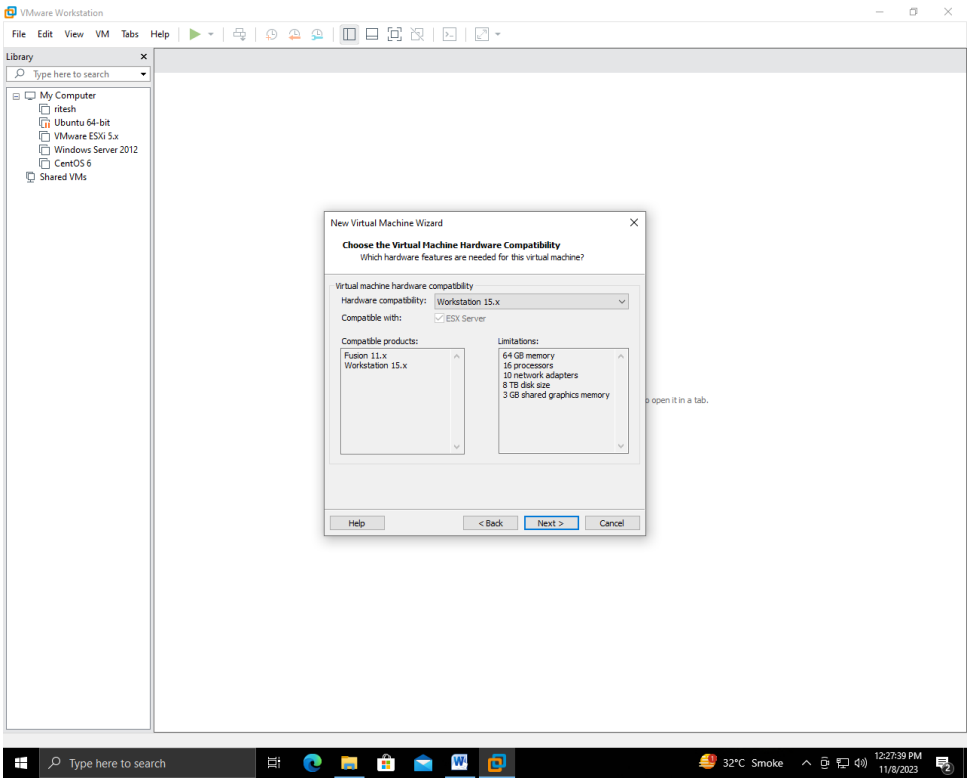
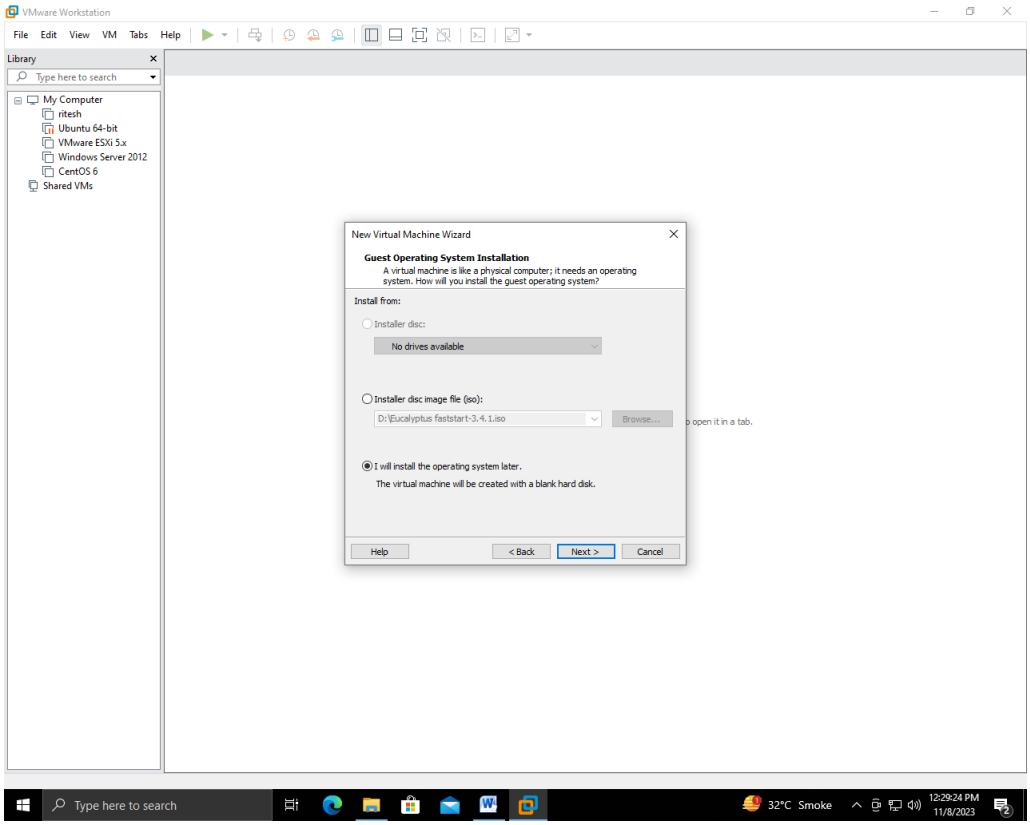
Practical 7 – Implement server cluster with Windows Server 2012.

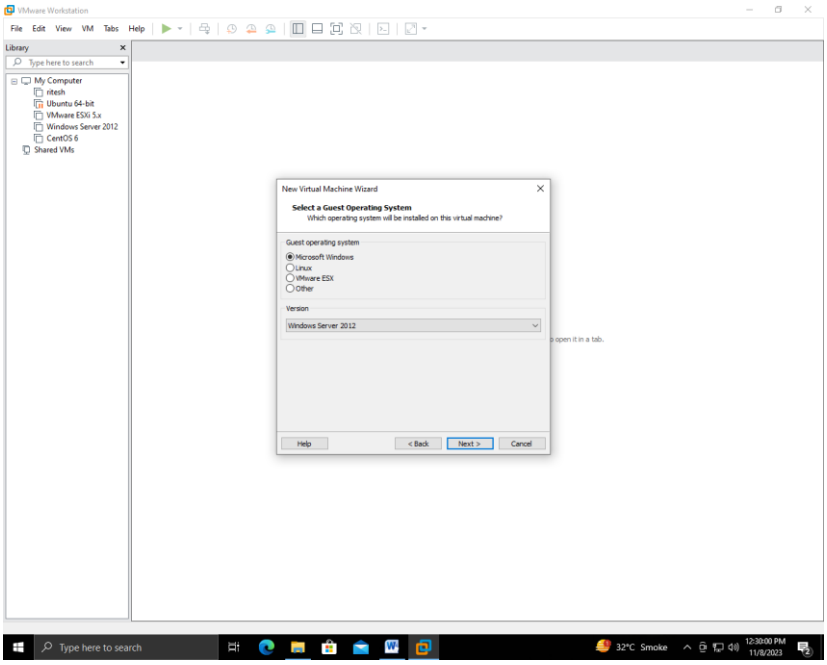
Step 1 – Create new virtual machine



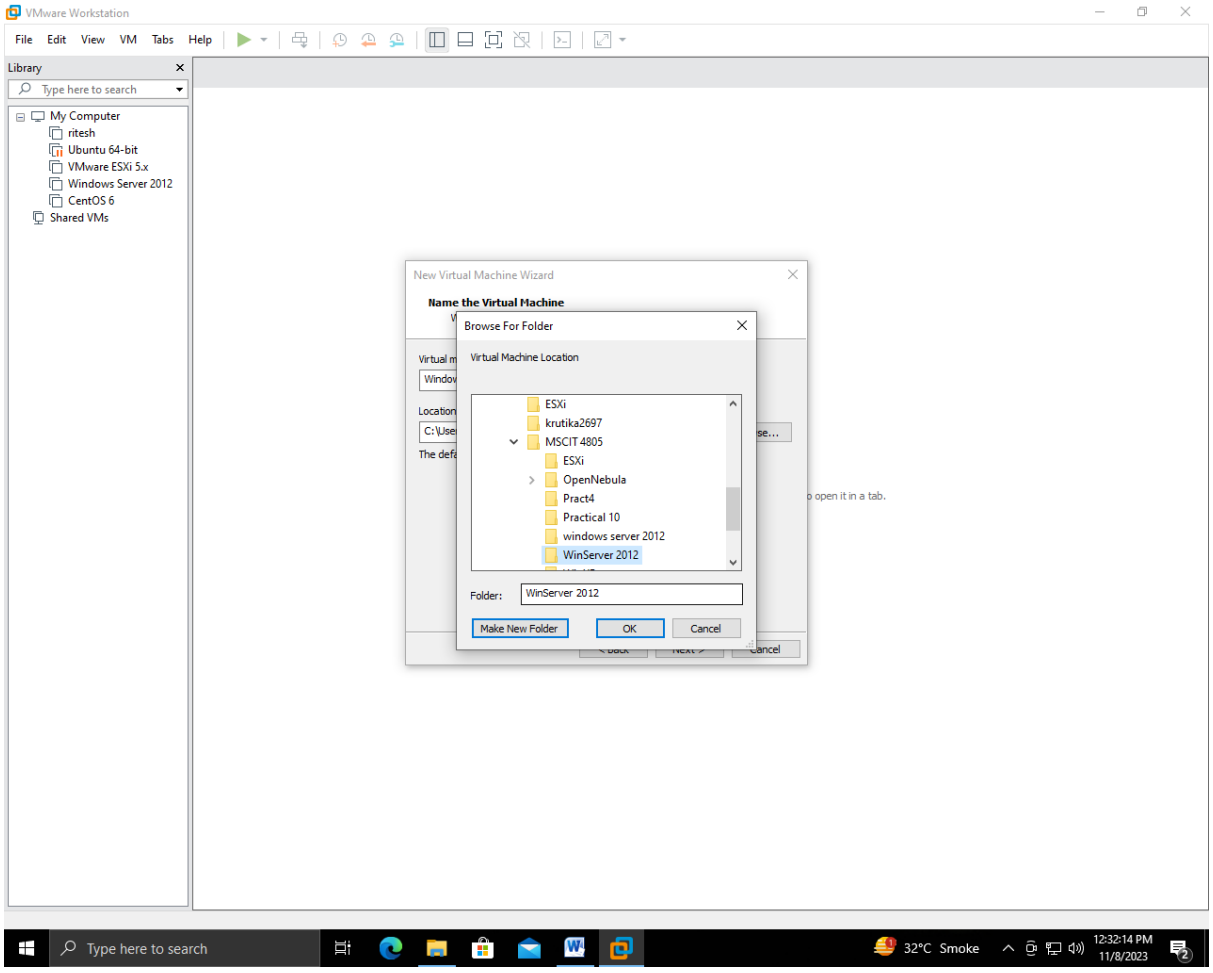
Step 2 – Select radio button I will install operating system later.

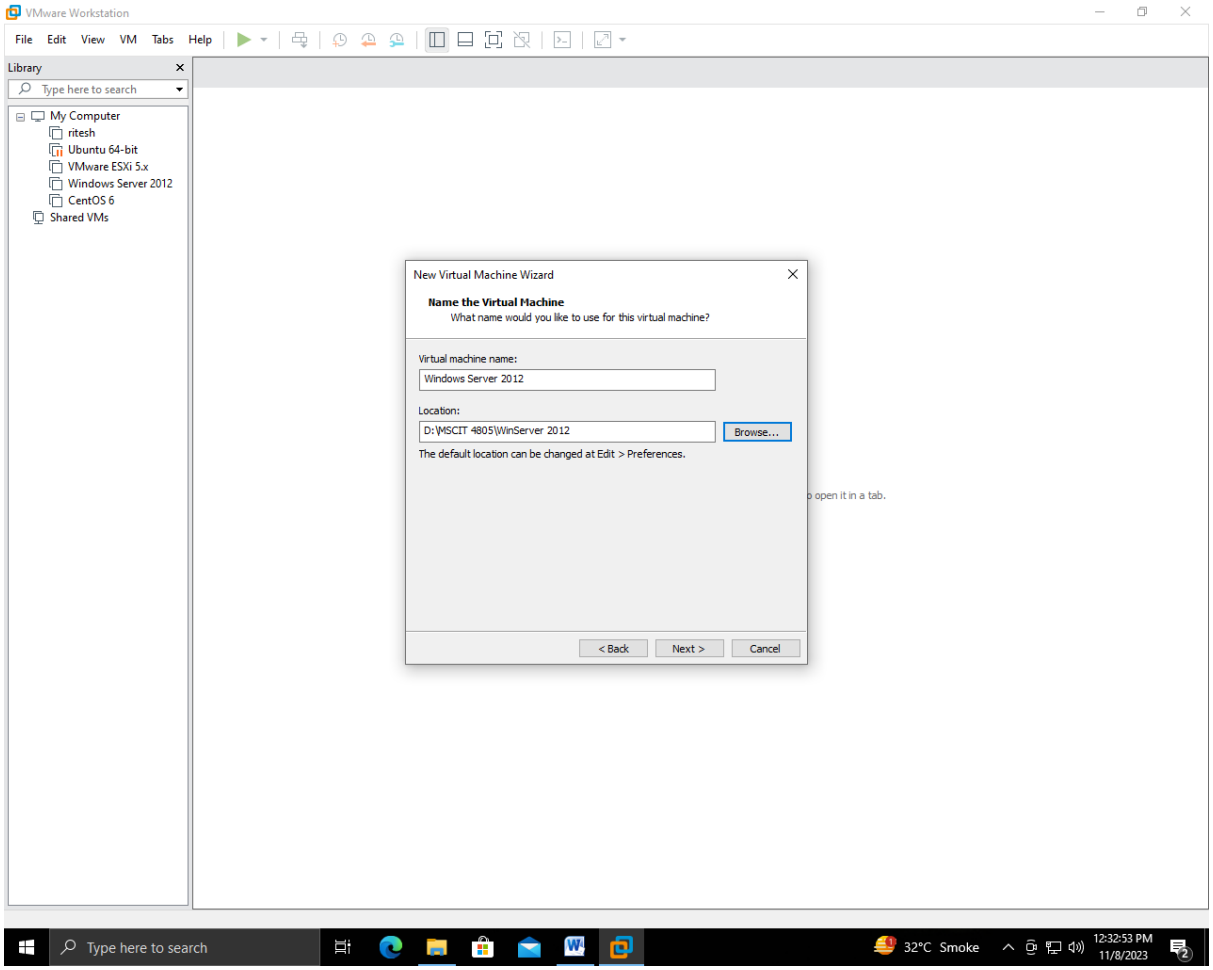


Step 3 – Select radio button Microsoft windows.

