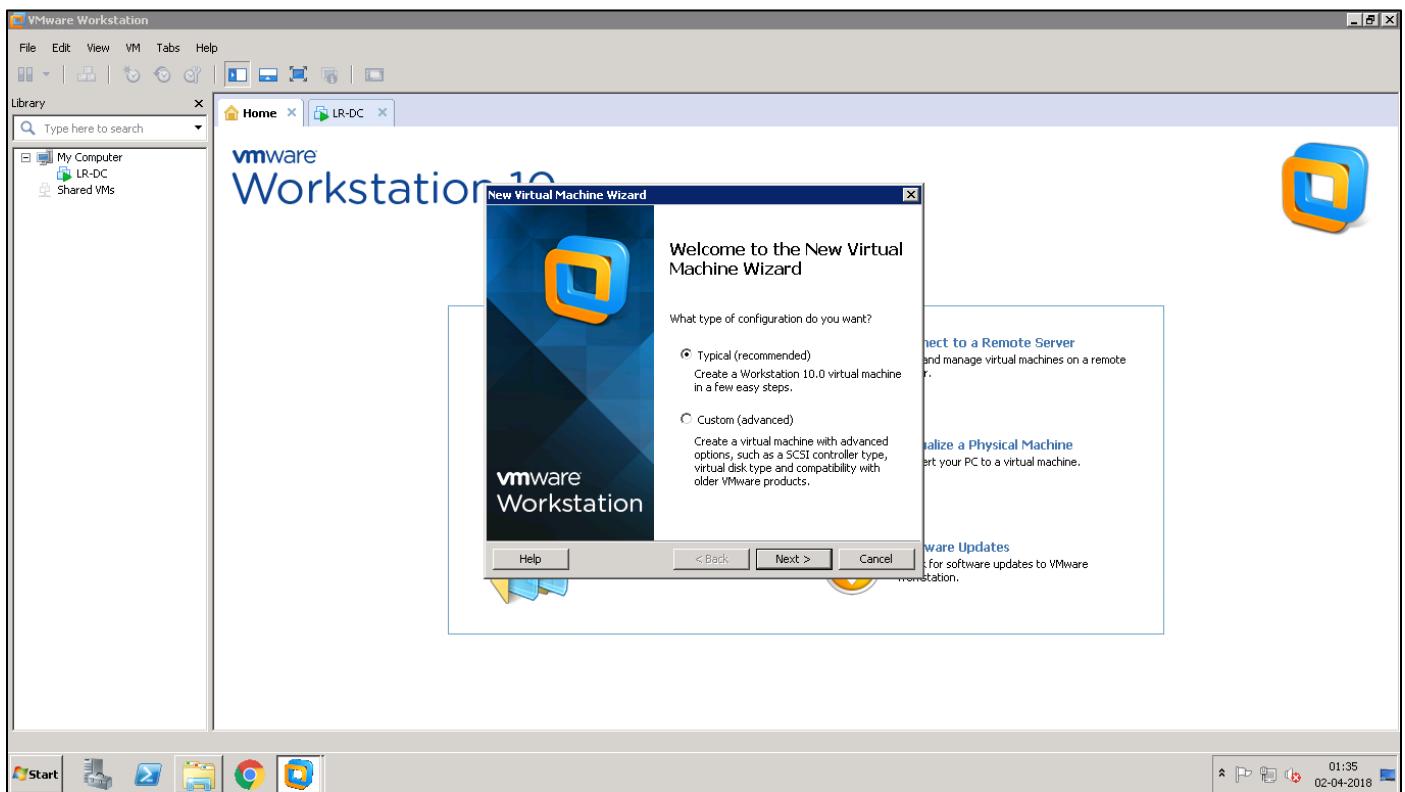
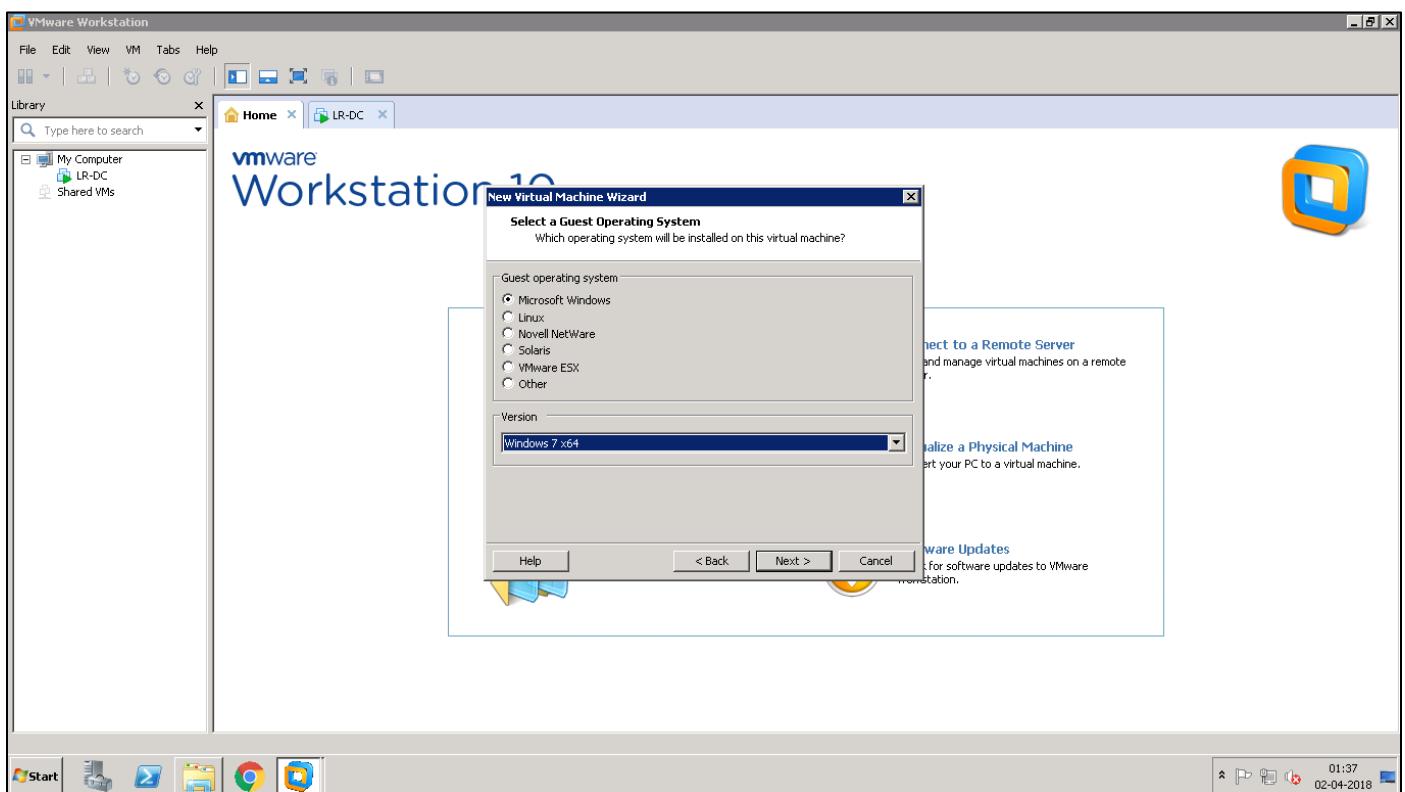
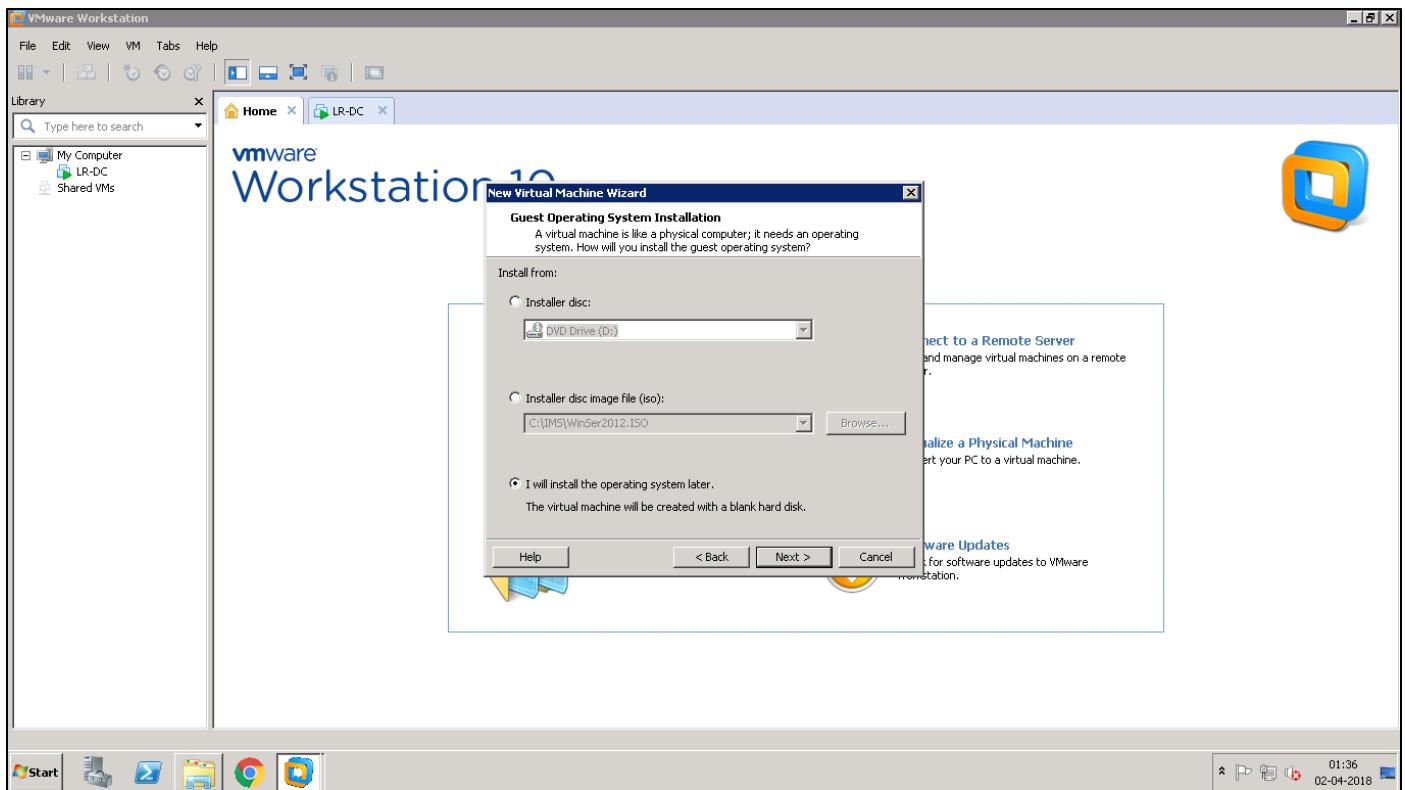
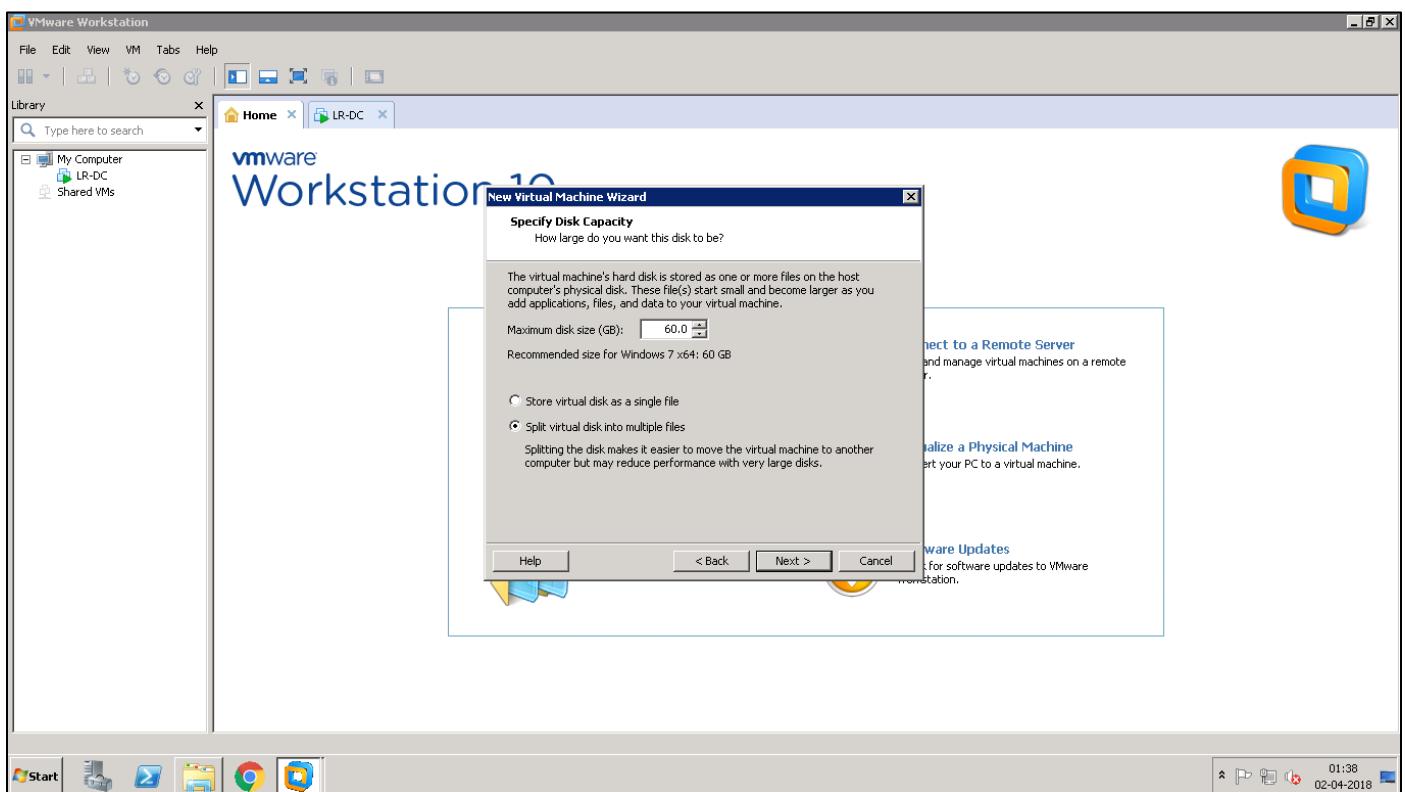
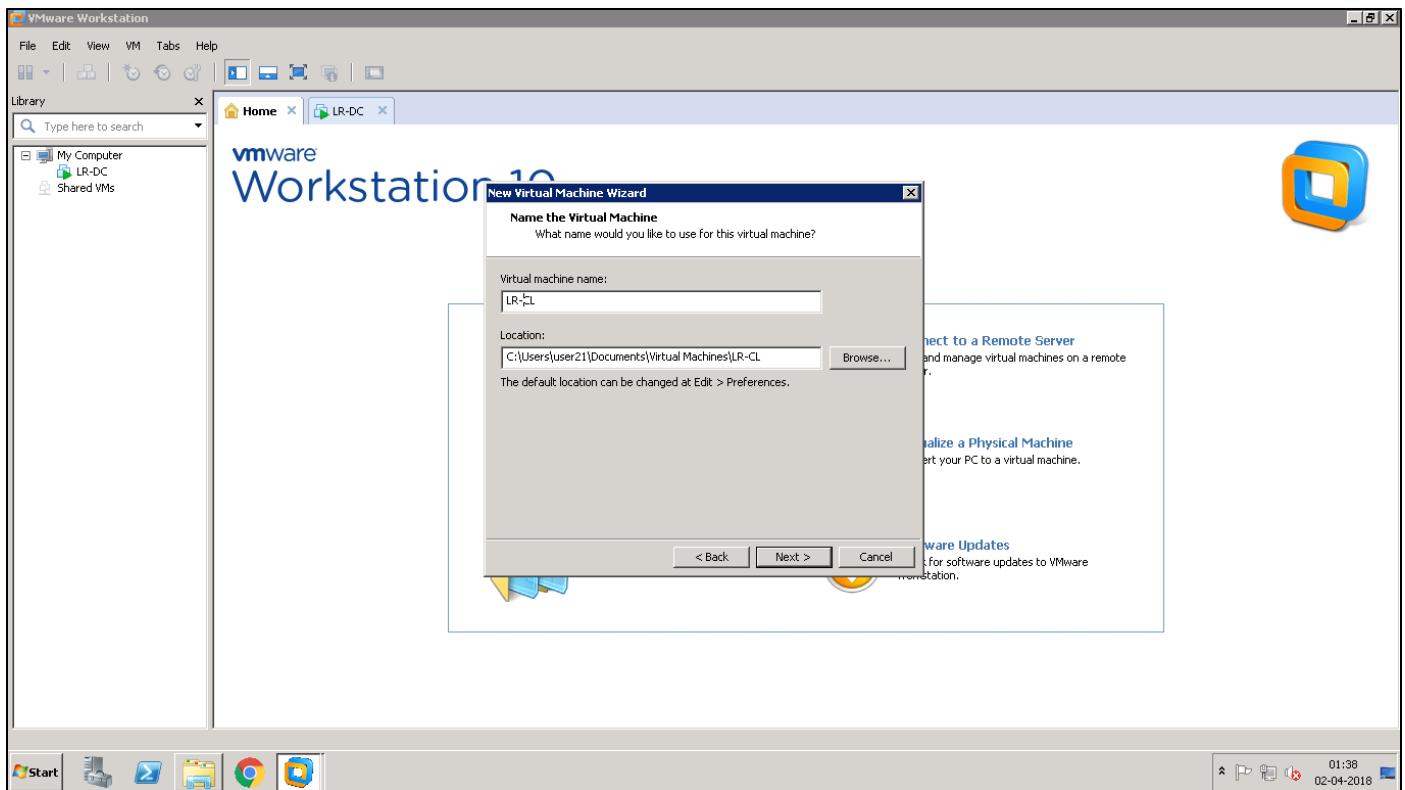
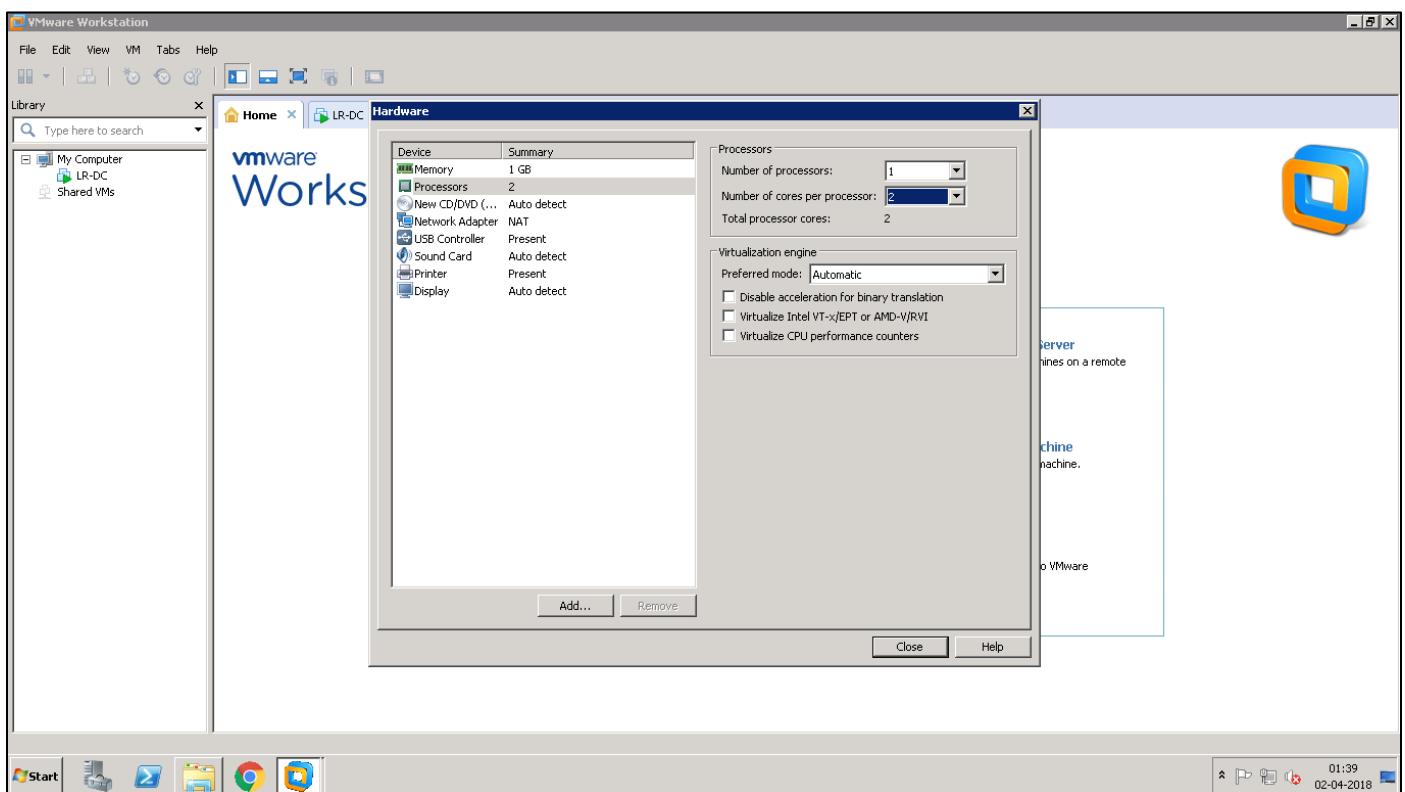
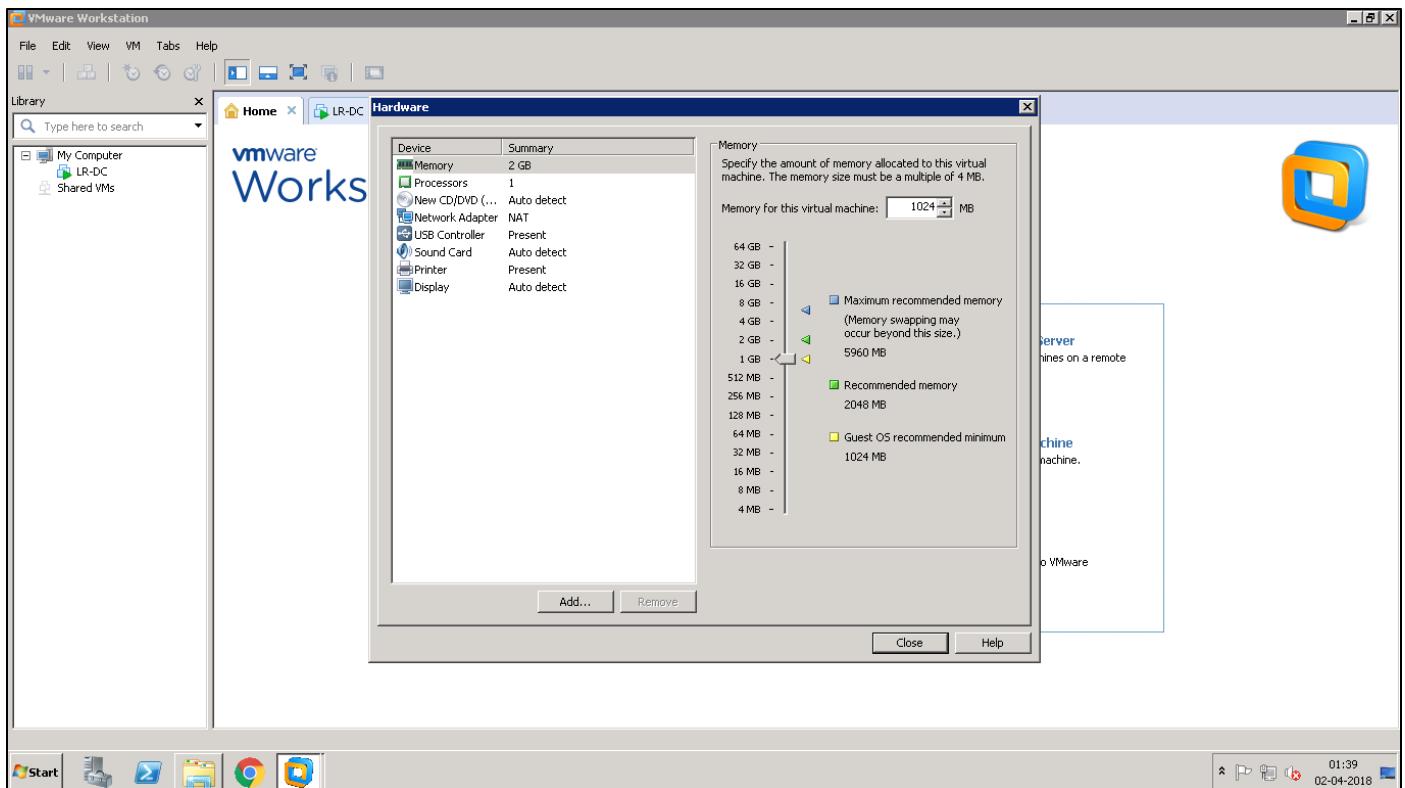


