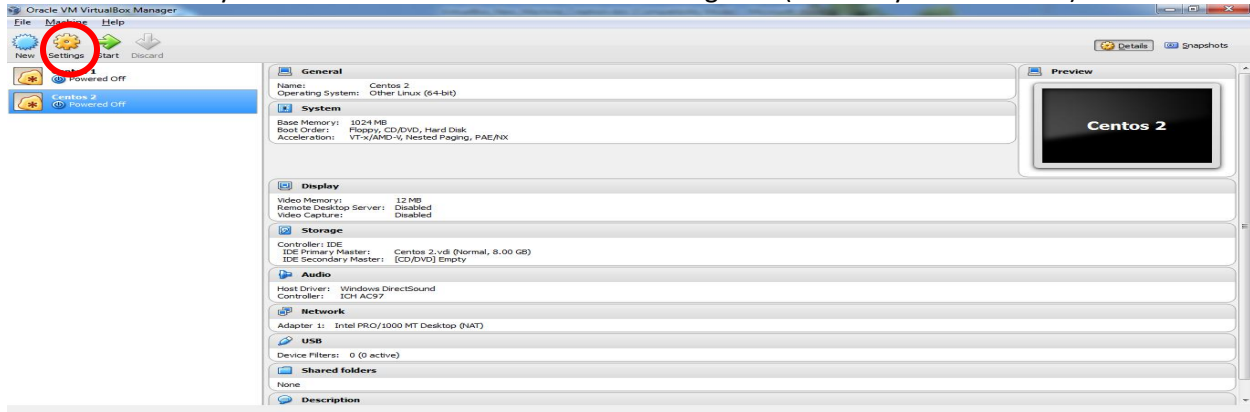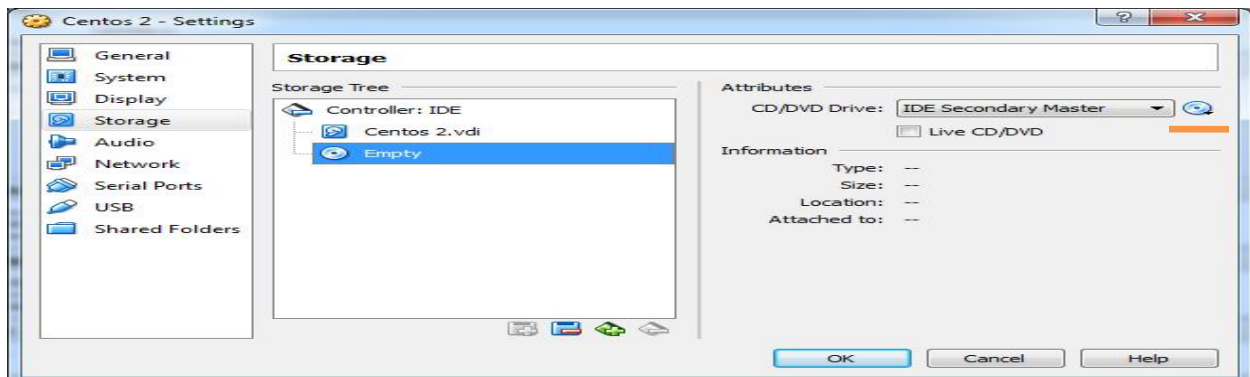# Installing Centos6 on a new Virtual Machine in Oracle Virtual Box