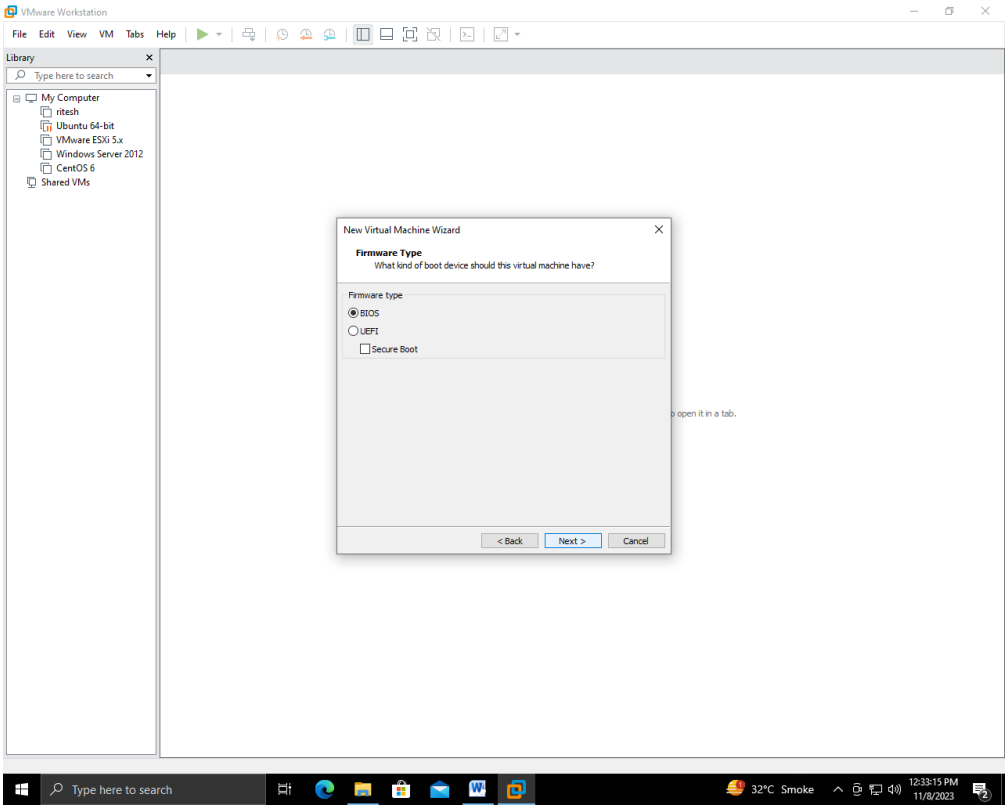


Step 4 - Create new folder

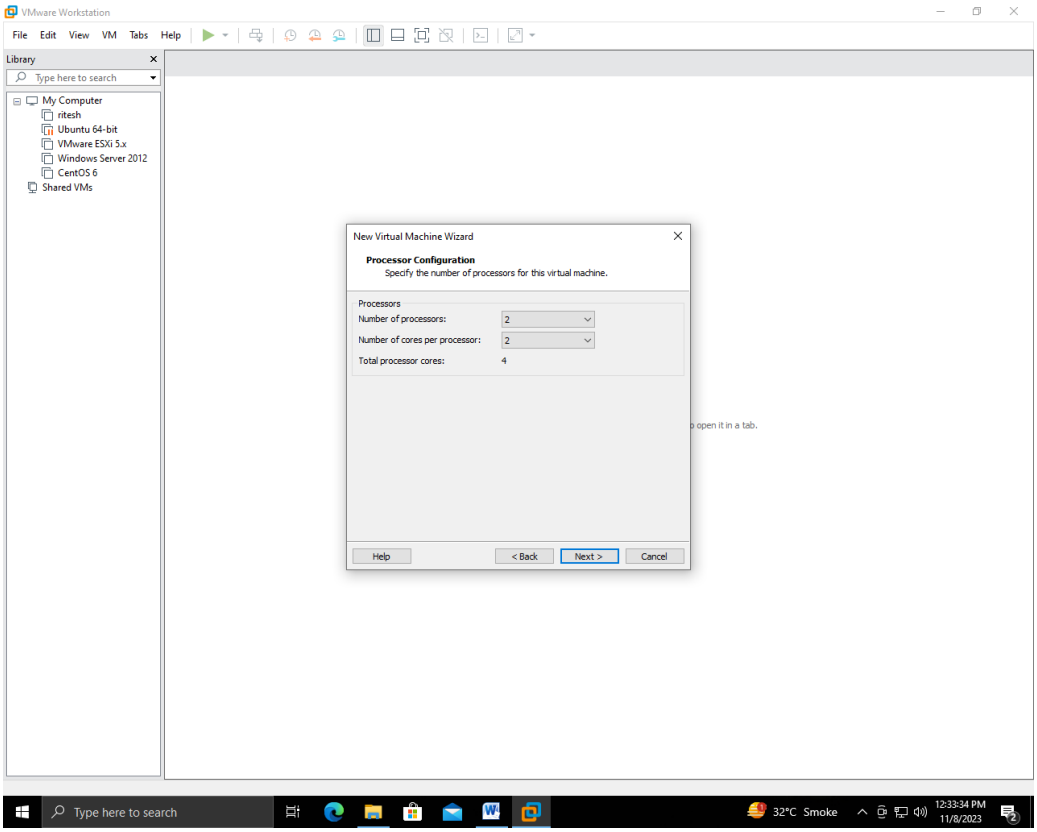




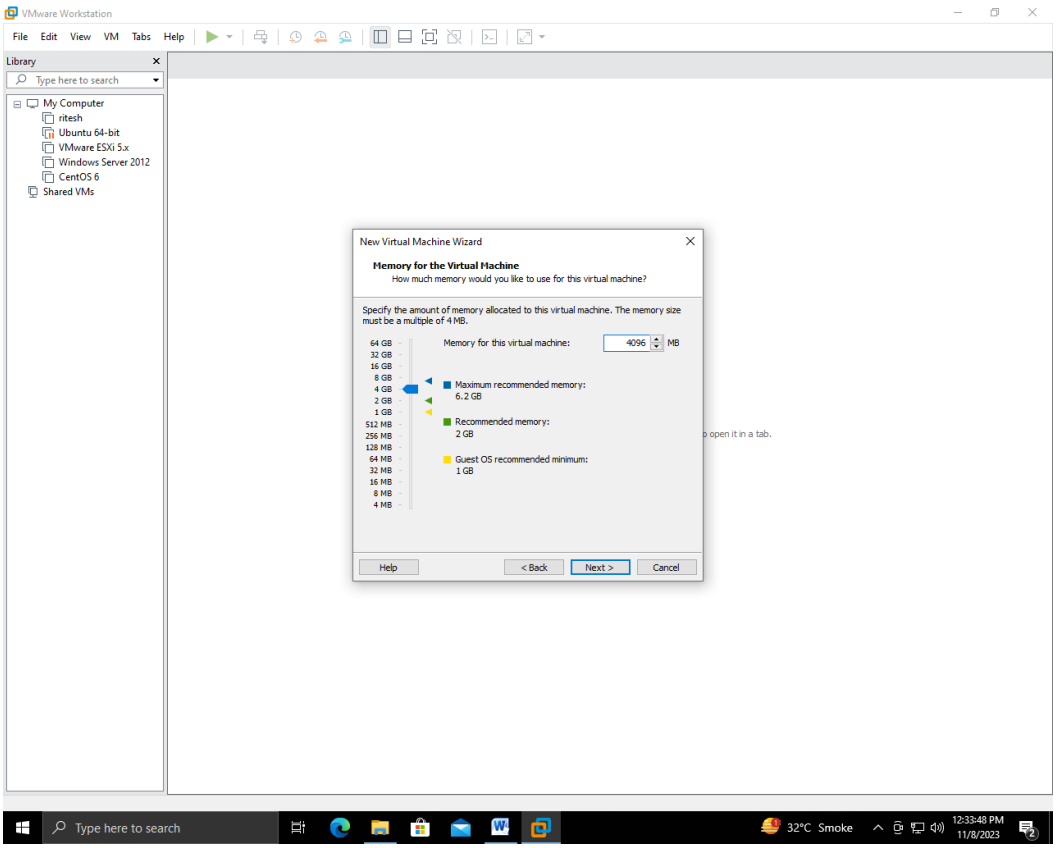
Step 5- select firmware type as BIOS



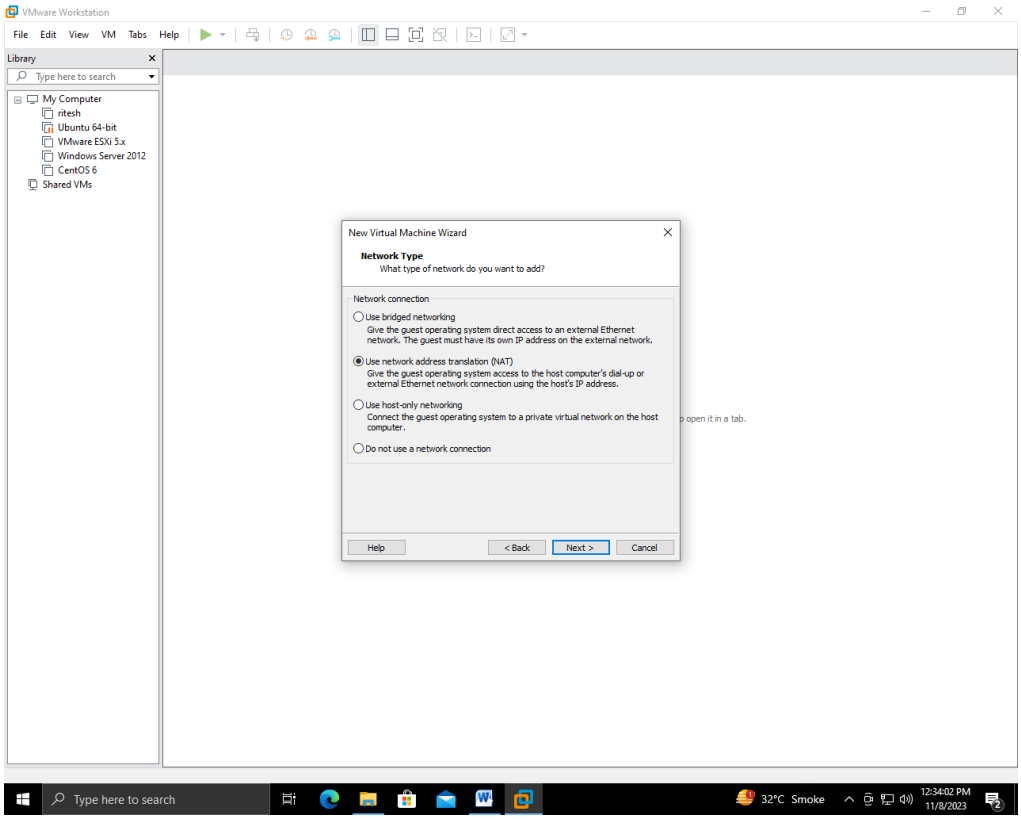
Step 6- select processor count as 2 and core count as 2.



