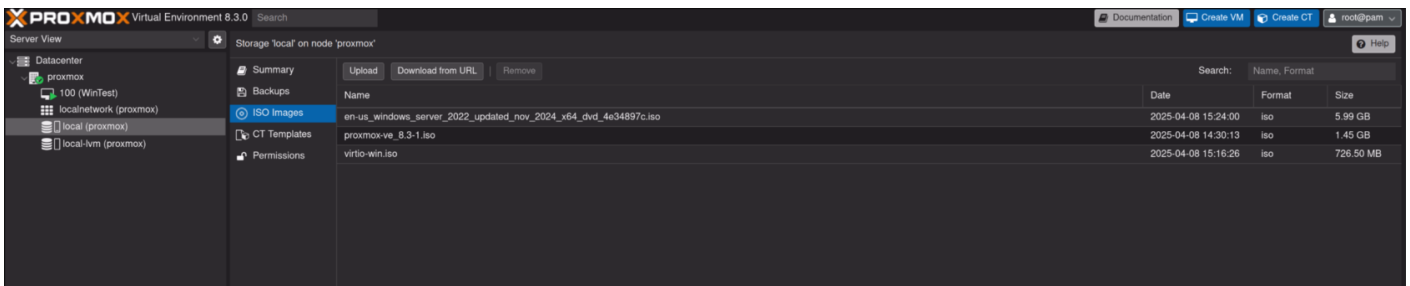


Windows VM Install

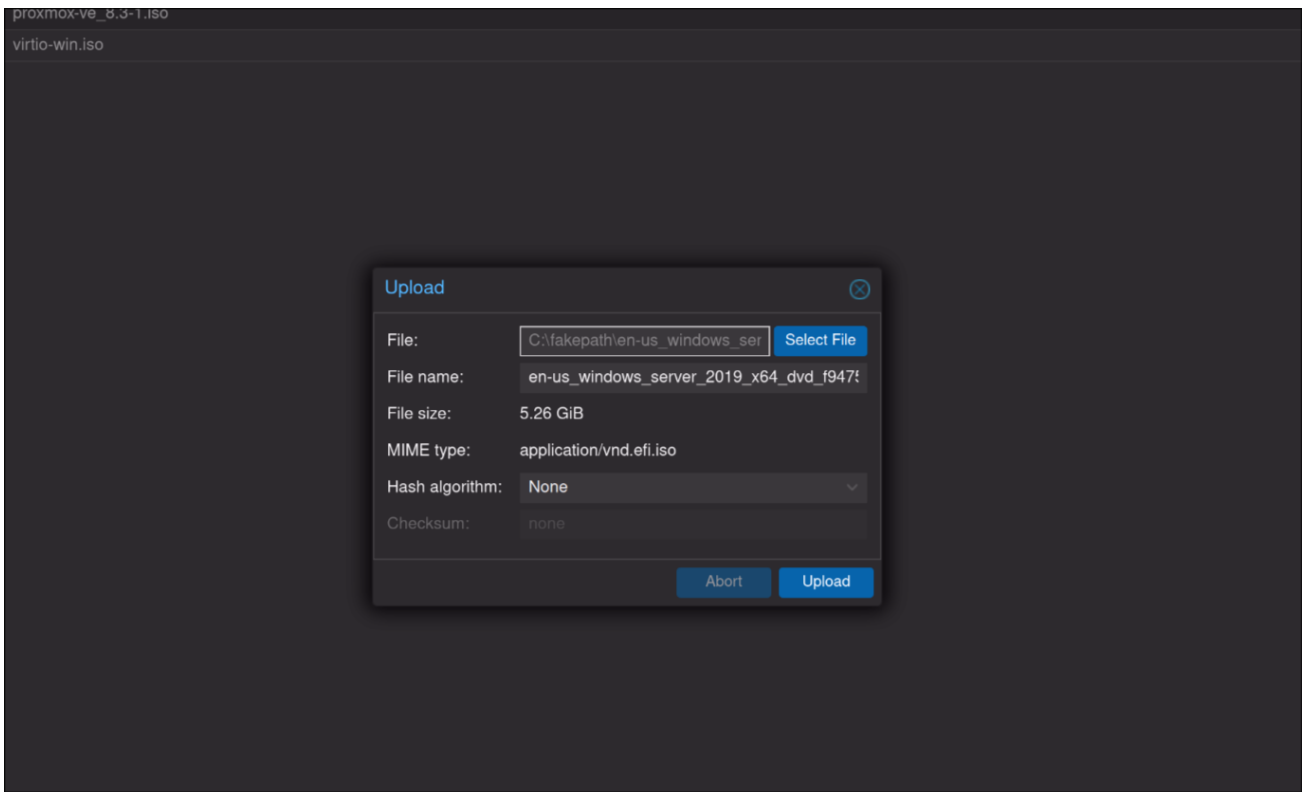
All the options used are for optimal performance and compatibility. I got this information from the official [Proxmox wiki](#). If planning on changing settings or more info is needed would recommend reading it.

Upload the needed ISOs

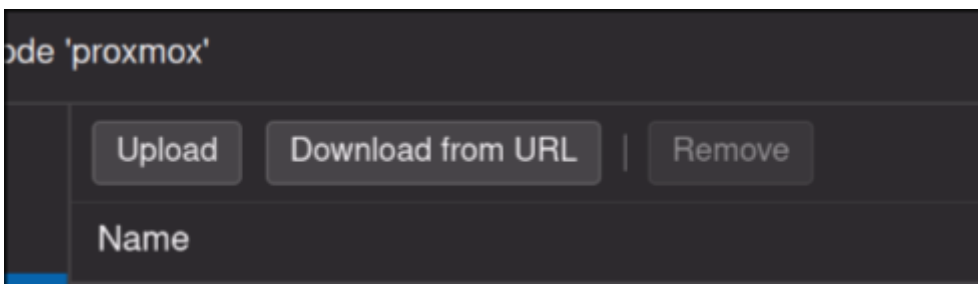
1. Choose the local storage and choose ISO. Then choose to upload your ISO.



