**<https://github.com/ollama/ollama/blob/main/docs/linux.md>**

**Date: 20/5/2024, Ollama version 0.1.38**

**Ollama on Linux**

**Install**

Install Ollama running this one-liner:

curl -fsSL https://ollama.com/install.sh | sh

**AMD Radeon GPU support**

While AMD has contributed the amdgpu driver upstream to the official linux kernel source, the version is older and may not support all ROCm features. We recommend you install the latest driver from <https://www.amd.com/en/support/linux-drivers> for best support of your Radeon GPU.

**Manual install**

**Download the ollama binary**

Ollama is distributed as a self-contained binary. Download it to a directory in your PATH:

sudo curl -L https://ollama.com/download/ollama-linux-amd64 -o /usr/bin/ollama

sudo chmod +x /usr/bin/ollama

**Adding Ollama as a startup service (recommended)**

Create a user for Ollama:

sudo useradd -r -s /bin/false -m -d /usr/share/ollama ollama

Create a service file in /etc/systemd/system/ollama.service:

[Unit]

Description=Ollama Service

After=network-online.target

[Service]

ExecStart=/usr/bin/ollama serve

User=ollama

Group=ollama

Restart=always

RestartSec=3

[Install]

WantedBy=default.target

Then start the service:

sudo systemctl daemon-reload

sudo systemctl enable ollama

**Install CUDA drivers (optional – for Nvidia GPUs)**

[Download and install](https://developer.nvidia.com/cuda-downloads) CUDA.

Verify that the drivers are installed by running the following command, which should print details about your GPU:

nvidia-smi

**Install ROCm (optional - for Radeon GPUs)**

[Download and Install](https://rocm.docs.amd.com/projects/install-on-linux/en/latest/tutorial/quick-start.html)

Make sure to install ROCm v6

**Start Ollama**

Start Ollama using systemd:

sudo systemctl start ollama

**Update**

Update ollama by running the install script again:

curl -fsSL https://ollama.com/install.sh | sh

Or by downloading the ollama binary:

sudo curl -L https://ollama.com/download/ollama-linux-amd64 -o /usr/bin/ollama

sudo chmod +x /usr/bin/ollama

**Viewing logs**

To view logs of Ollama running as a startup service, run:

journalctl -e -u ollama

**Uninstall**

Remove the ollama service:

sudo systemctl stop ollama

sudo systemctl disable ollama

sudo rm /etc/systemd/system/ollama.service

Remove the ollama binary from your bin directory (either /usr/local/bin, /usr/bin, or /bin):

sudo rm $(which ollama)

Remove the downloaded models and Ollama service user and group:

sudo rm -r /usr/share/ollama

sudo userdel ollama

sudo groupdel ollama