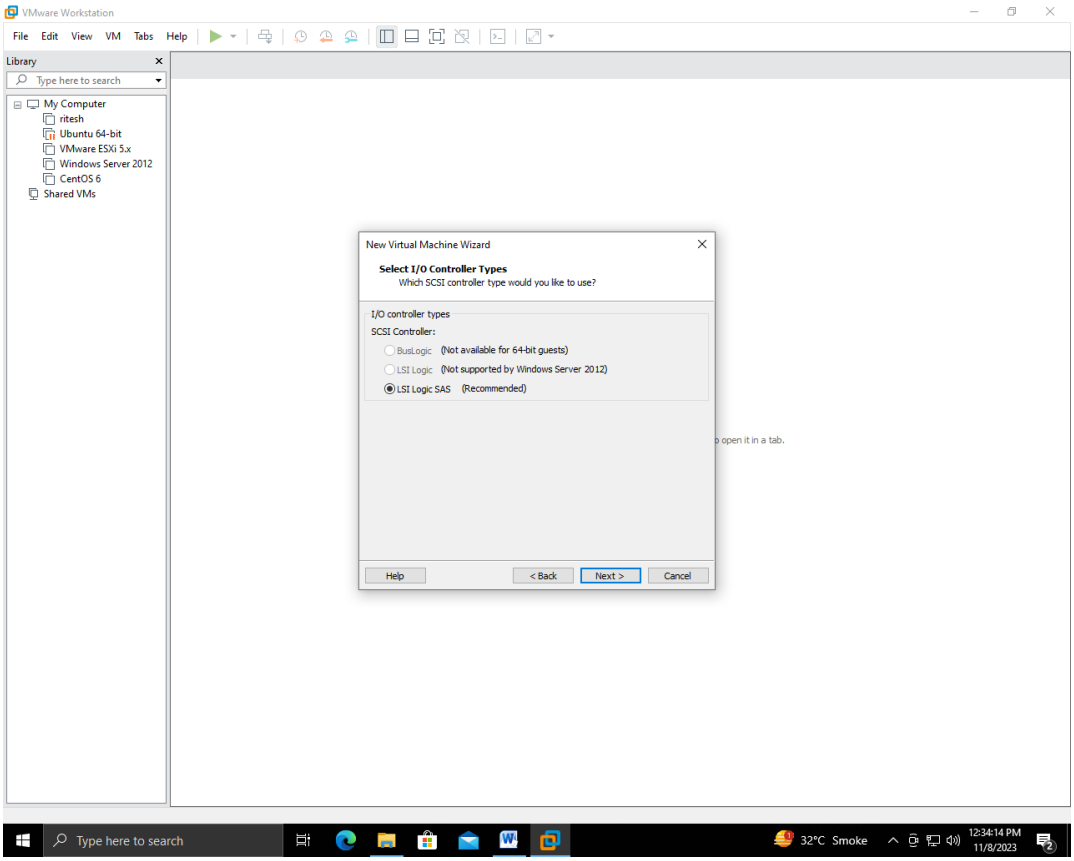
Step 7 – select RAM size as 4096MB.



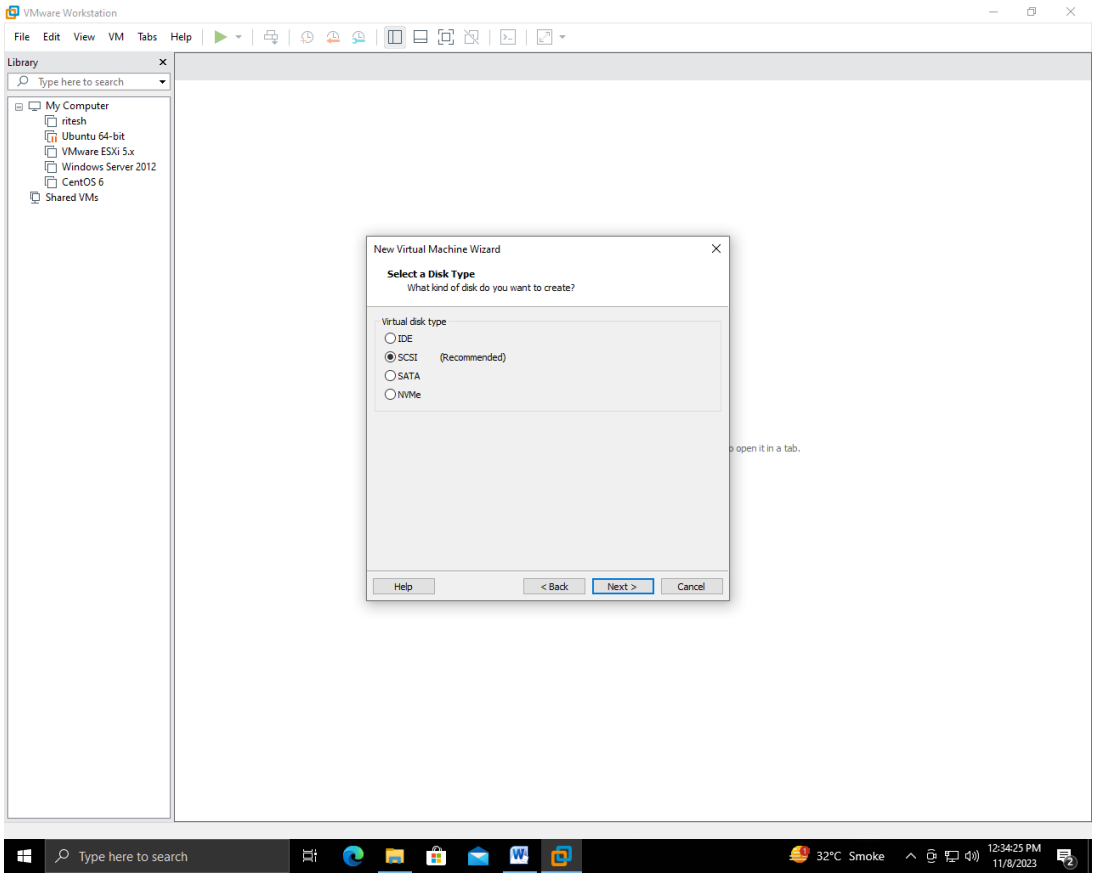
Step 8- select Network Adapter as NAT.



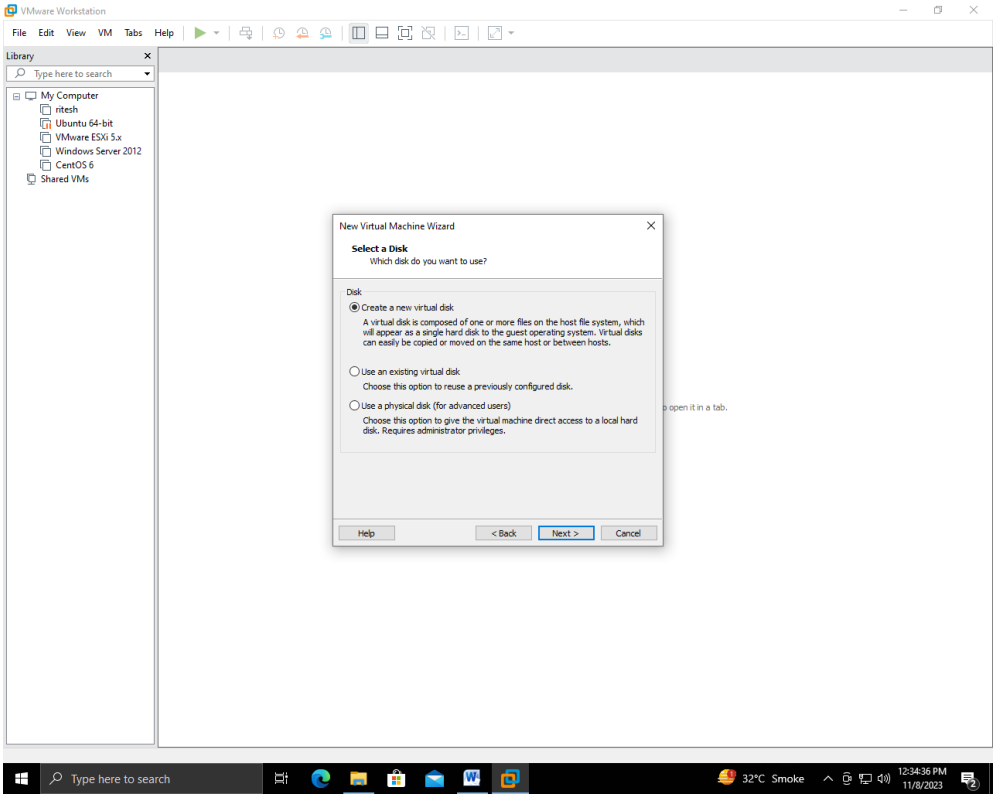
Step 9- select I/O controller type as LSI LOGIC SAS



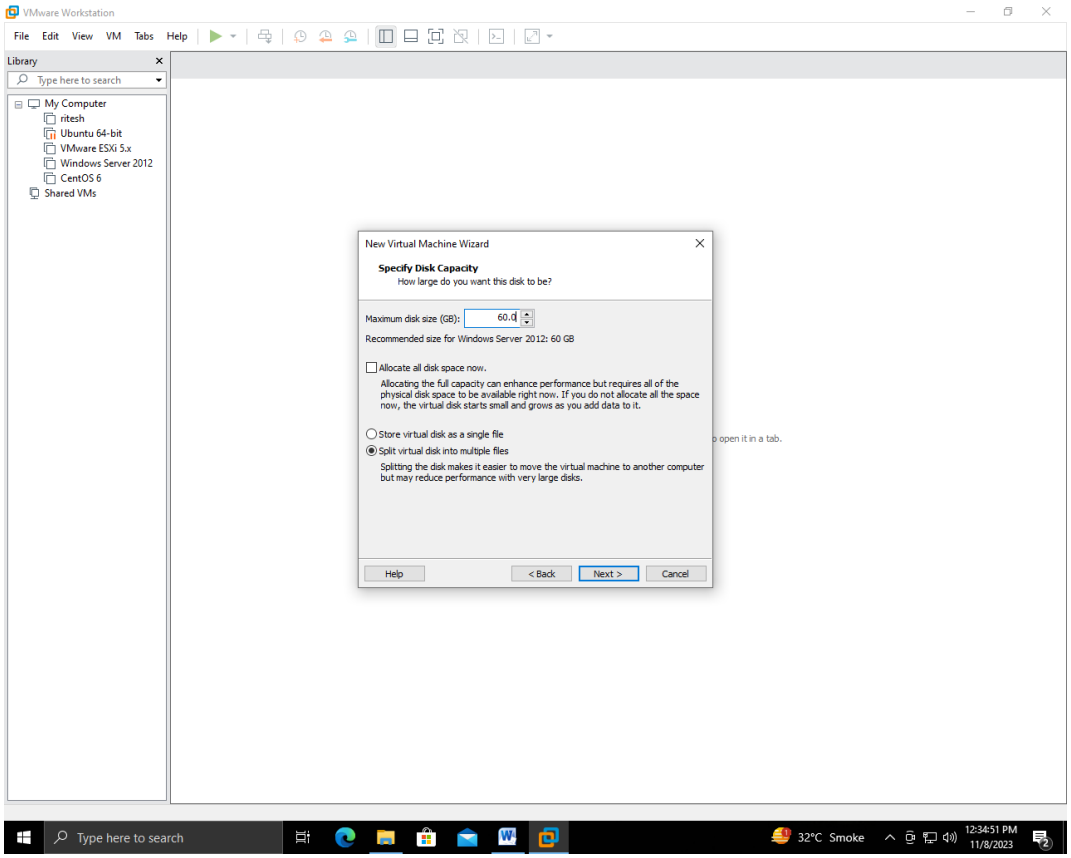
Step 10- Select disk type as SCSI.



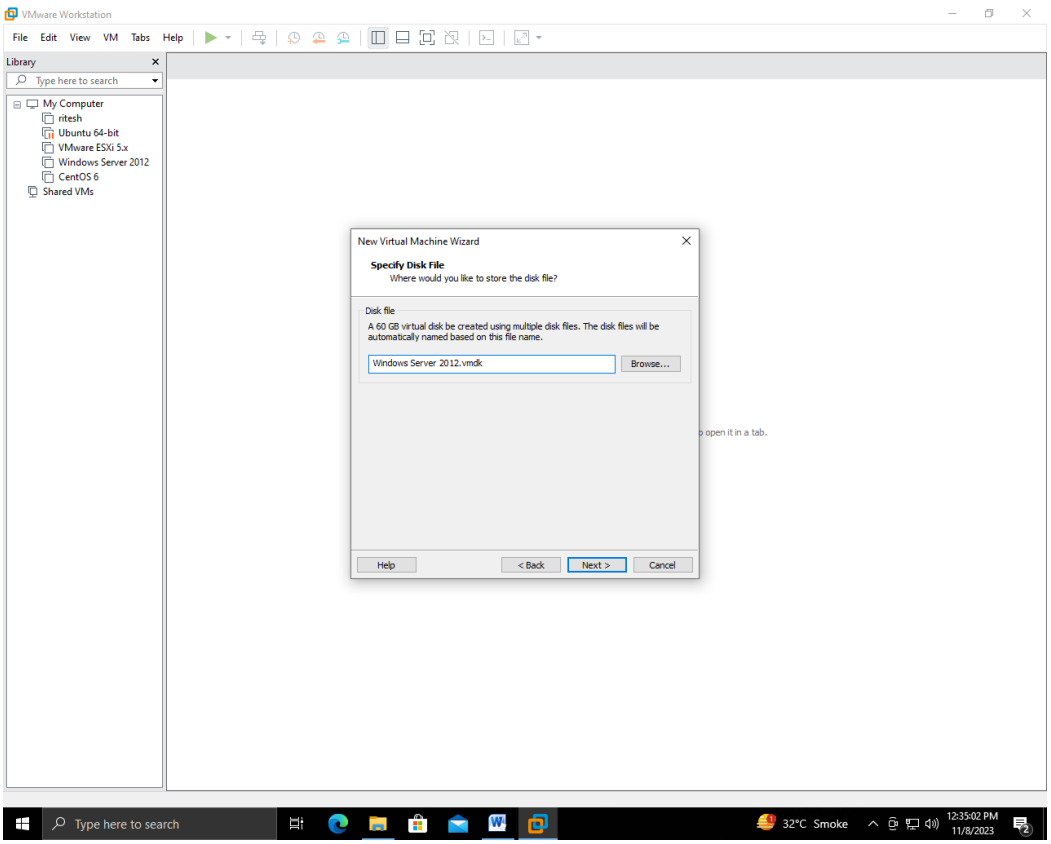
Step 11- Select Create a new virtual disk.



