

SSN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
CS8711 Cloud Computing Laboratory

Assignment -3 : Remote Login into a VM

Assigned Date: 10.09.2020.

Due Date: 18.09.2020 & 19.09.2020

- I. Create two VMs and install **Ubuntu 16.04 server** for amd64 architecture. Name them as VM1 & VM2.
Install **openssh-server** while installing OS.
In VM2, install JDK.
- II. **Remote login with password**
 - i. Set network configurations and ping both VMs
 - ii. In VM1 : **ssh <usernameVM2>@<IP_Address_VM2>**
 - iii. It will ask password of VM2. Provide password of VM2.
 - iv. Login into VM2
- III. **Remote login without password**
 - i. Set network configurations and ping both VMs
 - ii. **Do the following in VM1:**
 - a. Create ssh-keypair using the command]\$ **ssh-keygen -t rsa**
 - b. It generates id_rsa and id_rsa.pub keys.
 - c. Change permission for id_rsa.pub as 700.
 - d. Copy id_rsa.pub to authorized_keys.
 - e. Copy authorized_keys / id_rsa.pub into VM2 using the command
]\$ **ssh-copy-id <UsernameVM2>@<IP_Address_VM2>**
It will ask password of VM2. Provide password of VM2.
 - f. Remote login into VM2 from VM1
]\$ **ssh <usernameVM2>@<IP_Address_VM2>**
This should not prompt you for a password. It should login into VM2.

Do the following in VM

In VM1: After you remotely login to VM2, execute a Java program. Exit from VM2 in VM1

In VM2: Remotely login to VM1 and install JDK. Execute Java Program. Exit from VM1 in VM2.