS tab, select the ISO you downloaded. I left the System tab as default.

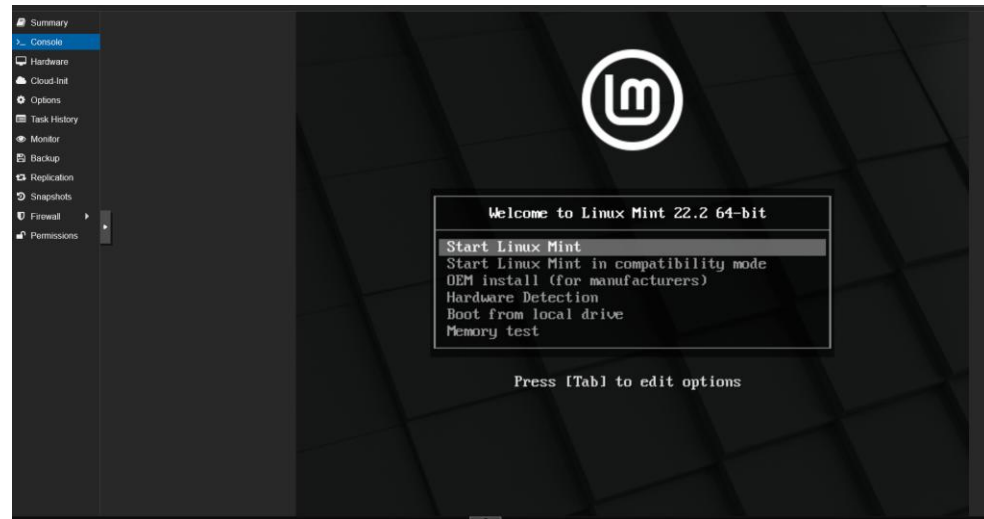   c. In the Disks tab, I only bumped up the disk size to 50gb
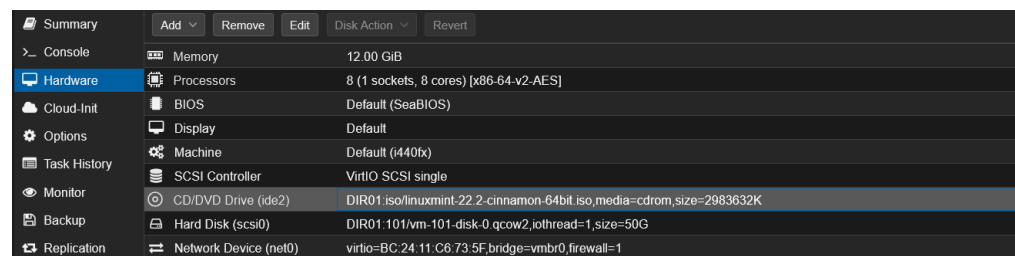
      i.

   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.
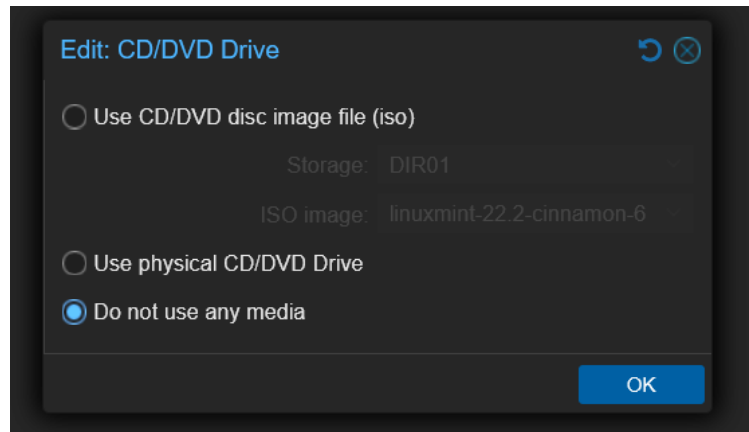7. Boot up your Mint VM