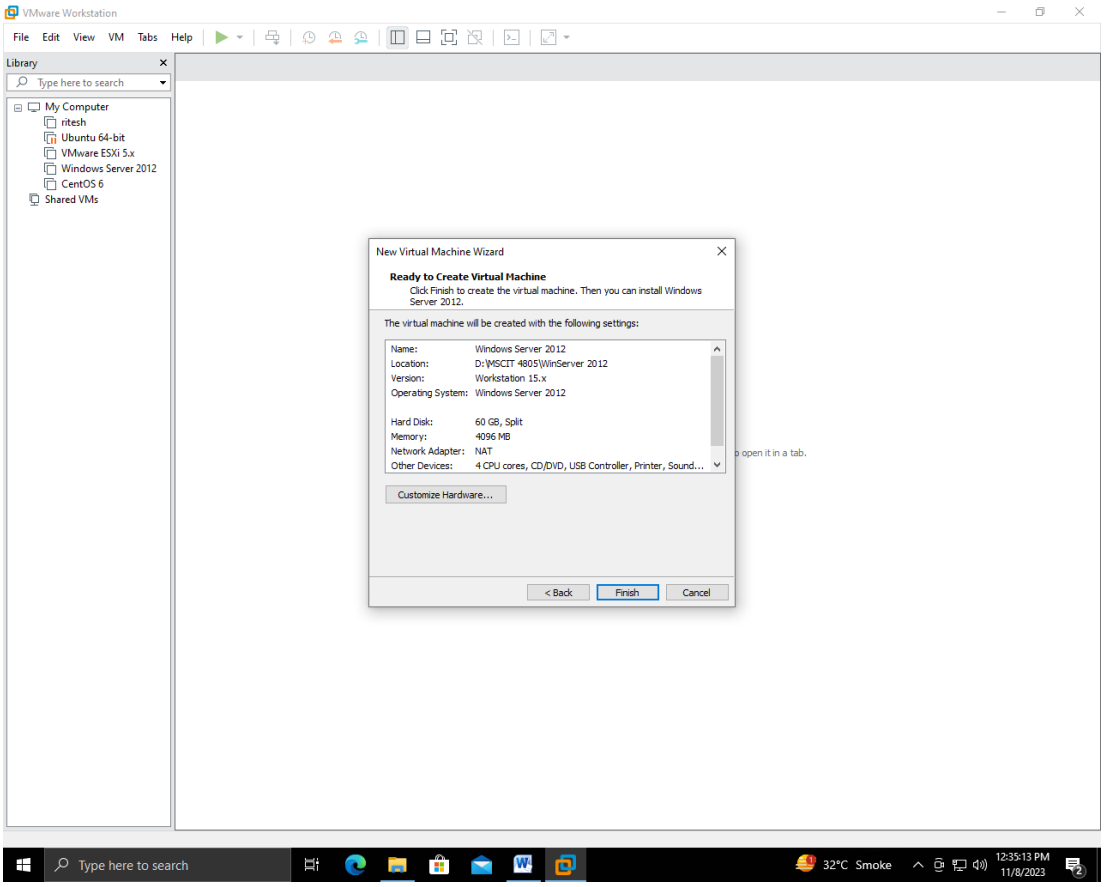
Step 12- Give virtual disk a disk size of 60GB.



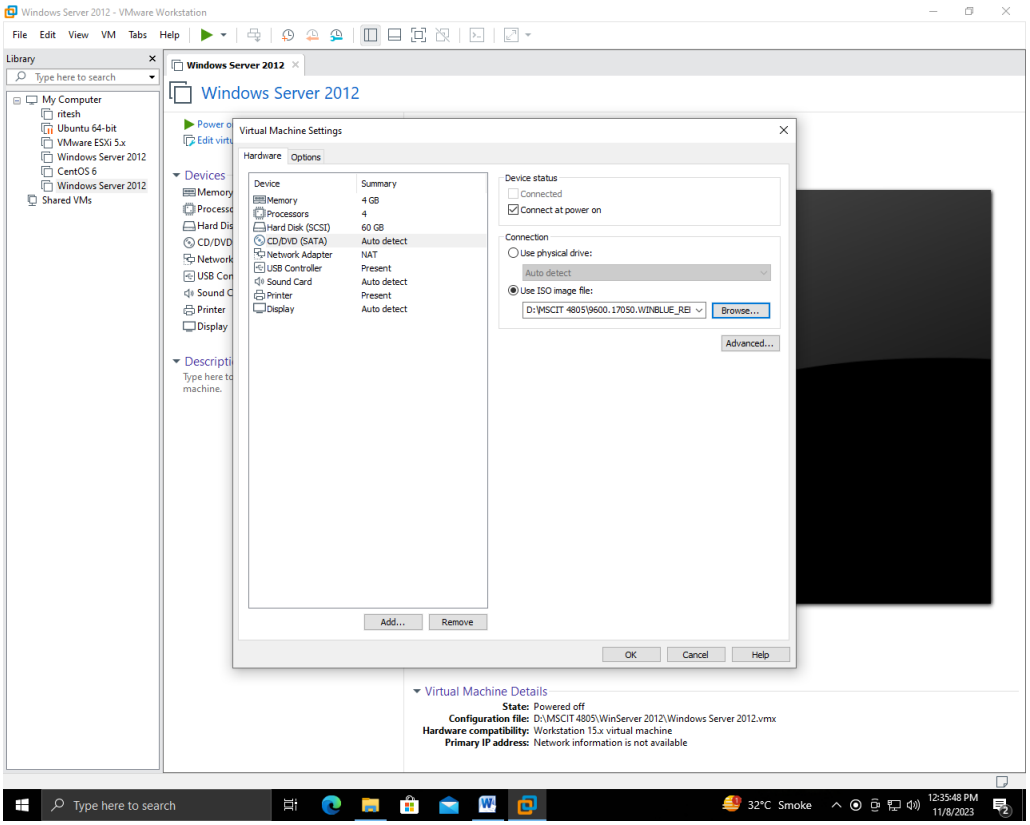
Step 13- select location for disk file.



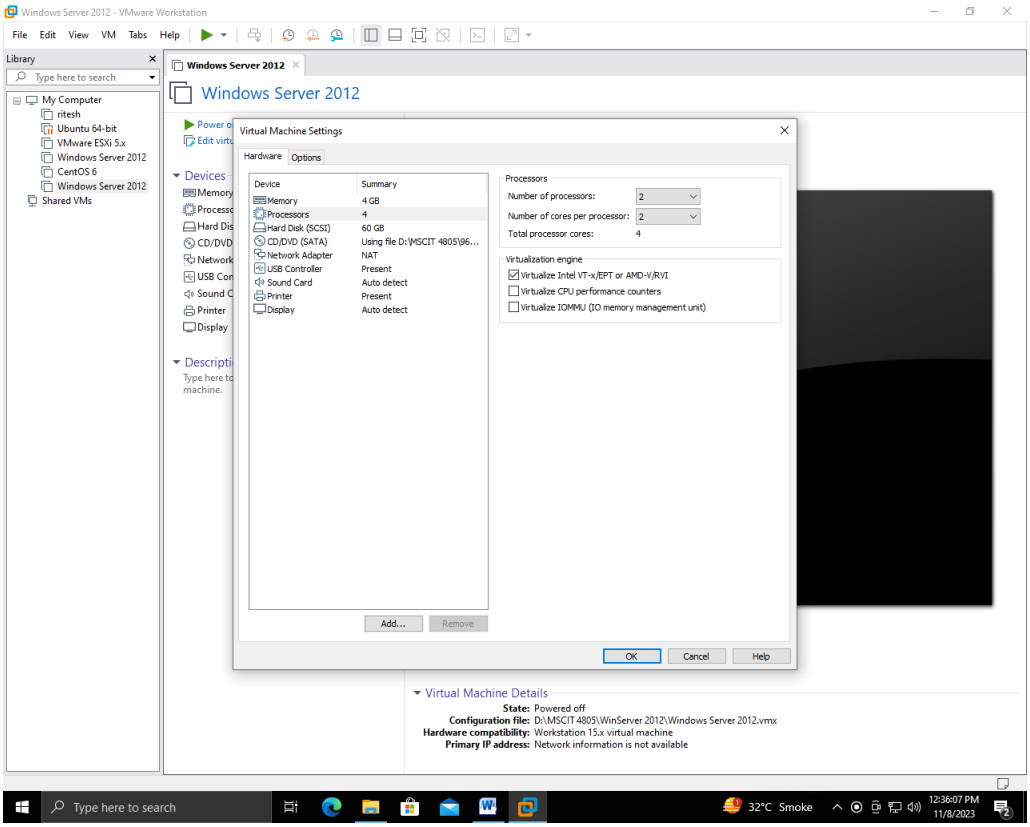
Step 14- A summary will be shown in a new dialog box > then click on finish.



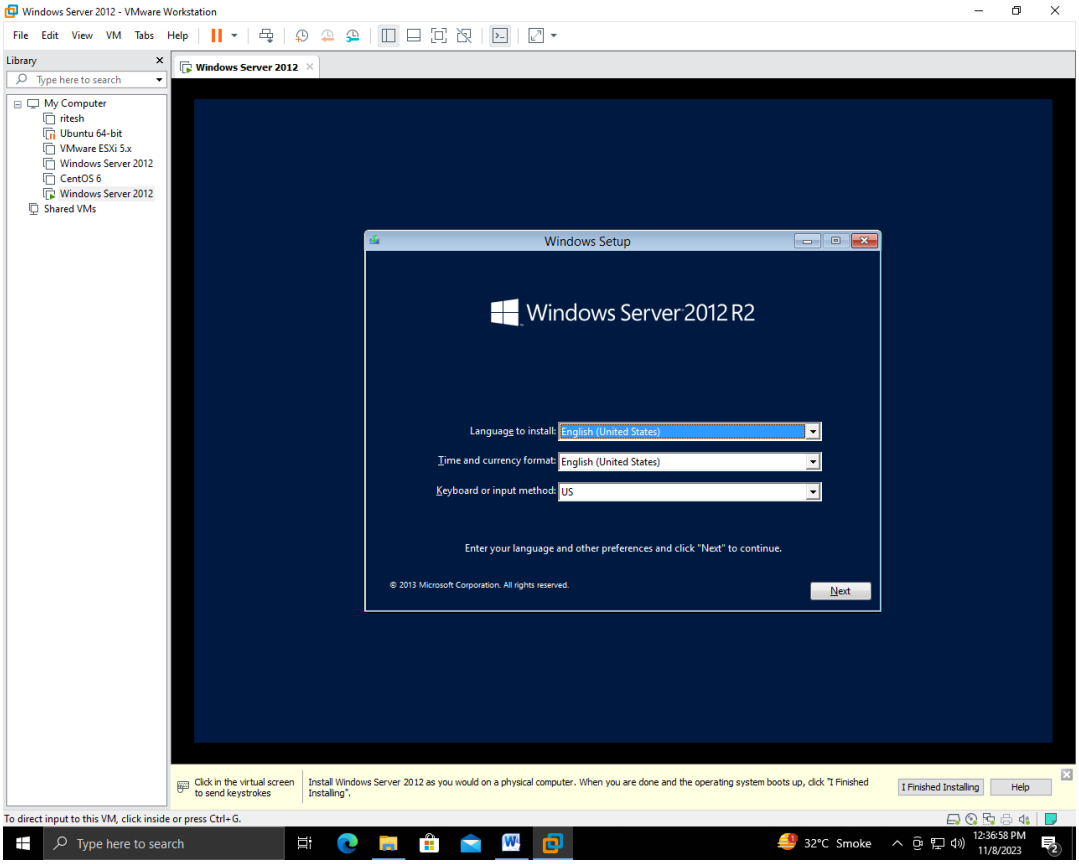
Step 15- click on CD/DVD > select ISO image file (Operating System).



