SSN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
CS6712 Grid and Cloud Computing Laboratory

Assignment -7 : Private Cloud Setup using OpenNebula

Assigned Date: 07.08.2017.   **Due Date: 08. 08.2017 & 11 .08.2017**

I.   Install OpenNebula in Ubuntu 16.04 server amd64 Guest Operating System.

http://docs.opennebula.org/4.12/design_and_installation/quick_starts/qs_ubuntu_kvm.html

1. Create 2 Virtual Machines and install Ubuntu 16.04 Desktop amd64.iso in both VMs. Name the VMs as FrontEndVM and NodeVM

2. In FrontEnd VM instal opennebula packages, start services and configure NFS, SSH public key.

3. In Node VM Install Opennebula packages, Configure Network, NFS and Qemu.

4. In FrontEnd VM browser, give http://frontend:9869

    The default password for the *oneadmin* user can be found in *~/.one/one_auth* which is randomly generated on every installation.

Do the following in the FrontEnd Machine

1. Add hosts, Virtual Machines

2. Add Virtual Resources

3. Run Virtual Machine

4. Migrate VM from one host to another.