1. Open Oracle Virtual Box

2. Select the newly created virtual machine and click settings tab (shown by the red circle).

2. In the window that opens click the storage option in the left pane as shown in the below fig.

3. Click the CD/DVD drive shown as empty. On the right side click the CD icon (underlined with orange line) . Click "choose Virtual Optical Disk File" option. The windows that opens scroll to the directory that contains the Centos6 ISO image file. Click to select the ISO image file and click open.
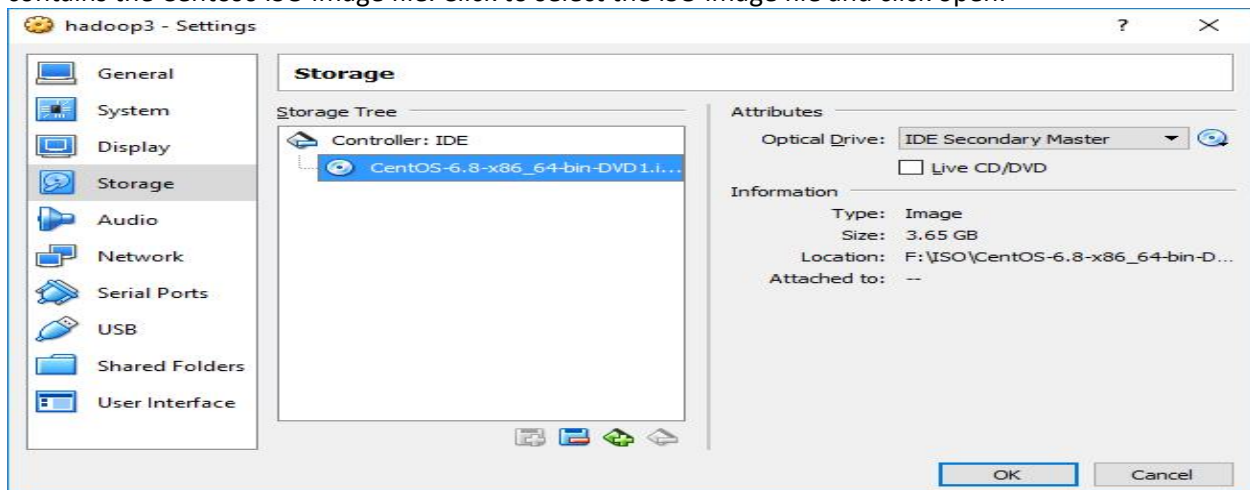
4. Once you attach the ISO image click OK on the above screen displayed.
Now select the machine and click the start tab. This will power on the machine and start installing the operating system.

