Ex No: 1 a

Date:

INSTALLATION AND CONFIGURATION OF LINUX

Aim:

To install and configure Linux operating system in a Virtual Machine.

Installation/Configuration Steps:

1. Install the required packages for virtualization

   dnf install xen virt-manager qemu libvirt

2. Configure xend to start up on boot **systemctl enable virt-manager.service**

3. Reboot the machine
   Reboot

4. Create Virtual machine by first running virt-manager **virt-manager &**

5. Click on File and then click to connect to localhost

6. In the base menu, right click on the localhost(QEMU) to create a new VM
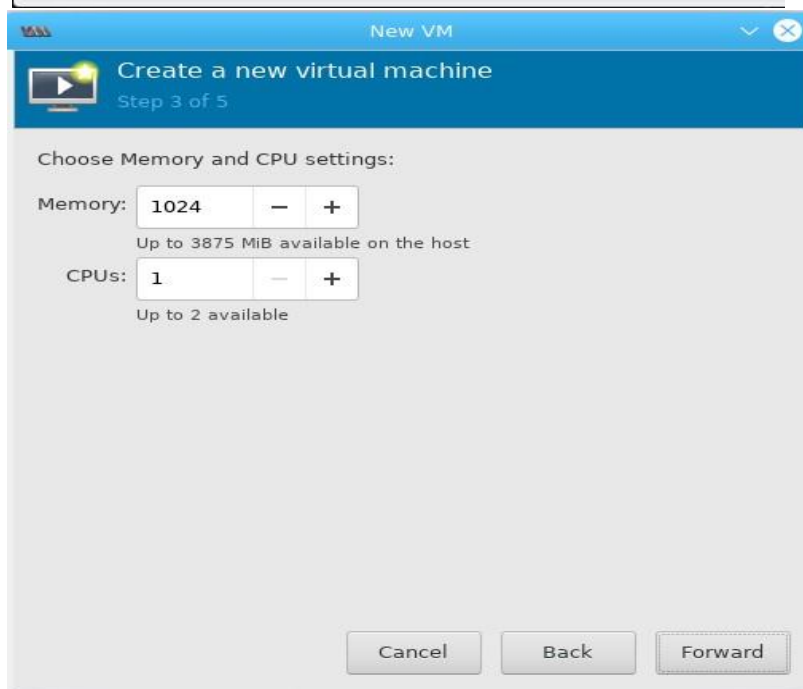
7. Select Linux ISO image
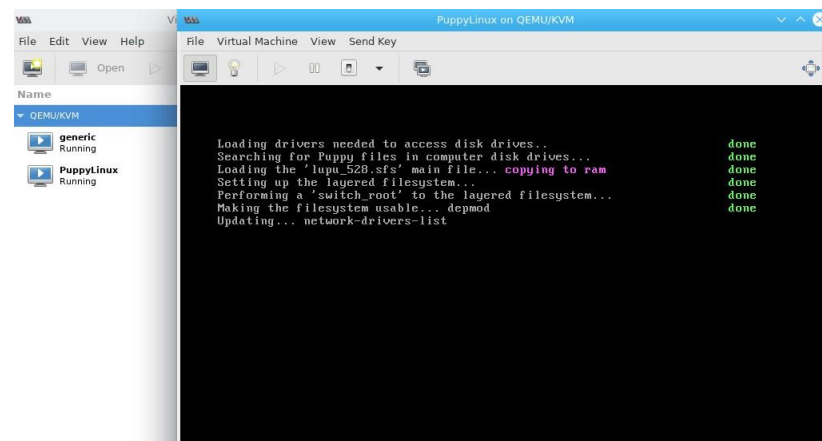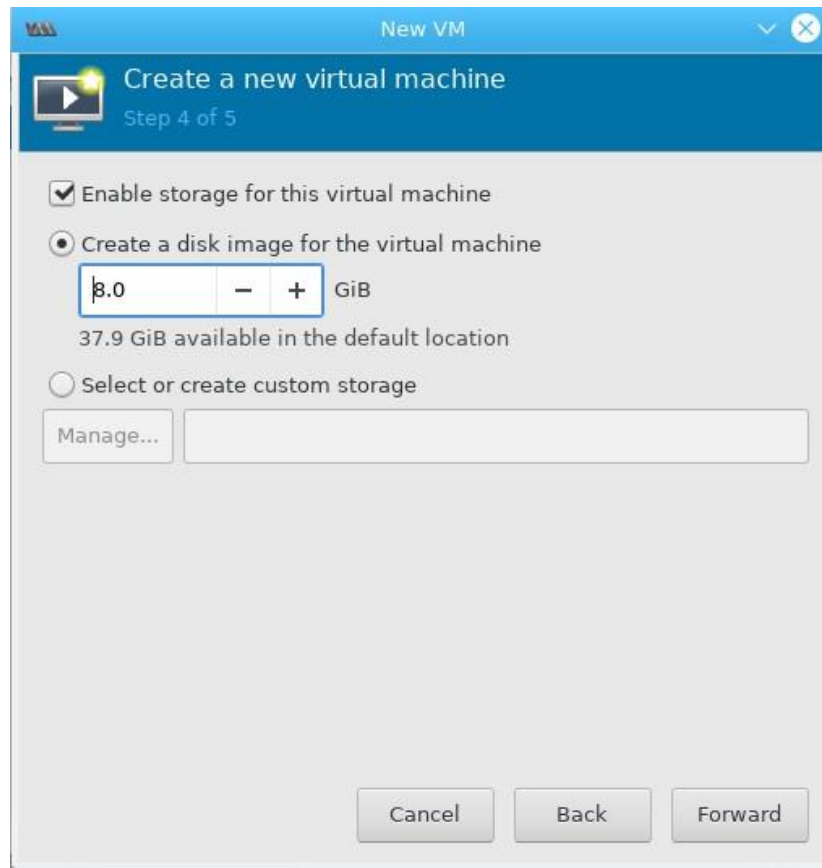
8. Choose puppy-linux.iso then kernel version

9. Select CPU and RAM limits

10. Create default disk image to 8 GB

11. Click finish for creating the new VM with PuppyLinux

Output:

New VM

Create a new virtual machine
Step 1 of 5

Connection: QEMU/KVM

Choose how you would like to install the operating system
- ◉ Local install media (ISO image or CDROM)
- ◯ Network Install (HTTP, HTTPS, or FTP)
- ◯ Network Boot (PXE)
- ◯ Import existing disk image

▶ Architecture options

Cancel   Back   Forw

New VM

Create a new virtual machine
Step 3 of 5

Choose Memory and CPU settings:

Memory: 1024 − +
Up to 3875 MiB available on the host

CPUs: 1 − +
Up to 2 available

Cancel   Back   Forward

RESULT

Hence, the installation and configuration of Linux on virtual
Machine has been successfully completed and executed