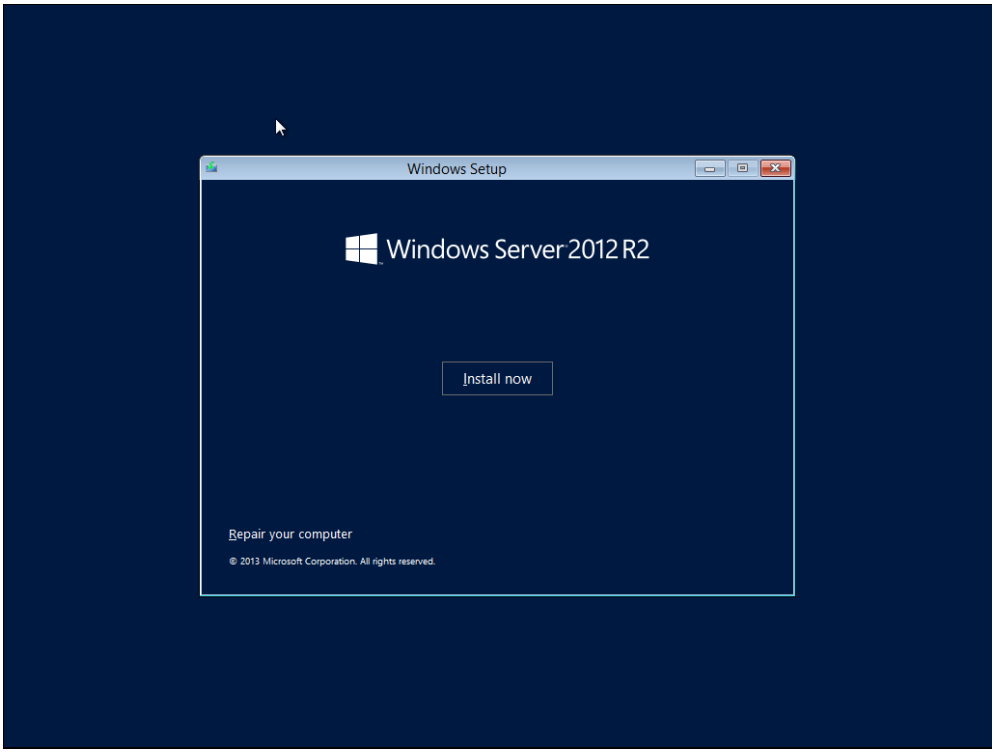
Step 16 – click on Processors >check checkbox with label as Virtualize Intel VT.



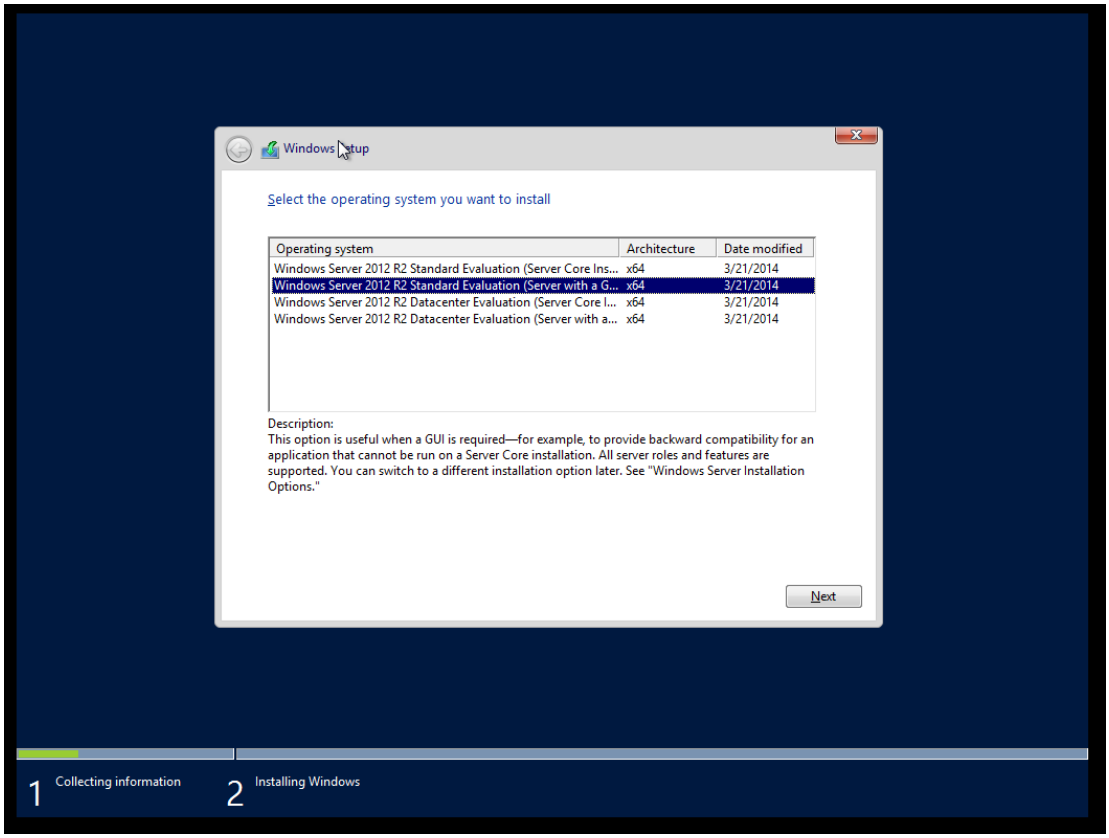
Step 17- start to bring the VM to life.



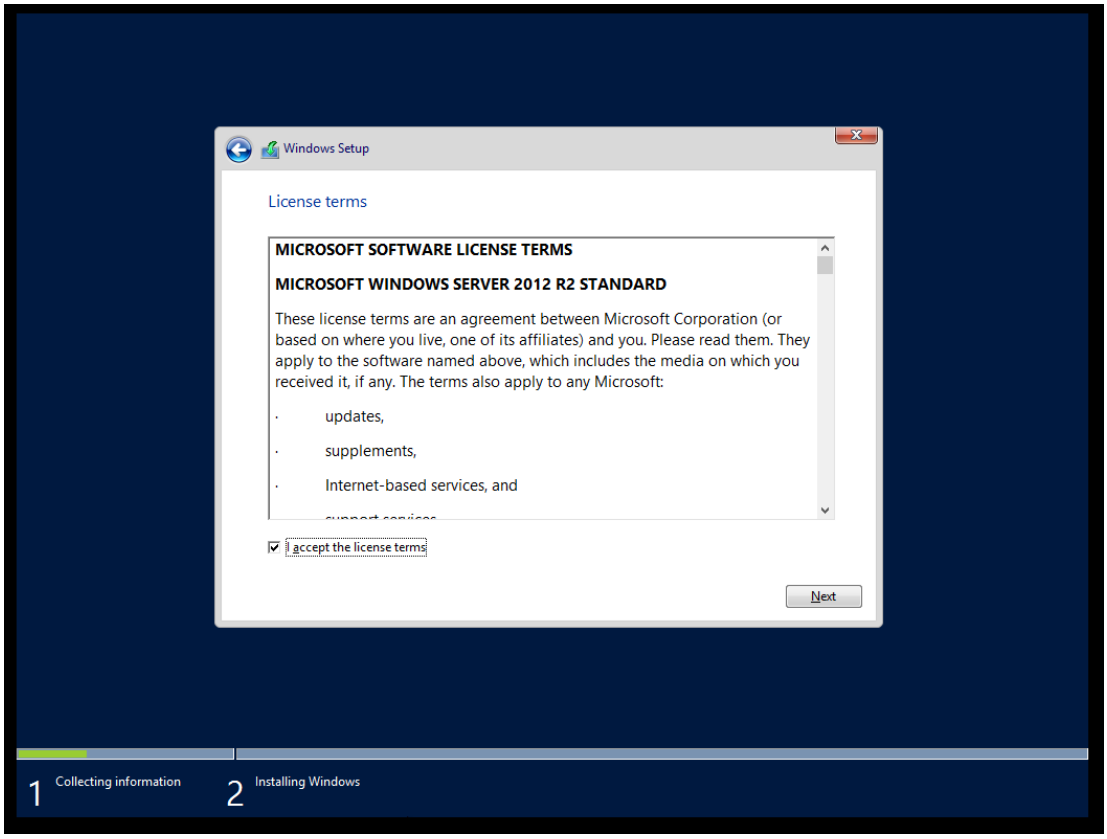
Step 18 - Windows server setup > install now.



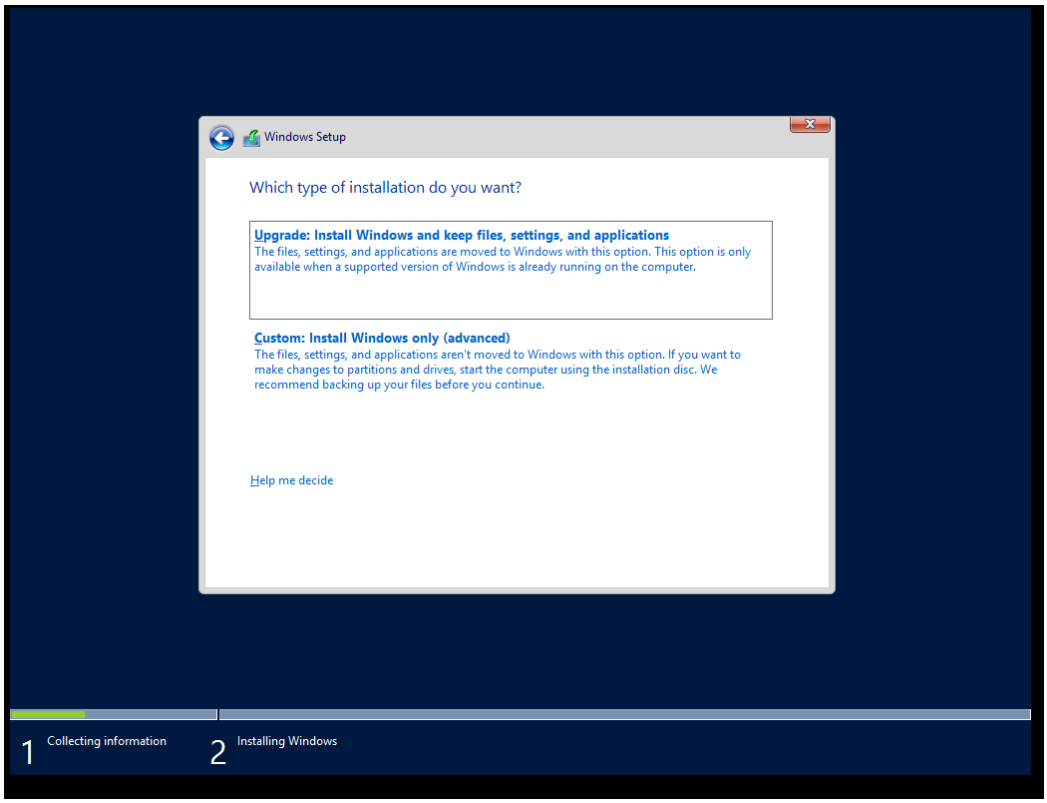
Step 19 – Windows Server 2012 R2 Standard Evaluation (Server with a GUI interface).



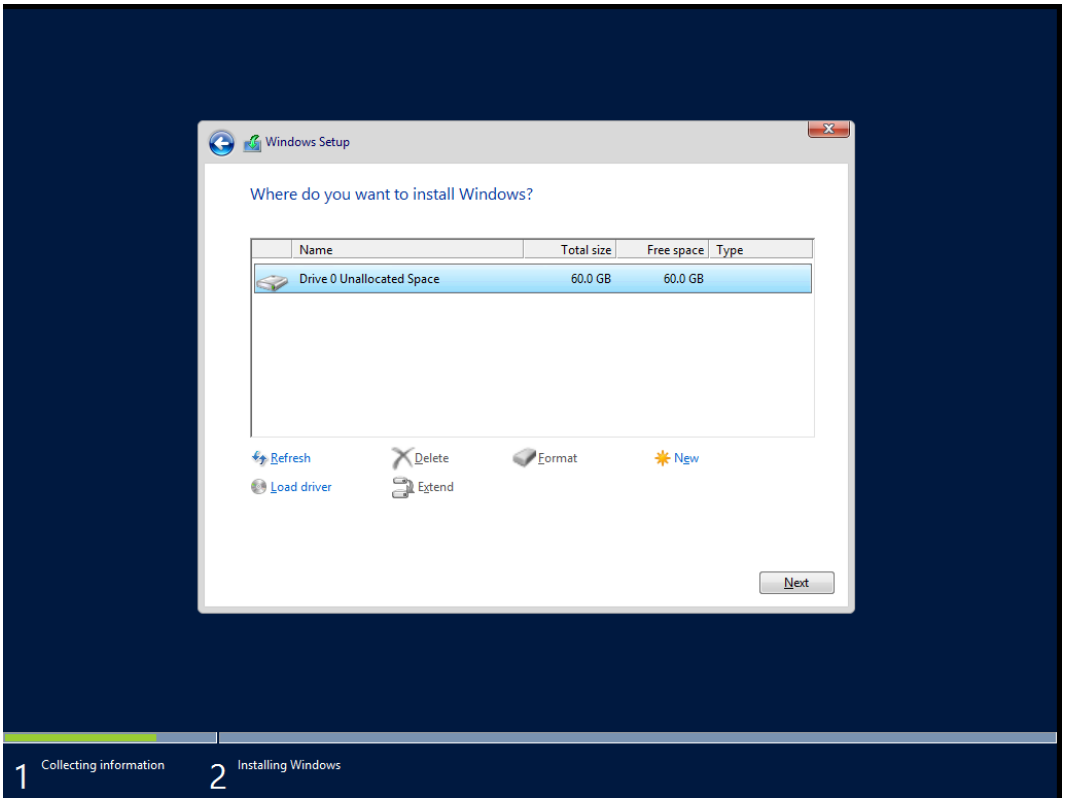
Step 20 – Accept the license > then click on next.