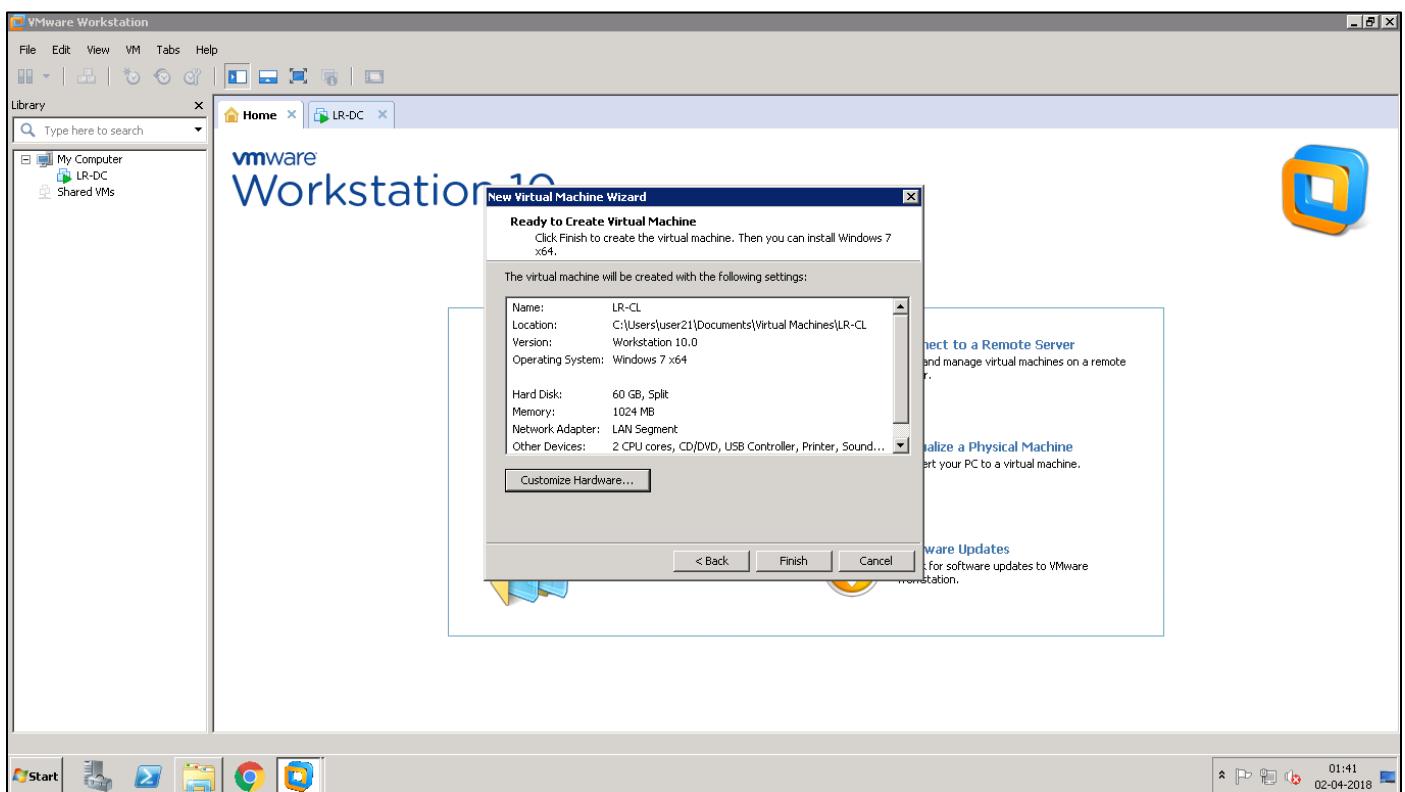
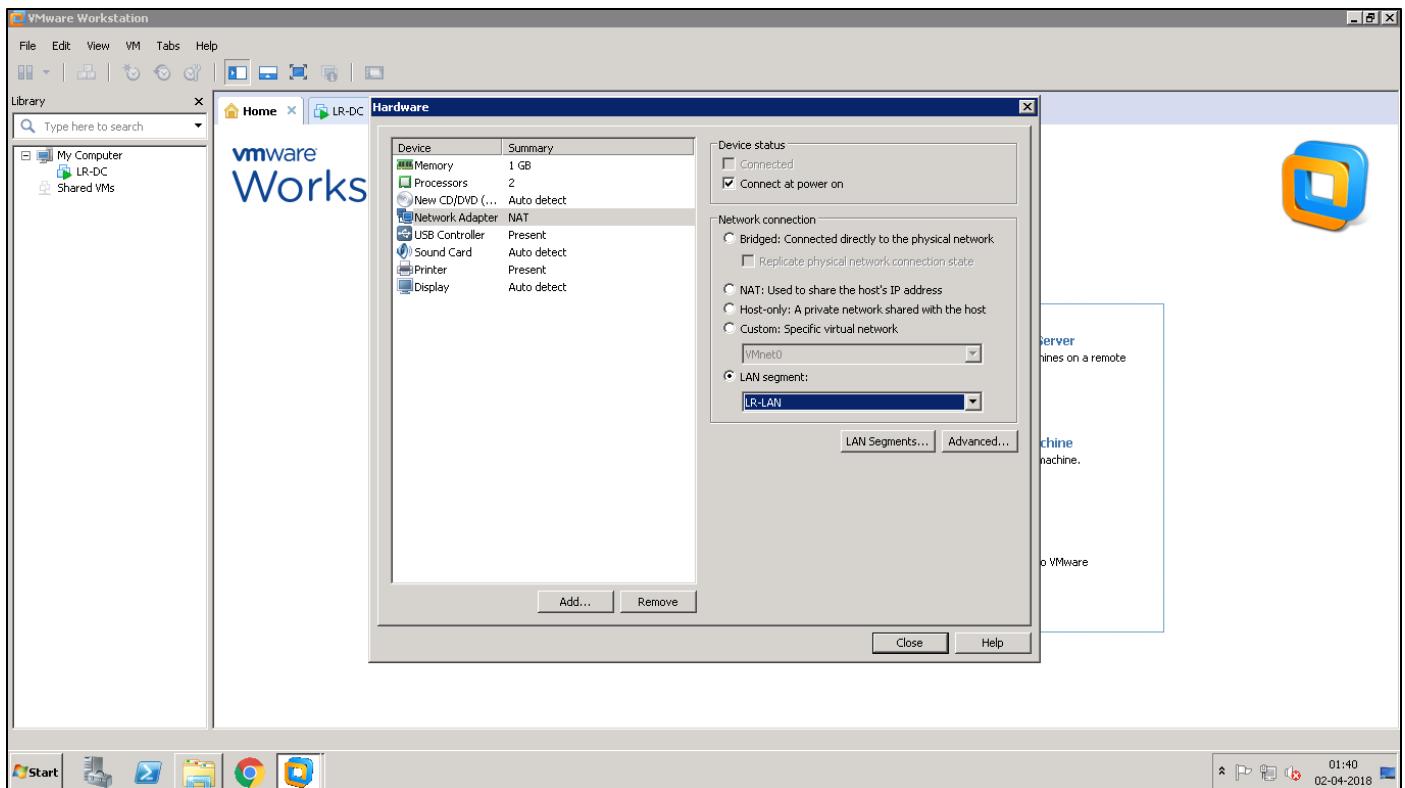
Installation process of Windows Client:

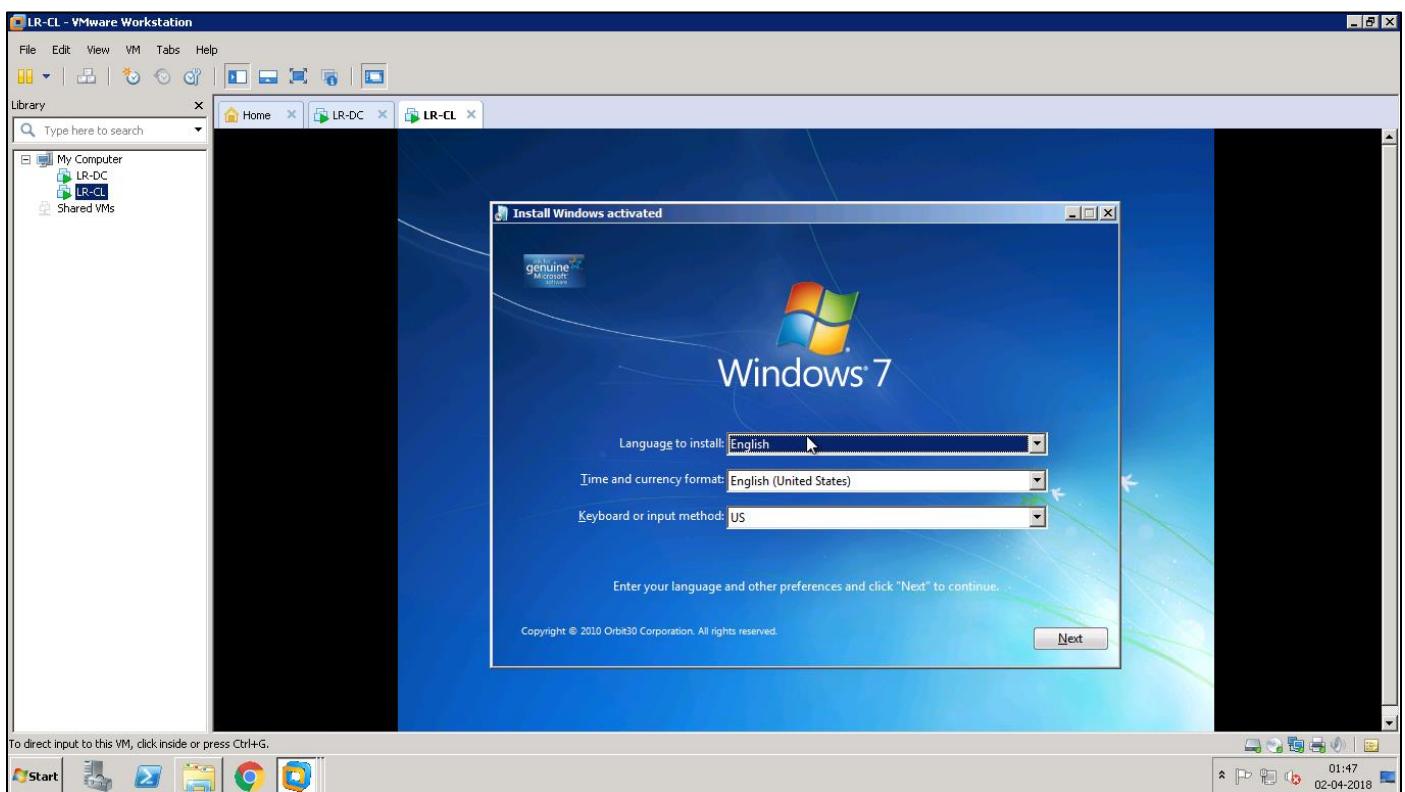
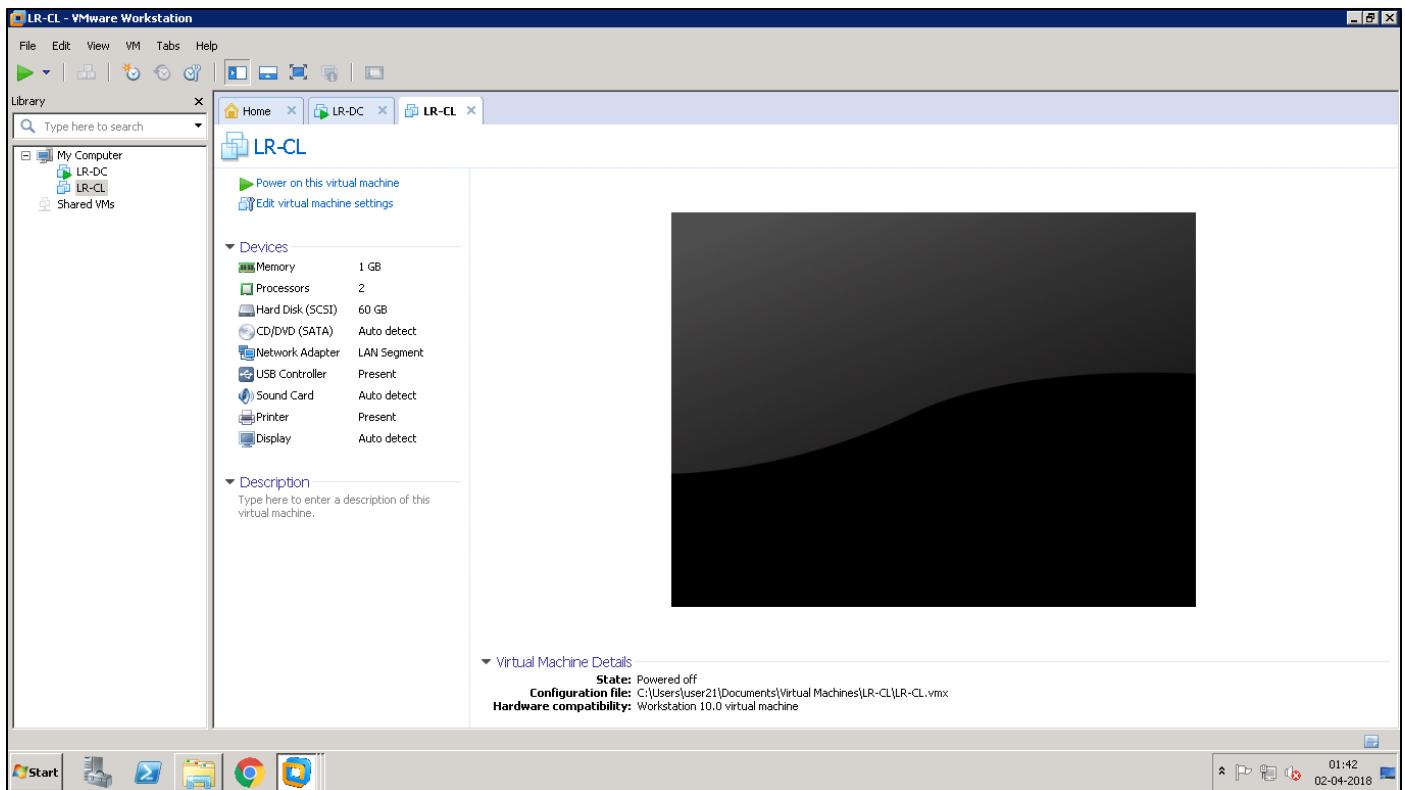


