https://linuxize.com/post/how-to-install-kvm-on-ubuntu-18-04/

### **Step 1: Verify processor support for hardware virtualization**

grep -Eoc '(vmx|svm)' /proc/cpuinfo

Use the below command to install cpu-checker utility.

sudo apt update

sudo apt install cpu-checker

Once installed, run **kvm-ok**:

kvm-ok

### 

### **Step 2: Install KVM**

sudo apt install qemu-kvm libvirt-bin bridge-utils virtinst virt-manager

Once the packages are installed, the libvirt daemon will start automatically. You can verify it by running:

sudo systemctl is-active libvirtd

To be able to create and manage virtual machines, you’ll need to [add your user](https://linuxize.com/post/how-to-add-user-to-group-in-linux/) to the “libvirt” and “kvm” groups. To do that, type in:

sudo usermod -aG libvirt $USER

sudo usermod -aG kvm $USER

Run the brctl tool to list the current bridges and the interfaces they are connected to:

brctl show

## **Creating Virtual Machines**

Now that KVM is installed on your Ubuntu desktop, let’s create the first VM. This can be done either from the command-line or using the virt-manager application.

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