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

Assignment -9 : Live Migration of Virtual Machine

Assigned Date: 07.08.2017. **Due Date: 22. 08.2017 & 18 .08.2017**

In OpenNebula FrontEnd VM do the following.

I. Add 4 hosts (nodes) to /etc/hosts as follows

<IP of frontend> frontend

<IP of node1> node11

<IP of node2> node12

<IP of node3> node13

II. Create above mentioned 4 hosts in oneadmin user as follows.

oneadmin@]$ onehost create frontend –i kvm –v kvm –n dummy

oneadmin@]$ onehost create node11 –i kvm –v kvm –n dummy

oneadmin@]$ onehost create node12 –i kvm –v kvm –n dummy

oneadmin@]$ onehost create node13 –i kvm –v kvm –n dummy

III. Update the VM template with SSH_PUBLIC_KEY using "*oneuser*" command.

IV. Creating a Virtual Machine (VM) Template

1. Use CentOS 6.5 (64-bit) OS image to create virtual machine template.
2. Use "*onetemplate*" command to do it.

V. Create two VMs (VM1 and VM2) with CentOS 6.5 (64-bit) from the above created CentOS6.5 (64-bit) template.

VI. List all VMs and hosts running in Opennebula Cloud.

VII. Deploy VM1 in node11 host and VM2 in node12 host using the command

oneadmin@]$ onevm deploy <vm-id> <host-id>

VIII. Migrate VM1 and VM2 to node13 host using following command

oneadmin@]$ onevm migrate <vm-id> <host-id>

IX. List all VMs and hosts running in Opennebula Cloud.