Centos6 Installation Steps

1. Once the virtual machine starts and boots, the Centos6 installation will start. The following screen will be displayed. By default the first option is selected. Press Enter to start installation of Centos6.
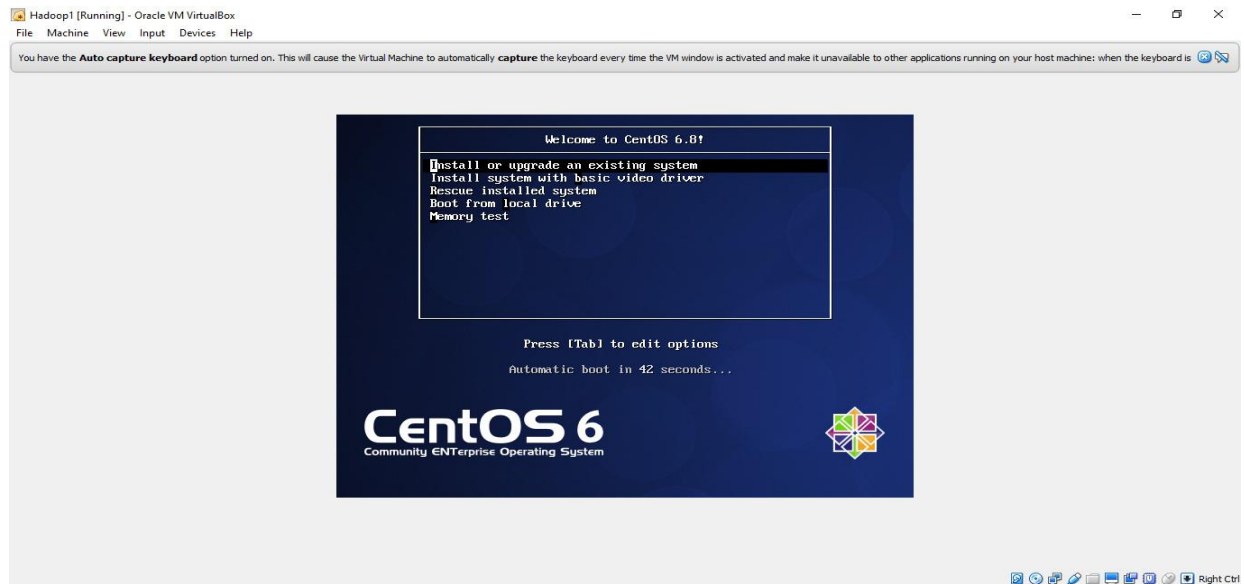
2. On the next screen that is displayed as shown below, select "Skip" option by using right side arrow key and press Enter.
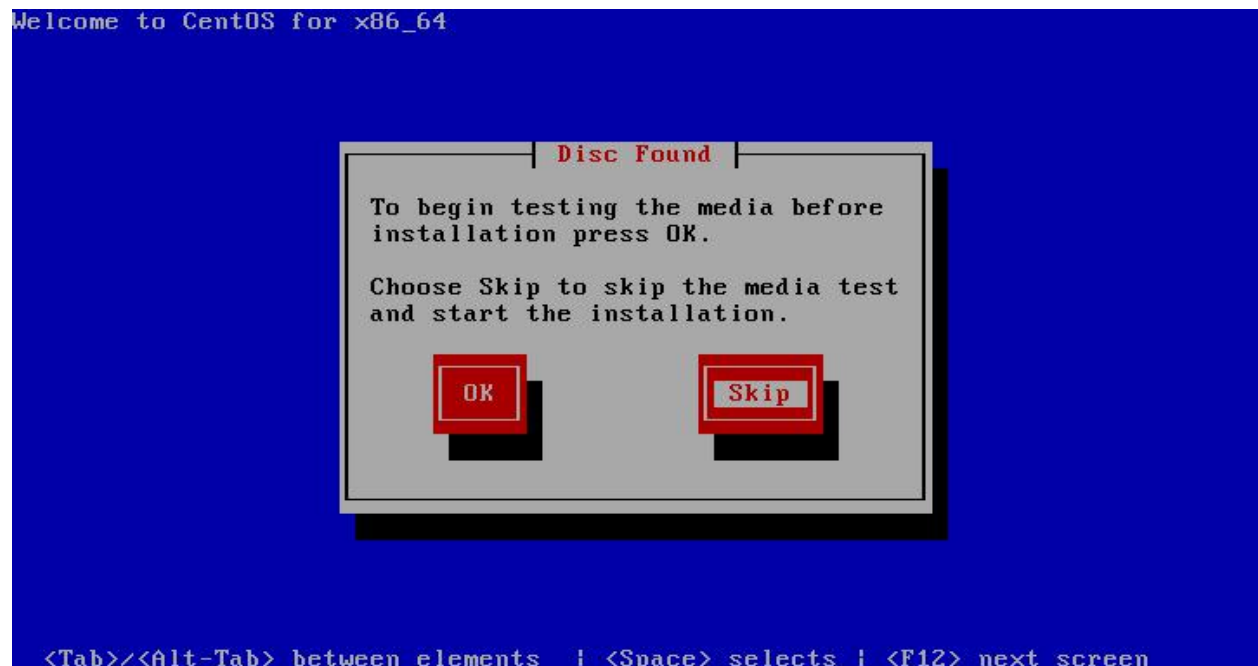
3. The next screen is a GUI installation of Centos6. Click Next to continue with the installation process.

4. The next screen displays the language options for Centos6 installation. Select the language of your choice. The default is English. To use the default English language click Next.