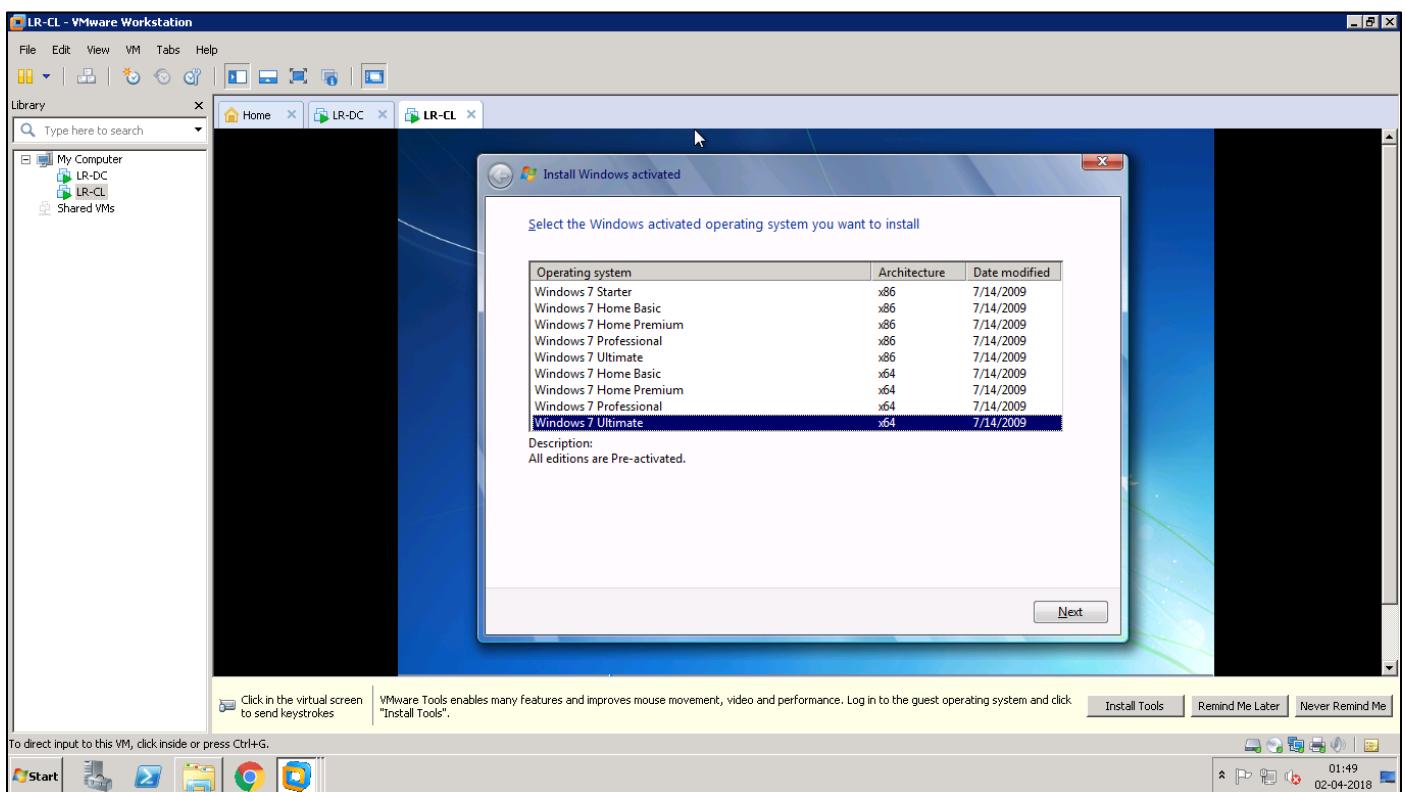
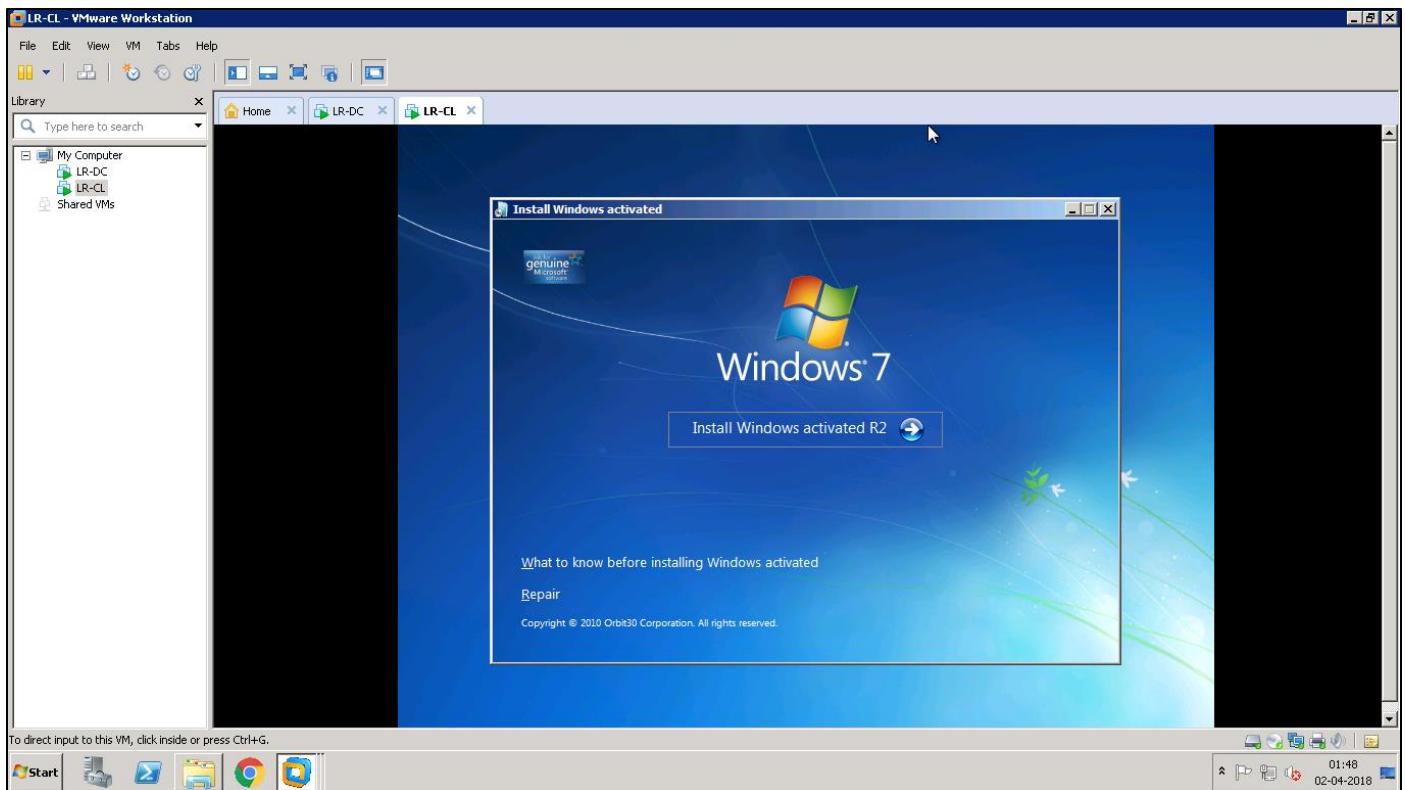


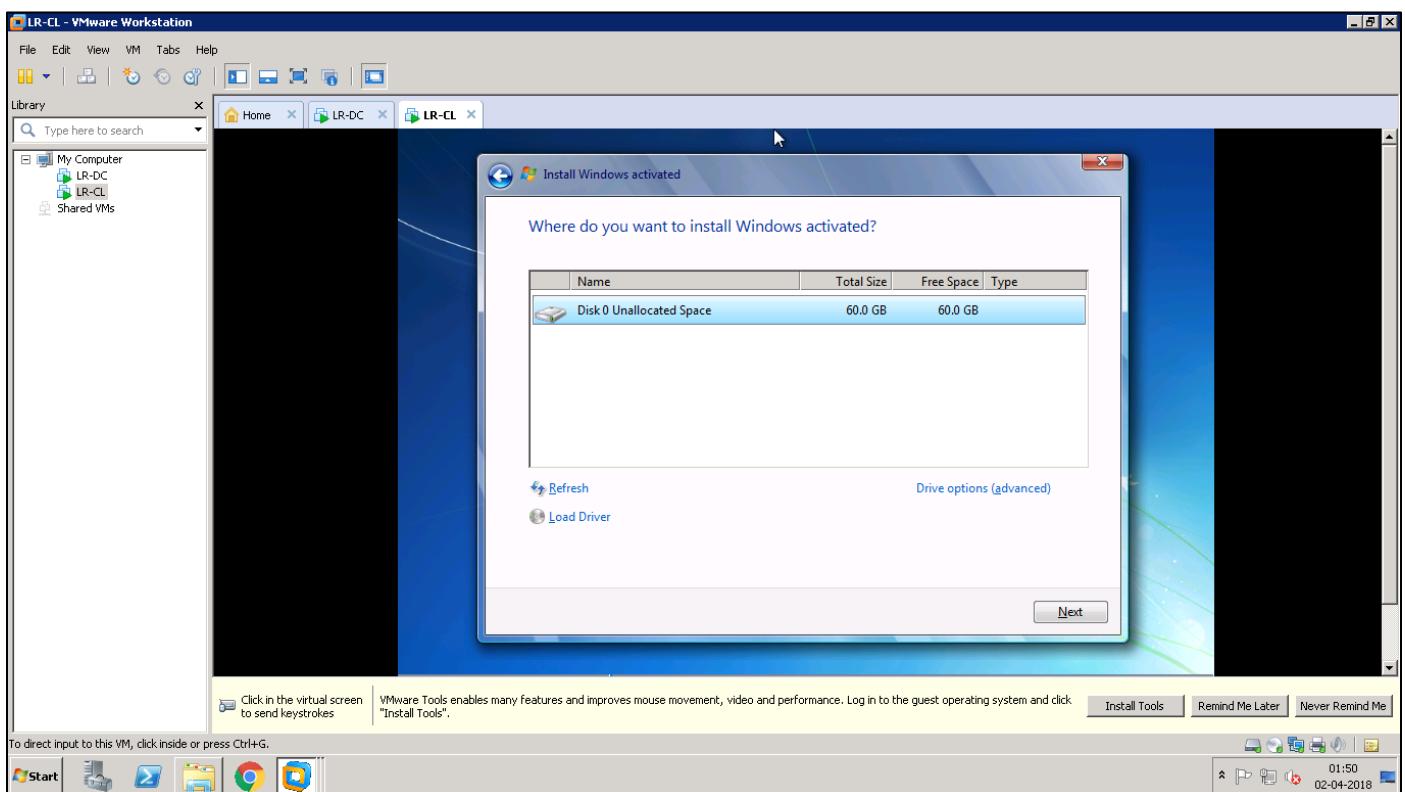
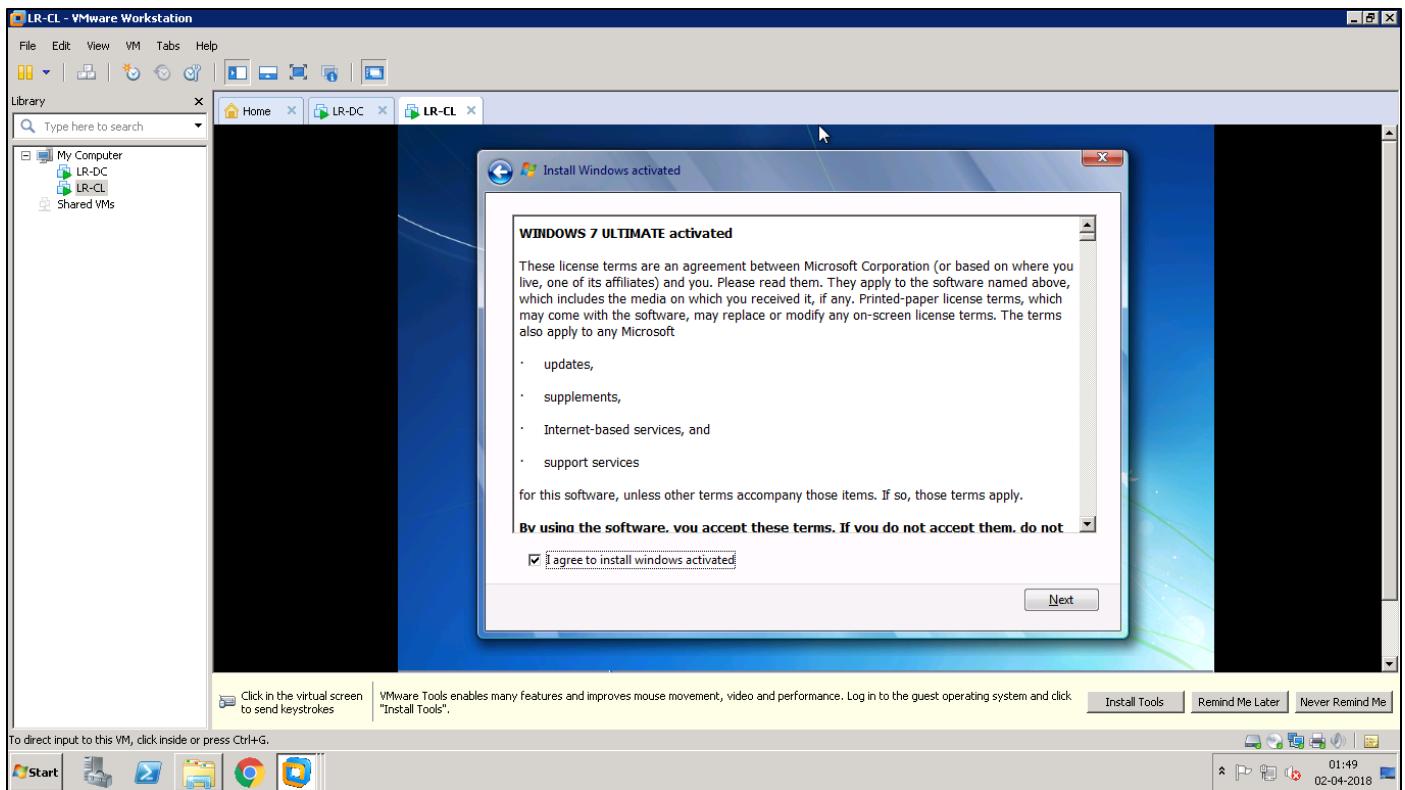


