# Ex No : 10 Implementation of KVM as a virtual machine

# Date :

# 

**Aim :**

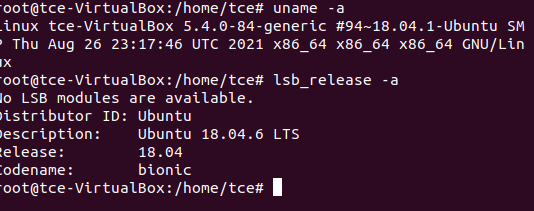
To run OS on top of KVM (Kernel-based Virtual Machine) virtual Machine manager.

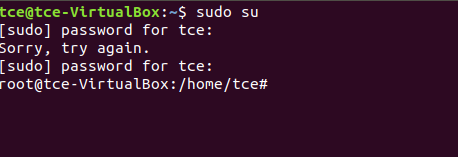
**Procedure :**

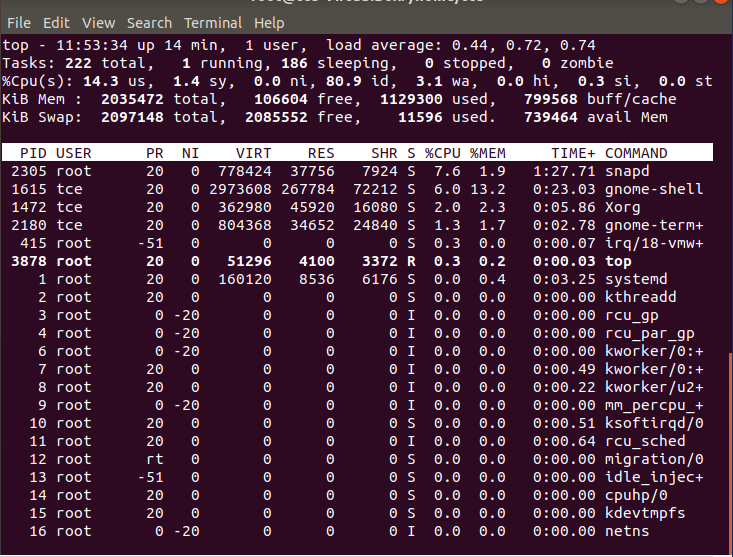
* KVM can only runs on Linux OS. If you don’t have Linux OS install VMs like VMWhare and install Linux on top VMWhare
* Once that is done, we have to install KVM by following the bellow code(We have to be root user for perfoming following actions)
* Searching Package in Repository – apt -cache search qemu-kvm
* Installing Package from Repository - apt -get install qemu-kvm
* Opening libvrtd.conf file to change configurations by typing nano /etc/libvirt/libvirtd.conf
* Once it is opened in nano text editor
* Replace with the following code
* listen\_addr = "0.0.0.0"
* unix\_sock\_group = "libvirt"
* unix\_sock\_ro\_perms = "0777"
* unix\_sock\_rw\_perms = "0777"
* unix\_sock\_dir = "/var/run/libvirt"
* auth\_unix\_ro = "none"
* auth\_unix\_rw = "none"
* Virsh list - Displays no of Virtual machine running
* Importing existing VM
* Selecting OS to import into VM