2. Browse and pick the ISO you want to upload and wait for it to upload



3. Now choose to **Download from URL**



4. In the URL paste link below and choose **Query URL**. Then choose **Download** and wait for it to finish. These are drivers for windows.

<https://fedorapeople.org/groups/virt/virtio-win/direct-downloads/stable-virtio/virtio-win.iso>

Download from URL

URL: g/groups/virt/virtio-win/direct-downloads/stable-virtio/virtio-win.iso [Query URL](#)

File name: Please (re-)query URL to get meta information

File size: - MIME type: -

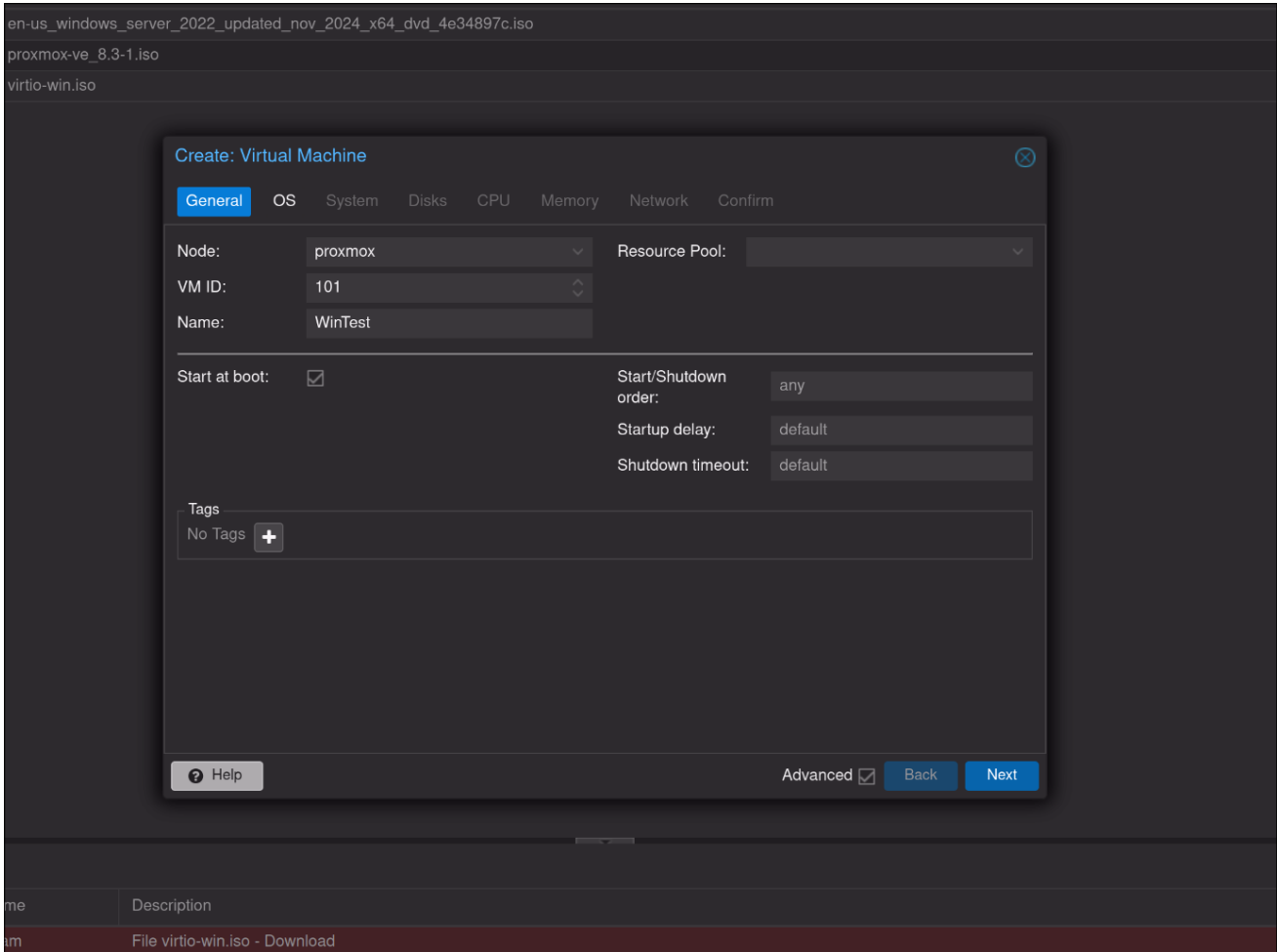
Hash algorithm: None Verify certificates:

Checksum: none Decompression algorithm: None

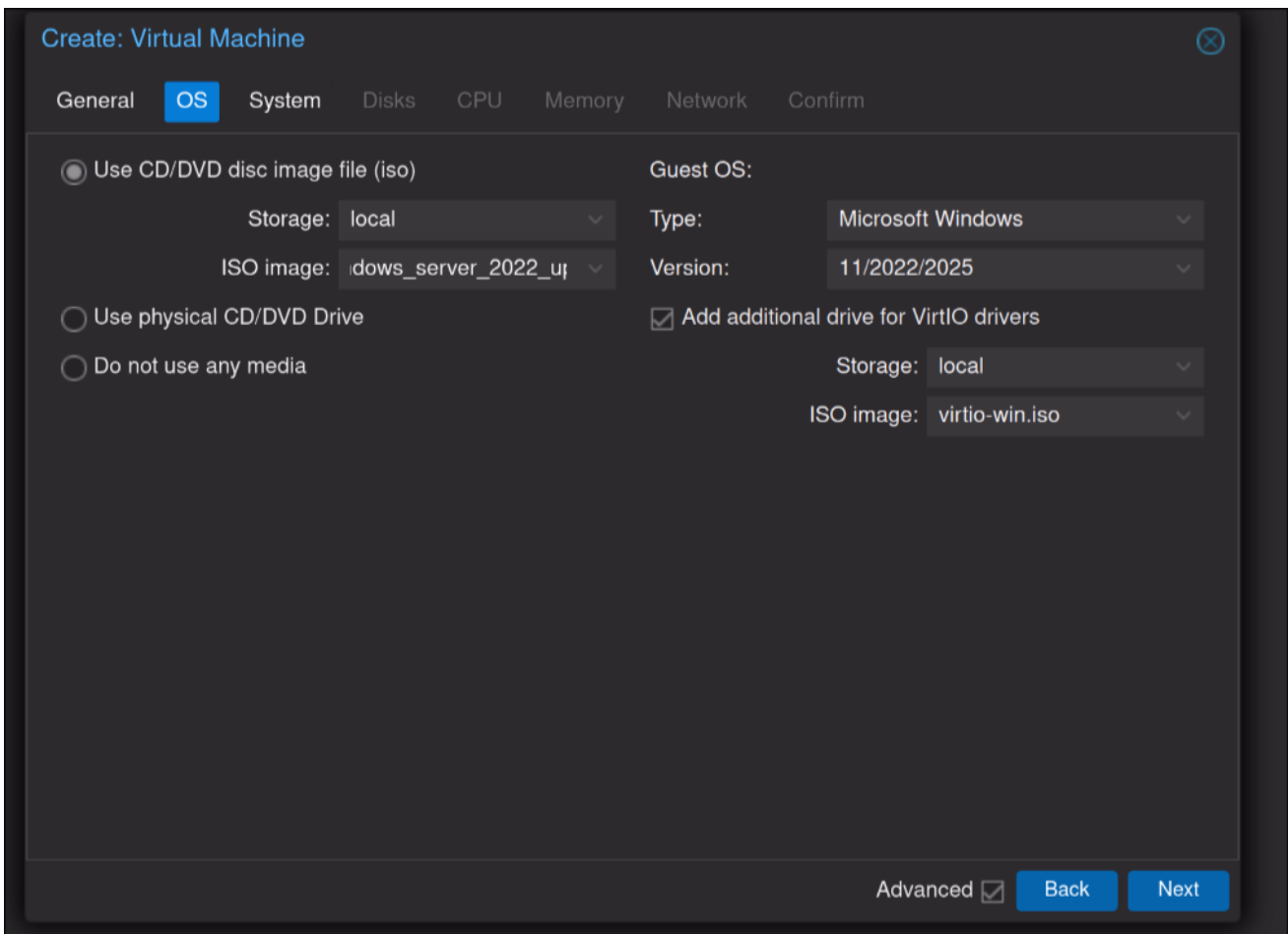
Advanced [Download](#)

Create the Windows VM

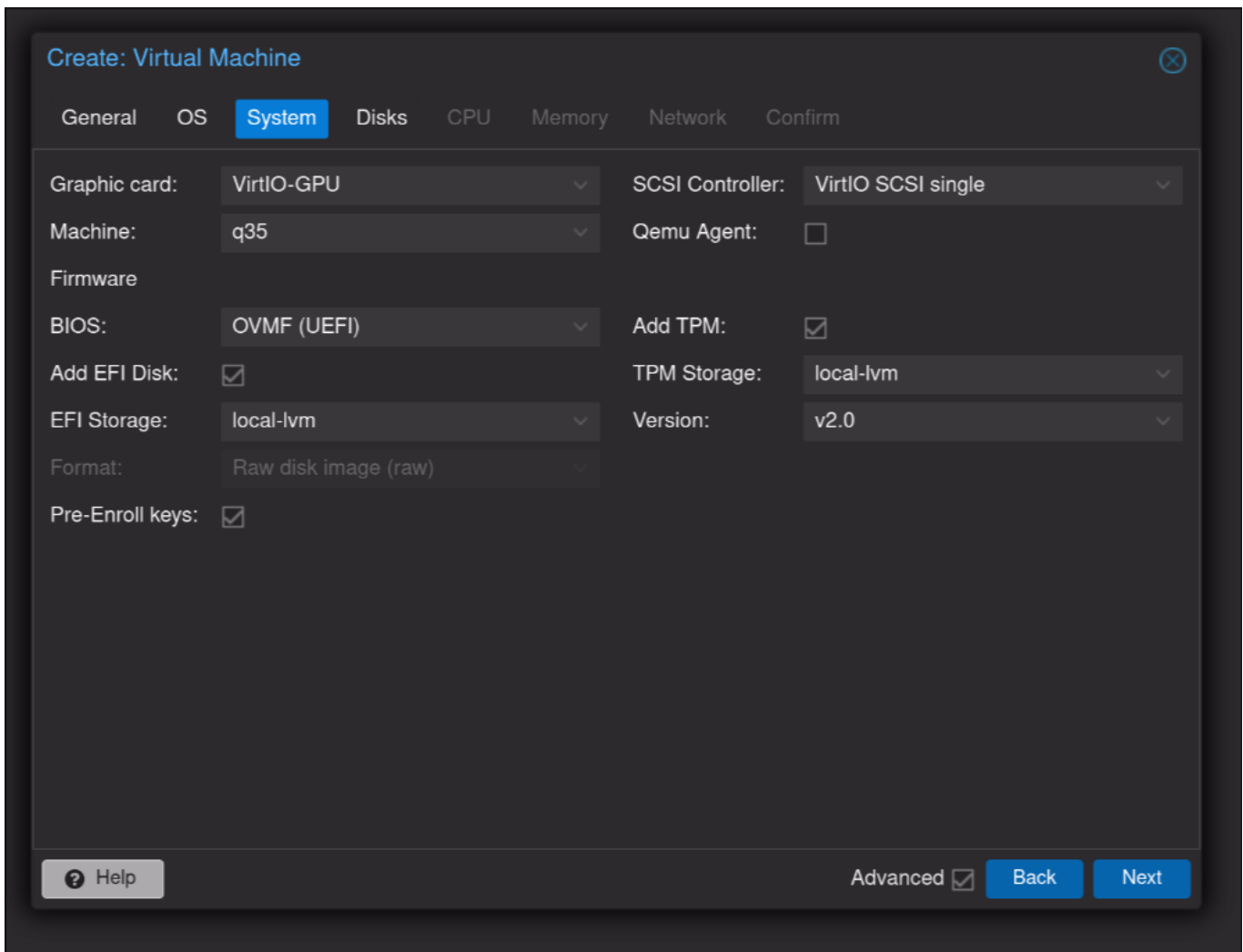
1. Choose Create new VM in the top right. I recommend checking the **Advanced** option and checking **Start on boot**. Click next after the general info is filled out.