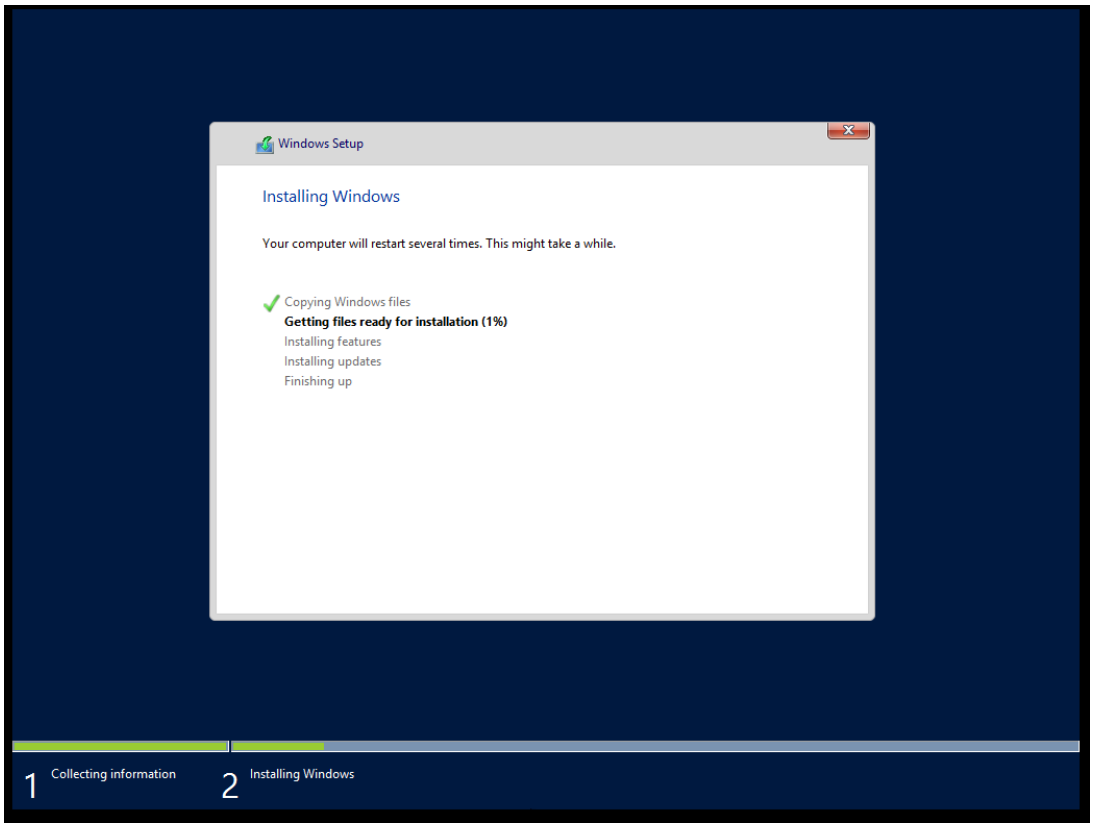
Step 21 – select custom installation.



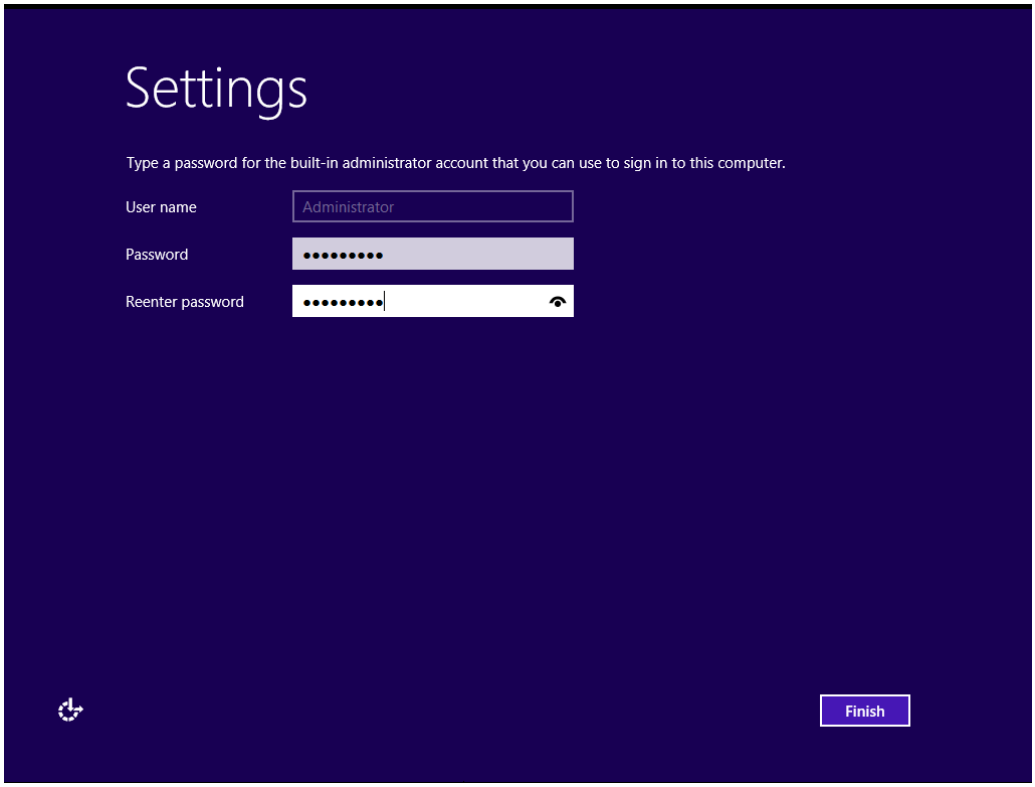
Step 22 – select the ‘Drive 0 unallocated space’ > click on next.



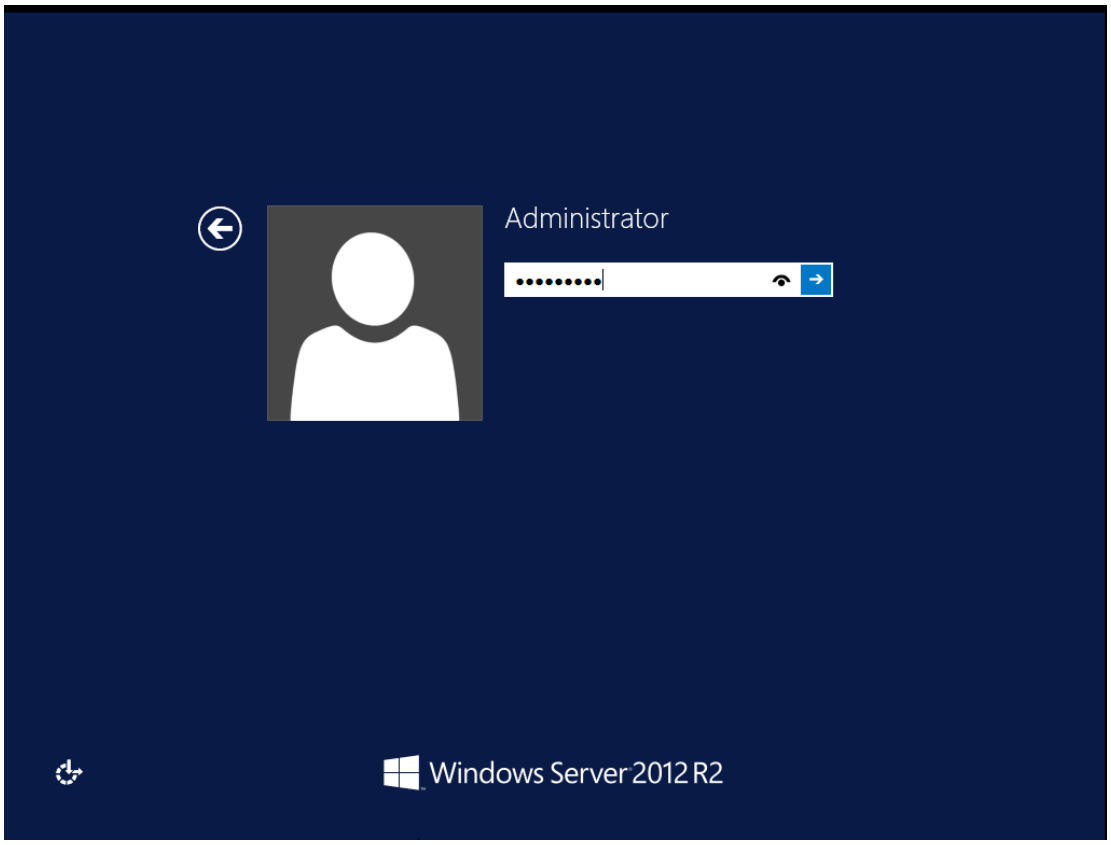
Step 23 – Installation will start



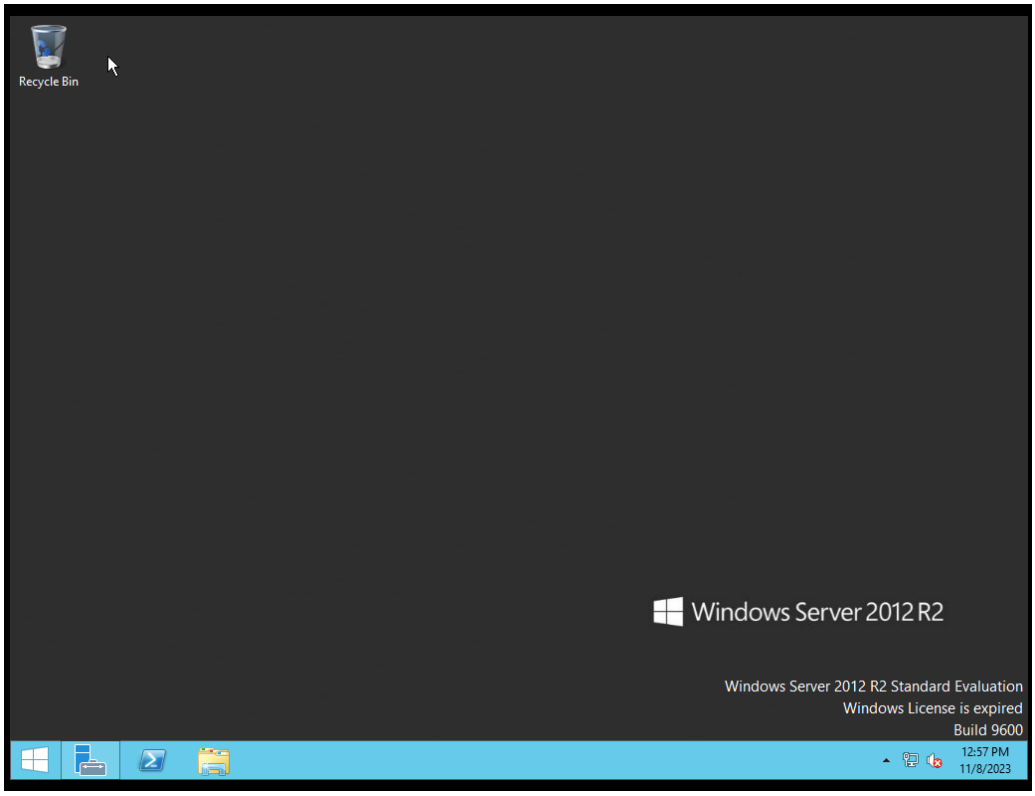
Step 24 – create password : admin123# and again re-enter the password to confirm.



