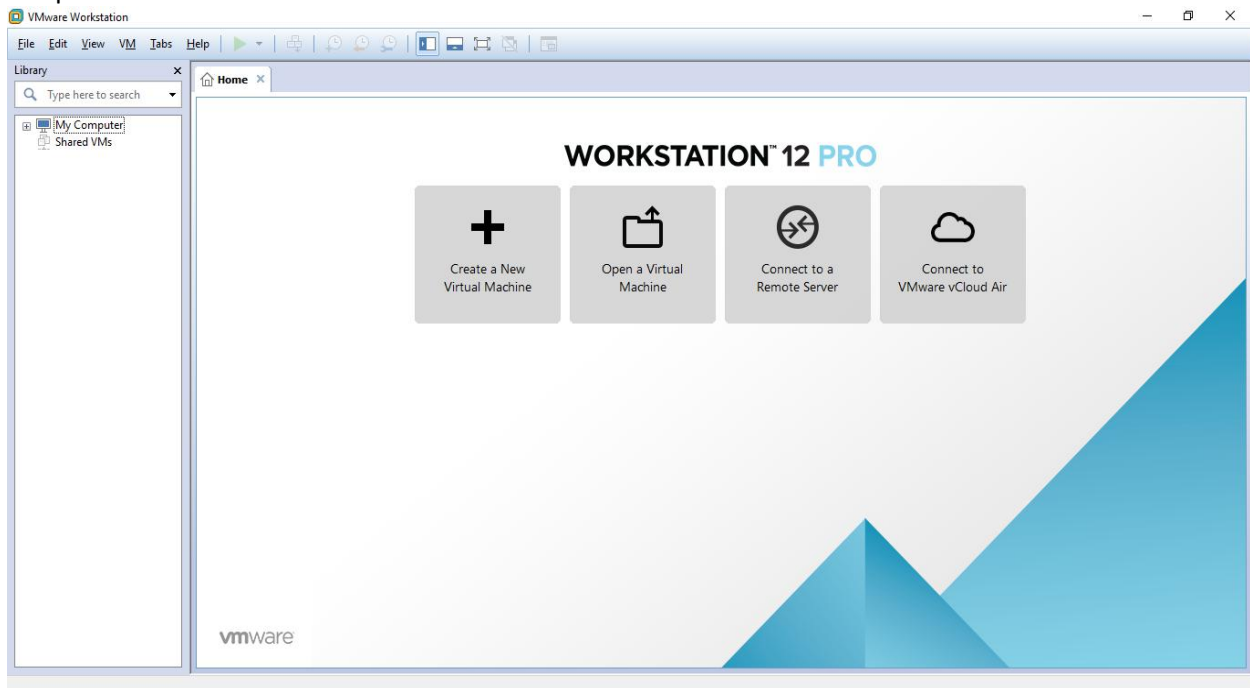
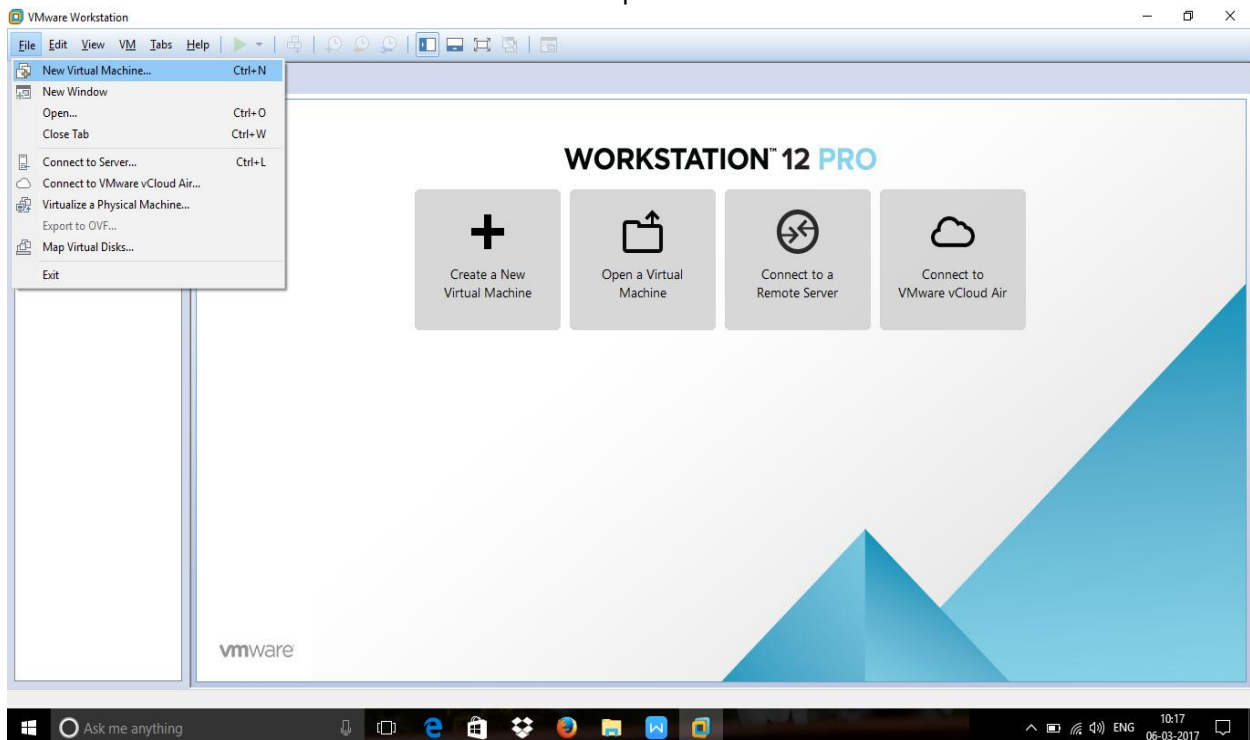


