

## NETWORKING & SYSTEM ADMINISTRATION LAB

### Experiment No.: 9

#### Aim

KVM Installation.

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Batch: B

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### Procedure

#### Step 1: Update the repositories

```
mca@U41:~$ sudo apt update
[sudo] password for mca:
Get:1 http://packages.microsoft.com/repos/code stable InRelease [10.4 kB]
Get:2 https://dl.google.com/linux/chrome/deb stable InRelease [1,811 B]
Hit:3 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:4 http://packages.microsoft.com/repos/code stable/main armhf Packages [90.1 kB]
Get:5 http://packages.microsoft.com/repos/code stable/main arm64 Packages [90.3 kB]
Get:6 http://packages.microsoft.com/repos/code stable/main amd64 Packages [89.3 kB]
Get:7 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,101 B]
Hit:8 http://ppa.launchpad.net/codeblocks-devs/release/ubuntu bionic InRelease
Err:9 http://ppa.launchpad.net/jonathonf/python-3.6/ubuntu bionic InRelease
403 Forbidden [IP: 185.125.190.52 80]
Hit:10 http://ppa.launchpad.net/pasgui/ppa/ubuntu bionic InRelease
Hit:11 http://ppa.launchpad.net/webupd8team/java/ubuntu bionic InRelease
```

#### Step 2: Install essential KVM packages

Install virt-manager, a tool for creating and managing VMs

```
mca@U40:~$ sudo apt install qemu-kvm libvirt-daemon-system libvirt-clients bridge-utils virt-manager
Reading package lists... Done
Building dependency tree
Reading state information... Done
qemu-kvm is already the newest version (1:2.11+dfsg-1ubuntu7.4).
The following additional packages will be installed:
  Augeas-lenses dmideventd ebttables gir1.2-appindicator3-0.1 gir1.2-gtk-vnc-2.0
  gir1.2-libosinfo-1.0 gir1.2-libvirt-glib-1.0 gir1.2-spiceclient-glib-2.0
  gir1.2-spiceclient-gtk-3.0 libaugeas0 libdevmapper-event1.02.1
  libgovirt-common libgovirt2 libgtk-vnc-2.0-0 libgvnc-1.0-0 liblvm2app2.2
  liblvm2cmd2.02 libnetcf1 libosinfo-1.0-0 libphodav-2.0-0
  libphodav-2.0-common libspice-client-glib-2.0-8 libspice-client-gtk-3.0-5
  libusbredirhost1 libvirt-daemon libvirt-daemon-driver-storage-rbd
  libvirt-glib-1.0-0 libvirt0 libxml2-utils lvm2 osinfo-db python-asn1crypto
  python-certifi python-cffi-backend python-chardet python-cryptography
  python-dbus python-enum34 python-gi python-gi-cairo python-idna
  python-ipaddr python-ipaddress python-libvirt python-libxml2 python-openssl
  python-pkg-resources python-requests python-six python-urllib3
  spice-client-glib-usb-acl-helper virt-viewer virtinst
Suggested packages:
  Augeas-doc Augeas-tools libosinfo-l10n gstreamer1.0-plugins-bad
  gstreamer1.0-libav libvirt-daemon-driver-storage-gluster
  libvirt-daemon-driver-storage-sheepdog libvirt-daemon-driver-storage-zfs
```

#### Step 3: Start virt-manager with

```
mca@U41:~$ sudo virt-manager
mca@U41:~$
```