**Output :**

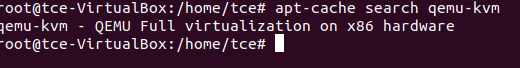


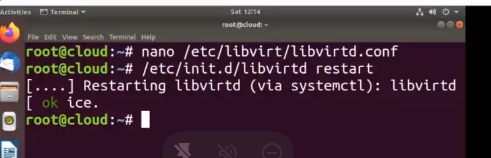


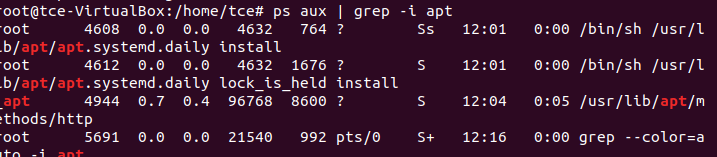


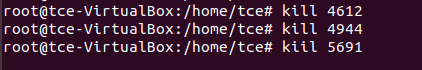


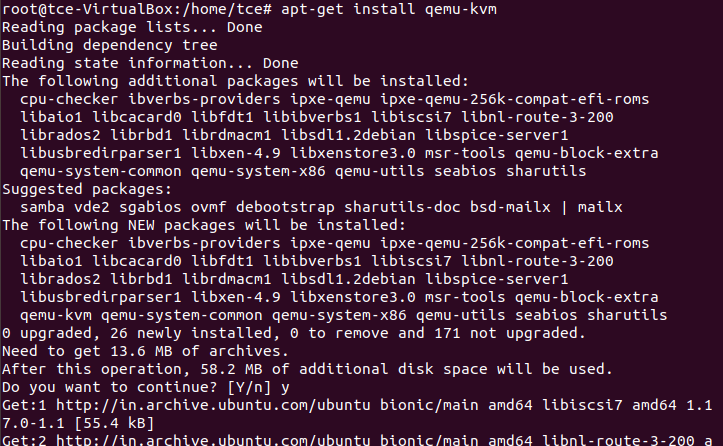


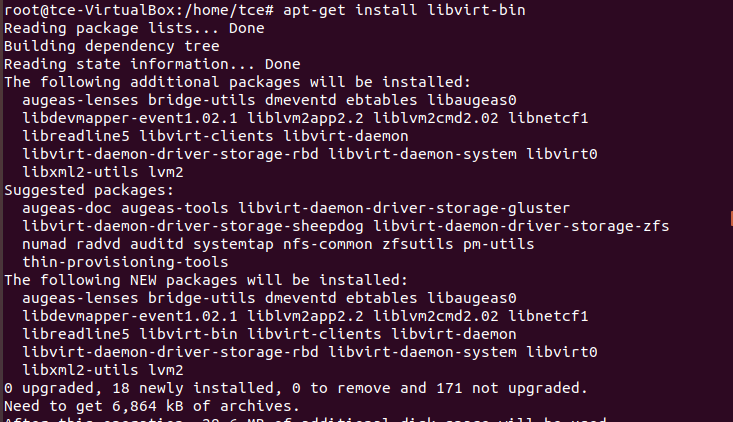