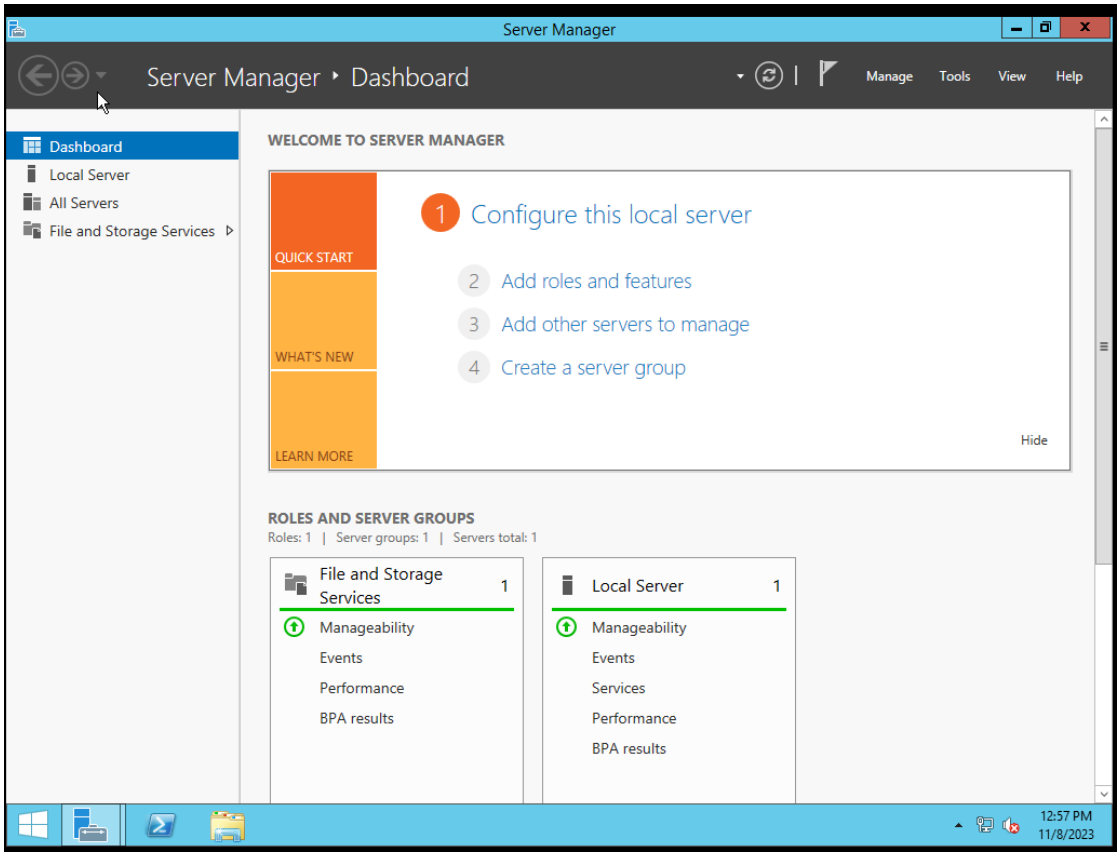
Step 25- Login by entering your passoword.

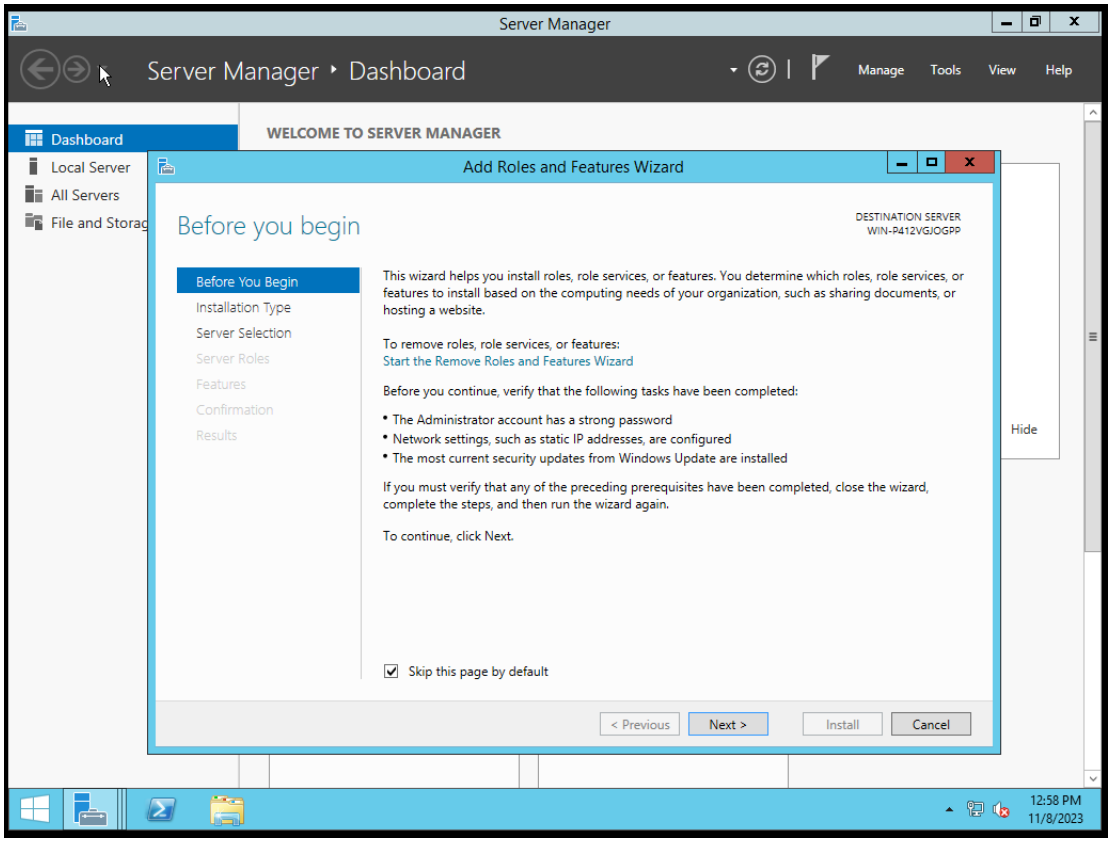


Step 26 – Your windows server is ready to use virtually.

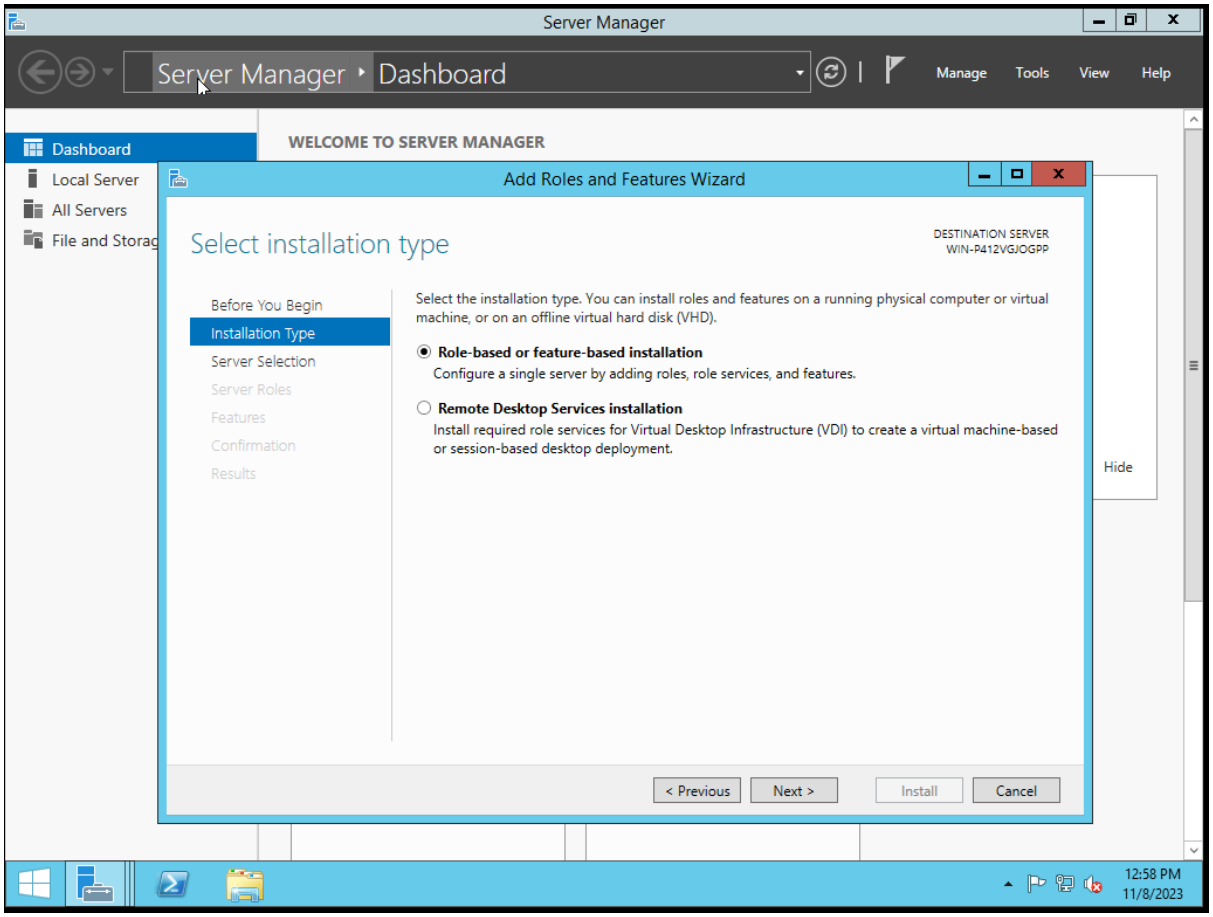


Step 27- Go to server manager > dashboard > Add roles and features.