5. The next Screen allows to select keyboard type. Click Next to continue with the default option.
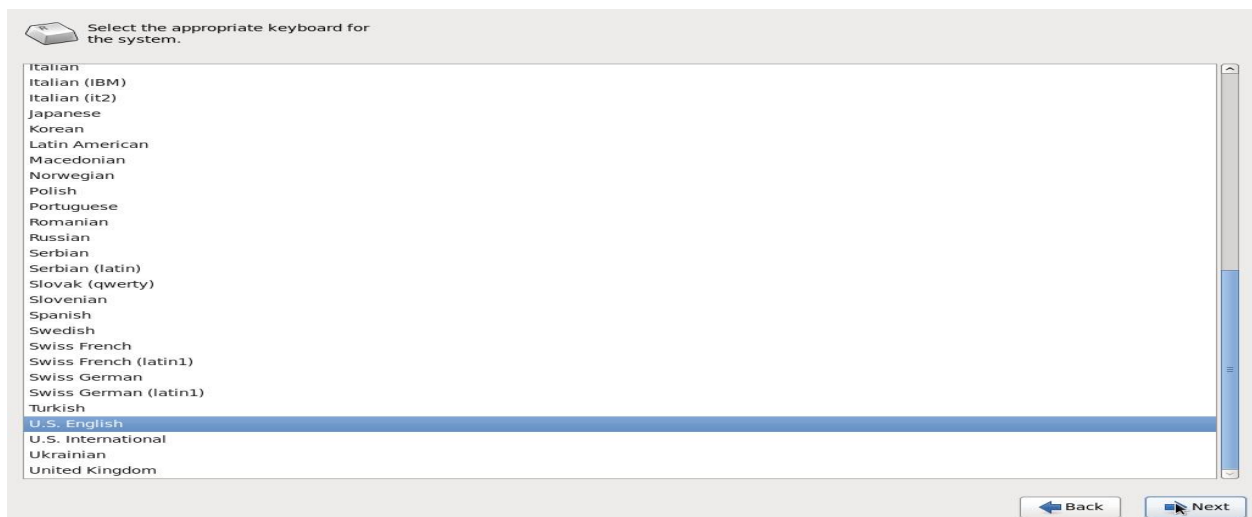
6. The next screen gives an option about to how to initialize the storage device i.e. hard disk of the machine. The default is "Basic storage device". Click Next to continue with this option.

7. On the next screen that is displayed click "Yes, Discard any data" option. **[Note** * * - **As this document deals with a new Centos6 installation on a new unused machine, this option is suggested. However if you are installing Centos6 on an already used machine and want to preserve previous data different option should be used. However those steps are beyond the scope of this document.]**
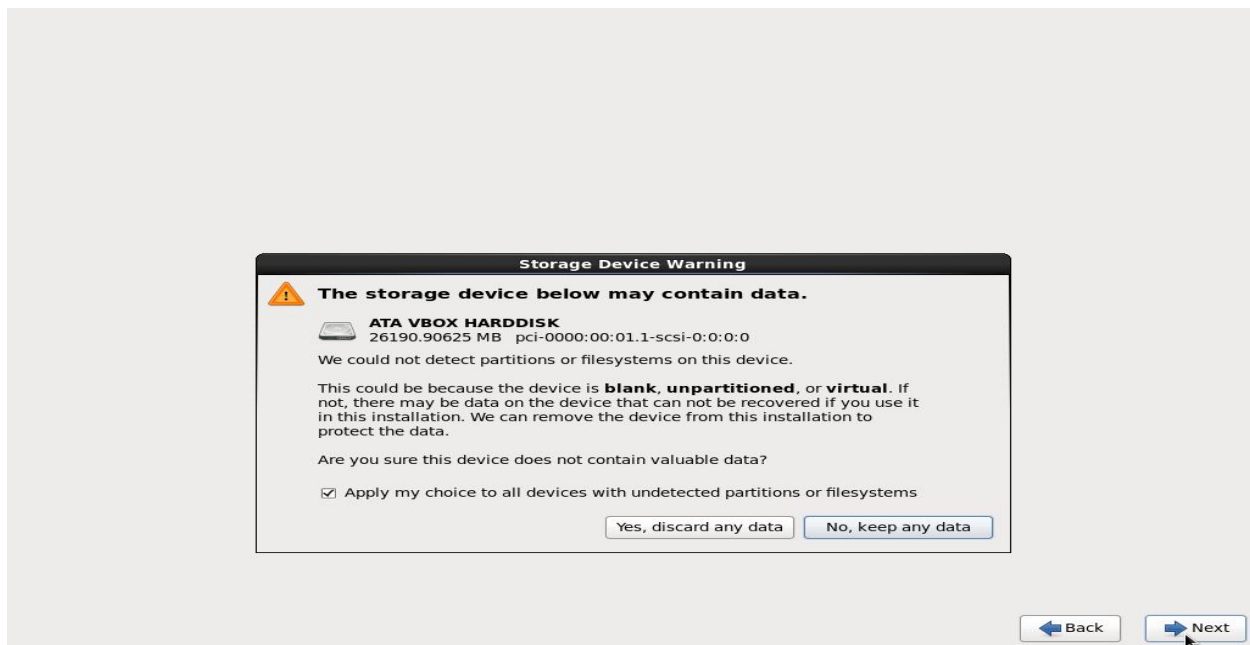
8. On the following screen enter the hostname in the Hostname field. The hostname is a computer name that you want to assign to the system.