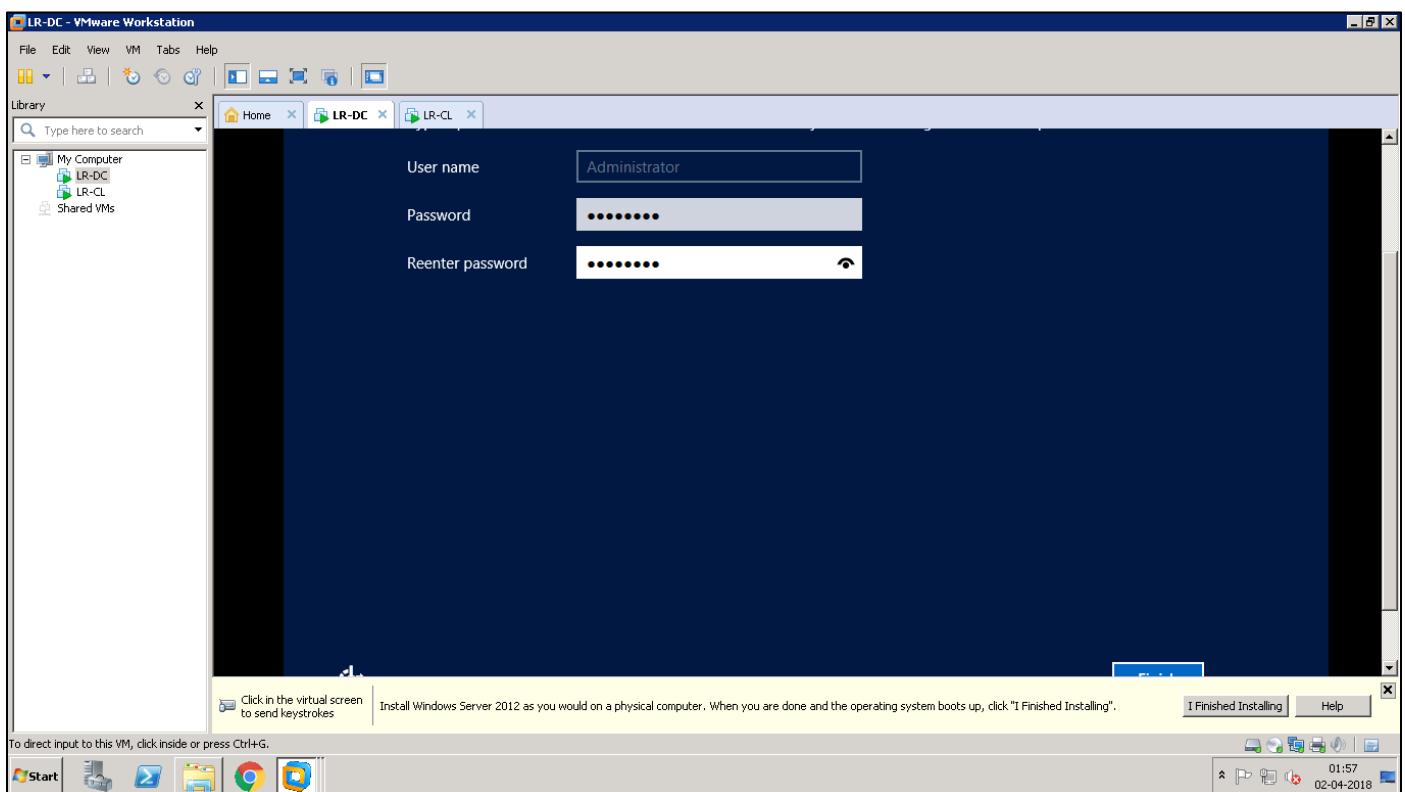
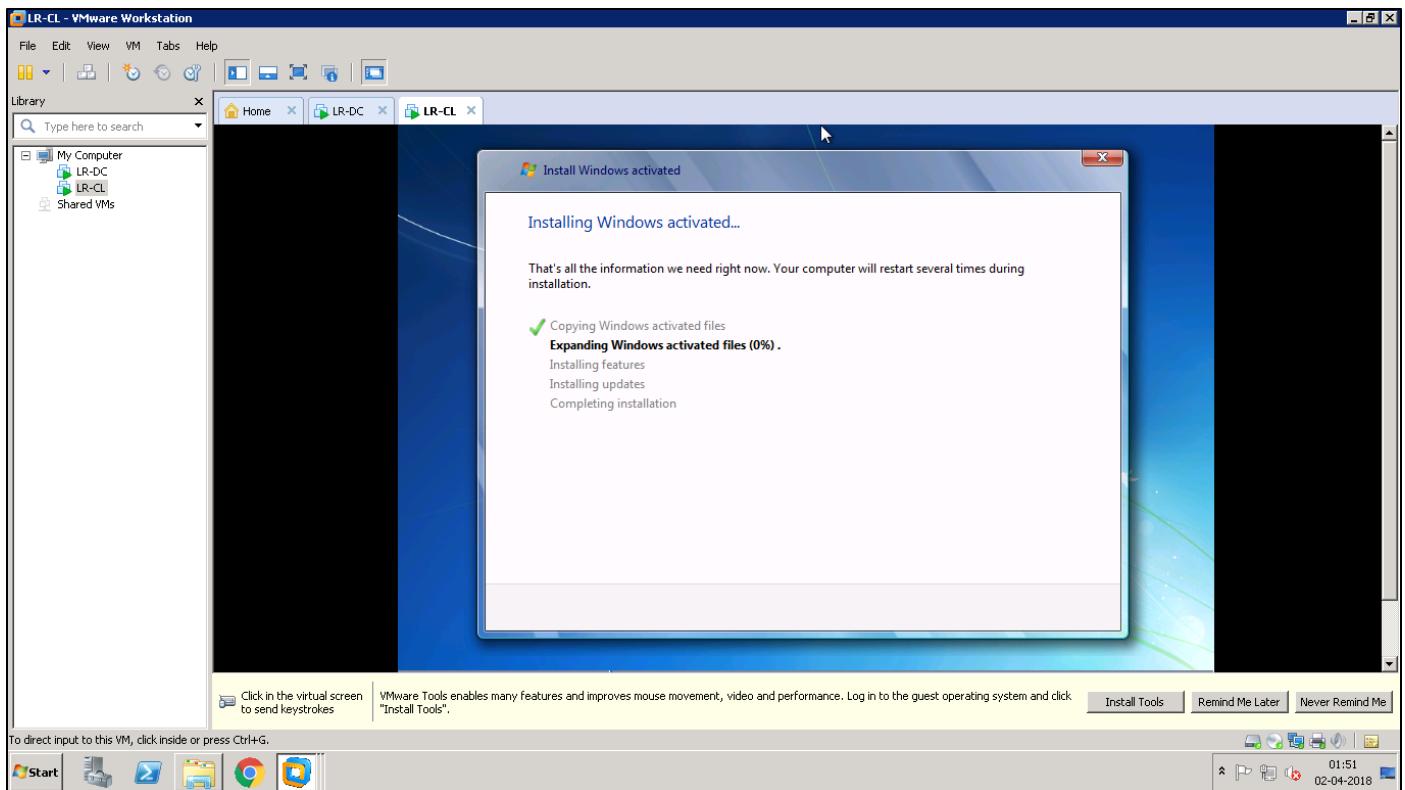


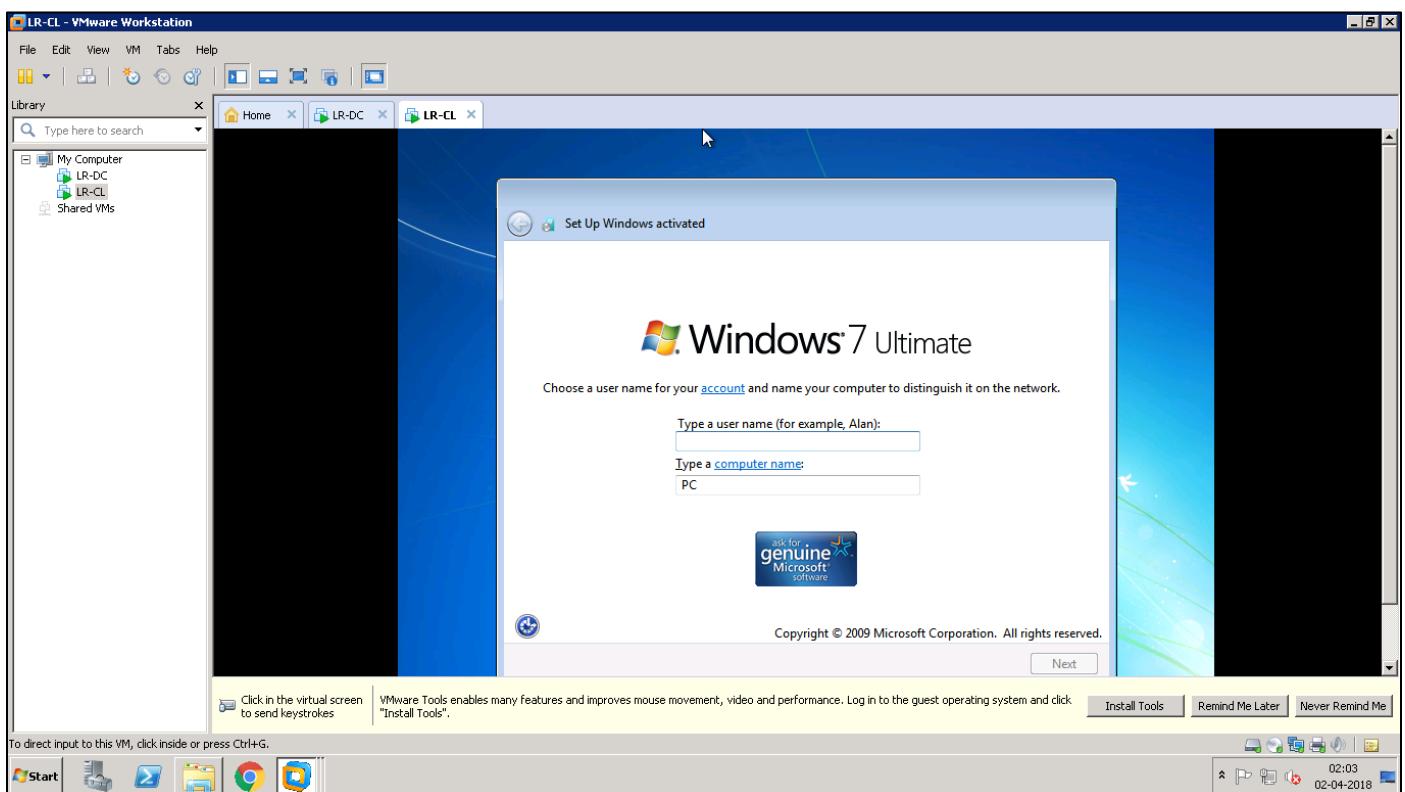
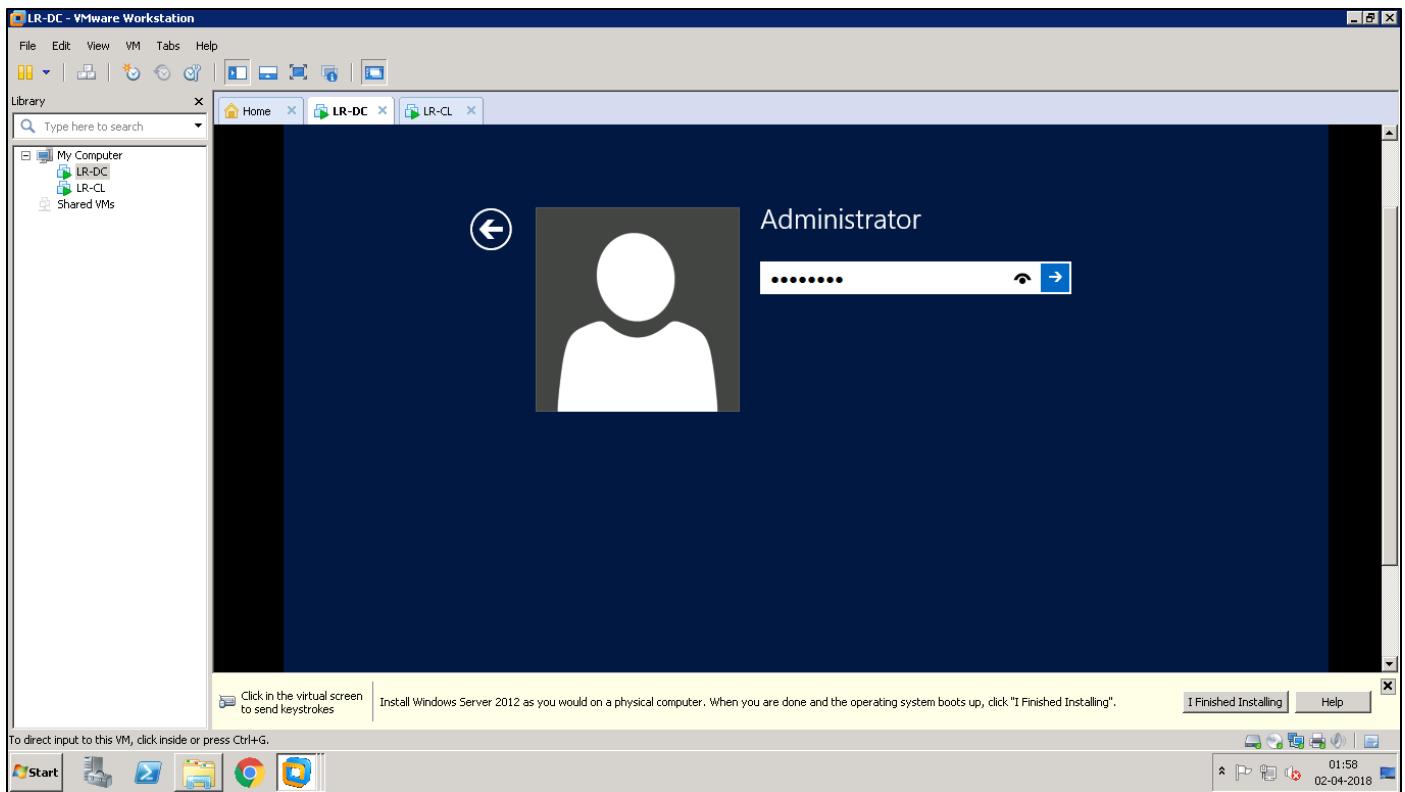


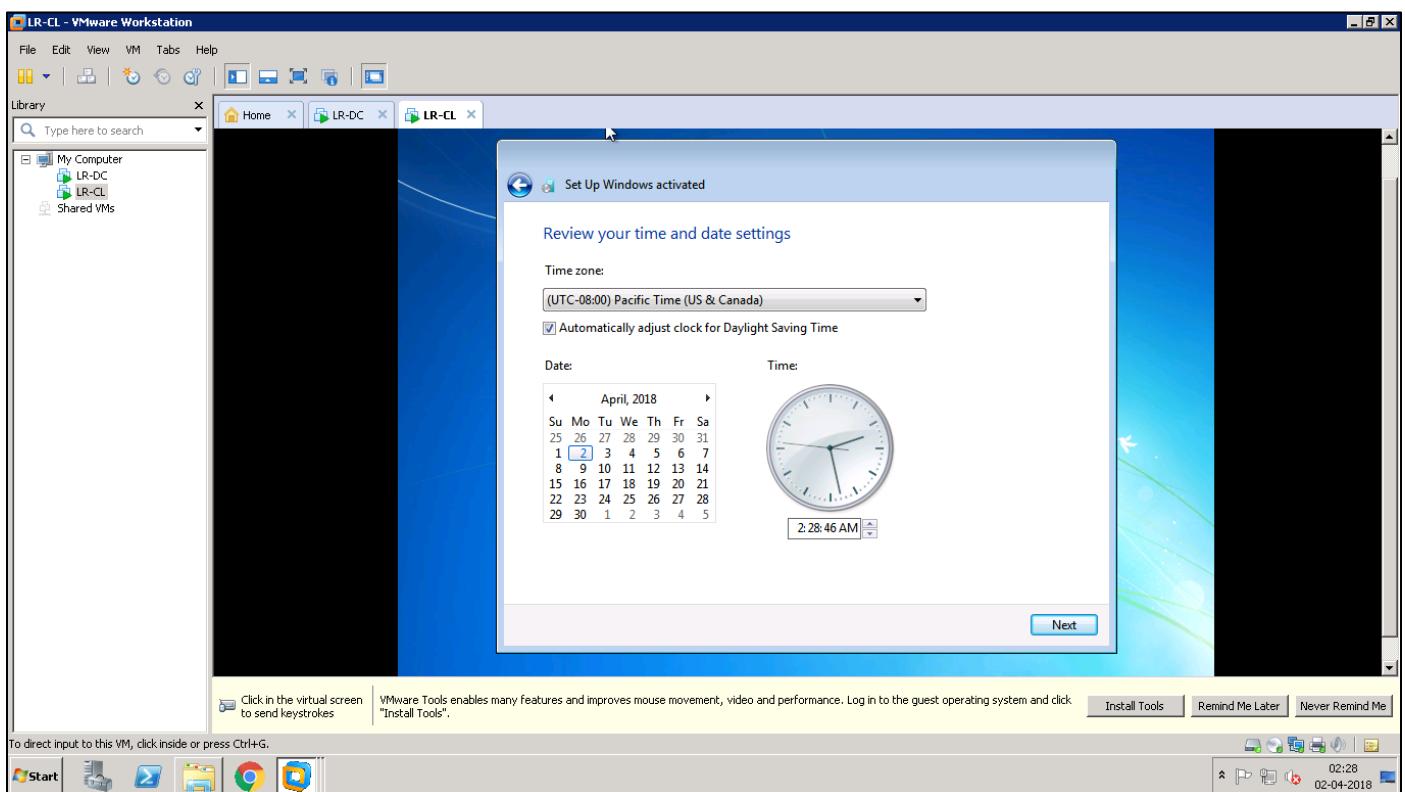
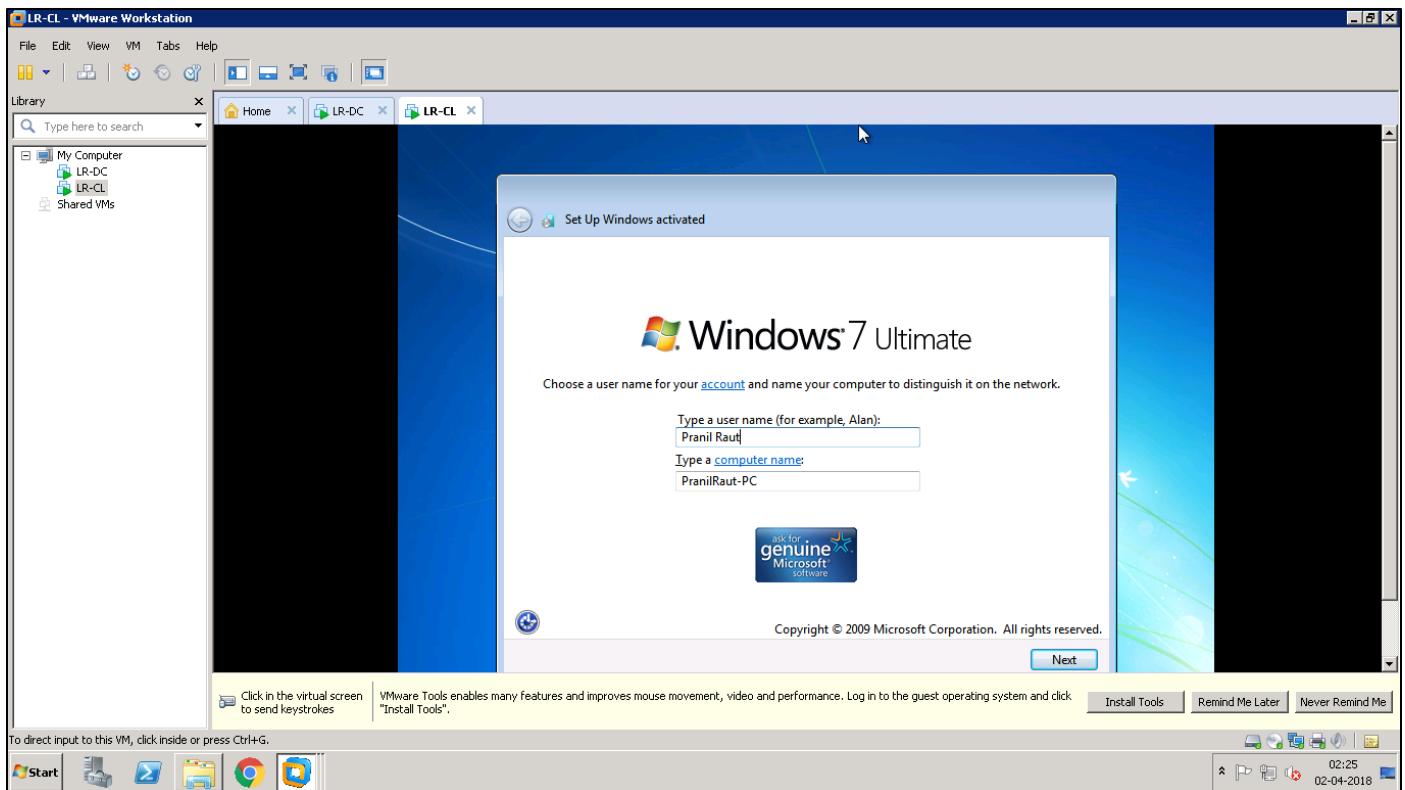