   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
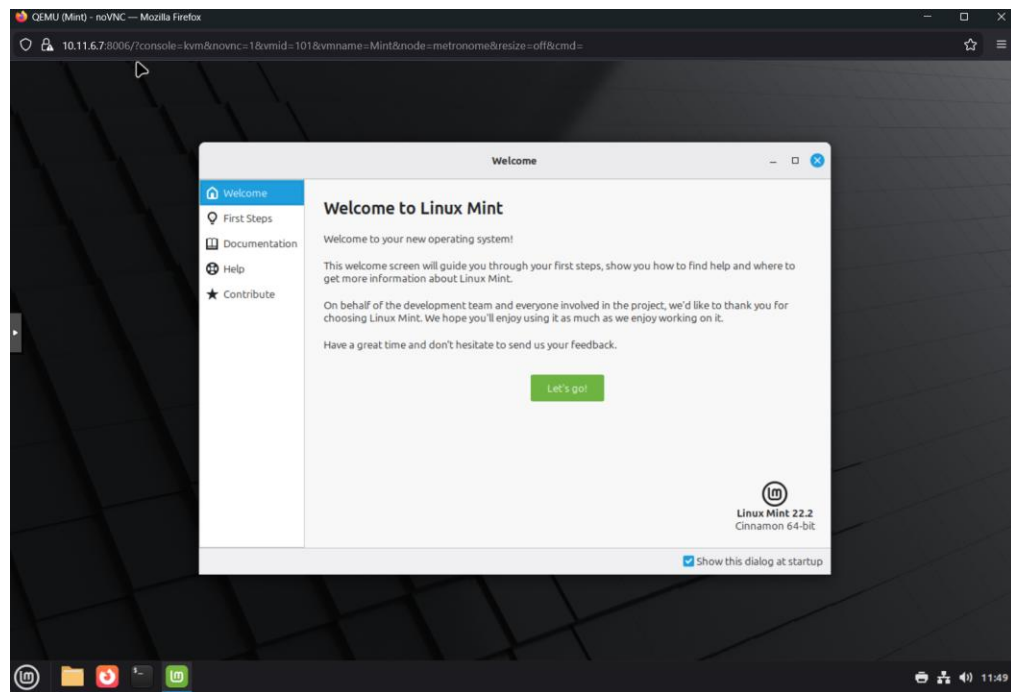

   a.

b.

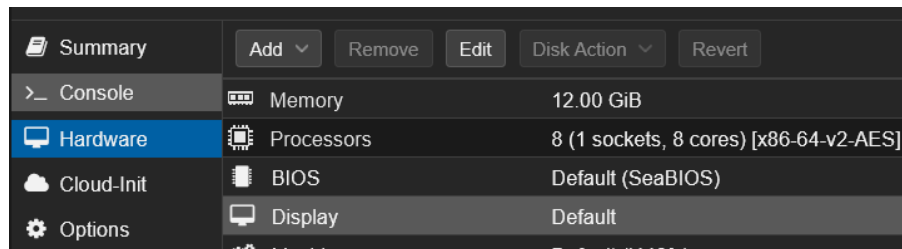10. Startup your VM again and login

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
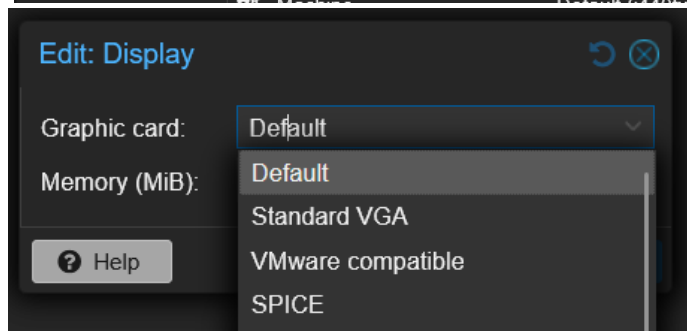
Pre-requisites