# Installing Windows Server 2008 R2 on a new Virtual Machine

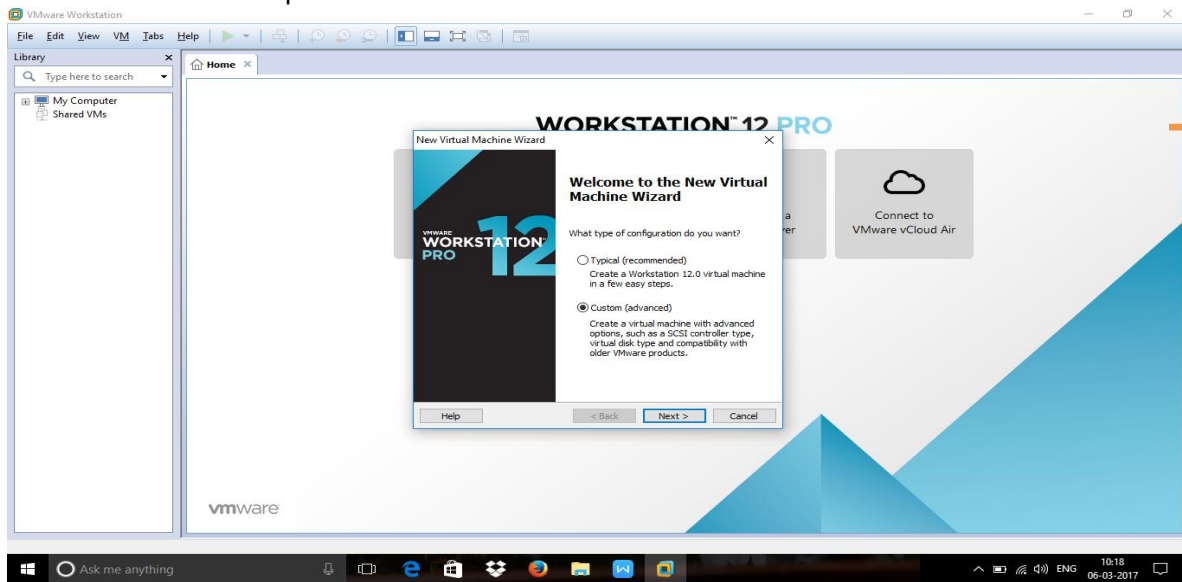
## 1. Open VMWare Workstation



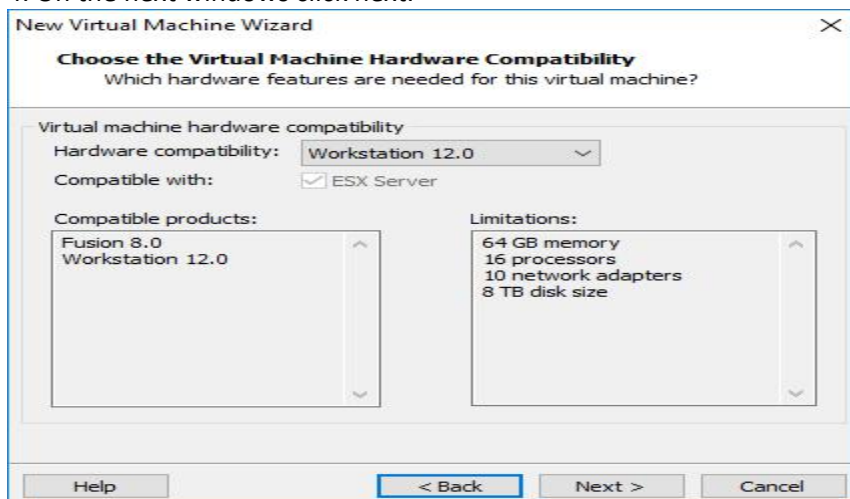
## 2. Click File menu and select New Virtual Machine option.



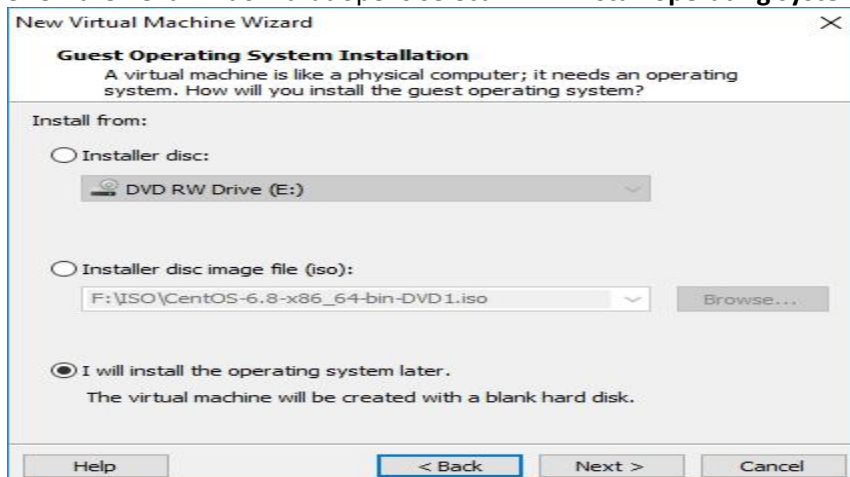
3. In the window that opens select custom and click next.



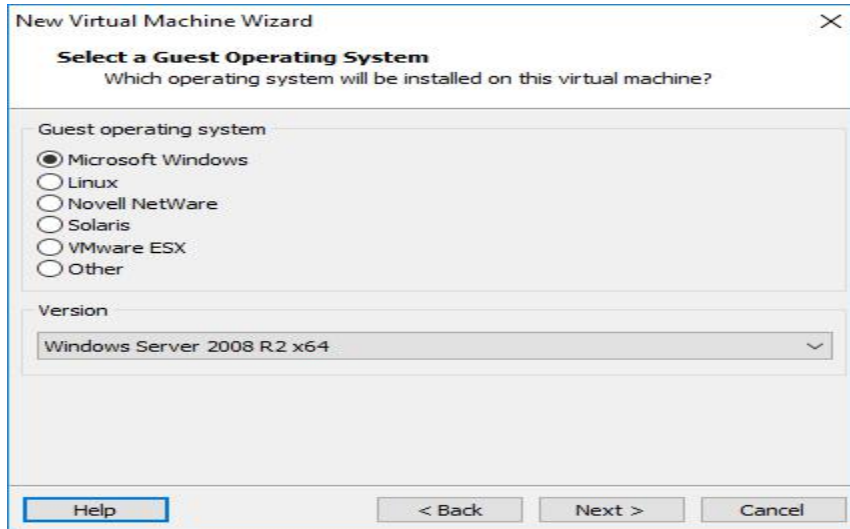
4. On the next windows click next.



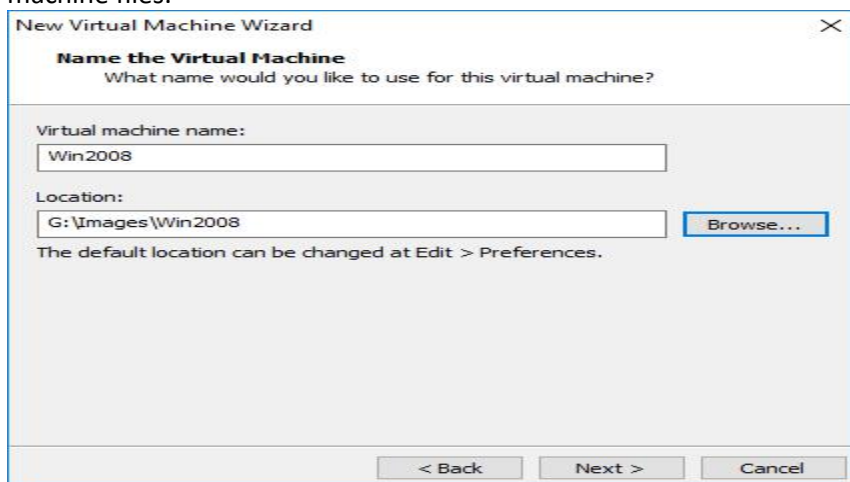
5. On the next window that opens select "I will install operating system later".



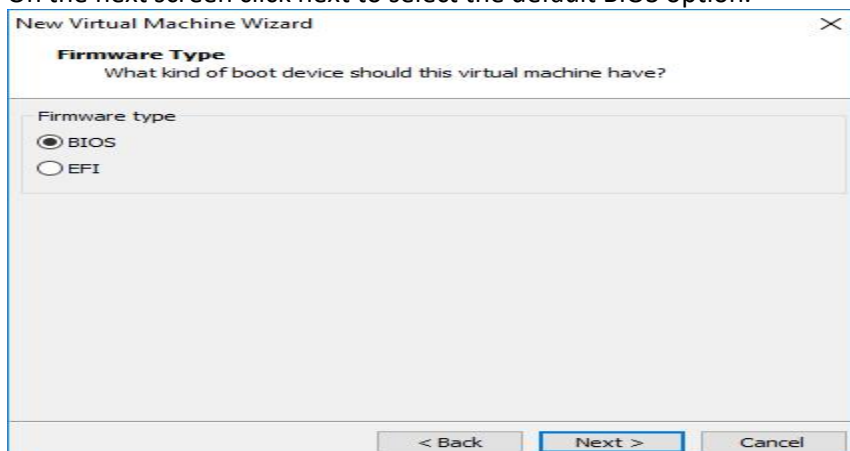
6. On the following window that opens select **Microsoft Windows** and in the version drop down menu select **Windows Server 2008 R2 x64**.