9. On the next screen click the India map and select the yellow dot that displays "Asia/Kolkata" option. Click Next

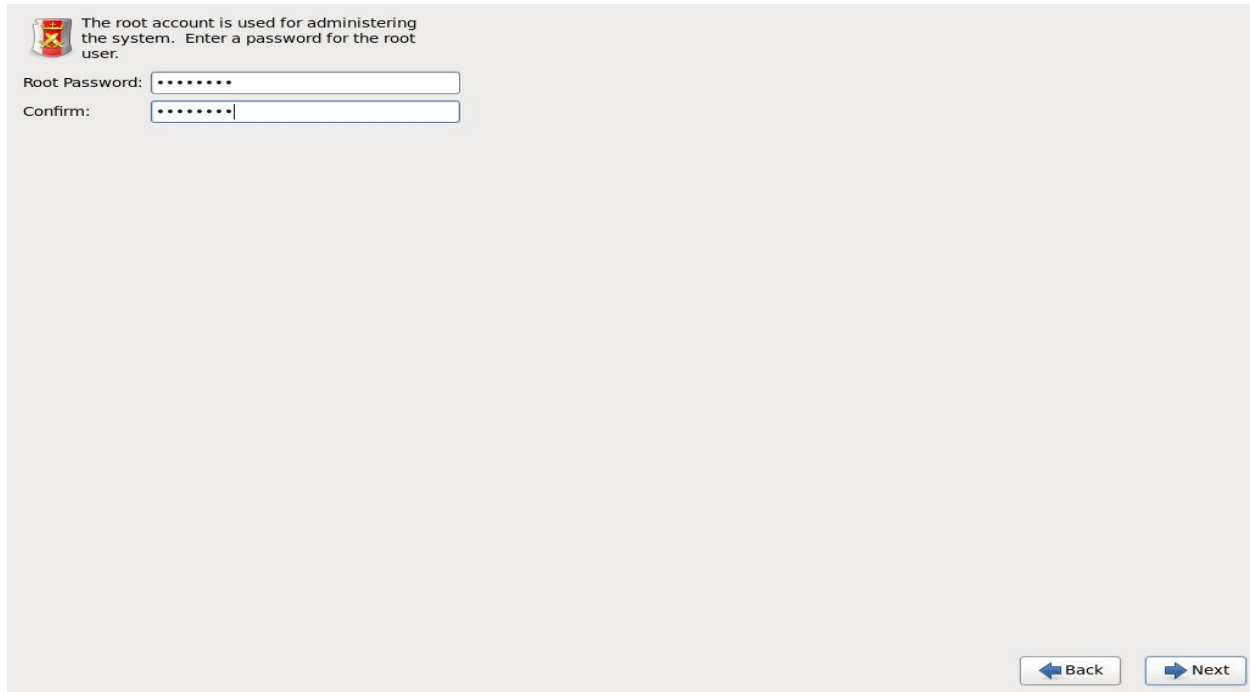10. Specify password for the "Root" user. Root user is the administrator of the Linux system.