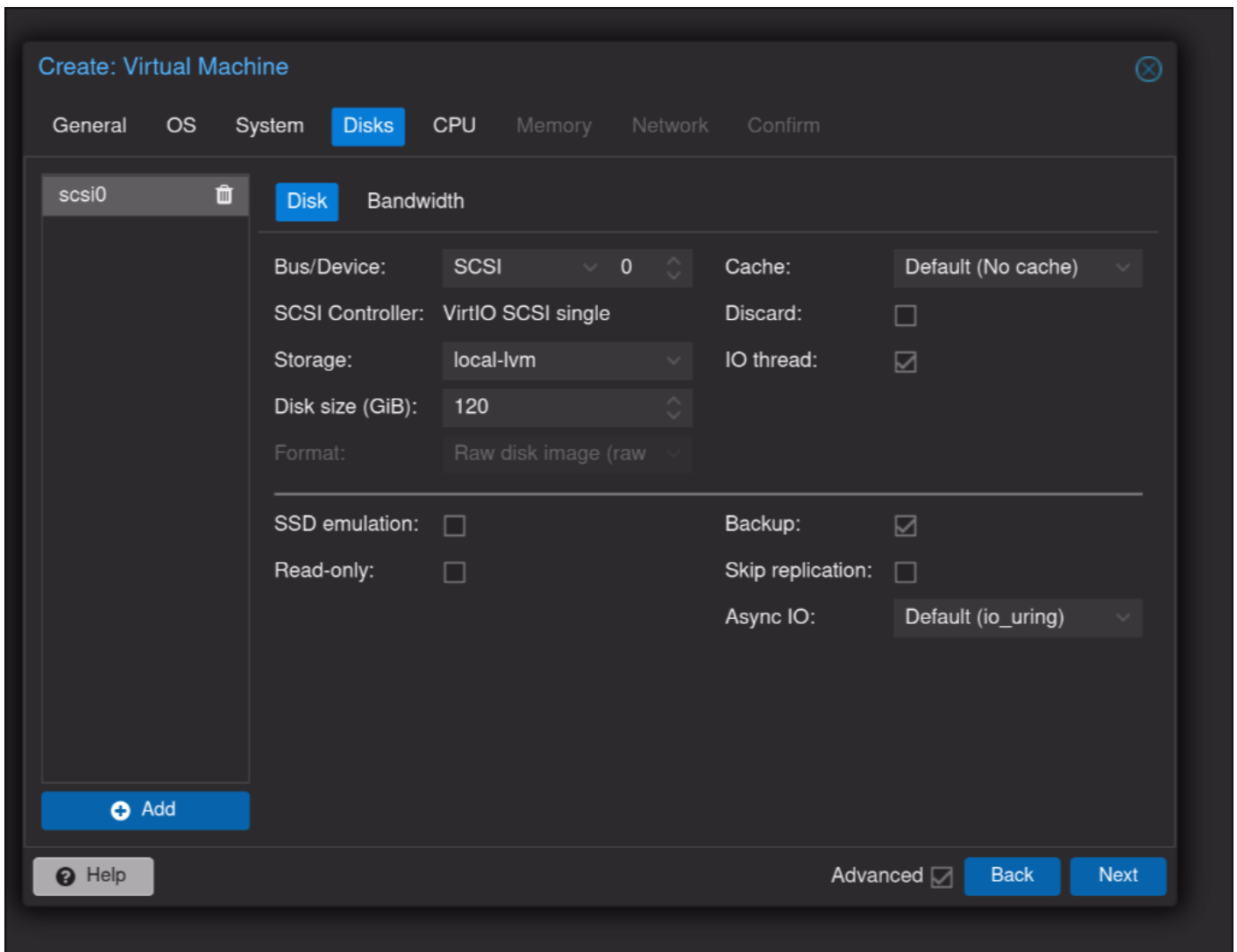
2. Choose the ISO to boot with on the left and change the guest type on the right to match it. Make sure to check the **Add additional drive for VirtIO drivers** and choose the **virtio-win.iso**. Click Next



3. Choose the drives for the EFI and TPM and then make sure the rest of the settings match and click next.



4. Change the Disk Size to the size you need and make sure to check IO thread and make sure the rest matches.



5. Choose the number of cores you will need. The rest of the settings are unchanged.

I recommend choosing **host** for the Type for most installs as a single node VM.

If you plan on needing to use it live migration or using it on multiple nodes I would choose something like x86-64-v2-AES. Documentation and Details [Here](#) under the CPU Type section.