7. In the next window that opens give a name for the virtual machine and select the path to store virtual machine files.



On the next screen click next to select the default BIOS option.



8. The option on the next window allows you to select number of processors to be assigned for this virtual machine. Keep default and click next.

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Processor Configuration' step. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Processor Configuration' with the instruction 'Specify the number of processors for this virtual machine.' Below this, there are three labels and their corresponding values: 'Processors' (1), 'Number of processors:' (1), 'Number of cores per processor:' (1), and 'Total processor cores:' (1). The values are shown in a combination box. At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

9. On the next window select the amount of RAM to be assigned for this virtual machine. Click Next.

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Memory for the Virtual Machine' step. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Memory for the Virtual Machine' with the instruction 'How much memory would you like to use for this virtual machine?'. Below this, there is a text box that says 'Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.' To the left, there is a vertical slider with memory values ranging from 4 MB to 64 GB. To the right, there is a text box labeled 'Memory for this virtual machine:' with the value '2048 MB'. Below the slider, there are three recommendations: 'Maximum recommended memory: 13728 MB', 'Recommended memory: 1024 MB', and 'Guest OS recommended minimum: 512 MB'. At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

10. On the next window select "Use host-only networking"

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Network Type' step. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Network Type' with the instruction 'What type of network do you want to add?'. Below this, there is a section titled 'Network connection' with four radio button options: 'Use bridged networking', 'Use network address translation (NAT)', 'Use host-only networking', and 'Do not use a network connection'. The 'Use host-only networking' option is selected. Below the options, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Help' button is highlighted with a blue border.

11. On the next window click Next to continue with the default option.

The screenshot shows the 'New Virtual Machine Wizard' window with the title 'Select I/O Controller Types'. Below the title is the question 'Which SCSI controller type would you like to use?'. Under the heading 'I/O controller types', there is a section for 'SCSI Controller:' with three radio button options: 'BusLogic (Not available for 64-bit guests)', 'LSI Logic', and 'LSI Logic SAS (Recommended)'. The 'LSI Logic SAS' option is selected. At the bottom of the window are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

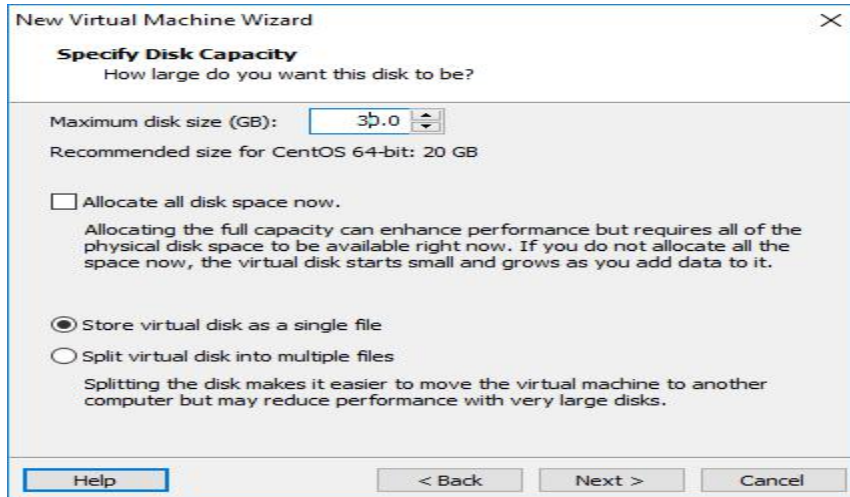
12. On the next screen, again click Next to continue.

The screenshot shows the 'New Virtual Machine Wizard' window with the title 'Select a Disk Type'. Below the title is the question 'What kind of disk do you want to create?'. Under the heading 'Virtual disk type', there are three radio button options: 'IDE', 'SCSI (Recommended)', and 'SATA'. The 'SCSI' option is selected. At the bottom of the window are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

13. On the next screen that is displayed select "Create a new virtual disk" and click next.

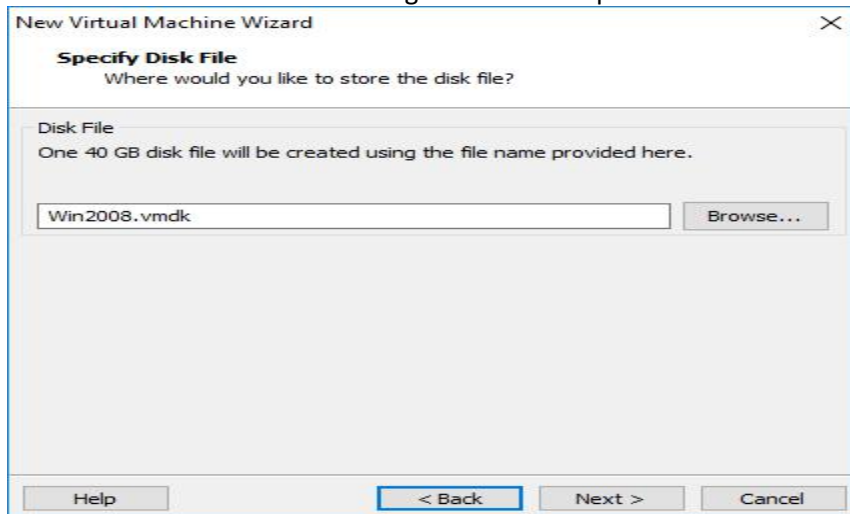
The screenshot shows the 'New Virtual Machine Wizard' window with the title 'Select a Disk'. Below the title is the question 'Which disk do you want to use?'. Under the heading 'Disk', there are three radio button options: 'Create a new virtual disk', 'Use an existing virtual disk', and 'Use a physical disk (for advanced users)'. The 'Create a new virtual disk' option is selected. Below the first option is a descriptive text: 'A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.' Below the second option is the text: 'Choose this option to reuse a previously configured disk.' Below the third option is the text: 'Choose this option to give the virtual machine direct access to a local hard disk.' At the bottom of the window are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

14. On the following screen, select size of the new virtual disk. Also select “store virtual disk as a single file and click Next.”



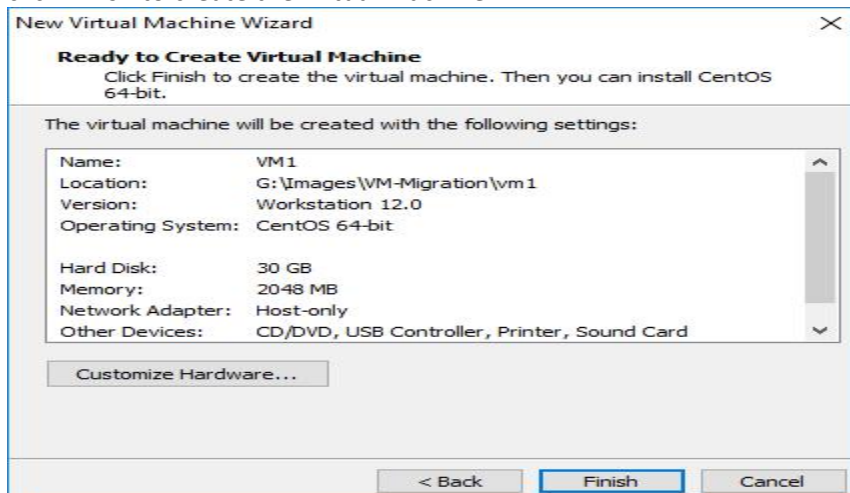
The screenshot shows the 'Specify Disk Capacity' step of the 'New Virtual Machine Wizard'. The title bar reads 'New Virtual Machine Wizard'. The main heading is 'Specify Disk Capacity' with the subtitle 'How large do you want this disk to be?'. There is a text box for 'Maximum disk size (GB):' containing '30.0'. Below it, it says 'Recommended size for CentOS 64-bit: 20 GB'. There are two radio button options: 'Allocate all disk space now.' (which is unchecked) and 'Store virtual disk as a single file' (which is selected). A descriptive paragraph explains that allocating full capacity enhances performance but requires all physical disk space, while splitting the disk makes it easier to move but may reduce performance. At the bottom, there are buttons for 'Help', '< Back', 'Next >', and 'Cancel'.

