RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAB MANUAL

CS23431 – OPERATING SYSTEMS

(REGULATION 2023)

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Completed

Ex No: 1a)

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

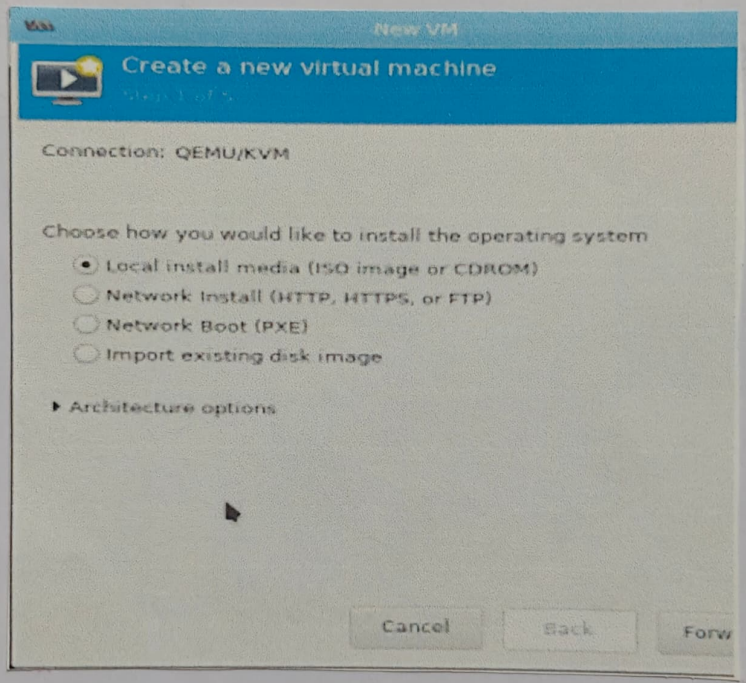
Linux ISO image

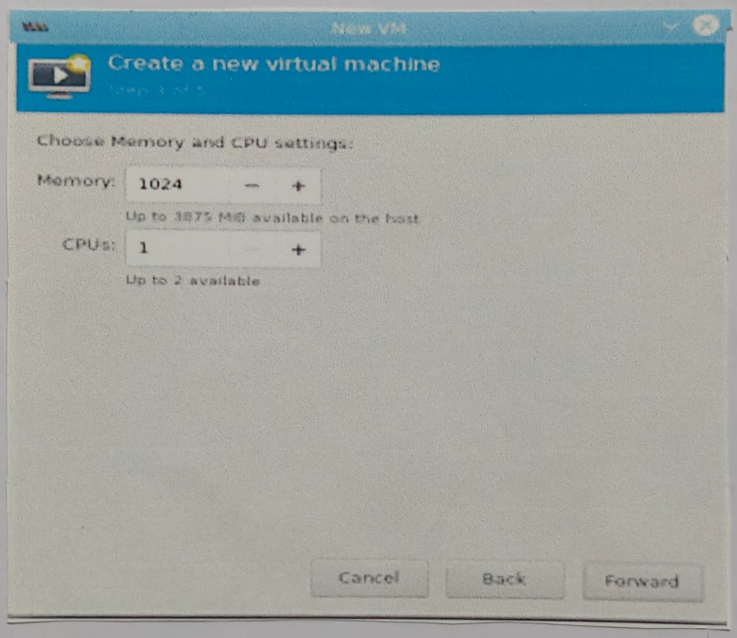
8. Choose puppy-linux.iso then kernel version

9. Select CPU and RAM limits

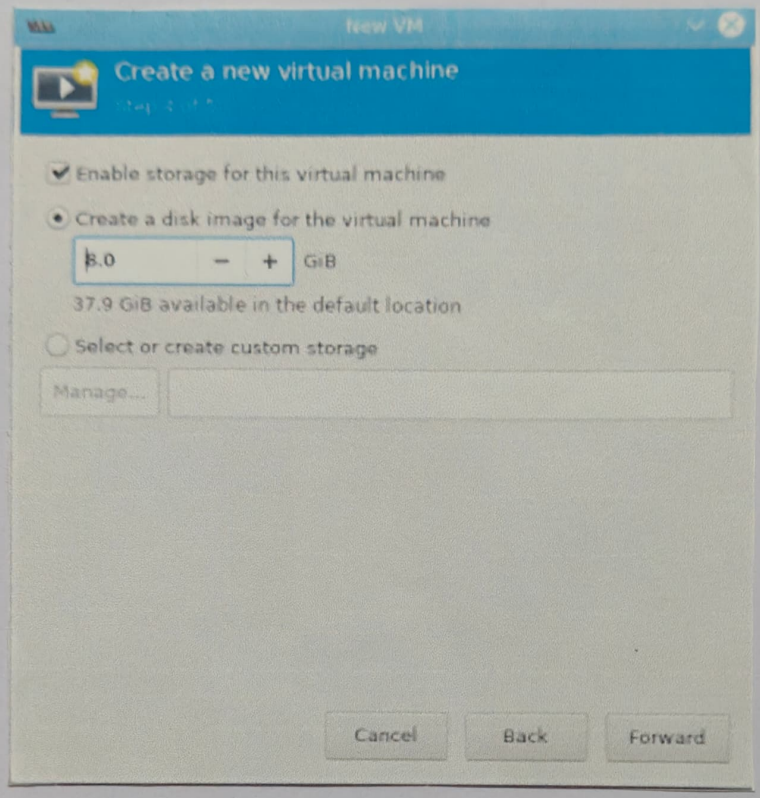
10.Create default disk image to 8 GB

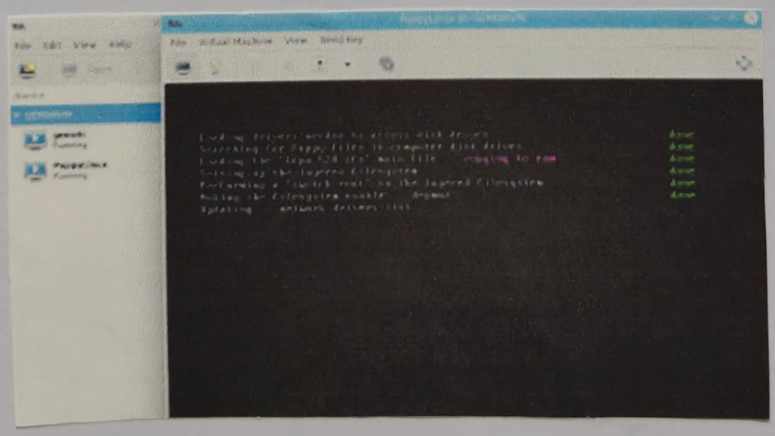
11.Click finish for creating the new VM with PuppyLinux


New VM
Create a new virtual machine
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
Choose Memory and CPU settings:
Memory:
1024
Up to 3873 MiB available on the host
CPUs:
1
Up to 2 available
Cancel
Back
Forward

Output:


New VM
Create a new virtual machine
Enable storage for this virtual machine
Create a disk image for the virtual machine
8.0
GiB
37.9 GiB available in the default location
Select or create custom storage
Manage...
Cancel
Back
Forward



Result :

Thus the installation of Fedora Linux OS in PC was installed successfully.