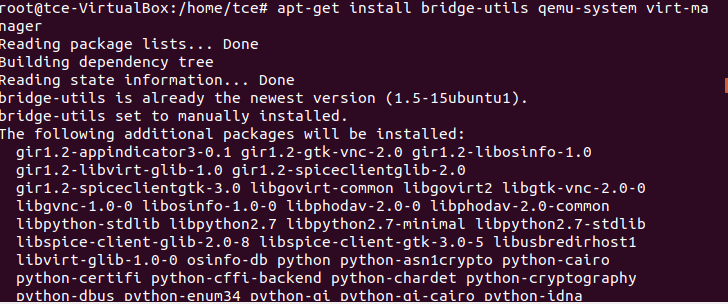


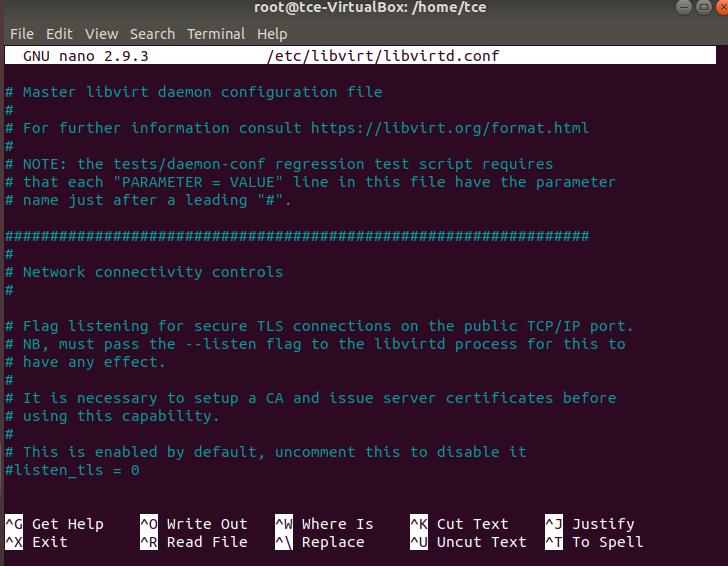


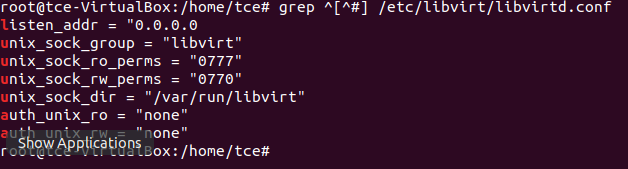


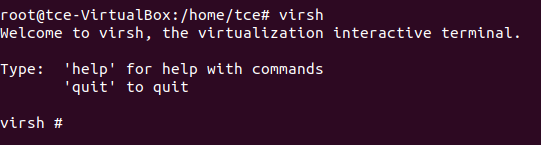


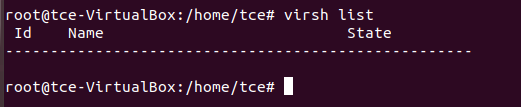


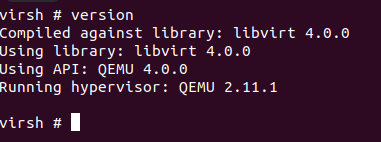