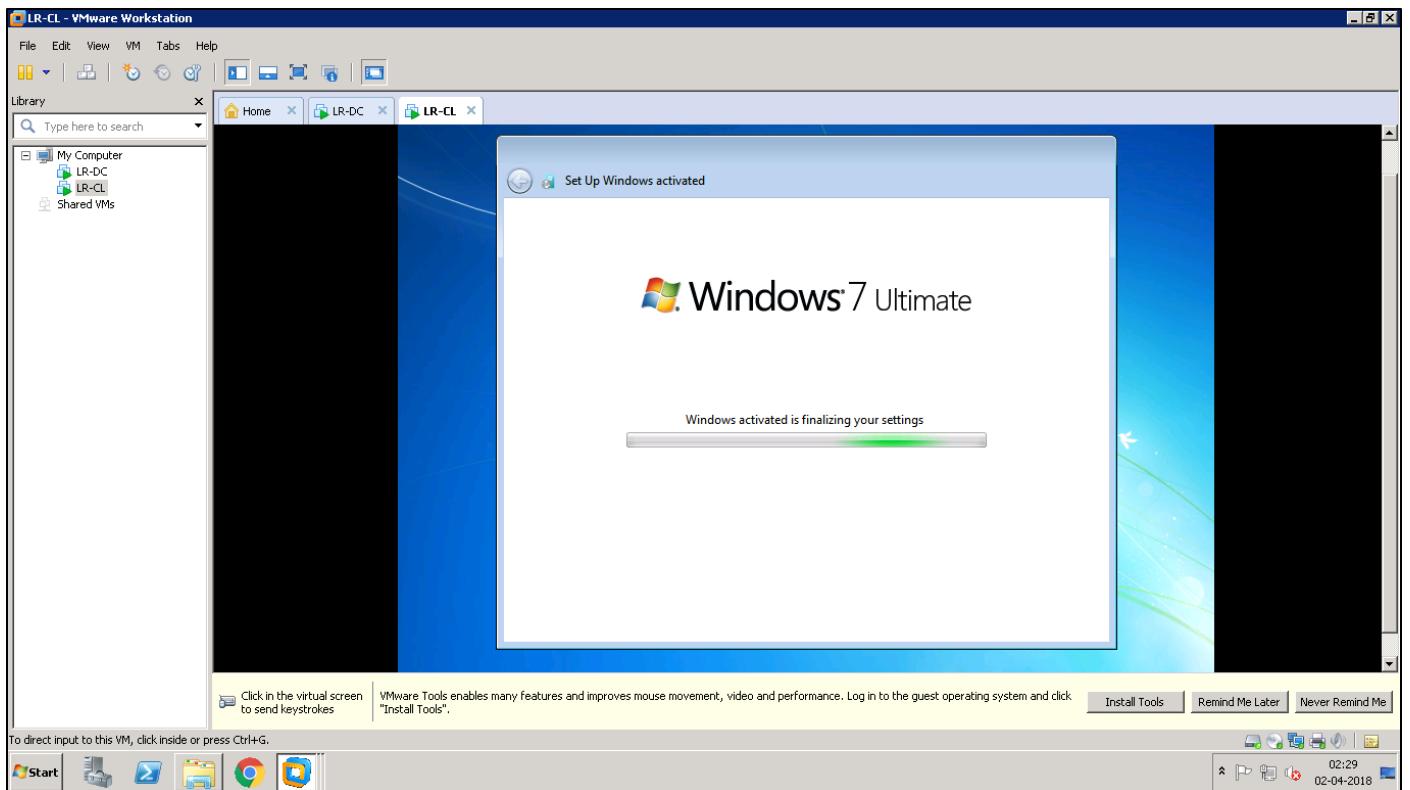


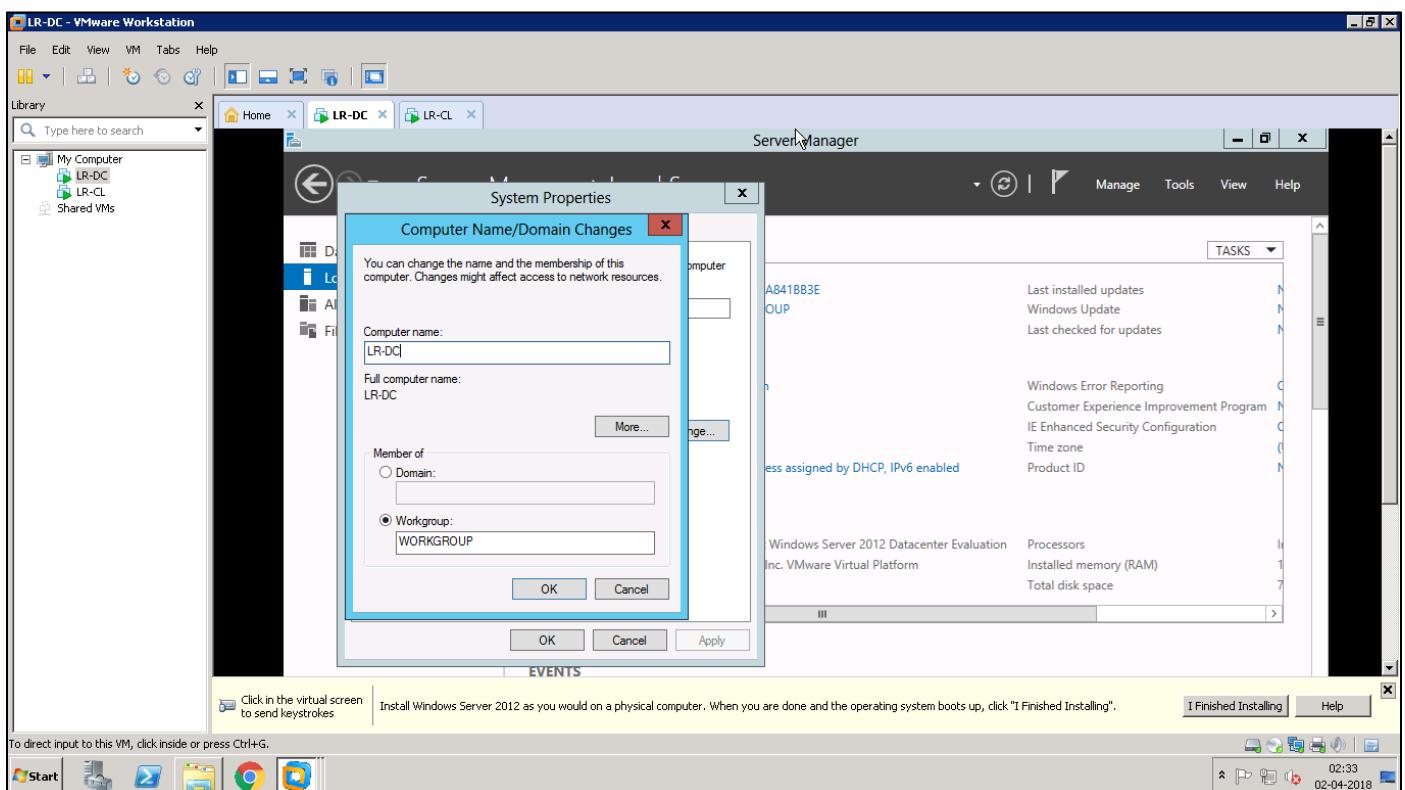
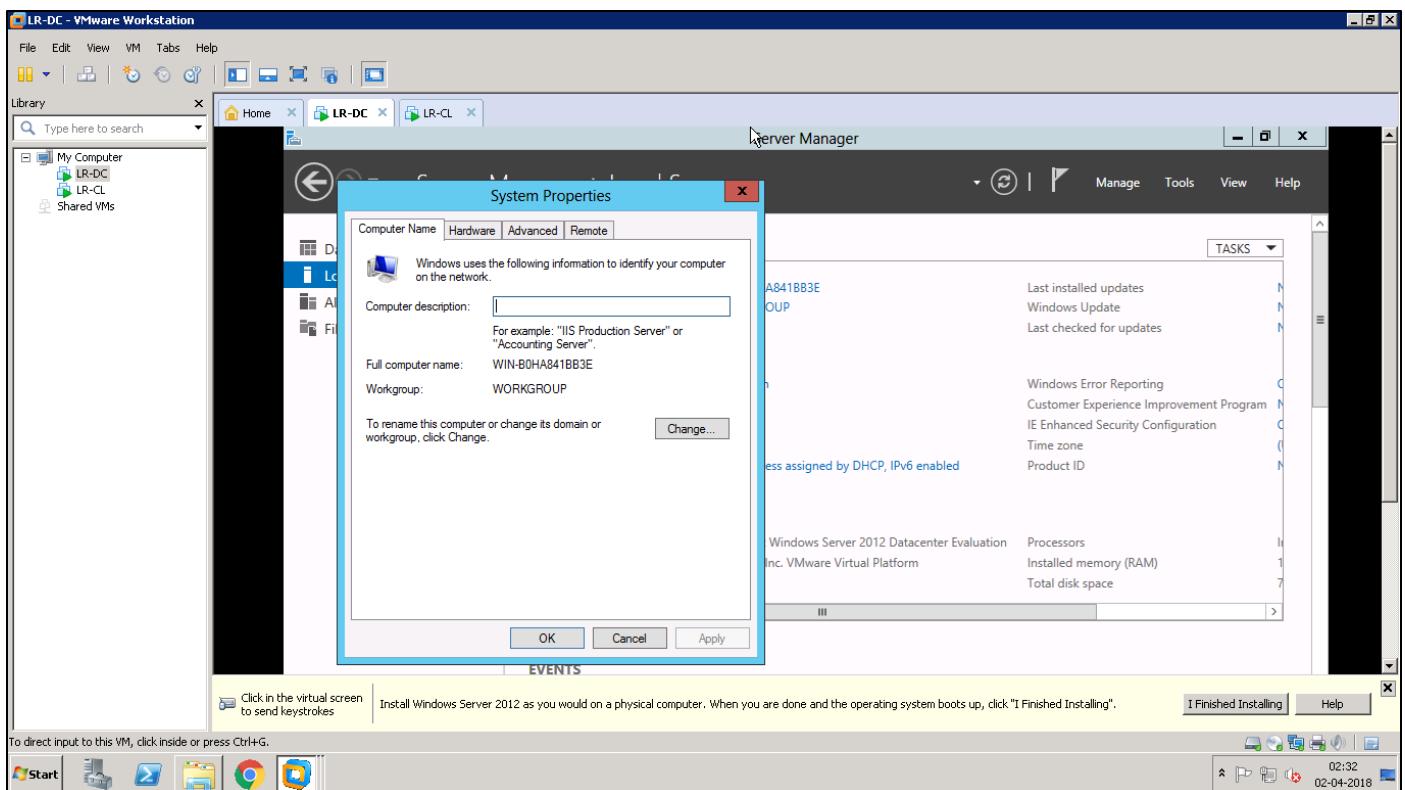


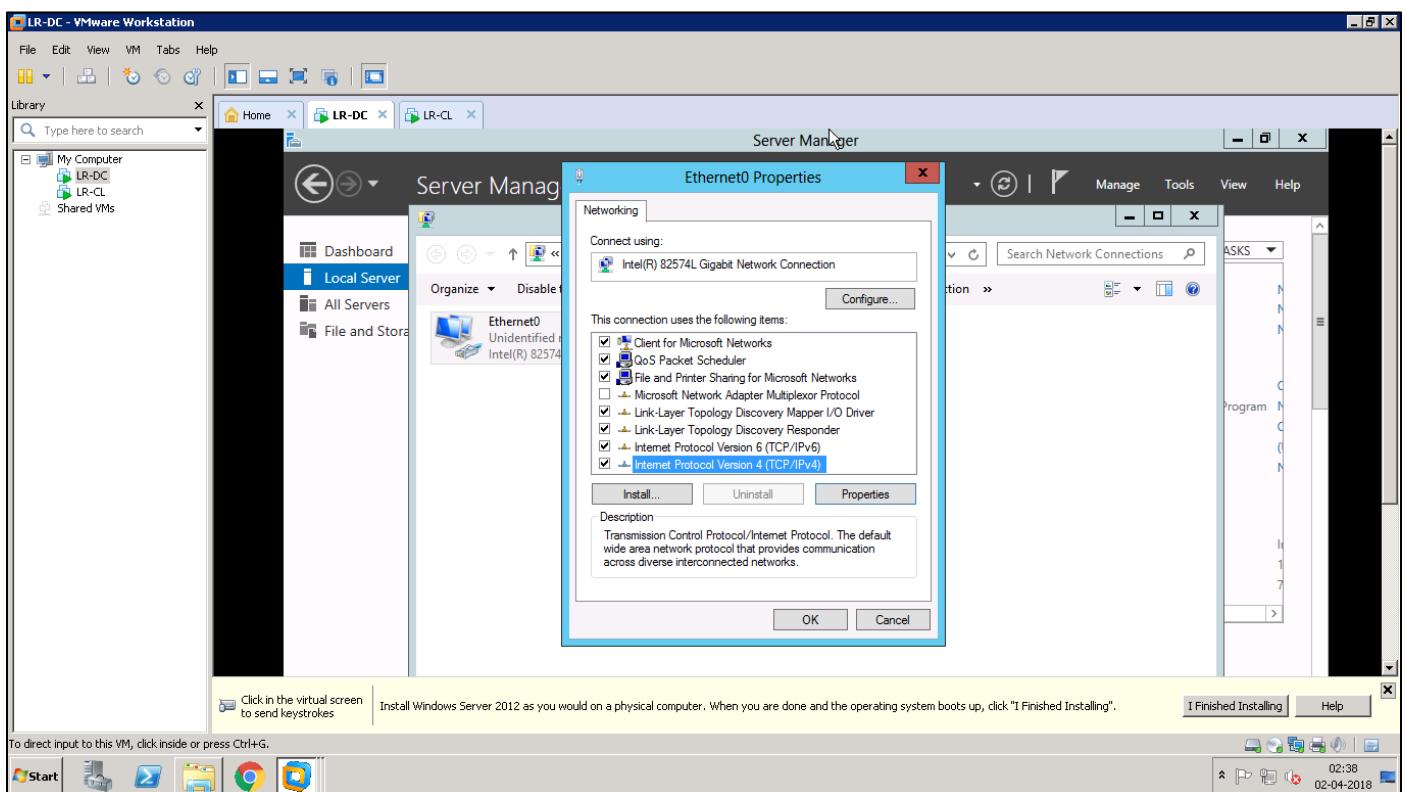
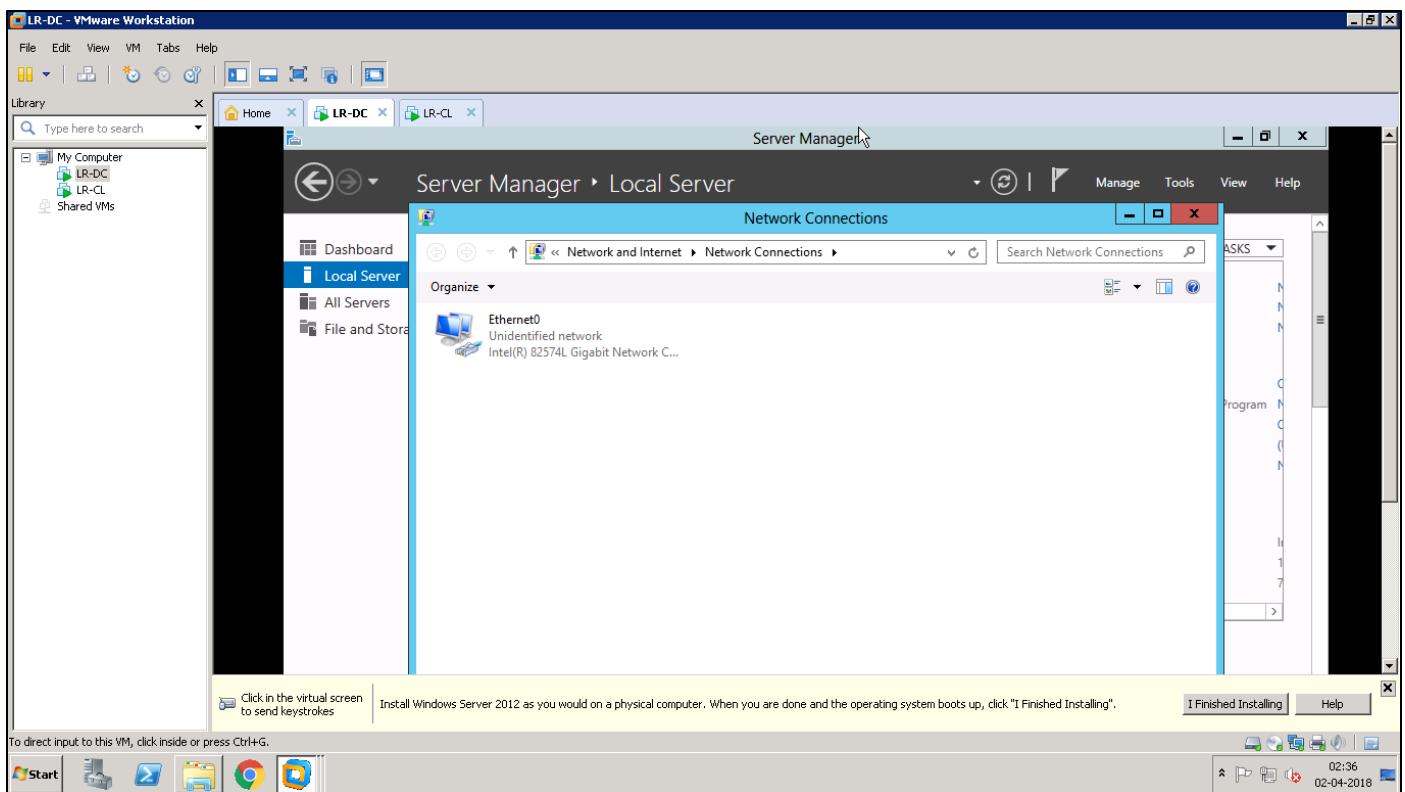


