

# Installing Pop!\_OS (NVIDIA Edition) in Proxmox

**Date:** June 1st, 2025

**Category:** Virtualization / VM Guest OS Configuration

**Backlink:** [Installing Proxmox VE 8.2 on a Standalone GPU Passthrough Server](#)

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## Goal

Install **Pop!\_OS 22.04 LTS (NVIDIA ISO)** as a Proxmox VM with a **passed-through RTX 2070 Super GPU**, ensuring full graphics acceleration and NVIDIA driver functionality.

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## Step 1: Download the Pop!\_OS NVIDIA ISO

Download directly to Proxmox or to your workstation:

[Pop!\\_OS 22.04 LTS NVIDIA ISO](#)

### Option 1: Upload via Proxmox GUI

- Go to `Datacenter > local (proxmox89) > ISO Images`
- Click **Upload** and choose the ISO file from your computer

### Option 2: Download from URL

- In `ISO Images`, click **\*\*Download from URL**

- Paste the ISO link above and click **Query URL**
- Confirm filename and click **Download**

The ISO will appear in the list once it's downloaded.

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# Step 2: Create the Pop!\_OS VM

## General Tab

- Node: proxmox89
- VM ID: 100 (or next available)
- Name: POP\_OS\_NVIDIA
- Start at boot

## OS Tab

- Use ISO: pop-os\_22.04\_amd64\_nvidia\_53.iso

## System Tab

- BIOS: OVMF (UEFI)
- Machine: q35
- Add EFI Disk
- Pre-Enrolled Keys (disable Secure Boot)
- SCSI Controller: VirtIO SCSI single
- QEMU Agent
- Graphic Card: Default (or change to None later for passthrough)

## Disks Tab

- Bus: SCSI
- Storage: Inland512
- Size: 200 GiB
- IO thread

## CPU Tab

- Sockets: 1
- Cores: 6-8
- Type: host

## Memory Tab

- Size: 16384 MiB

## Network Tab

- Bridge: vmbr0
- Model: VirtIO (paravirtualized)
- Firewall (optional)

Click **Finish** to create the VM.

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## Step 3: Attach GPU (Passthrough)

1. Stop the VM.
  2. Go to Hardware > Add > PCI Device
  3. Select both:
    - 01:00.0 NVIDIA VGA Controller
    - 01:00.1 NVIDIA HD Audio
  4. Enable:
    - All Functions
    - Primary GPU
    - ROM-Bar
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## Step 4: Boot and Install Pop!\_OS

- Start the VM
  - If passthrough is correct, output will show on monitor connected to GPU
  - Use "Erase Disk and Install"
  - Set username and password
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