15. Just click Next on the following screen to accept the default name for the virtual disk file.



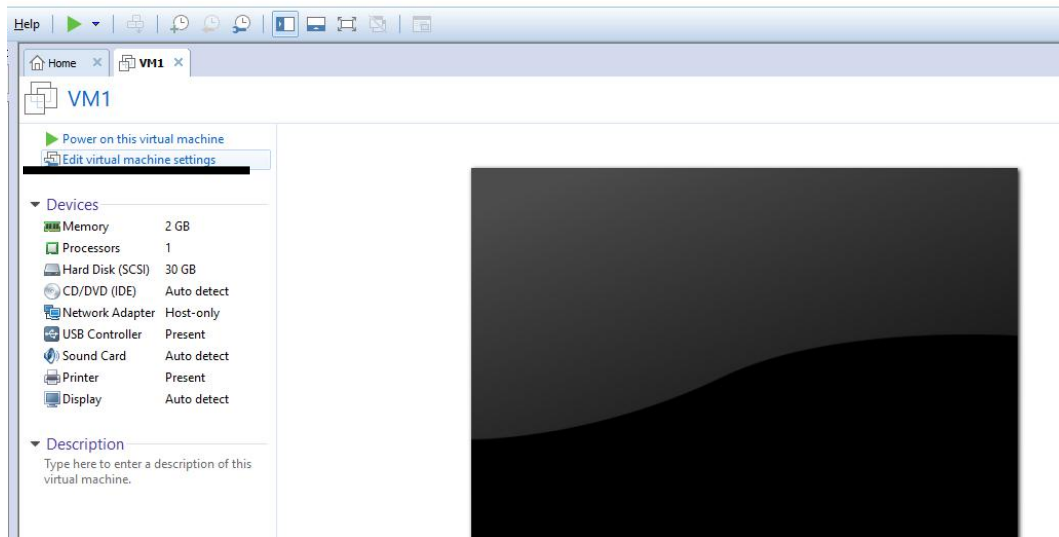
The screenshot shows the 'Specify Disk File' step of the 'New Virtual Machine Wizard'. The title bar reads 'New Virtual Machine Wizard'. The main heading is 'Specify Disk File' with the subtitle 'Where would you like to store the disk file?'. It states 'Disk File' and 'One 40 GB disk file will be created using the file name provided here.' There is a text box containing 'Win2008.vmdk' and a 'Browse...' button next to it. At the bottom, there are buttons for 'Help', '< Back', 'Next >', and 'Cancel'.

16. On the final screen, check the summary to make sure you have configured the correct options and click Finish to create the virtual machine.

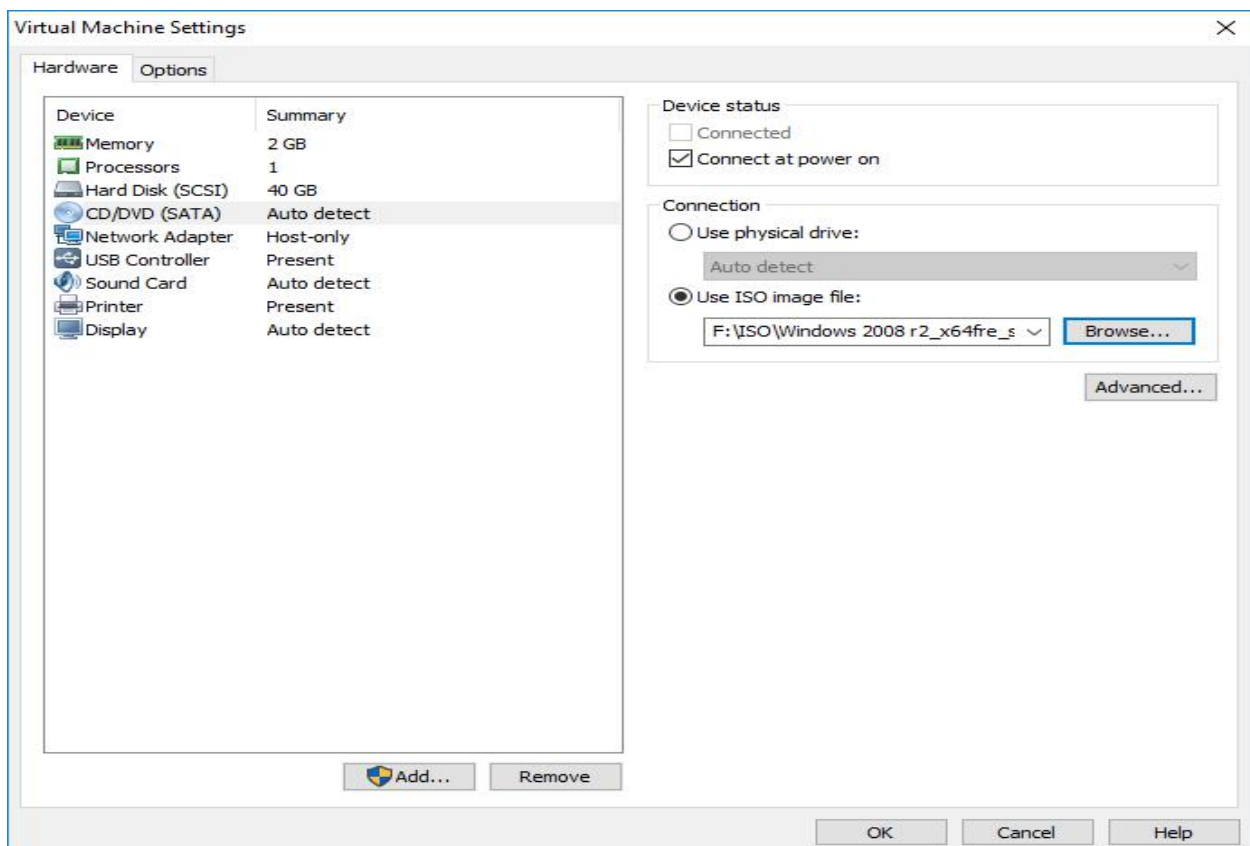


The screenshot shows the 'Ready to Create Virtual Machine' step of the 'New Virtual Machine Wizard'. The title bar reads 'New Virtual Machine Wizard'. The main heading is 'Ready to Create Virtual Machine' with the subtitle 'Click Finish to create the virtual machine. Then you can install CentOS 64-bit.' It states 'The virtual machine will be created with the following settings:'. Below this is a list of settings: Name: VM1, Location: G:\Images\VM-Migration\vm1, Version: Workstation 12.0, Operating System: CentOS 64-bit, Hard Disk: 30 GB, Memory: 2048 MB, Network Adapter: Host-only, and Other Devices: CD/DVD, USB Controller, Printer, Sound Card. There is a 'Customize Hardware...' button below the list. At the bottom, there are buttons for '< Back', 'Finish', and 'Cancel'.