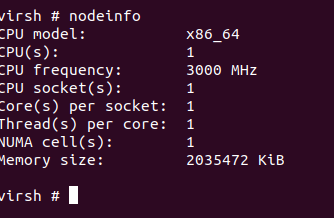


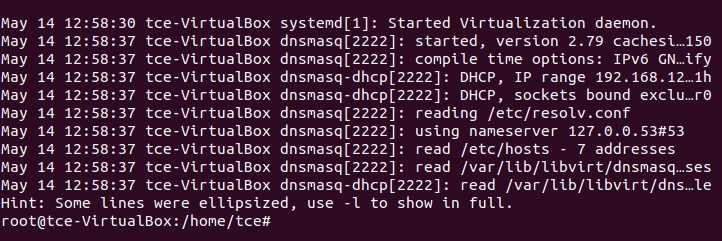


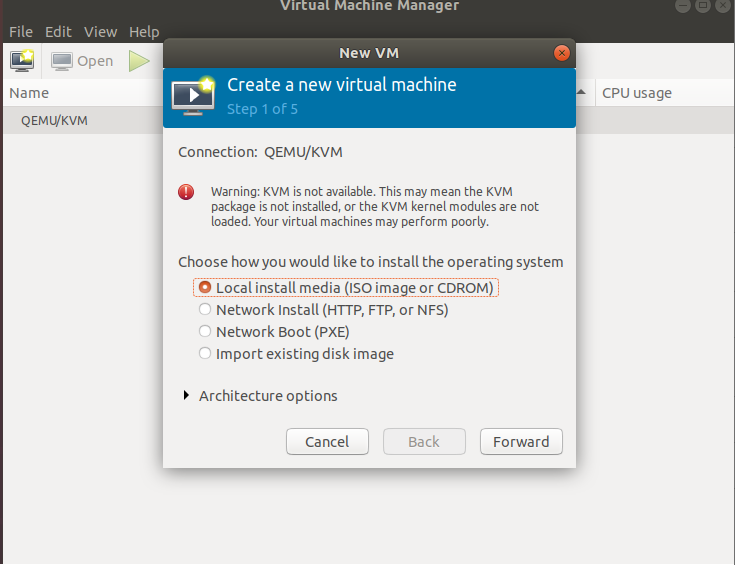


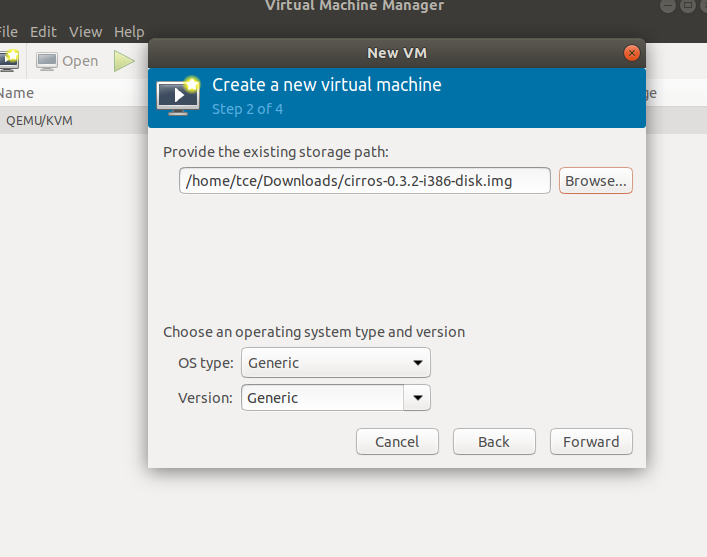


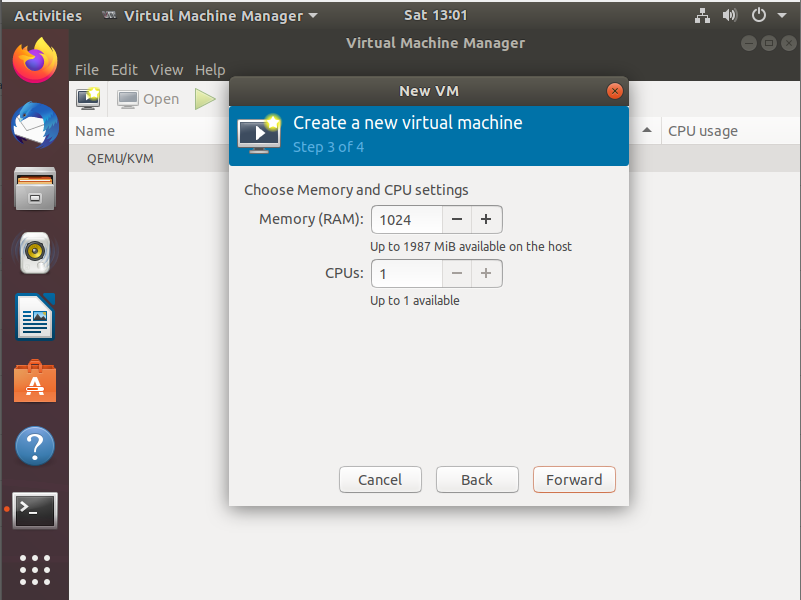


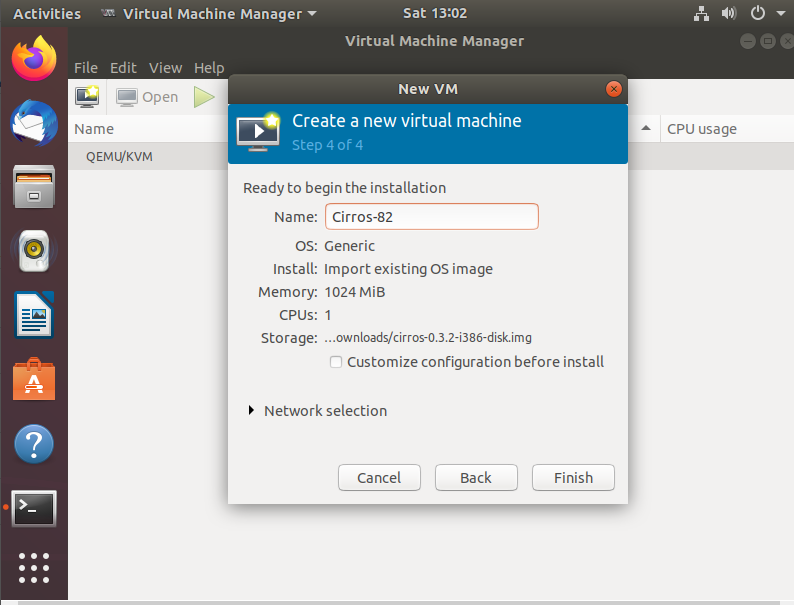