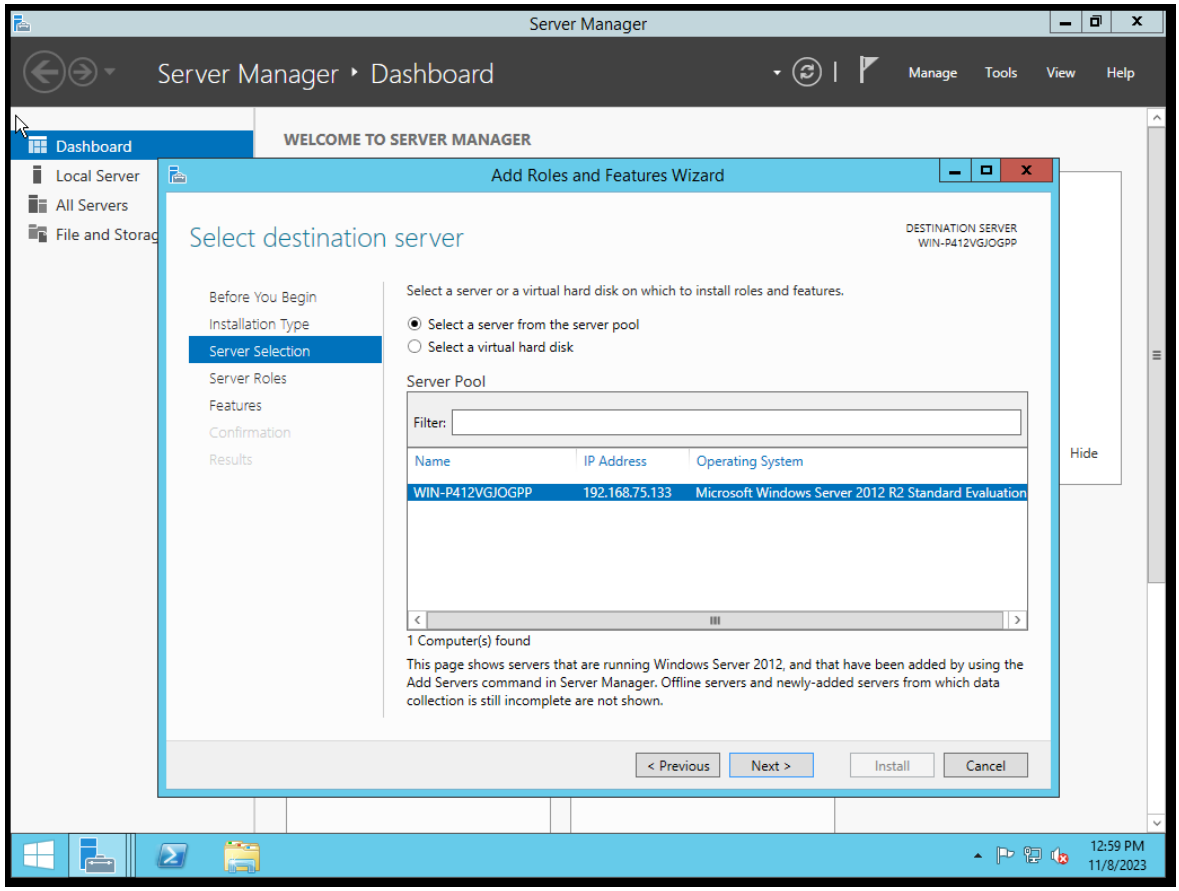




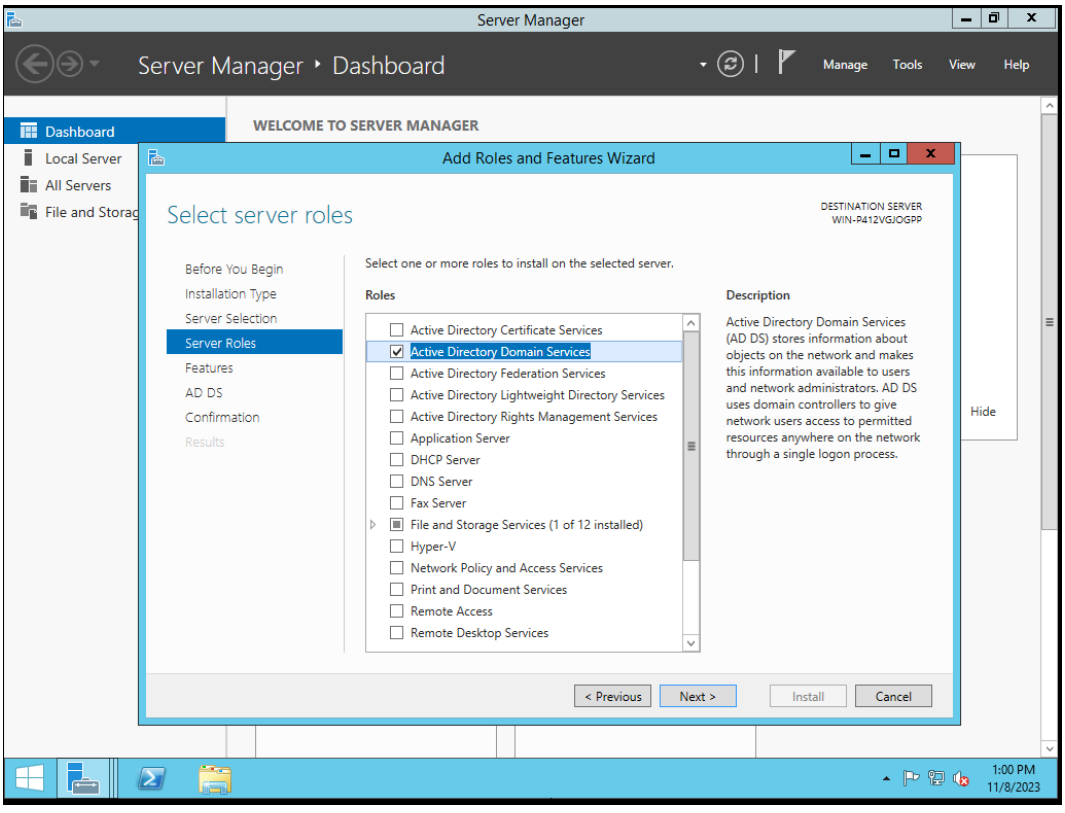
Step 28- click on radio button ‘role based or feature based installation.’



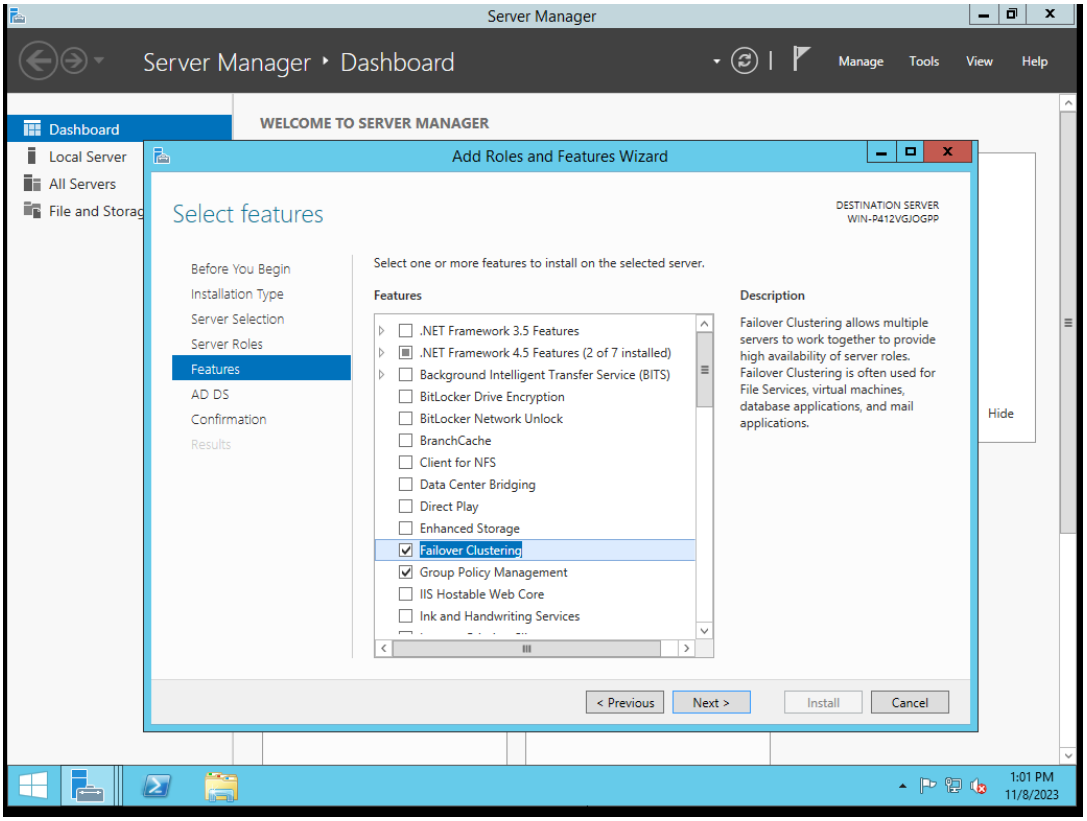
Step 29- Select the default server pool > click next.



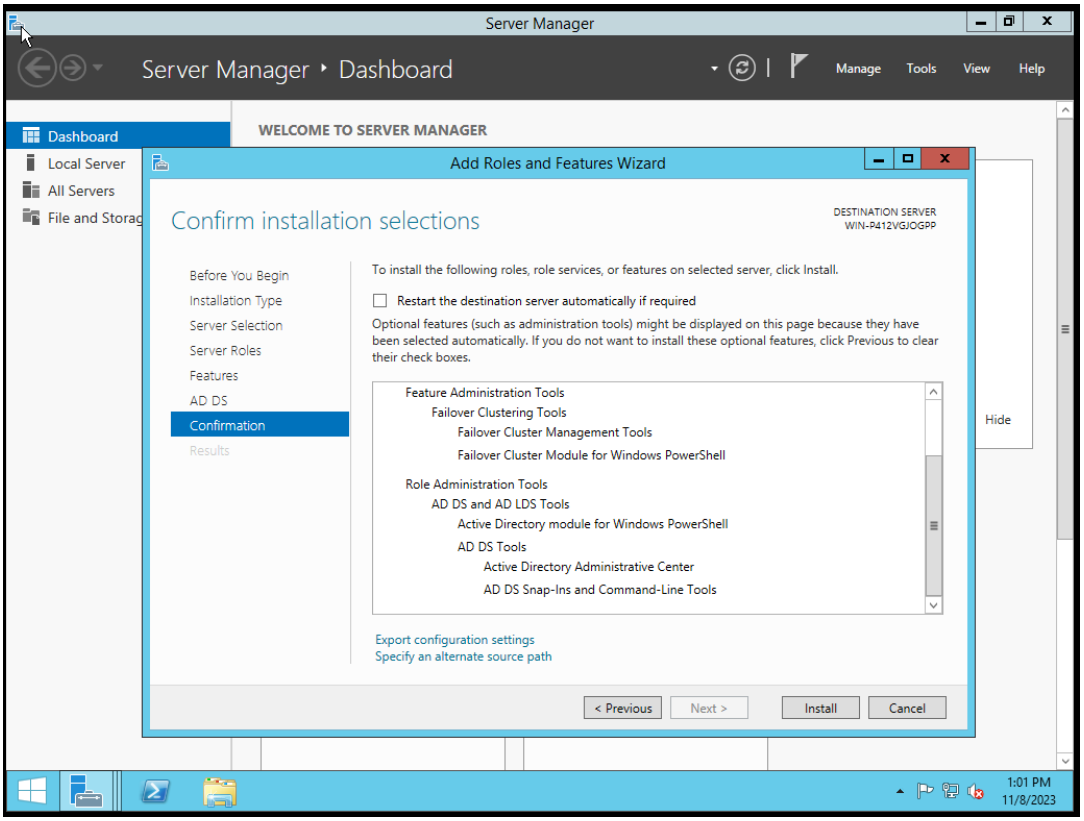
Step 30 – check checkbox ‘Active Directory Domain Service.’ > click next.

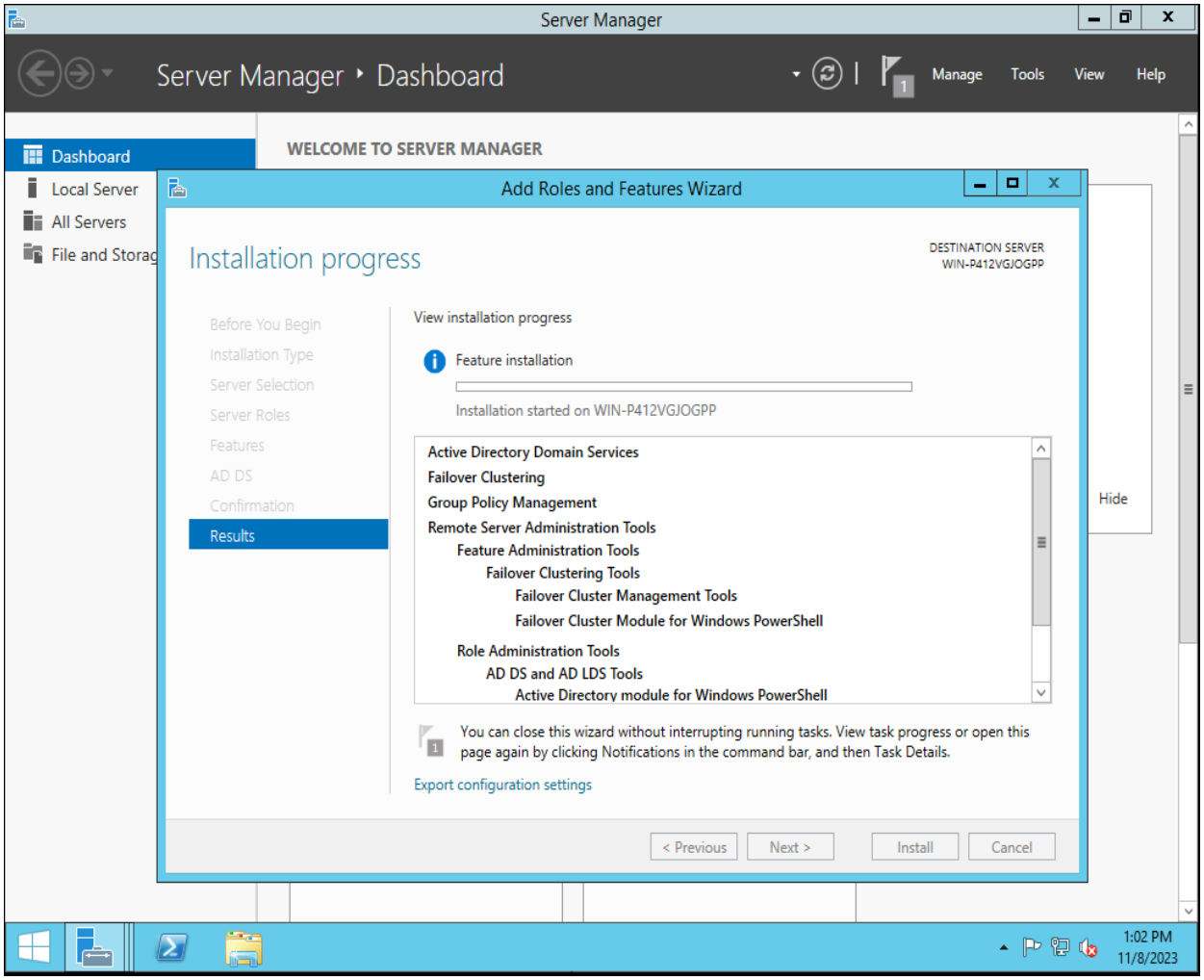


Step 31 – check checkbox ‘Failover clustering’ > click next.



Step 32- click install.




Server Manager
Server Manager ▸ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storag
WELCOME TO SERVER MANAGER
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-P412VGJOGPP
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
View installation progress
Feature installation
Installation started on WIN-P412VGJOGPP
Active Directory Domain Services
Failover Clustering
Group Policy Management
Remote Server Administration Tools
Feature Administration Tools
Failover Clustering Tools
Failover Cluster Management Tools
Failover Cluster Module for Windows PowerShell
Role Administration Tools
AD DS and AD LDS Tools
Active Directory module for Windows PowerShell
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Install
Cancel
Hide
1:02 PM
11/8/2023