Create: Virtual Machine ✕

General OS System Disks **CPU** Memory Network Confirm

Sockets: 1 Type: host
Cores: 4 Total cores: 4

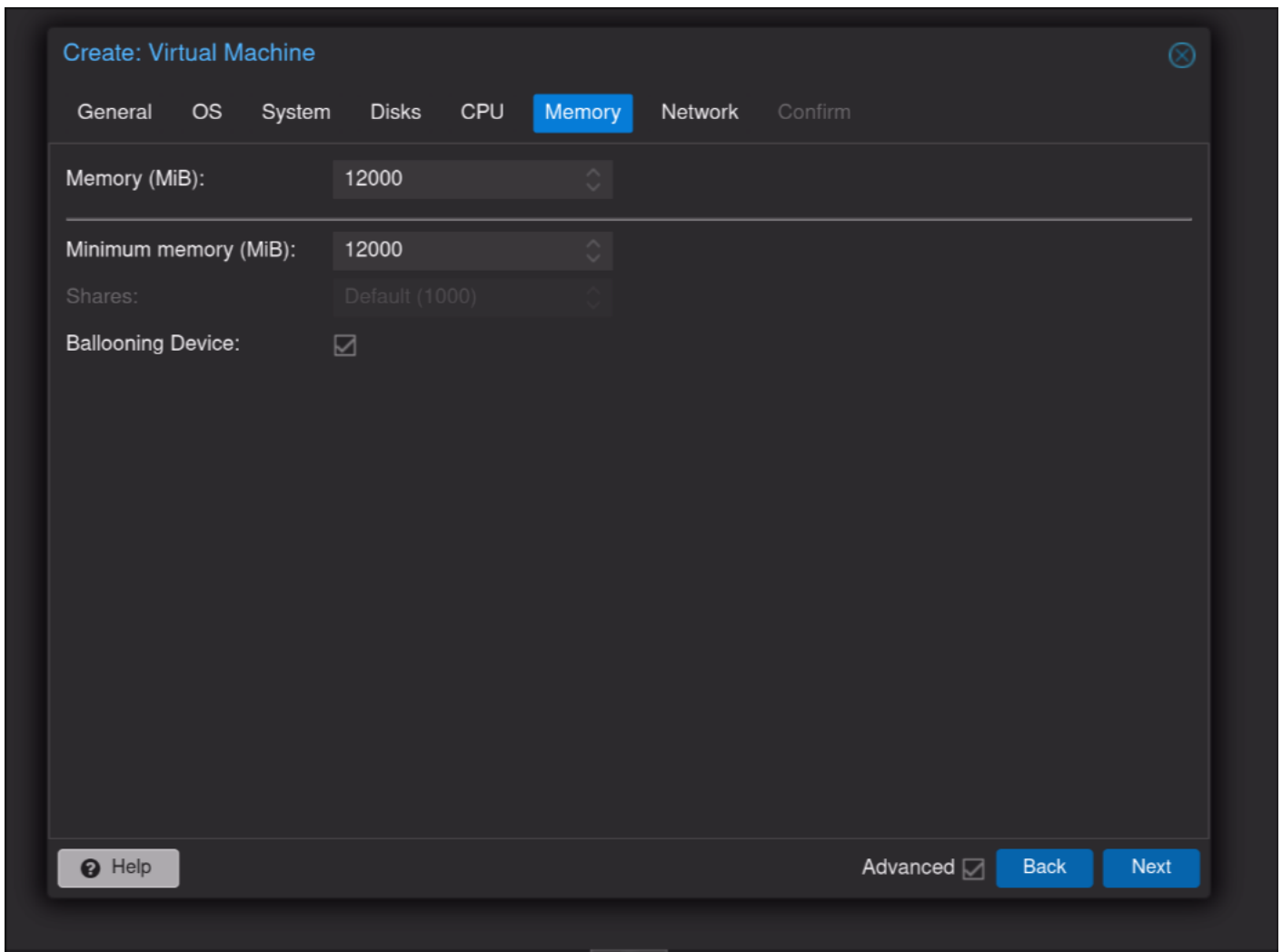
VCPUs: 4 CPU units: 100
CPU limit: unlimited Enable NUMA:
CPU Affinity: All Cores

Extra CPU Flags:

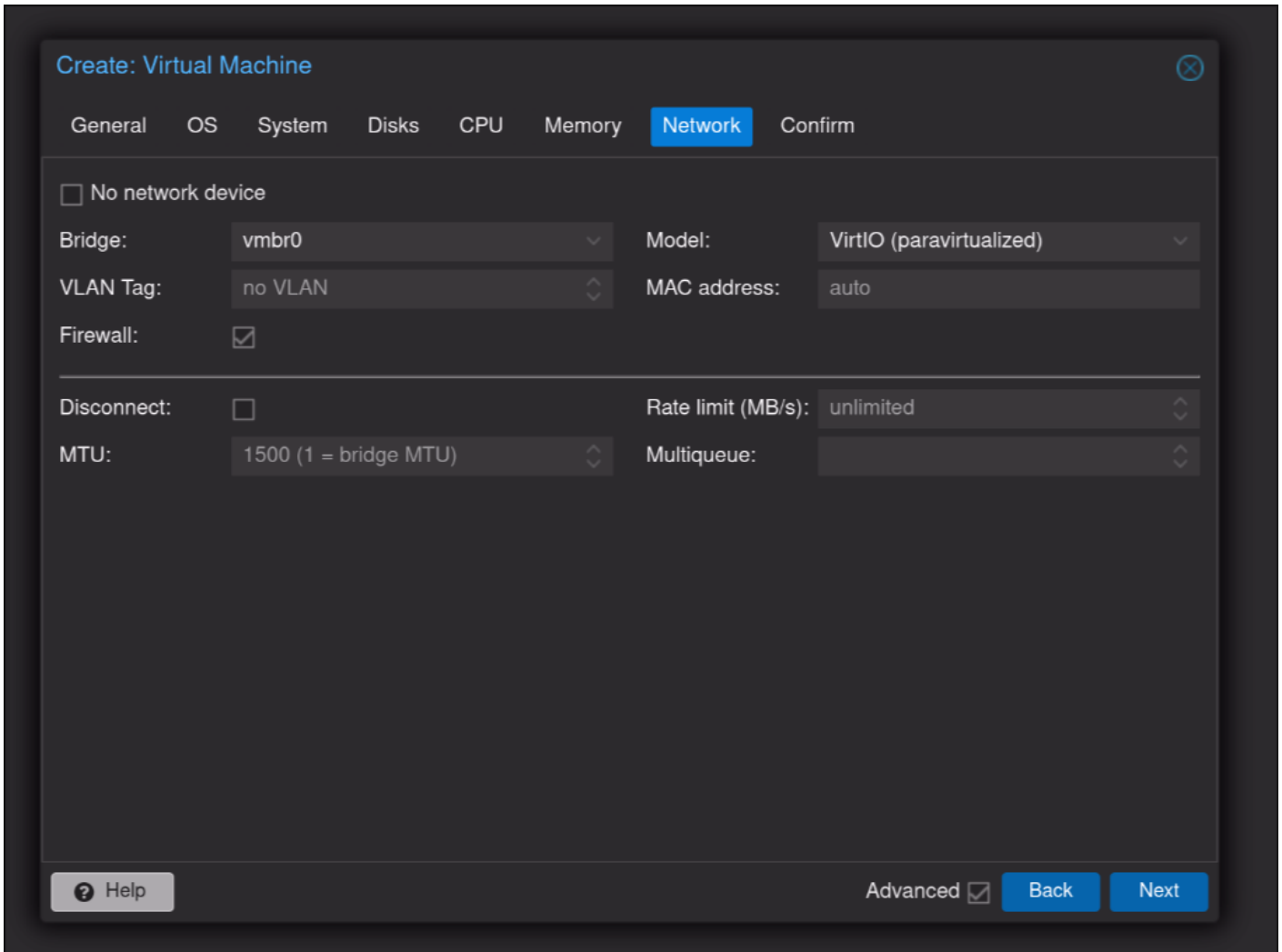
Default	- ○ ○ ○ +	md-clear	Required to let the guest OS know if MDS is mitigated correctly
Default	- ○ ○ ○ +	pcid	Meltdown fix cost reduction on Westmere, Sandy-, and IvyBridge Intel CPUs
Default	- ○ ○ ○ +	spec-ctrl	Allows improved Spectre mitigation with Intel CPUs
Default	- ○ ○ ○ +	ssbd	Protection for "Speculative Store Bypass" for Intel models
Default	- ○ ○ ○ +	ibpb	Allows improved Spectre mitigation with AMD CPUs
Default	- ○ ○ ○ +	virt-ssbd	Basis for "Speculative Store Bypass" protection for AMD models