17. Once the virtual machine is created, click **edit virtual machine settings** option.

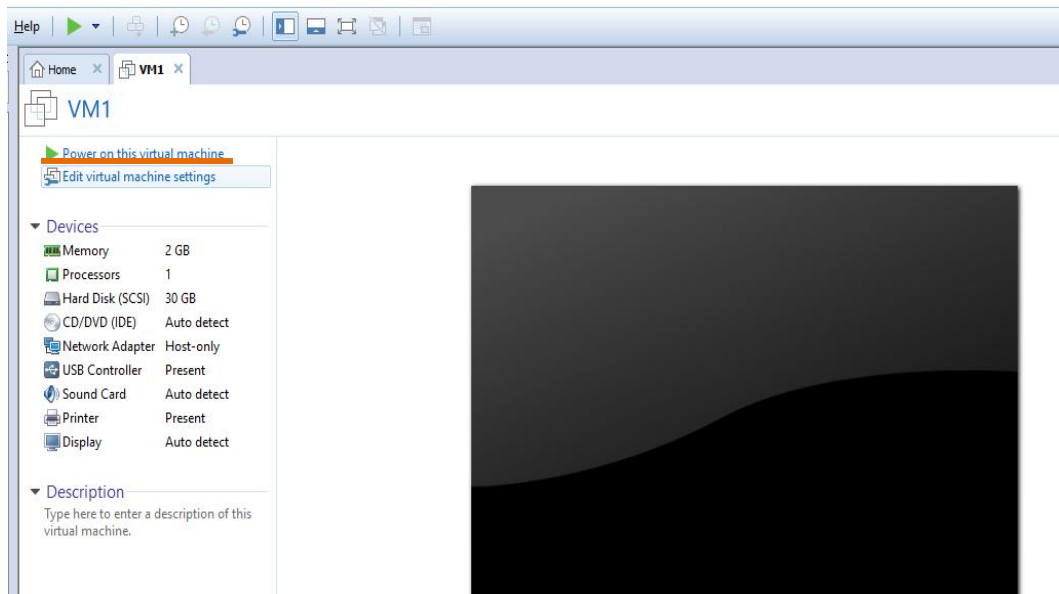


18. In the Virtual Machine Settings window on the left side click CD/DVD option. Then on the right side click "Use ISO image file" option. Then click Browse button and select the path where you have stored the Windows 2008 R2 server ISO image file. Then Click OK.



