

How to Install KVM on Ubuntu 20.04 ?

KVM, (kernel-based Virtual Machine) is a free and opensource virtualization platform for the Linux kernel. When installed on a Linux system, it becomes a Type-2 hypervisor.

Step 1: Check Virtualization Support in Ubuntu

To check whether the Ubuntu system supports virtualization, run the following command.

```
$ egrep -c '(vmx|svm)' /proc/cpuinfo
```

To check if your system supports KVM virtualization execute the command:

```
$ sudo apt install cpu-checker
$ sudo kvm-ok
```

Step 2: Install KVM on Ubuntu 20.04 LTS

To install KVM, **virt-manager**, **bridge-utils** and other dependencies, run the command:

```
$ sudo apt install -y qemu qemu-kvm libvirt-daemon libvirt-clients bridge-
utils virt-manager
$ sudo usermod -aG libvirt $USER
$ sudo systemctl status libvirtd
$ sudo systemctl enable --now libvirtd
$ lsmod | grep -i kvm
```

Step 3: Creating a Virtual Machine in Ubuntu

```
sudo virt-install --name=deepin-vm --os-variant=Debian10 --vcpu=2 --
ram=2048 --graphics spice --location=/home/Downloads/deepin-20Beta-desktop-
amd64.iso --network bridge:vibr0
```