Help Advanced Back Next

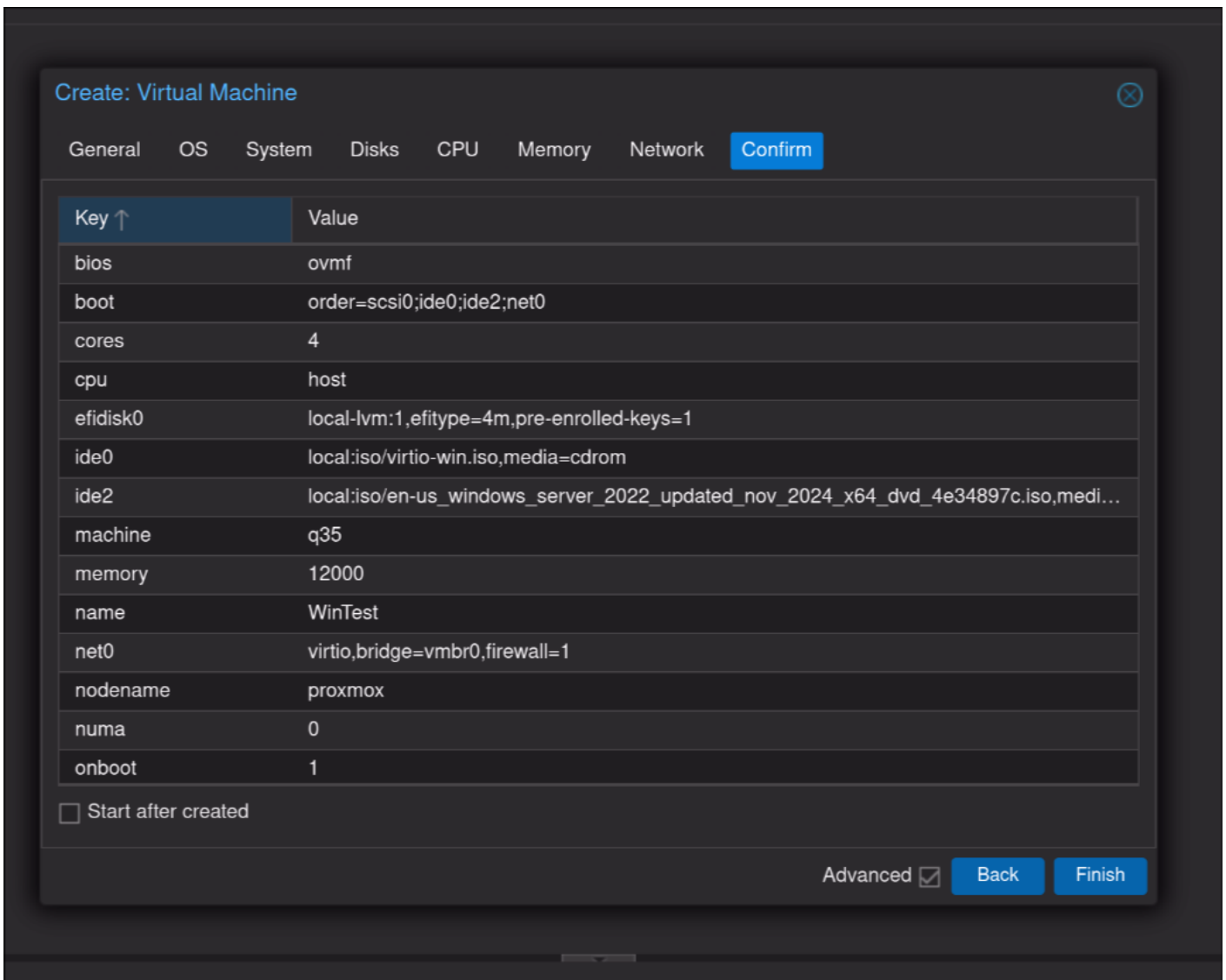
6. Choose Memory



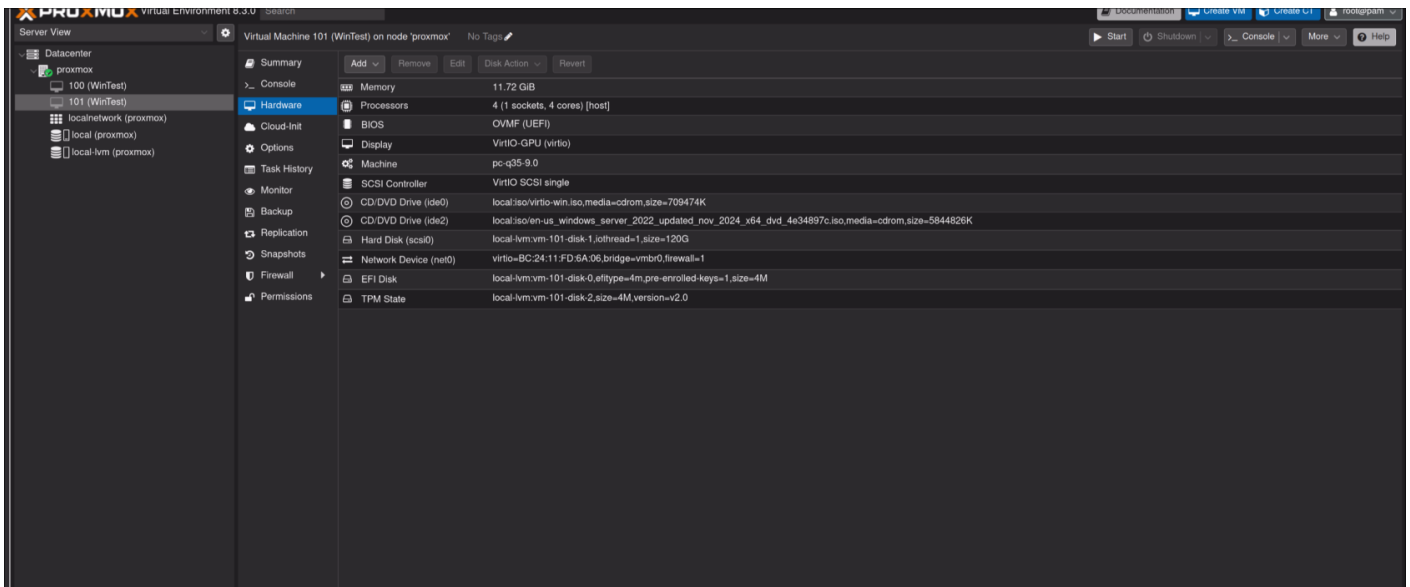
7. Pick a network interface and VirtIO as the model



8. Finish

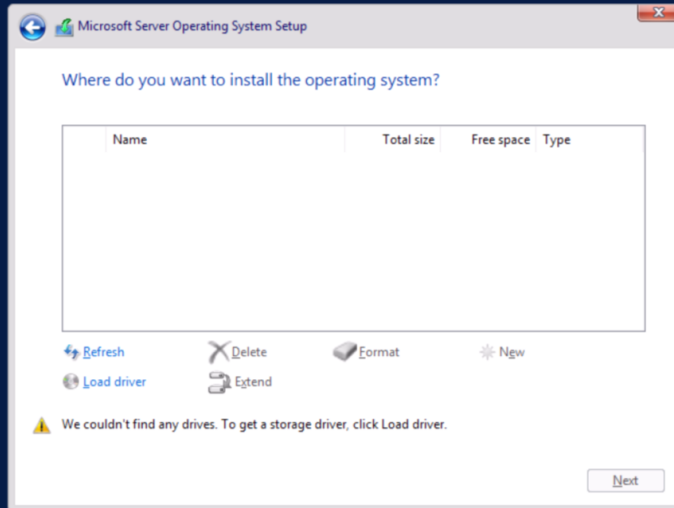


9. Choose the VM in the left and then Click the little arrow next to console and choose NoVNC to see the VM



10. Start the VM. If it does not load the windows boot media hard restart the VM and spam the Enter key until it boots to windows.