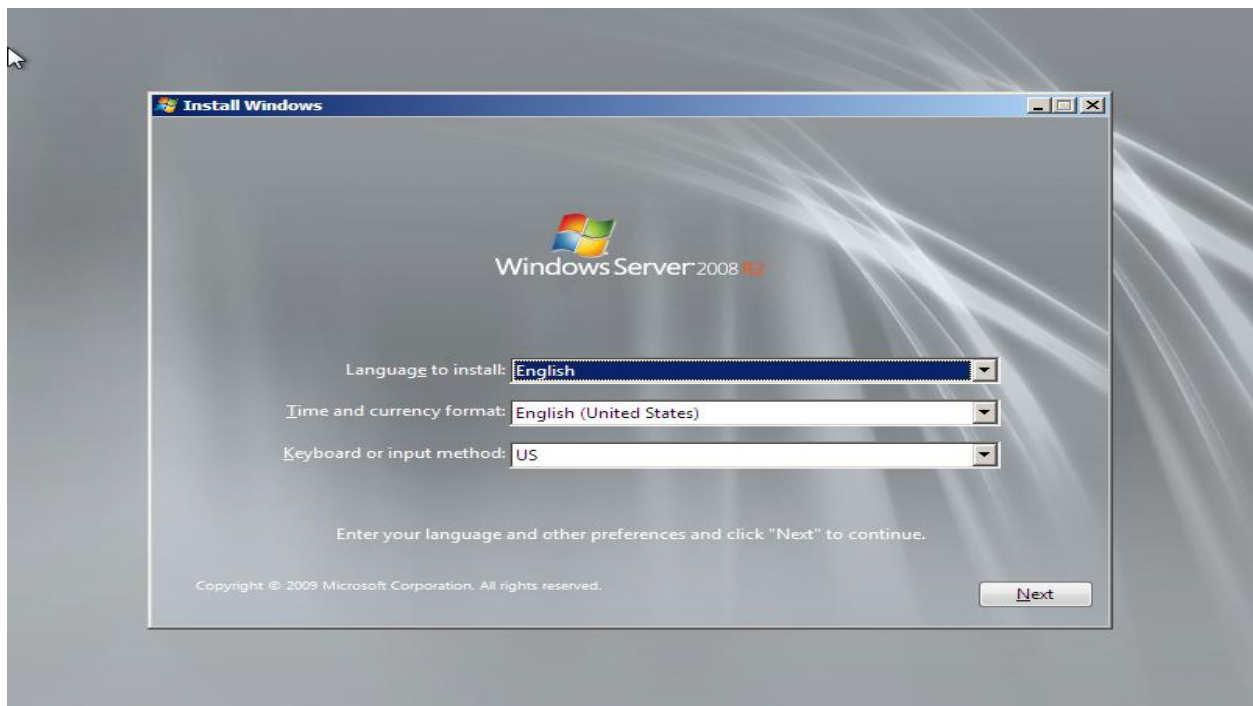


19. Now click “Power on the virtual machine” to start the virtual machine.



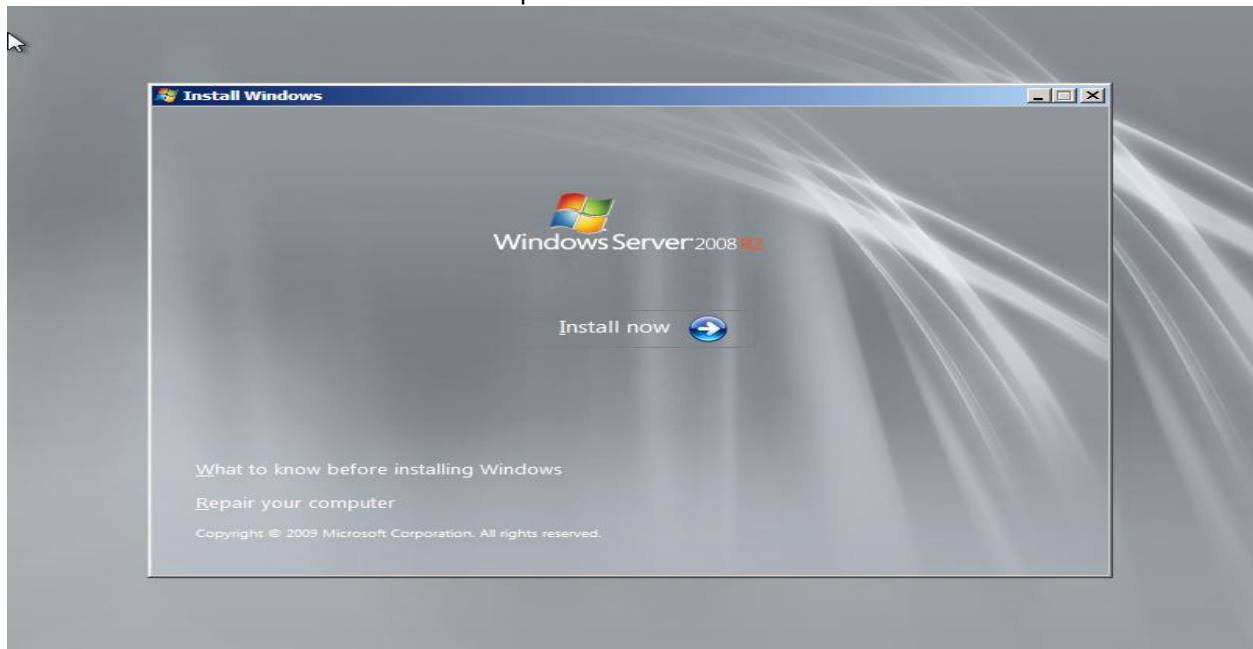
## Windows Installation Steps

1. Once the virtual machine starts following screen is displayed. Click Next to continue.

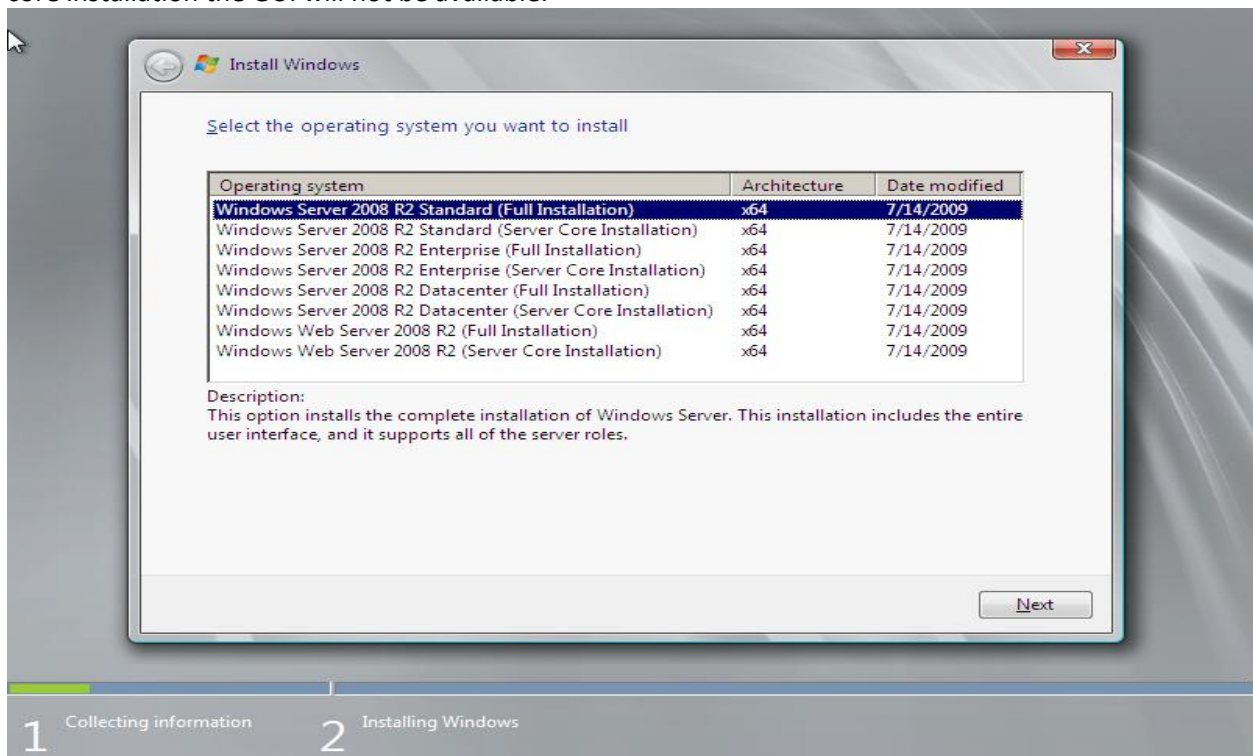




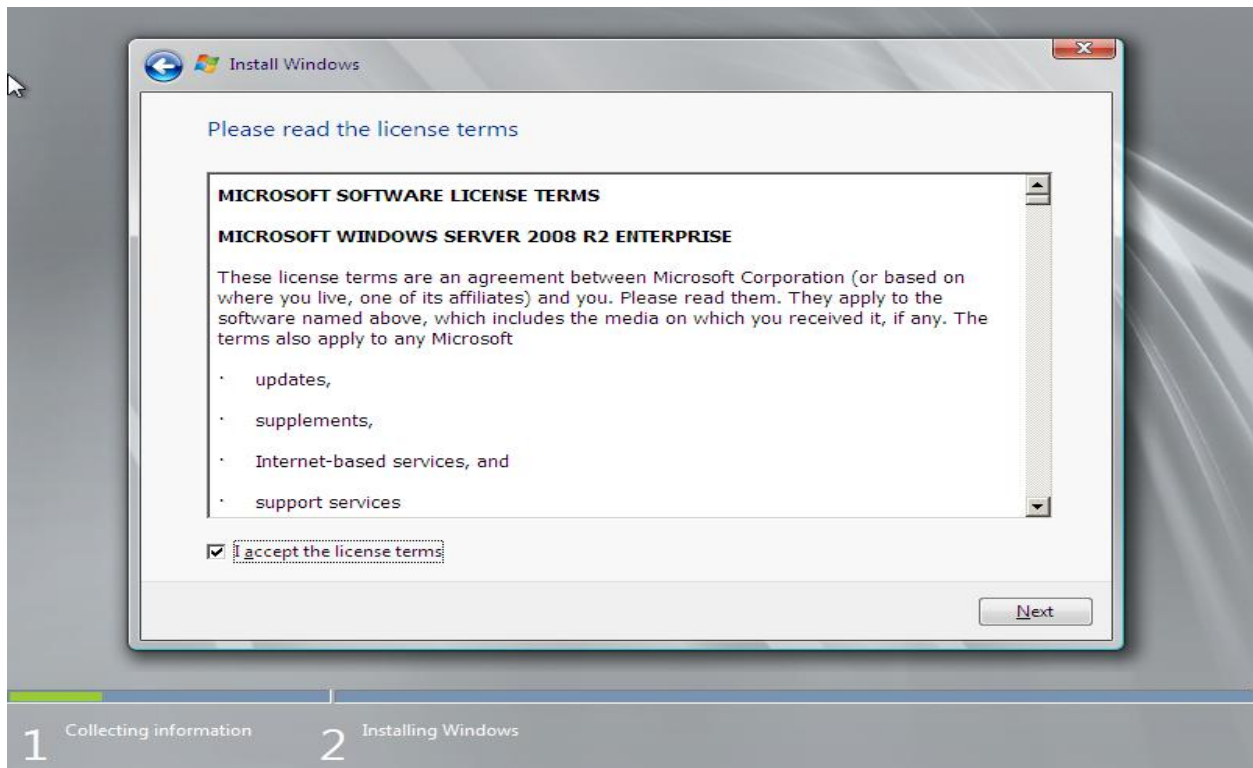
2. On the next screen click “Install Now ” option.