- 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.
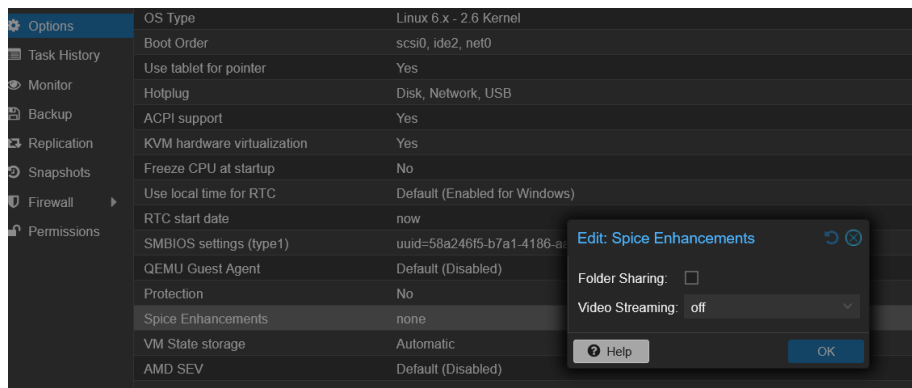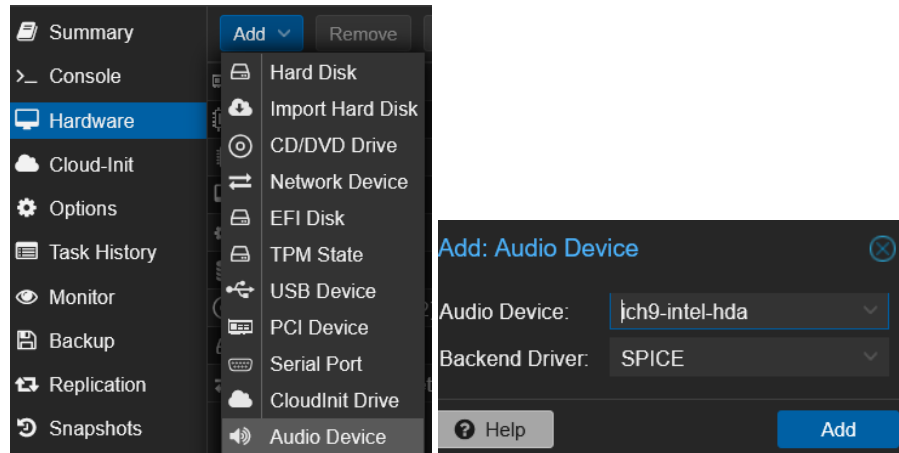   a. Change the default Graphic Card to Spice and set the memory to 32
   b.
   c.
3. Optional setup
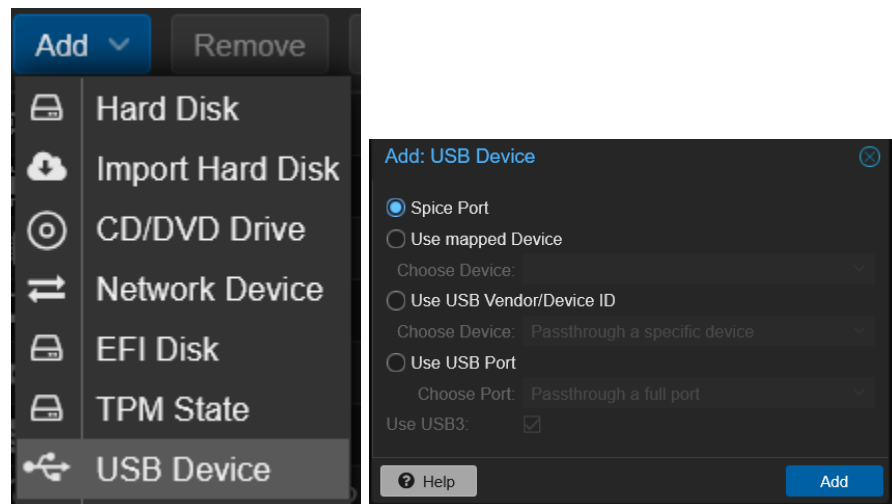   a. Under the Options section you'll be able to edit the "Spice Enhancements"
   b.
   c. Under the Hardware section, you can setup Audio passthrough by clicking on "Add" the "Audio Device"

d.

e. The same can be done for USB passthrough

i.