11. Follow through with the standard windows install. When you choose a disk make sure to choose **Load Driver** and then press OK. Any of the options should work. You can now pick the drive.





Microsoft Server Operating System Setup



Select the driver to install

Load driver



To install the device driver for your drive, insert the installation media containing the driver files, and then click OK.

Note: The installation media can be a CD, DVD, or USB flash drive.

Browse

OK

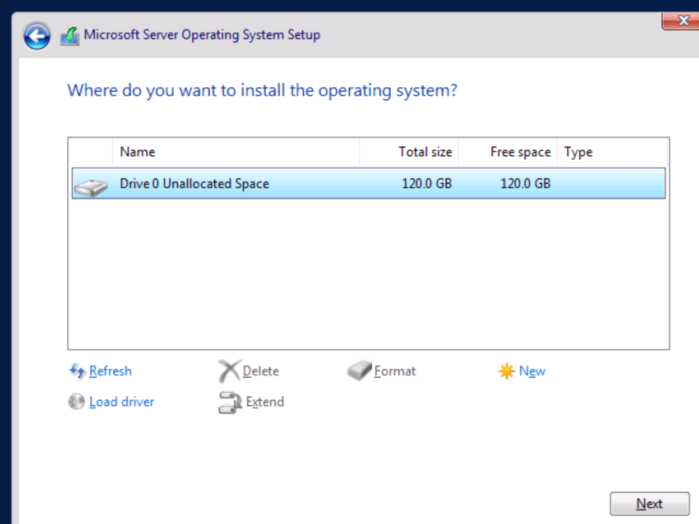
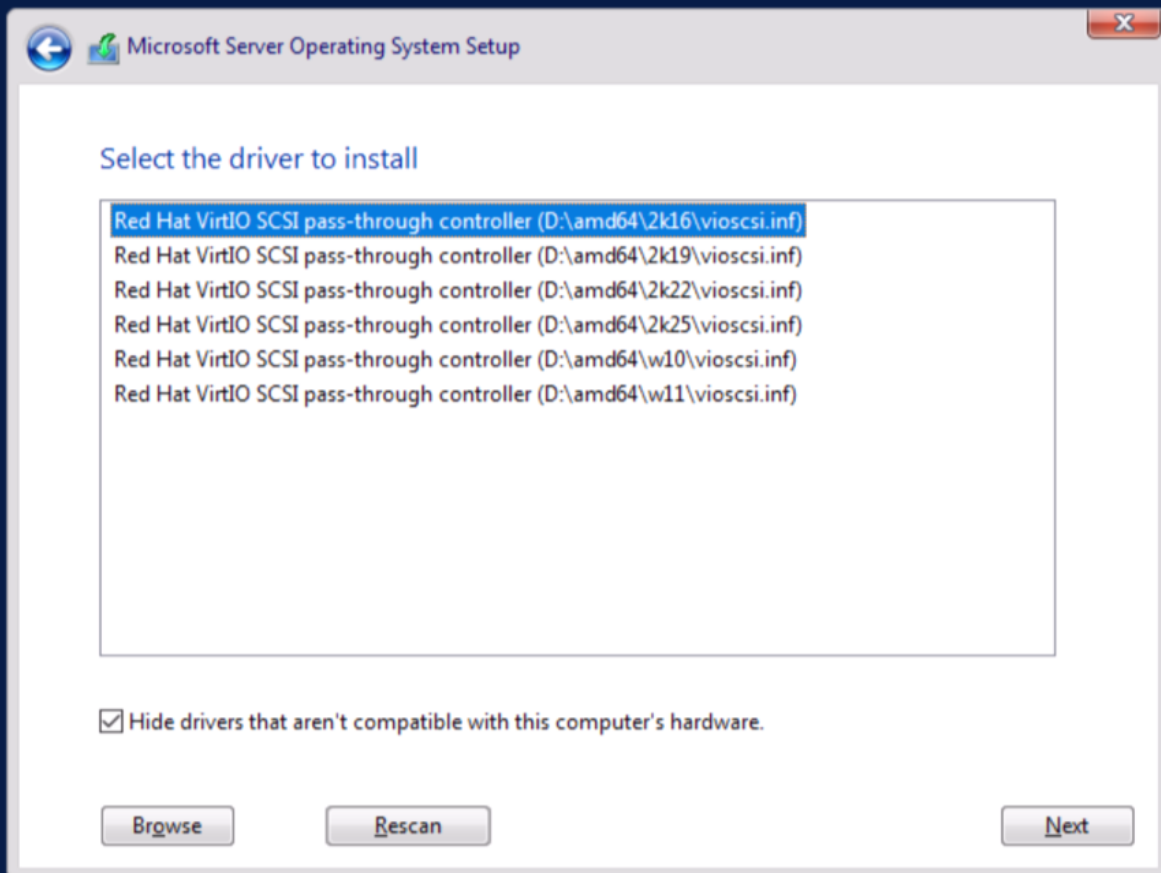
Cancel

