Ex No: 1a)

INSTALLATION AND CONFIGURATION OF LINUX

Aim:

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

Installation/Configuration Steps:

• Install the required packages for
virtualization dnf install xen virt-manager
qemu libvirt

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

• Reboot the
machine Reboot

• Create Virtual machine by first running virt-
manager virt-manager &

• Click on File and then click to connect to localhost

• In the base menu, right click on the localhost(QEMU) to create a new VM 7.

Select Linux ISO image

• Choose puppy-linux.iso then kernel version

• Select CPU and RAM limits

• Create default disk image to 8 GB

• Click finish for creating the new VM with PuppyLinux

Output:

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

Create a new virtual machine

Choose Memory and CPU settings:

Memory: 1024   —   +

Up to 3875 MiB available on the host

CPUs: 1   —   +

Up to 2 available

Cancel   Back   Forward

Create a new virtual machine

☑ Enable storage for this virtual machine

⦿ Create a disk image for the virtual machine

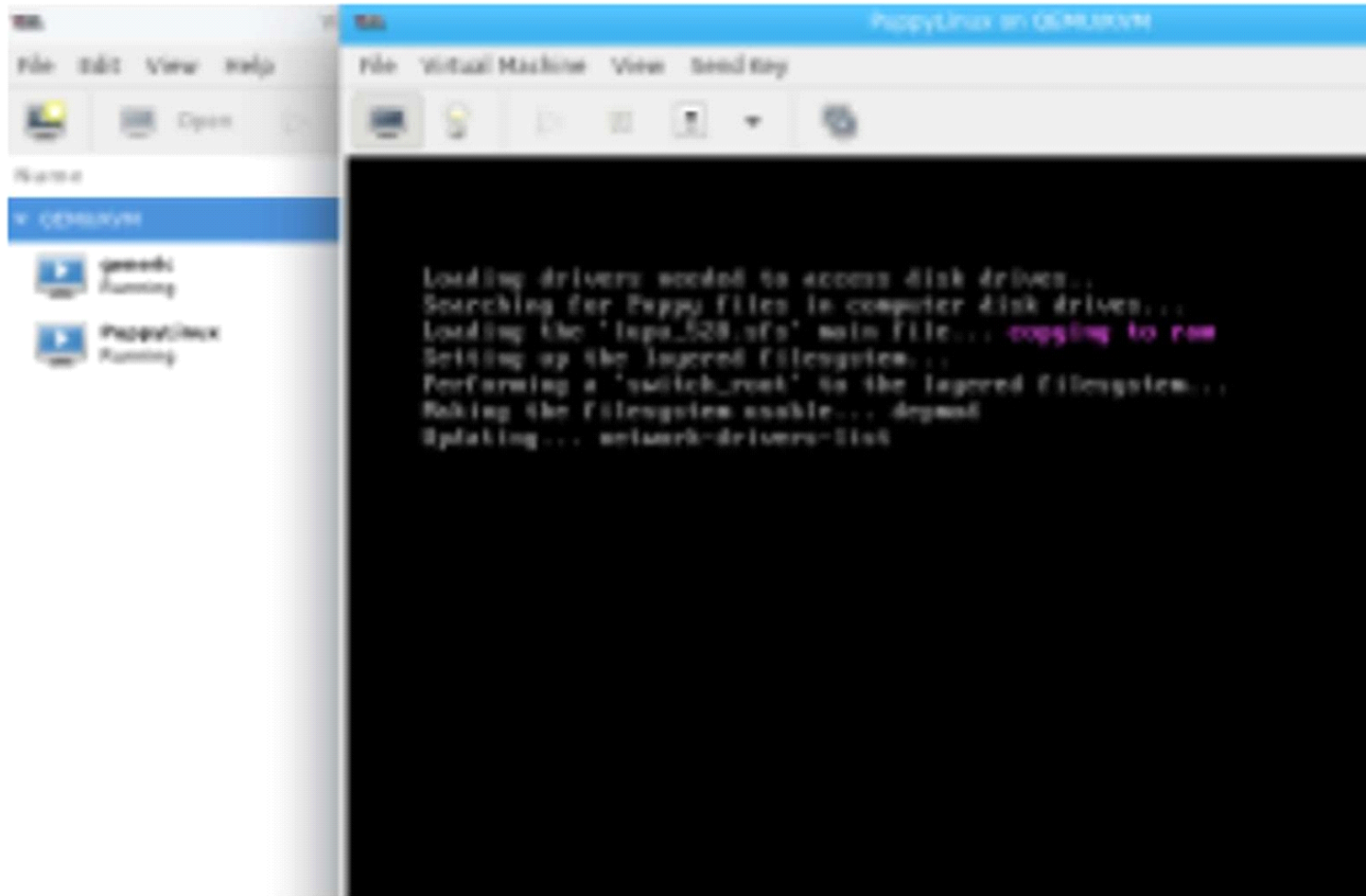| 8.0 | — | + | GiB |

37.9 GiB available in the default location

◯ Select or create custom storage

| Manage... | |

| Cancel | Back | Forward |

Result :
    Installation and configuration of linux is completed successfully.