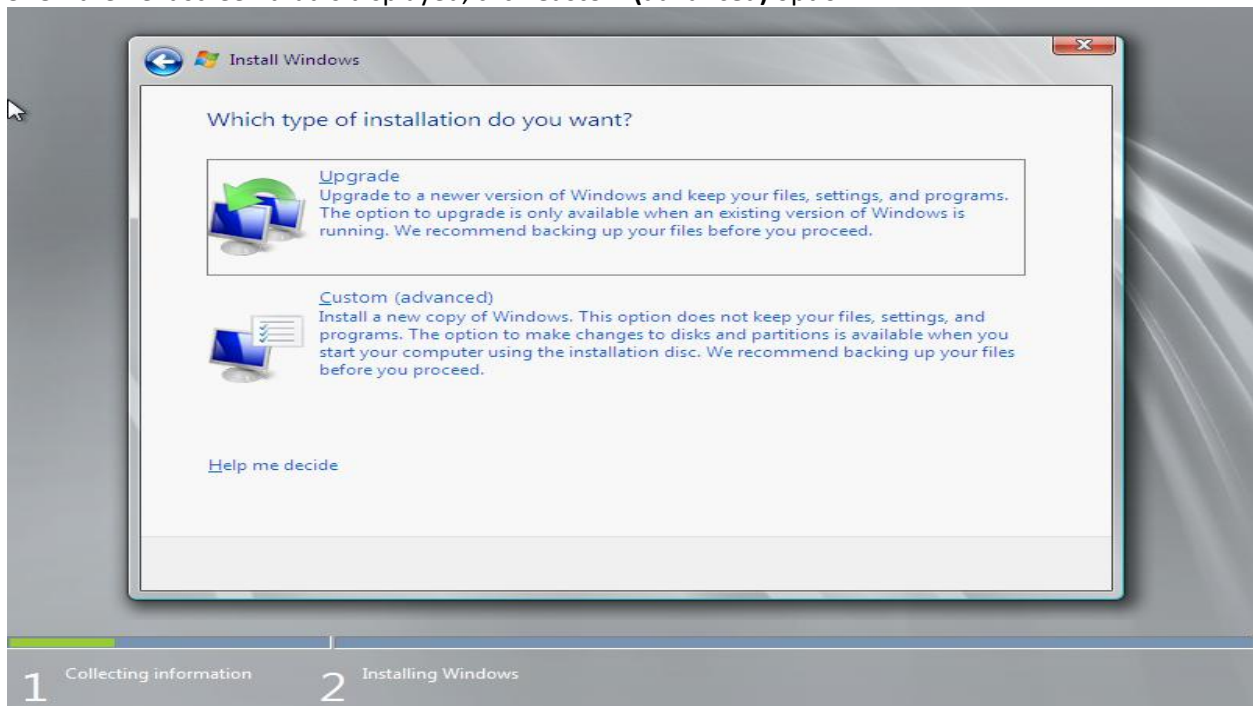
3. On the next screen, options to select the version of Windows to install is shown. As this is evaluation version you can select any version. However make sure you select “**Full Installation**” option. If you select core installation the GUI will not be available.



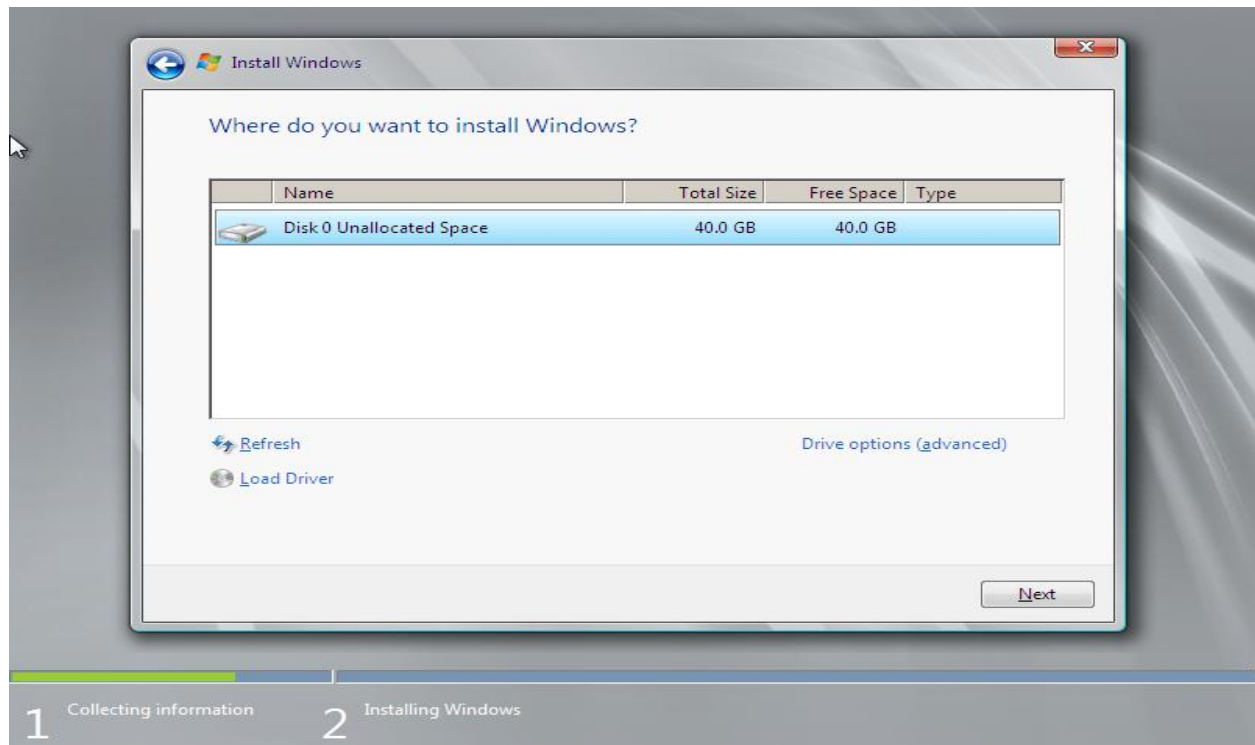
4. On the next screen License agreement is displayed. Click I Accept the license terms check box and click Next.



5. On the next screen that is displayed, click **Custom (advanced)** option.



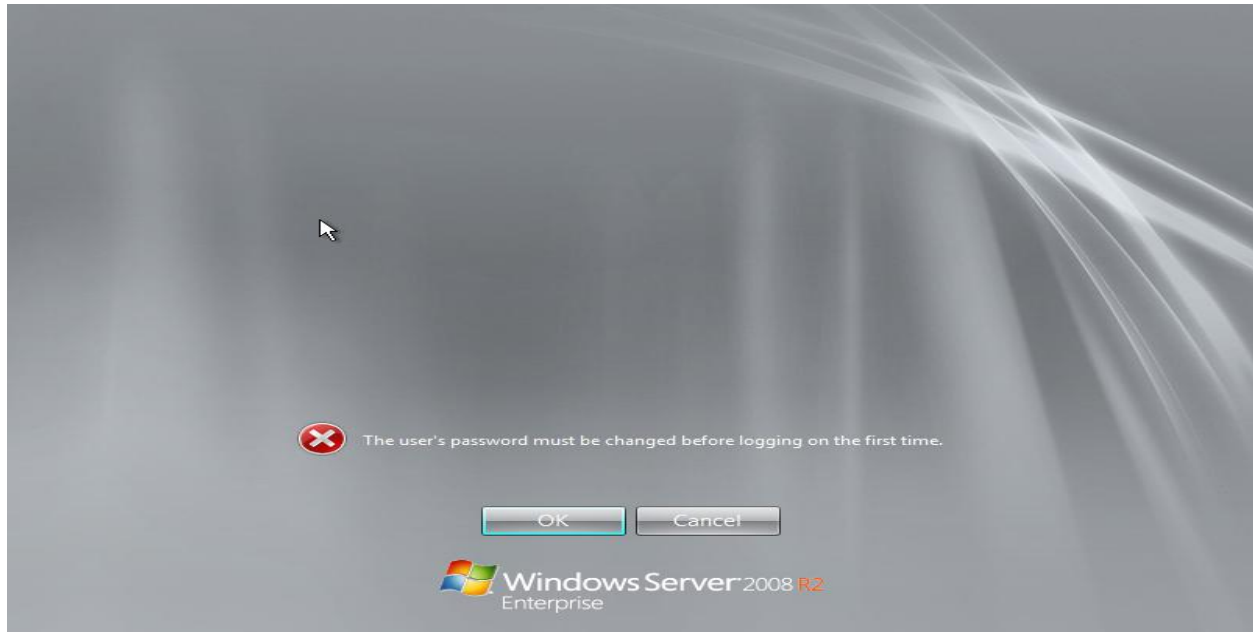
6. On the following screen the hard disk configuration is shown. Here you can create partitions on the hard disk as per your requirement. Click next to create a single partition.