Hide drivers that aren't compatible with this computer's hardware.

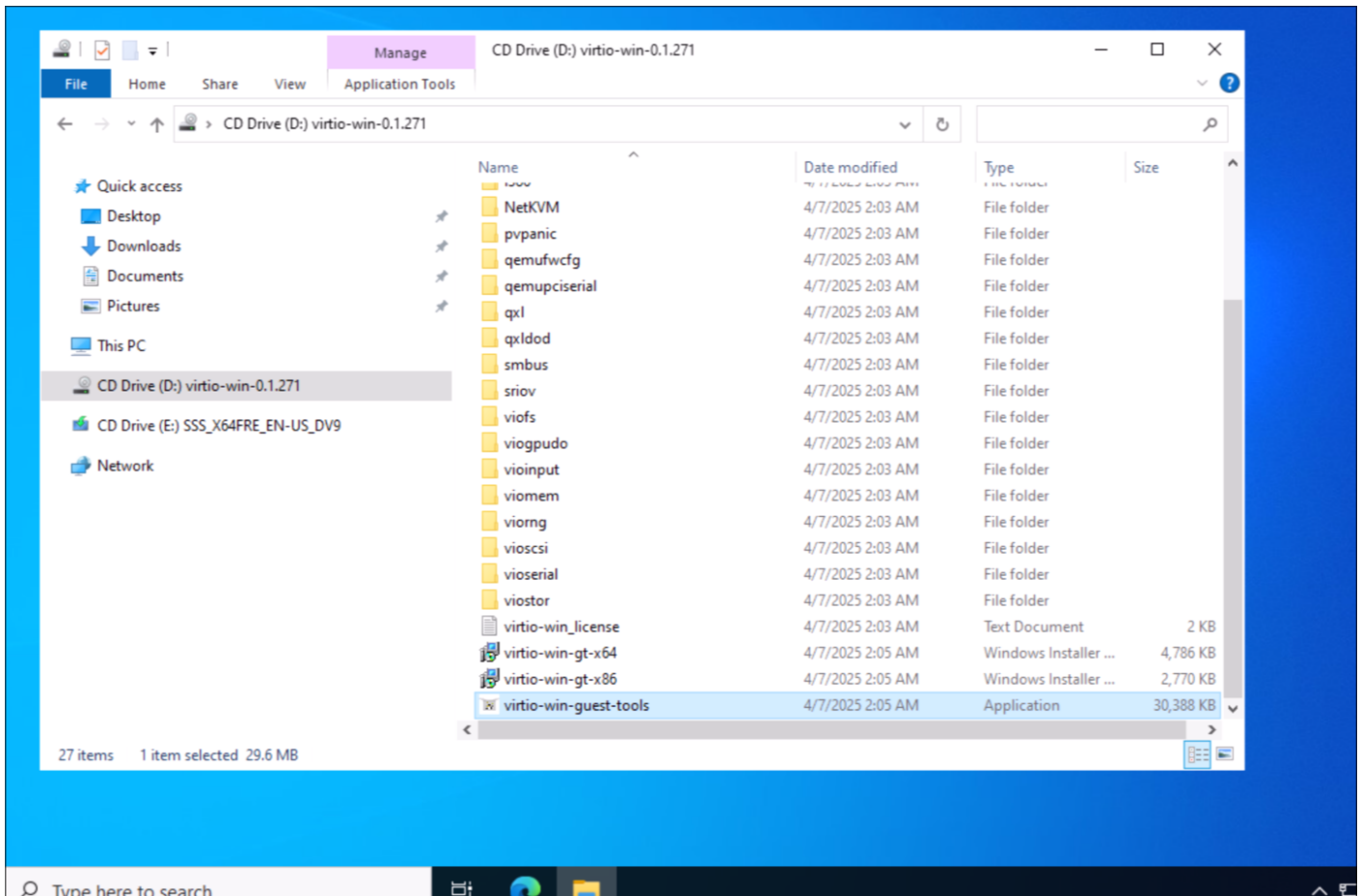
Browse

Rescan

Next



12. Continue with the windows install. After logging in go to the VirtIO Drive and run the **virtio-win-guest-tools**. Click next through all the dialogue. Restart after finishing



Revision #4

Created 2025-04-08 21:06:50 UTC by poslop

Updated 2025-04-09 14:46:59 UTC by poslop