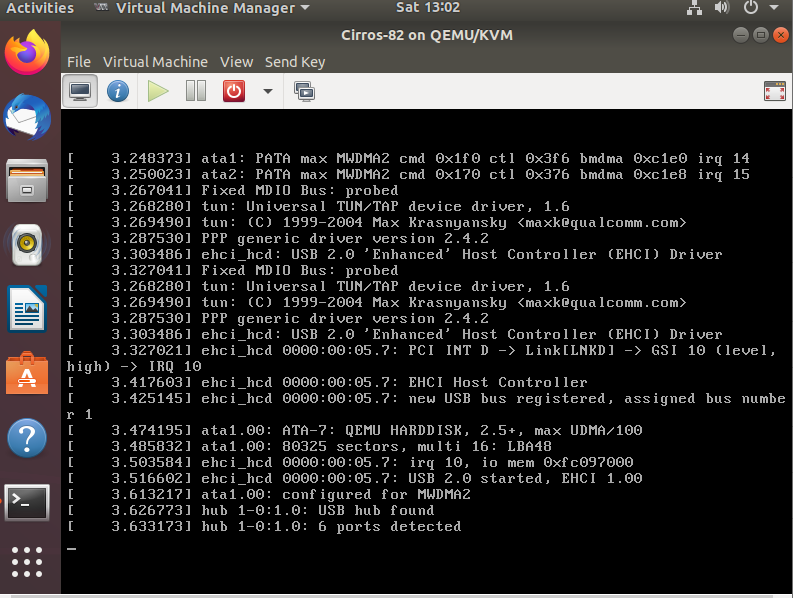


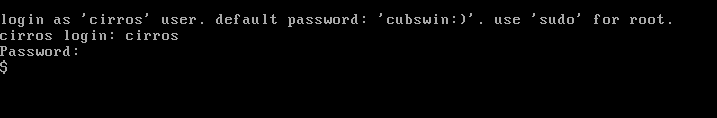


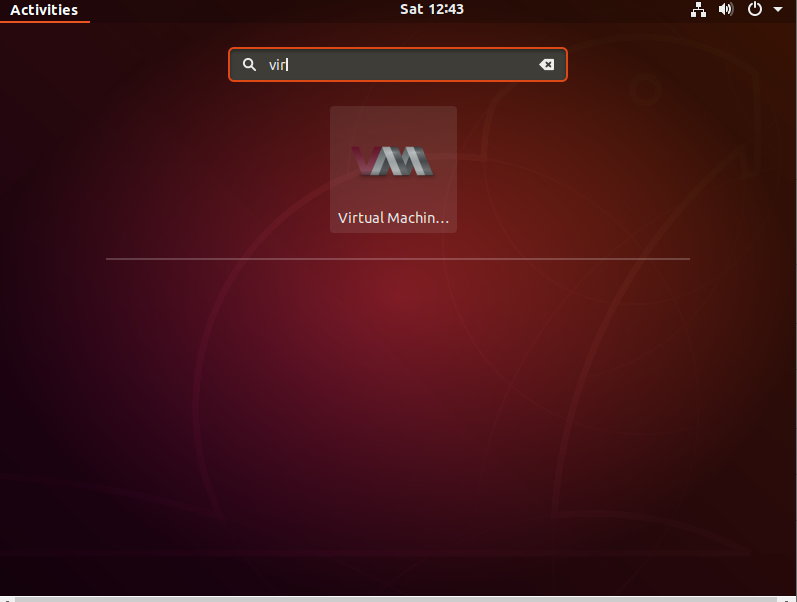


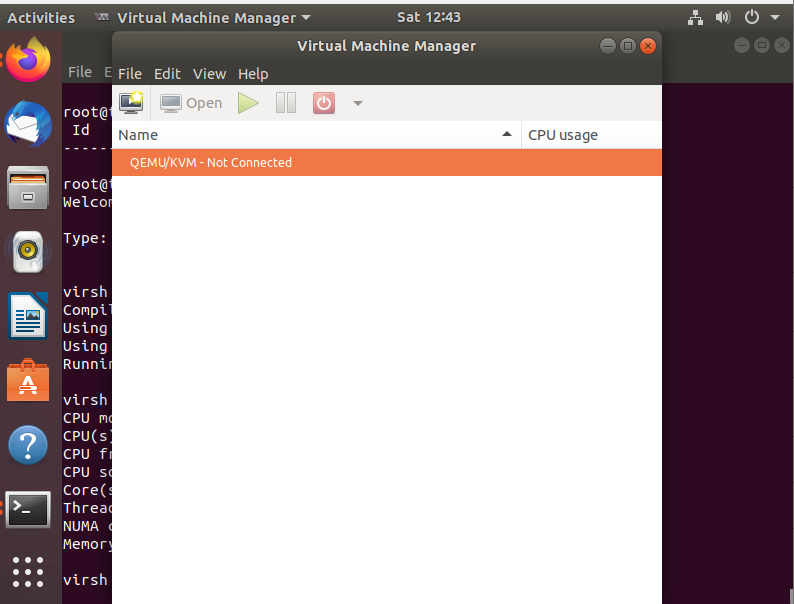












**Result:**

Thus, the implementation of KVM along with its operating System on top is executed.