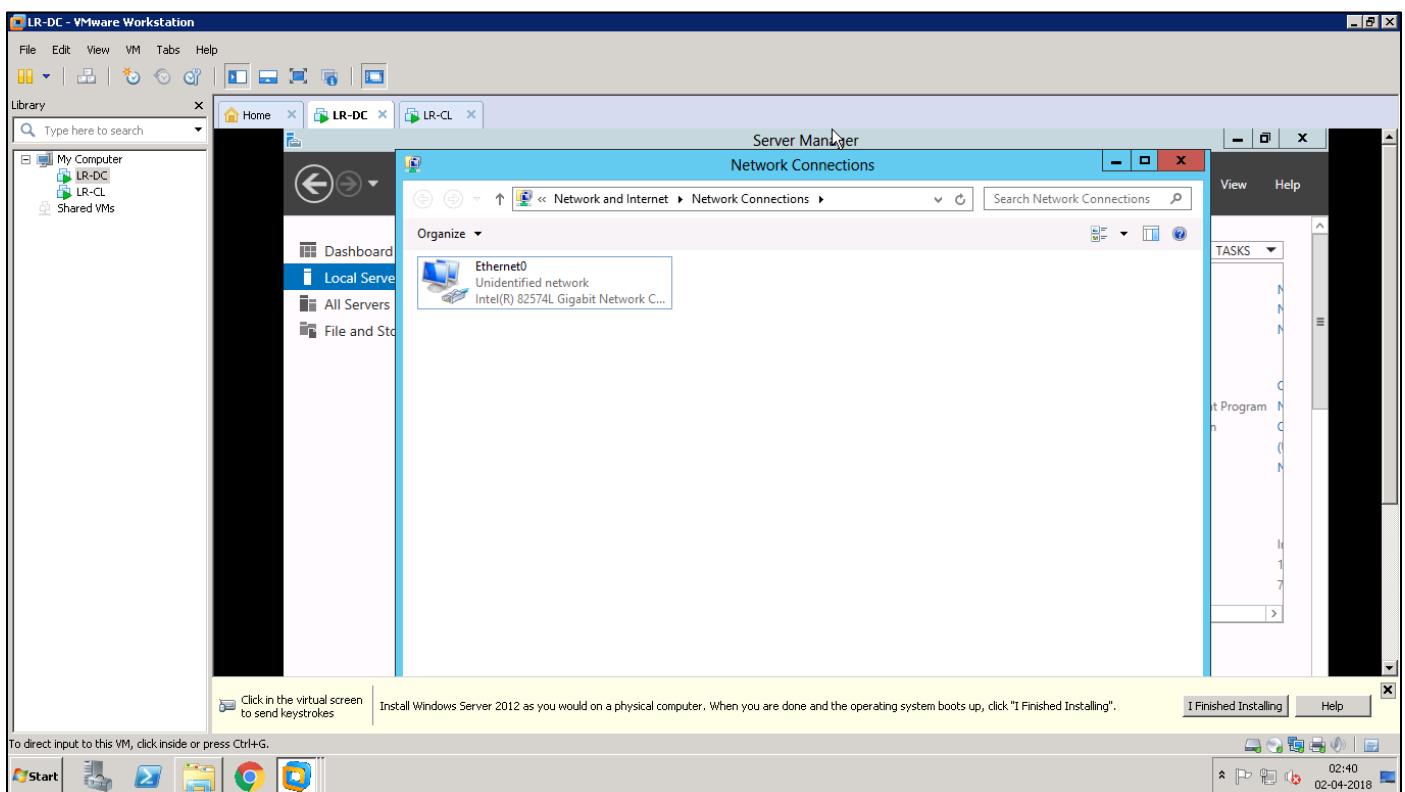
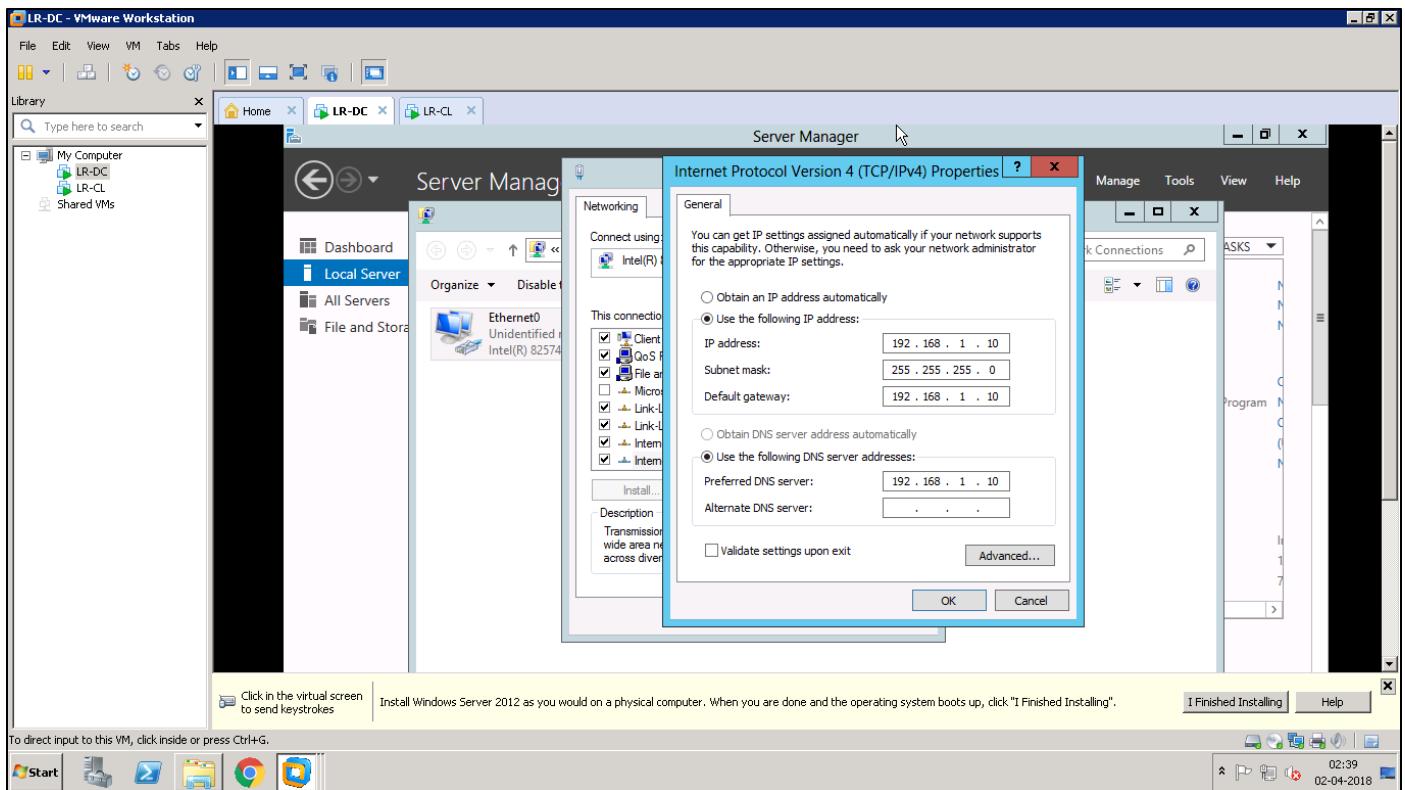


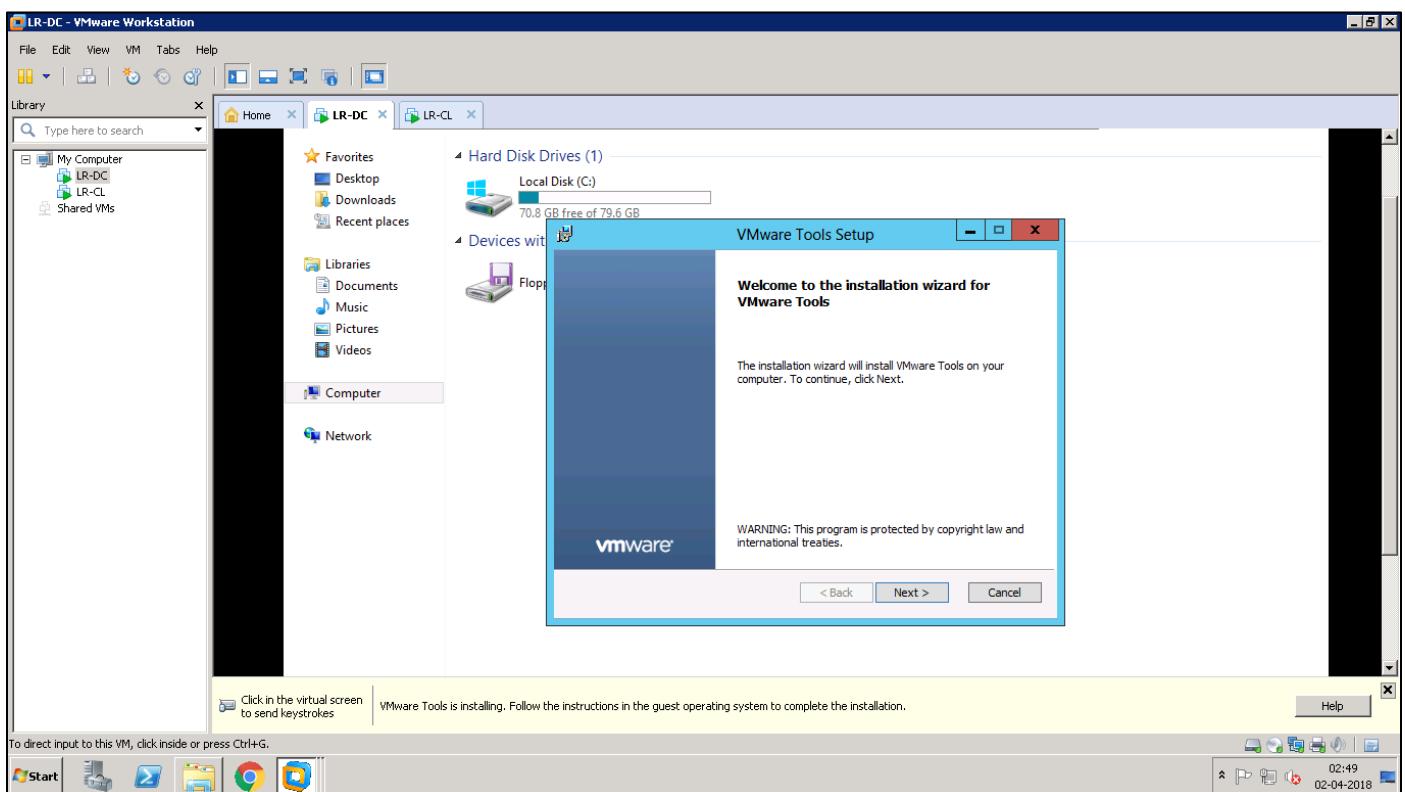
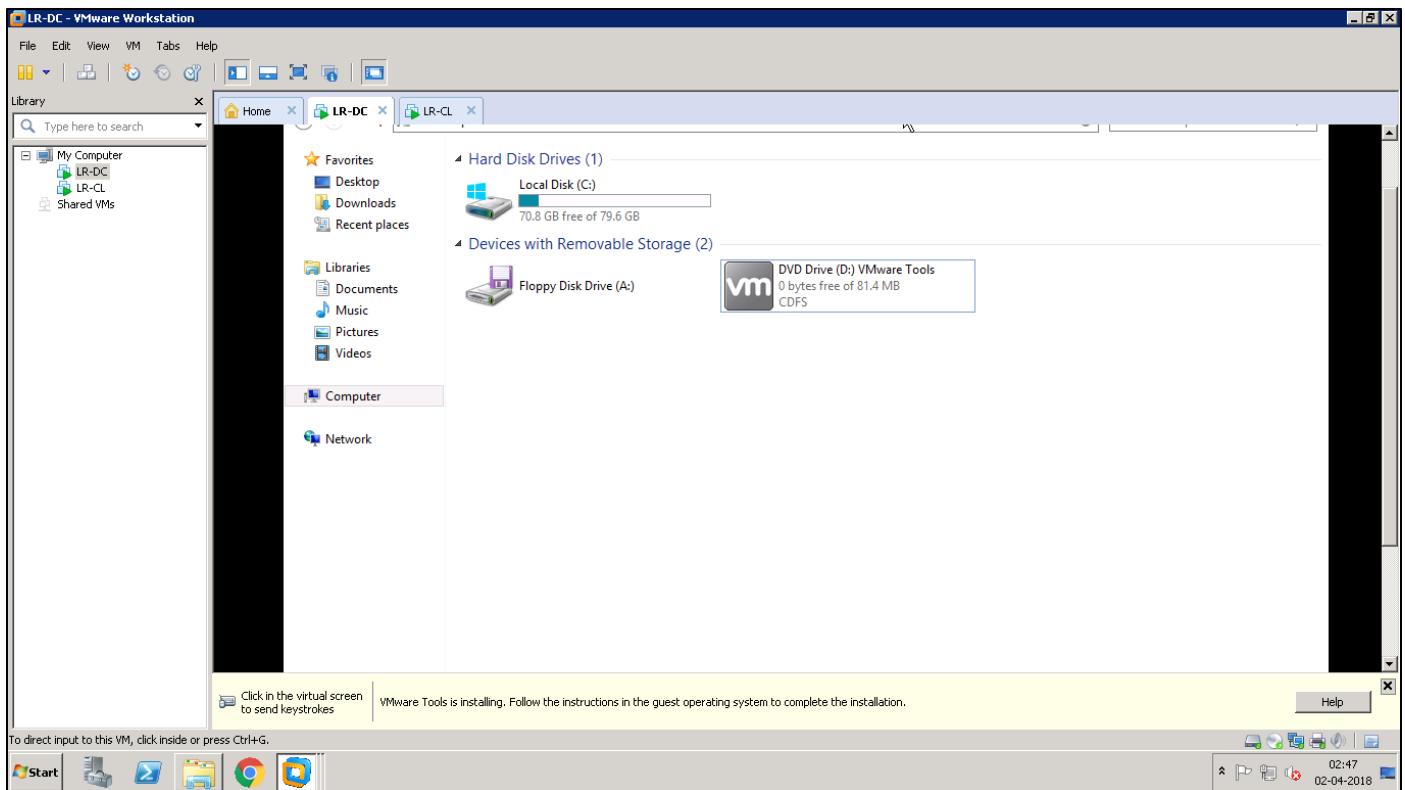


