Installation and Configuration of Oracle Virtual Box

Expt No: 1

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Aim

To configure and install Oracle Virtual Box in Ubuntu 18.04 LTS OS flavour.

Software's Used

- Oracle VirtualBox

Description

Installation of Oracle VirtualBox with guest Operating System as Ubuntu 16.04.Installation of neccessary packages namely - openssh-server,openssh-client,java in the created virtualbox instance.

Procedure

1. Install Oracle VirtualBox using apt-get command.

2. Choose guest Operating System as Ubuntu 16.04 LTS and architecture as x86.

3. Set your base RAM memory above 2 GB.

4. Create a virtual hard disk drive and select dynamically allocated space.

5. Erase and install the OS from the iso disk image of Ubuntu 16.04 LTS.

6. Let the installation of all required packages complete.

7. Create a guest OS user with valid credentials.

8. Login to the created virtualbox instance and install the following packages using apt-get command

   - openssh-server
   - openssh-client
   - java jdk 7
   - javac compiler

Output

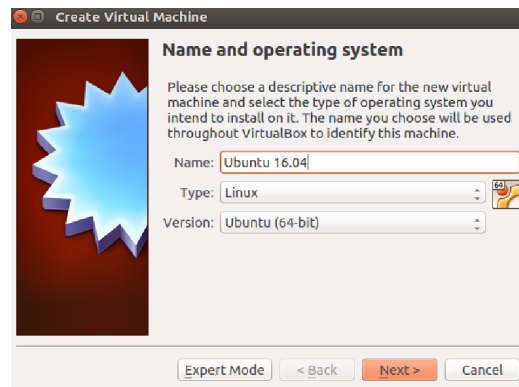Figure 1: Installing oracle virtualbox in native OS.

Figure 2: Selecting the operating system flavour as Ubuntu 16.04 in guest OS instance.

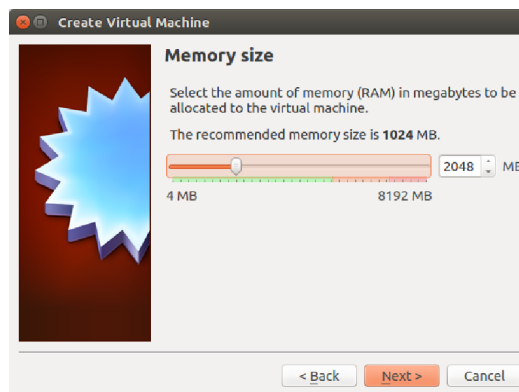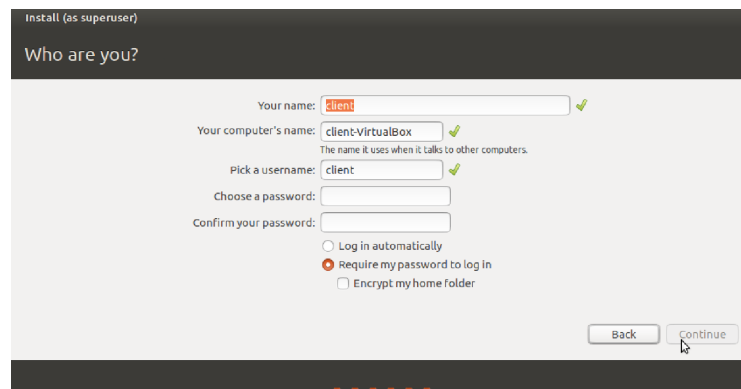Figure 3: Selecting the required RAM memory space for the VM instance.

Figure 4: Mounting the iso image as virtual hard disk drive to boot the guest OS.

Figure 5: Erase the hard disk and install Ubuntu 16.04.

Figure 6: Wait until all packages are installed in the new guest OS machine.

Figure 7: Create new user with appropriate credentials.

Figure 8: Install required packages in the created virtual instance.

Result

Thus the oracle virtualbox VM instance is sucessfully created with Ubuntu 16.04 OS version and required packages are installed.