11. The next screen may display a warning message regarding the password. The Linux system checks user passwords for weaknesses. If the password provided is a weak password then the following warning is displayed. Click Use Anyway. **[Note** - **for production systems make sure you provide strong passwords]**

12. On the next screen either click Next to continue with the default option "Replace Existing Linux System".

13. On the next screen click "write changes to disk".

14. The next screen displays options for type of installations available for Centos6. Select "Basic Server" option and click Next. Do not forget to click "**Customize now**" option at the bottom of the screen.

The default installation of CentOS is a minimum install. You can optionally select a different set of software now.

○ Desktop
○ Minimal Desktop
○ Minimal
◉ Basic Server
○ Database Server
○ Web Server
○ Virtual Host
○ Software Development Workstation

Please select any additional repositories that you want to use for software installation.

☑ CentOS

[+ Add additional software repositories]   [✎ Modify repository]

You can further customize the software selection now, or after install via the software management application.

○ Customize later   ◉ Customize now

[← Back]   [→ Next]

15. The next screen appears only if you select **"Customize now"** option on the earlier screen. On this screen click **Desktop** option on the left side and then on the right side click to select check boxes for **Desktop, KDE Desktop** and **X Window System**.
 If you do not select these options then Centos6 will be installed without Graphical User Interface (GUI).

Applications
Base System
Databases
Desktops
Development
High Availability
Languages
Load Balancer
Resilient Storage
Scalable Filesystem Support
Servers
System Management
Virtualization
Web Services

☑ Desktop
☐ Desktop Debugging and Performance Tools
☐ Desktop Platform
☐ Fonts
☐ General Purpose Desktop
☐ Graphical Administration Tools
☐ Input Methods
☑ KDE Desktop
☐ Legacy X Window System compatibility
☐ Remote Desktop Clients
☑ X Window System

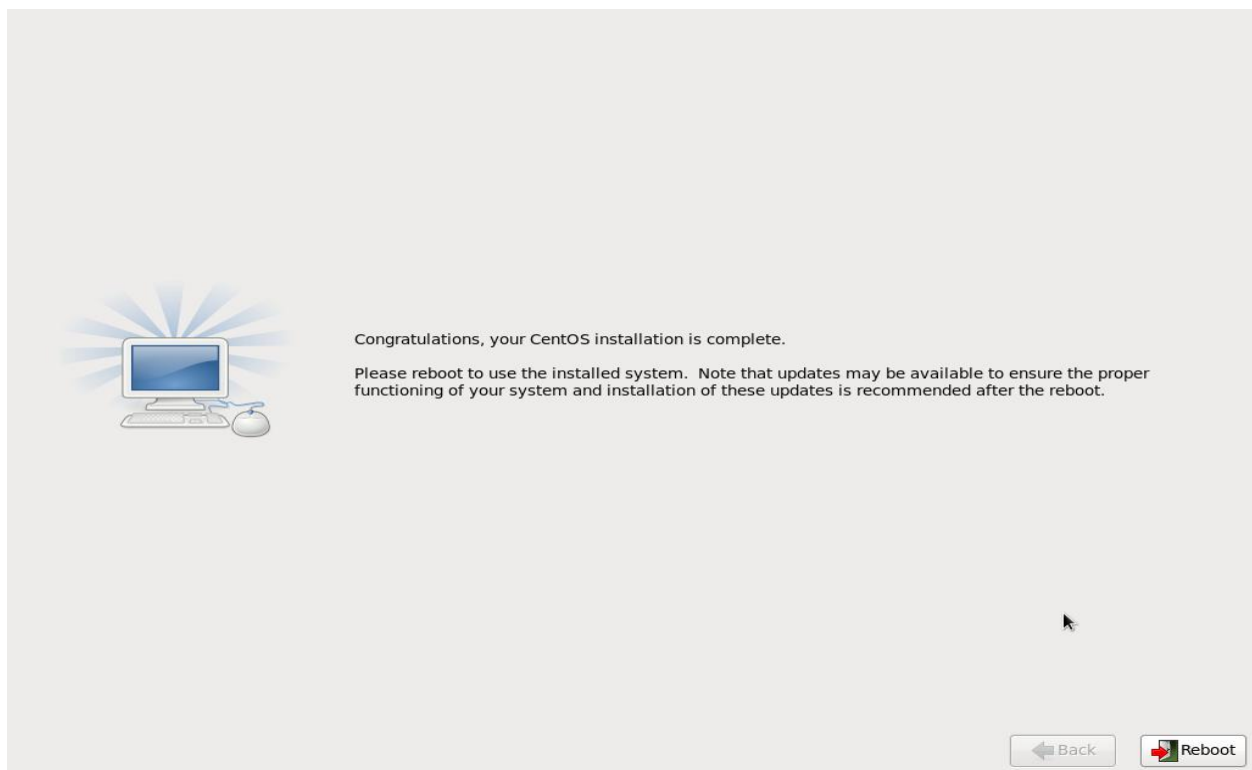X Window System Support.