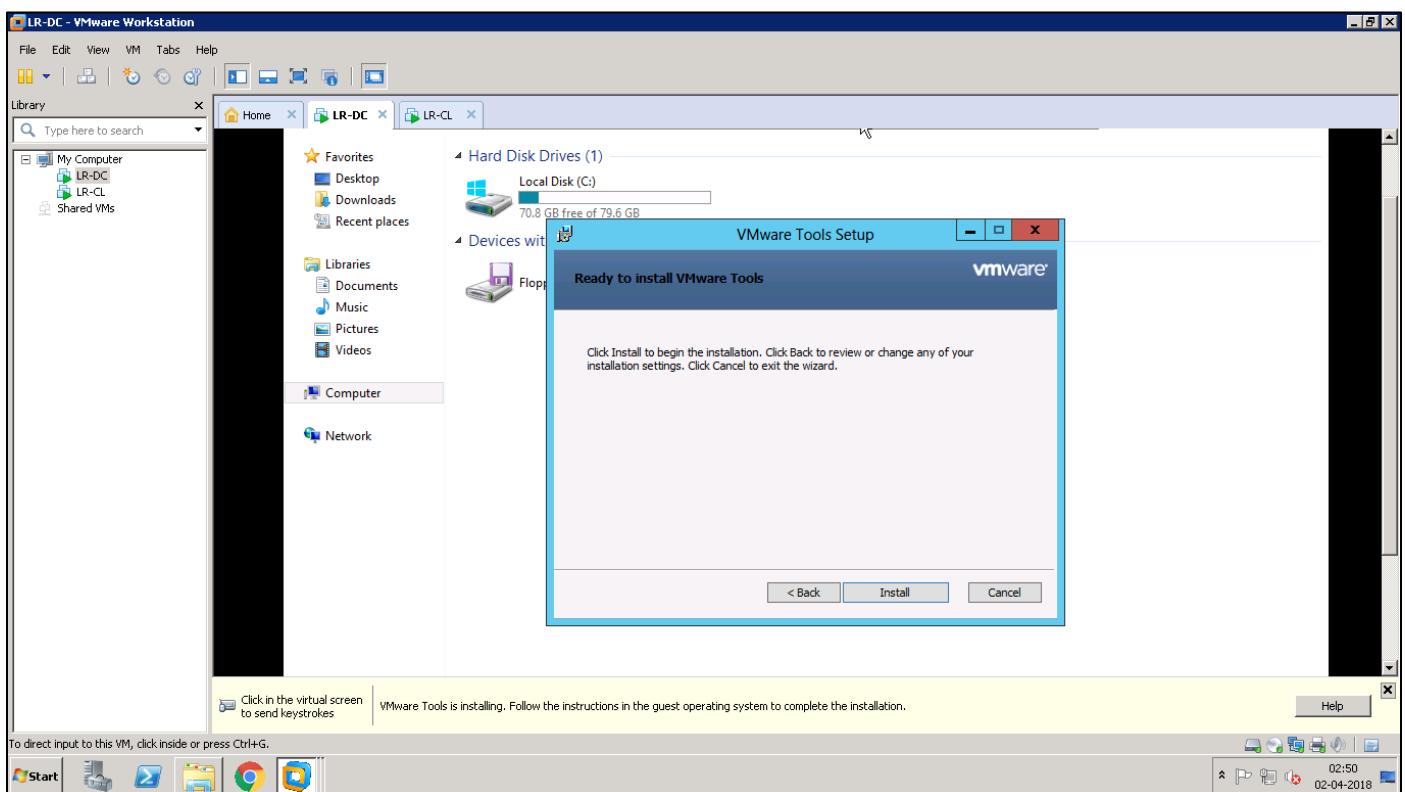
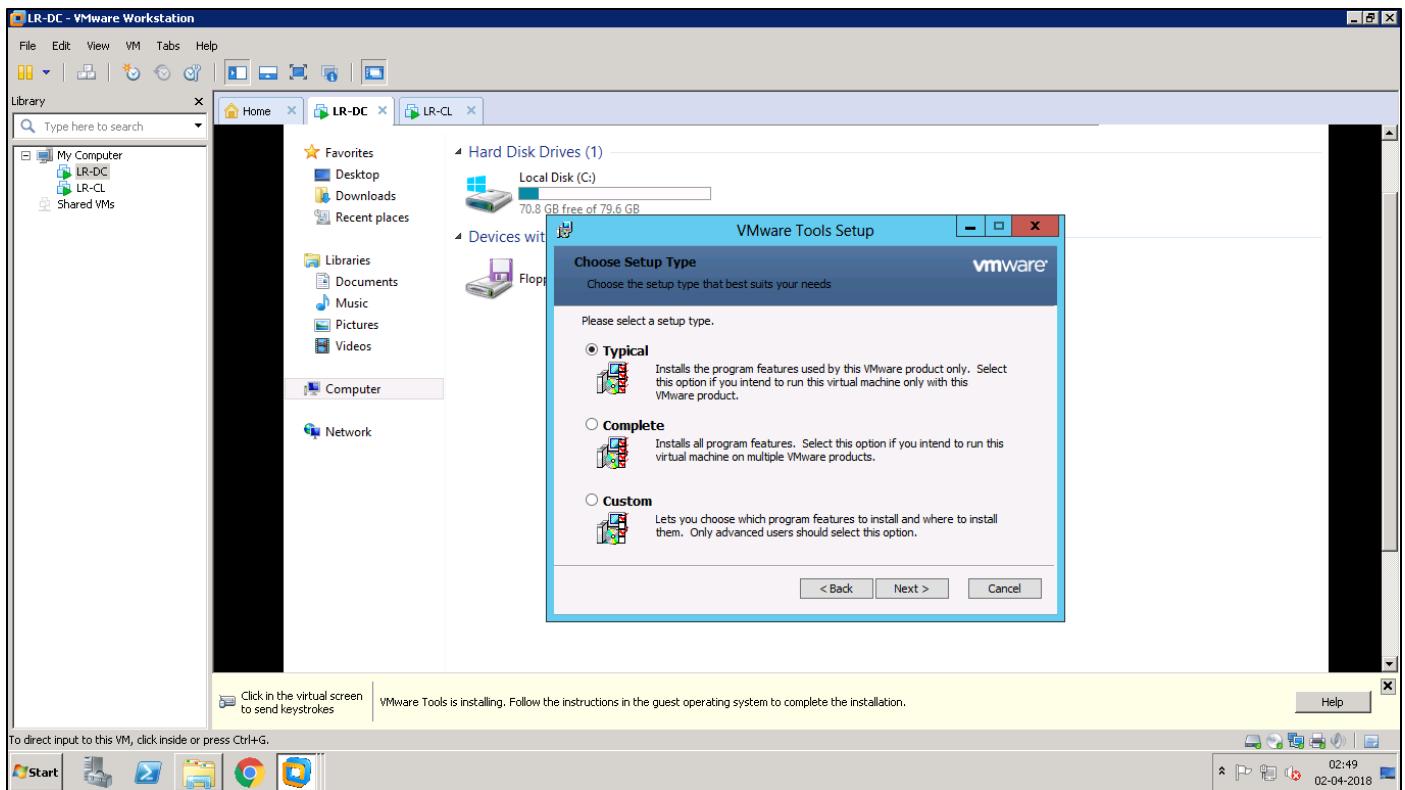


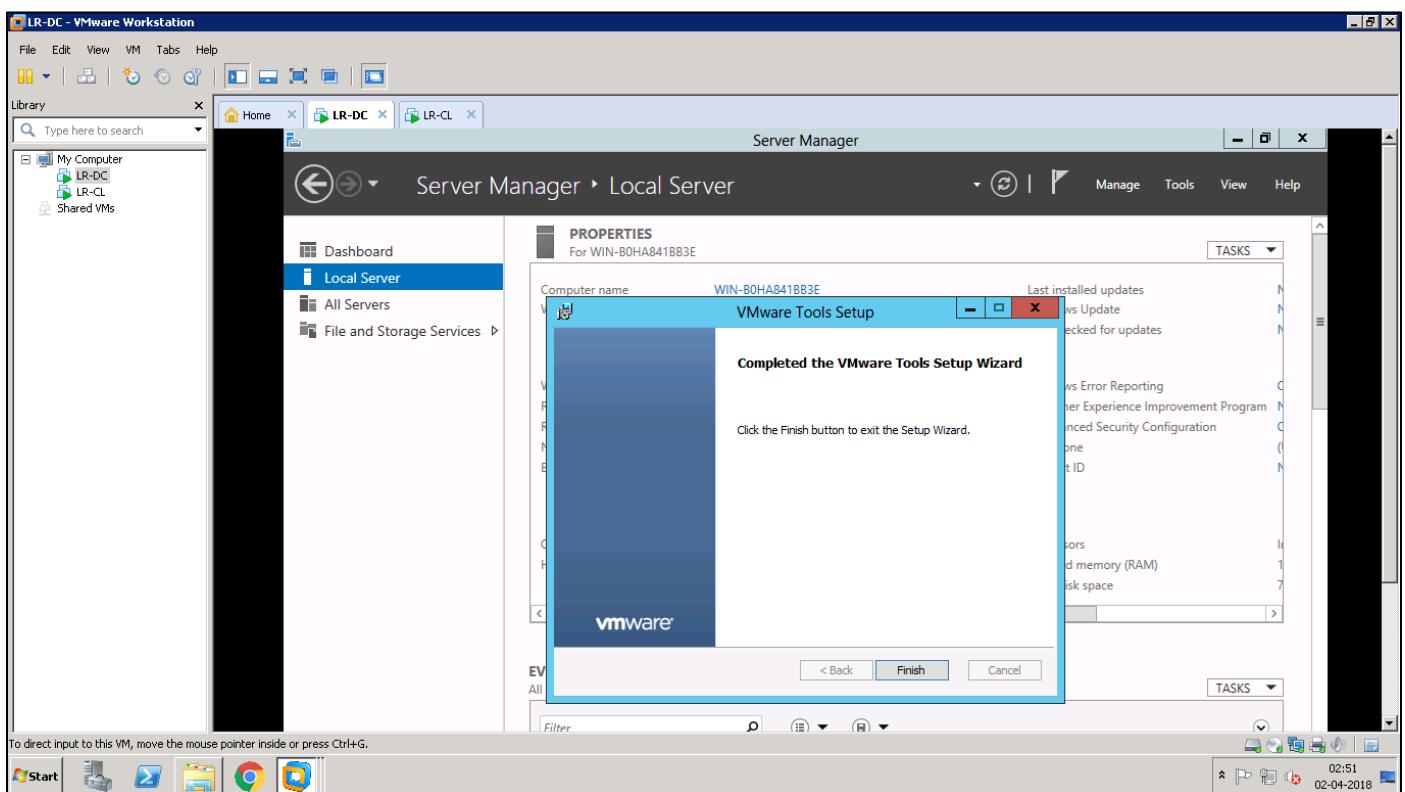
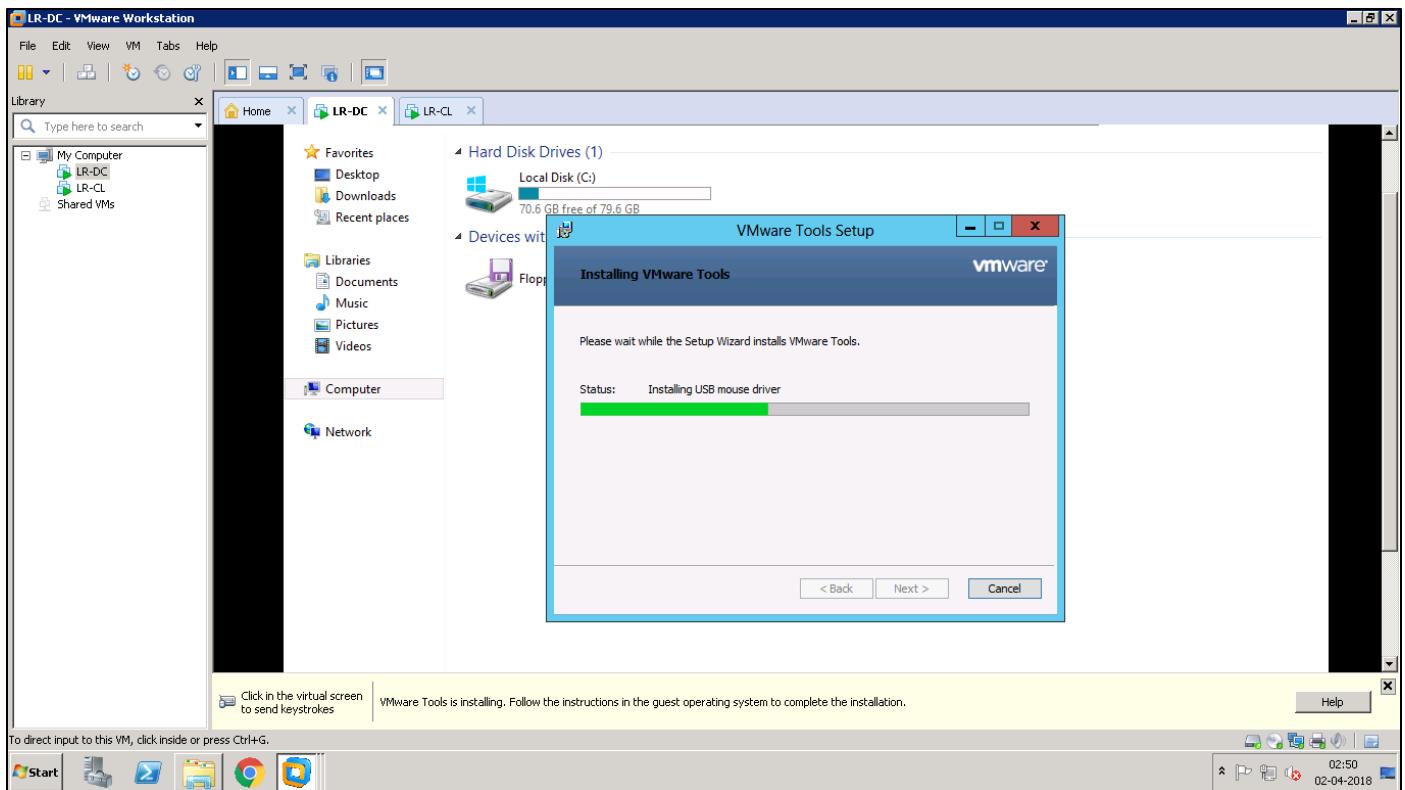




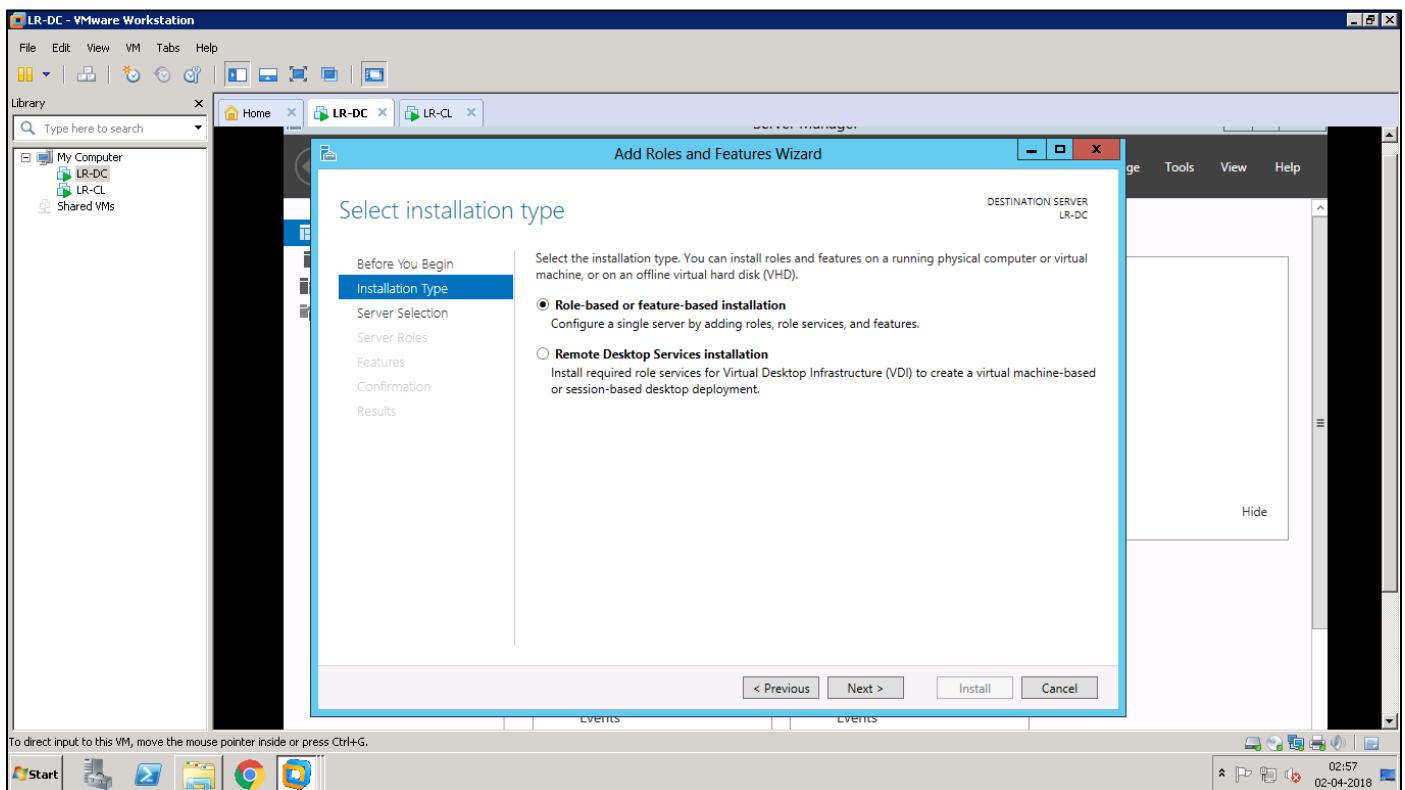
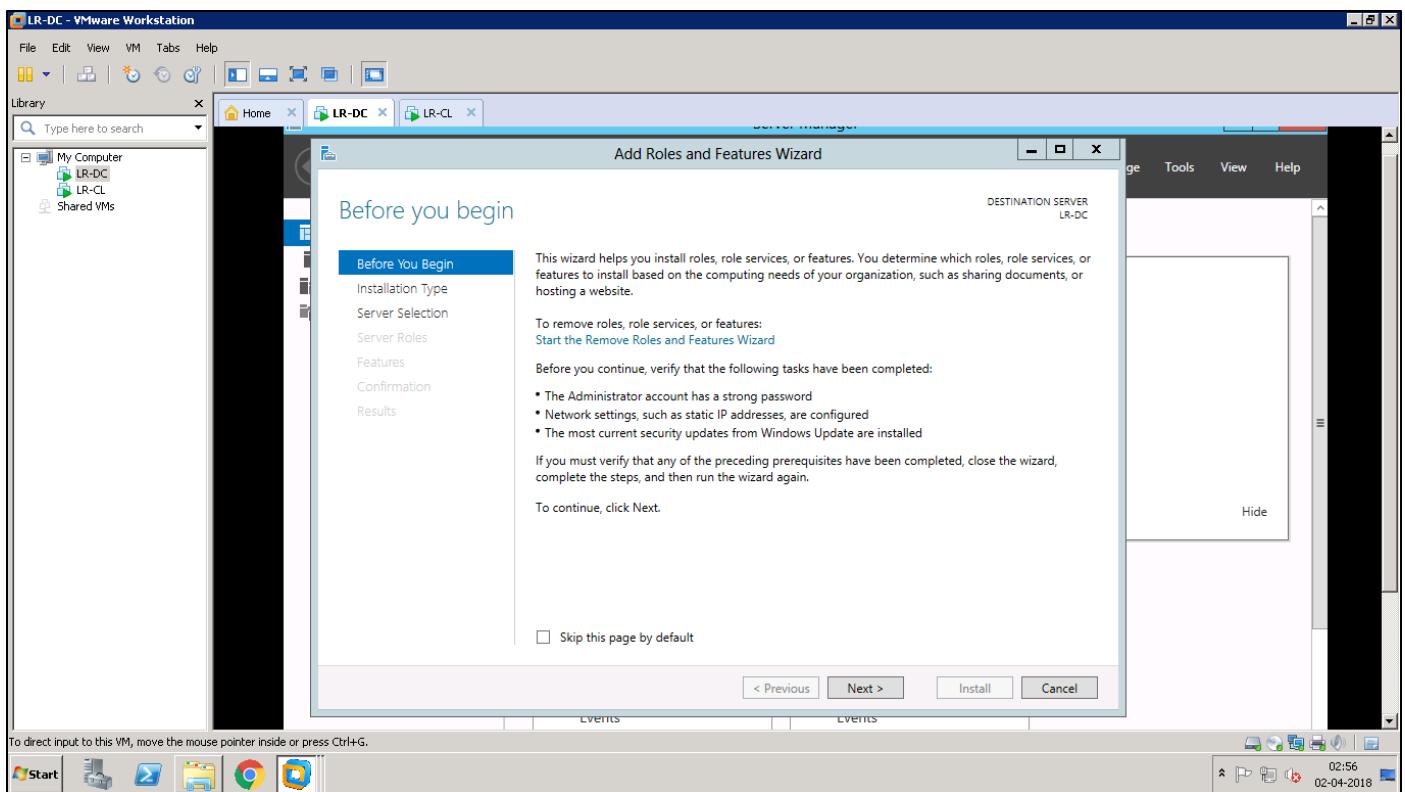