7. Now the Windows installation will start.



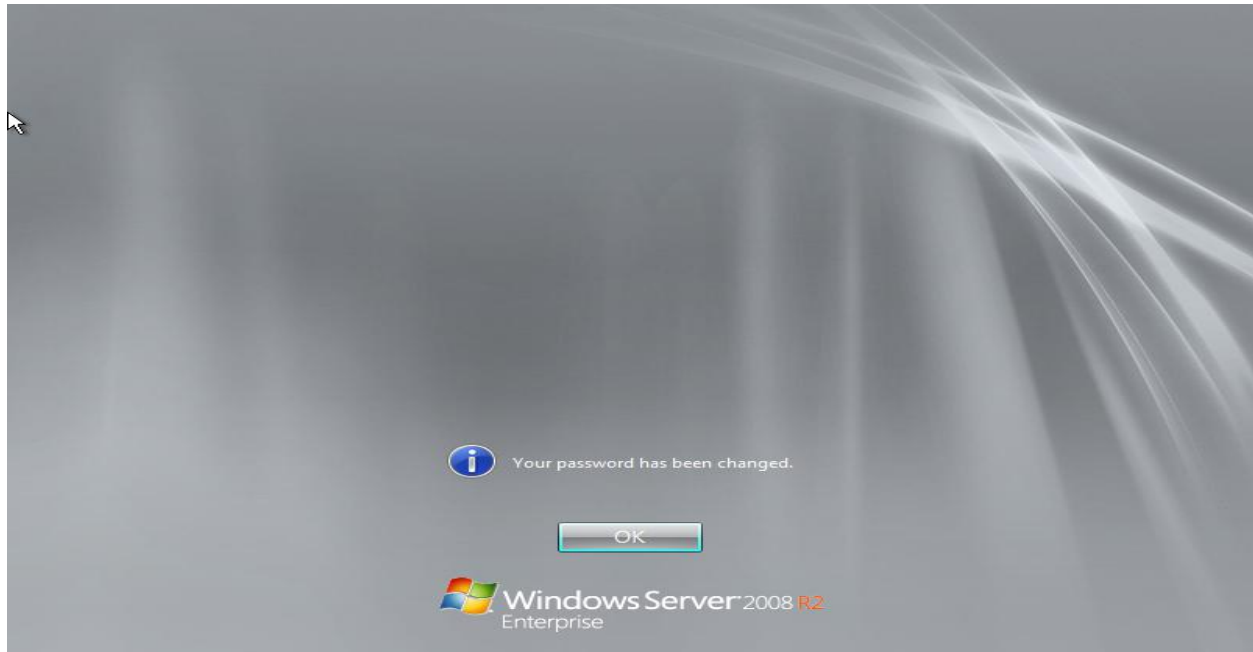
8. Once the installation is complete following screen is displayed. You need to provide a password for the Administrator user. Click Ok to continue.



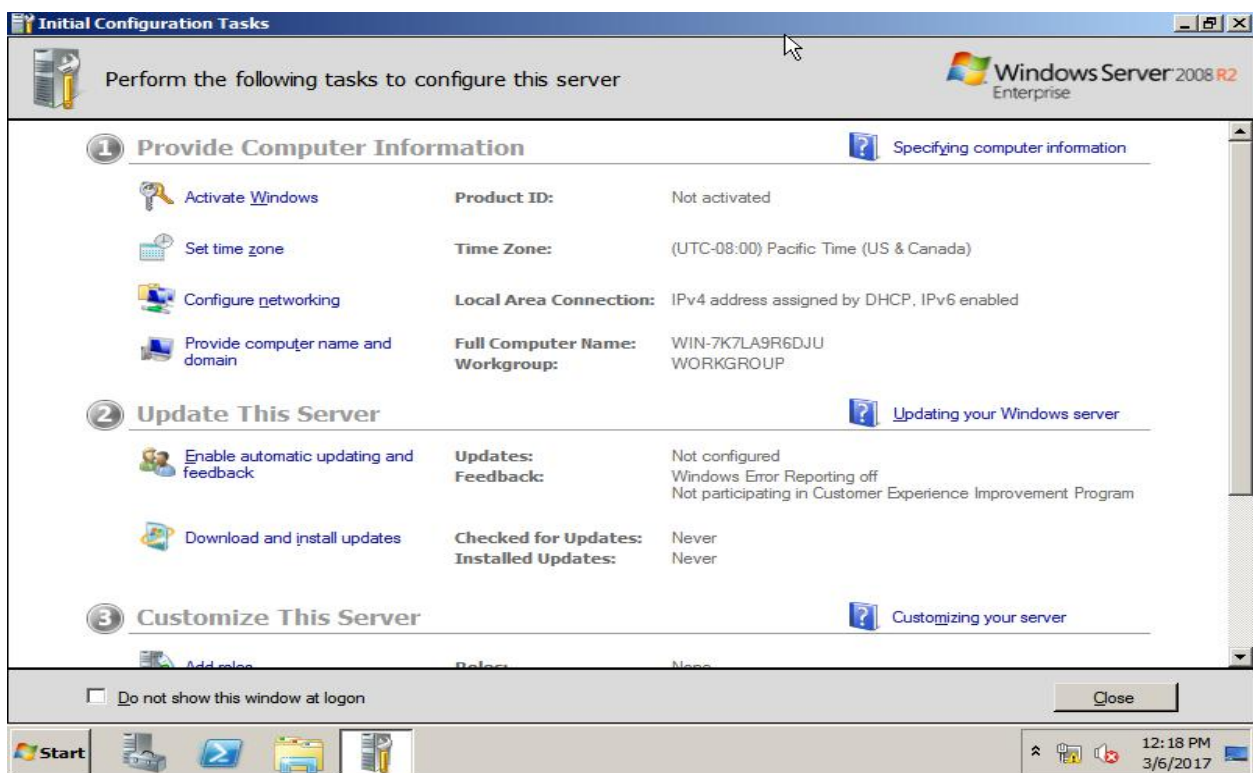
9. On the next screen type password for Administrator user. Re-type the same password in the confirm password field. The password should be minimum 8 characters. The password should contain a capital letter, a special character and small letter. E.g. P@ssword. Once you provide the password click the Blue arrow button to continue.



10. On the following screen click OK.



11. Now Windows starts and following screen is displayed.



On the above screen, Use **"Set Time zone"** option to set correct time zone and date and time. Use **Configure networking** tab to assign IP address to the server. Use **Provide computer name and domain** option to set a name for the server.