Optional packages selected: 10 of 13

[Optional packages]

[← Back]   [→ Next]

16. Once you click Next on the earlier screen the Centos6 installation will start. It may take 10 to 30 minutes depending on the configuration of the system.
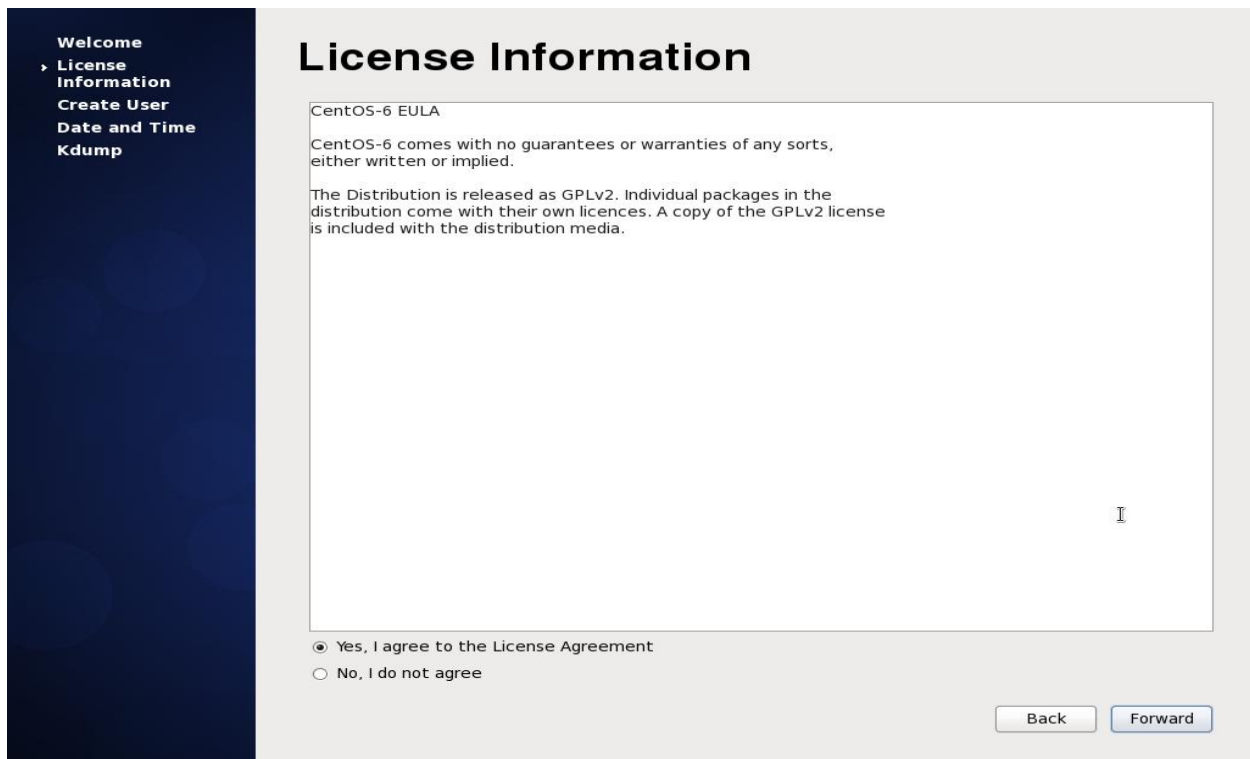

17. Once the installation completes the following screen is displayed. Click Reboot to restart the virtual computer

18. Once the system reboots, the following screen will be displayed. The process runs you through the initial system setup. Click Forward.
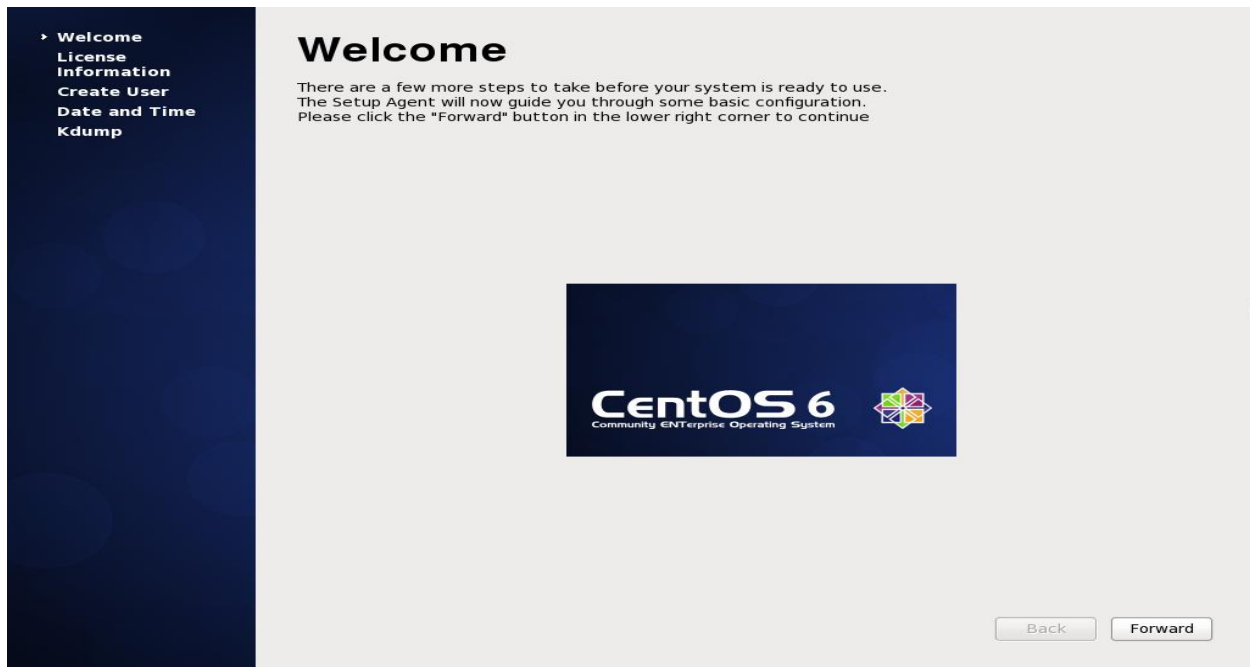
19. The next screen displays the License agreement. Select Yes option and click Forward.

20. The screen prompts you to create a user. This user will be a normal user with less privileges/permissions than the root user. Specify the username and password for the user. Click Forward.

21. If the password specified is weak, the following warning will be displayed. Click Yes to continue with the given password. Then click Forward.

22. The next screen displays the date and time settings. Please select correct date and time. Click Forward.

23. The next screen displays a warning message regarding Kdump. It is not going to affect the working of the system for practicals. Click OK. Click Forward.

23. On the last screen information about kdump is displayed. Click Finish. This will complete the initial startup setup.

24. After the system finishes with initial setup process, it will provide the login screen as shown below. Now your Centos6 is installed and ready to use.