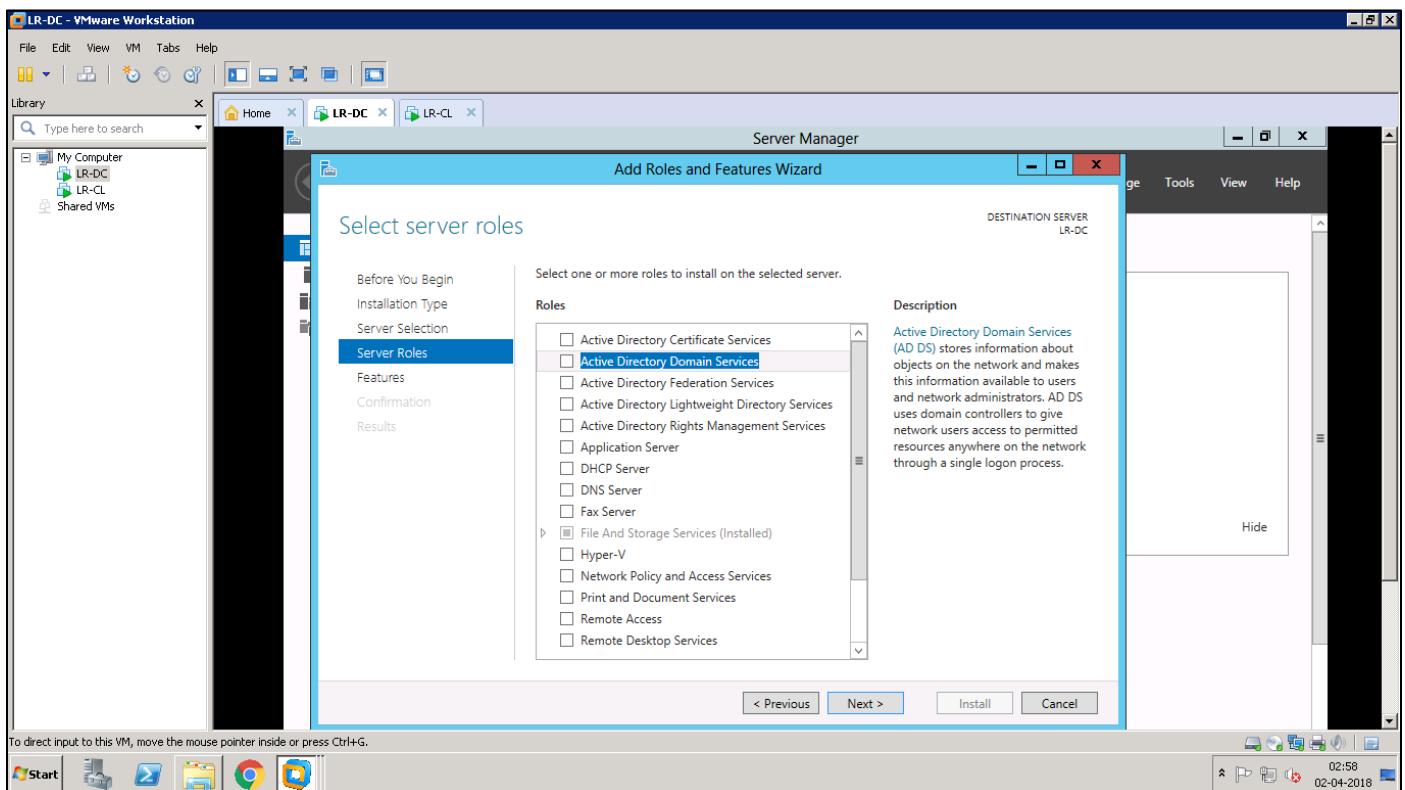
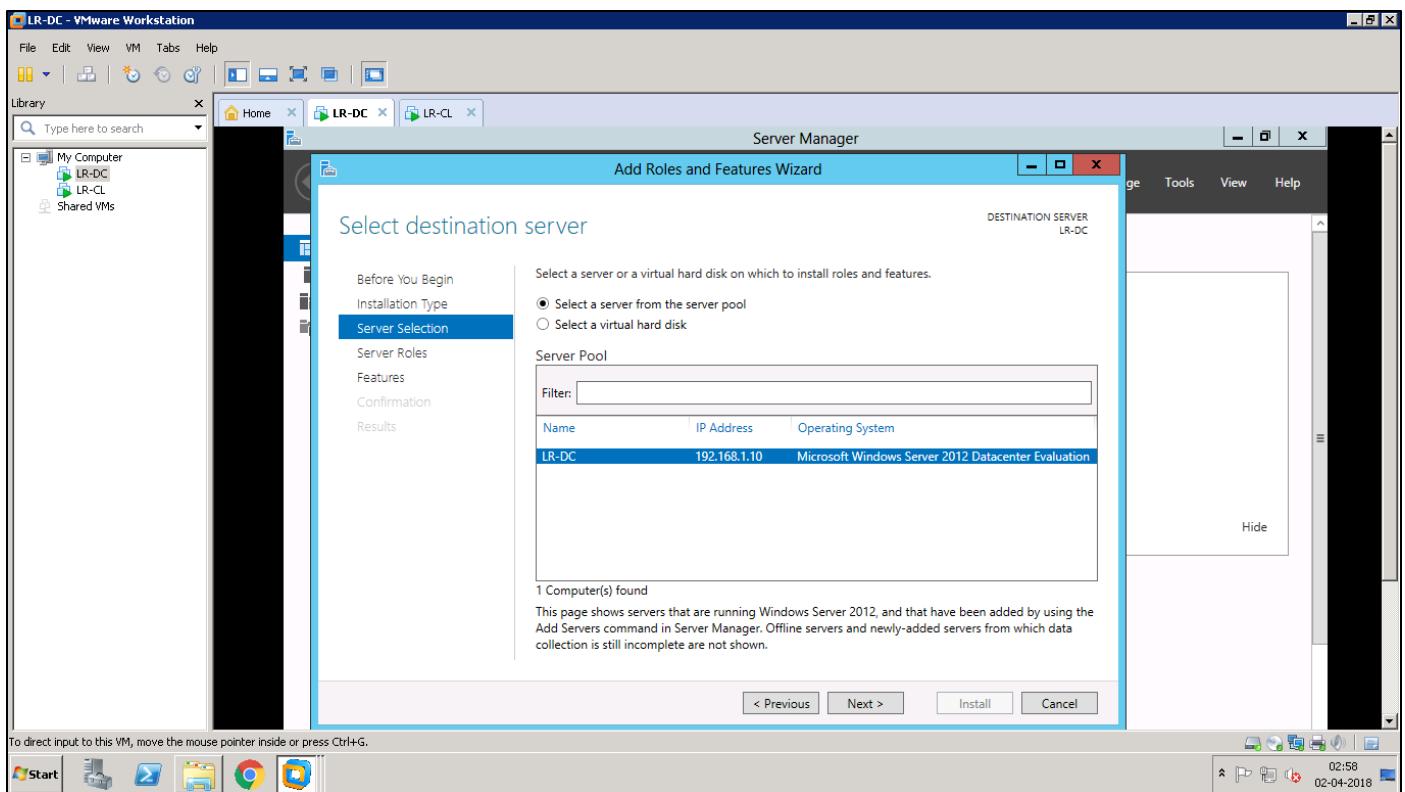


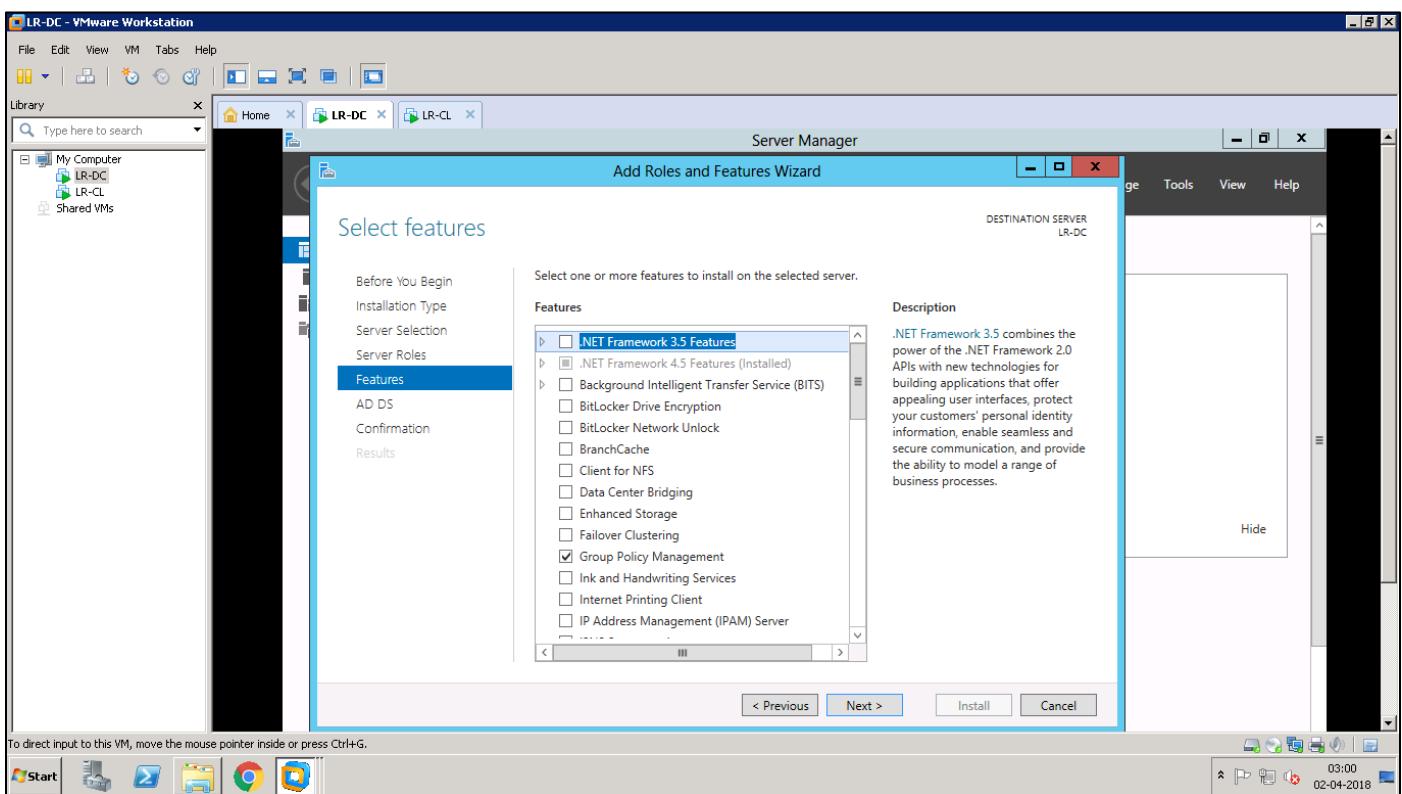
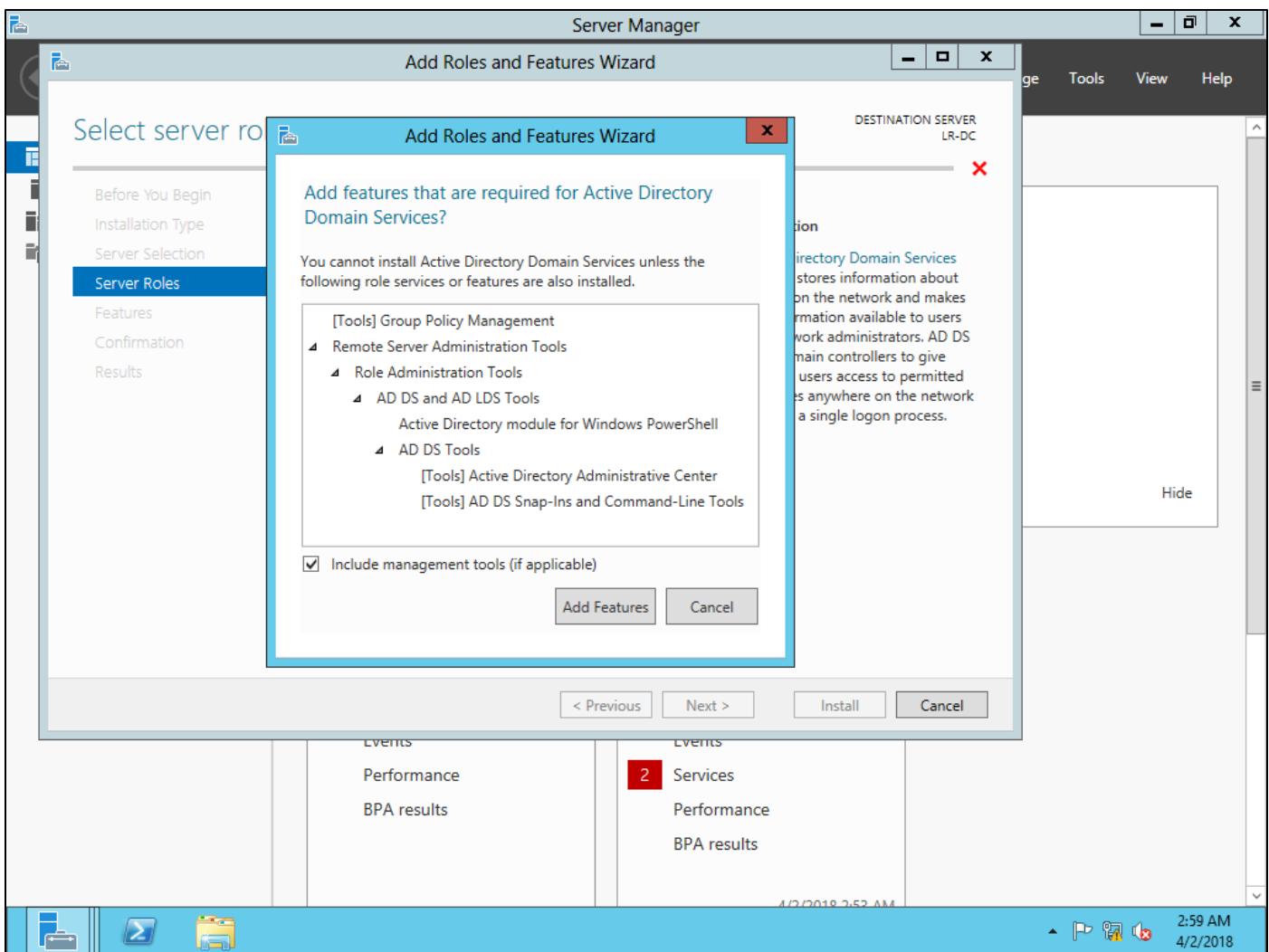


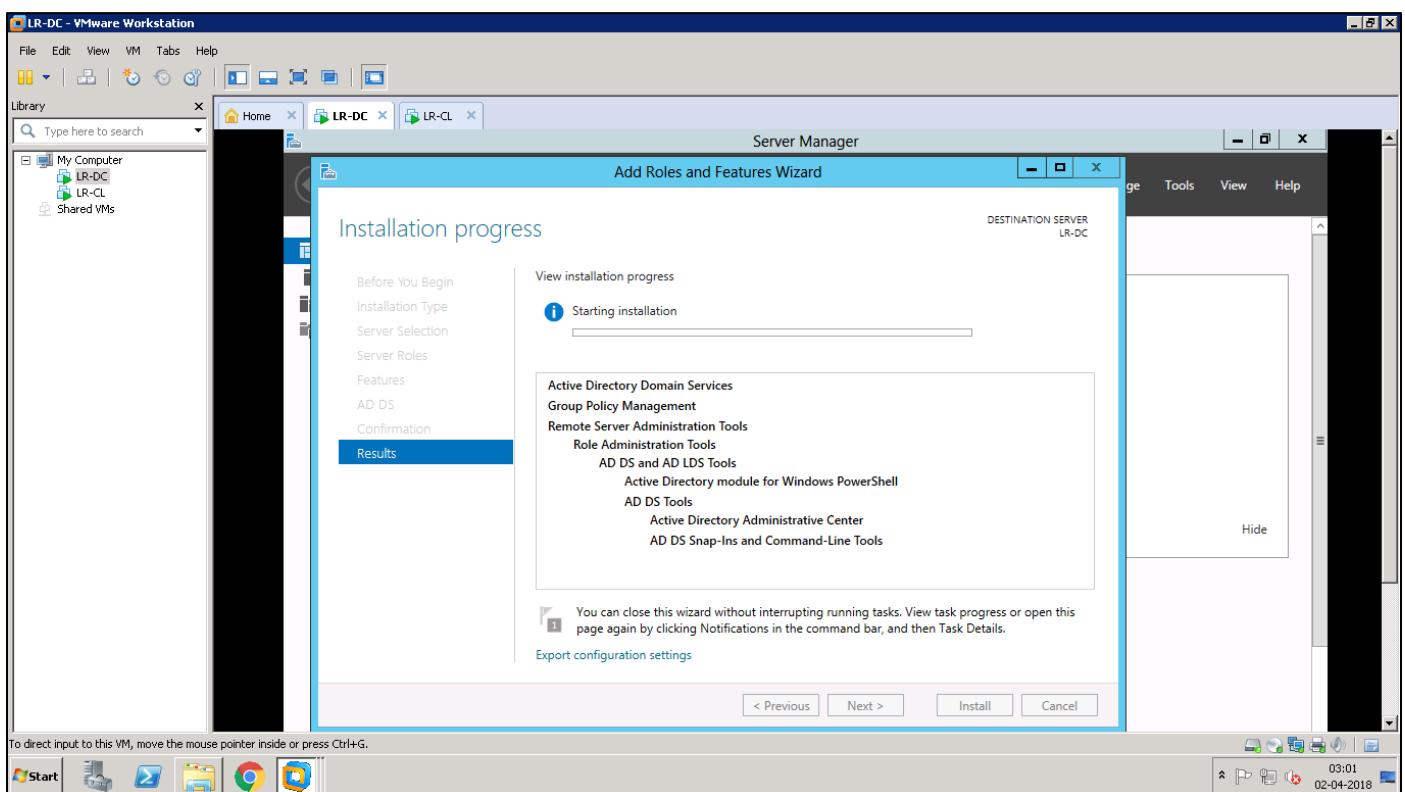
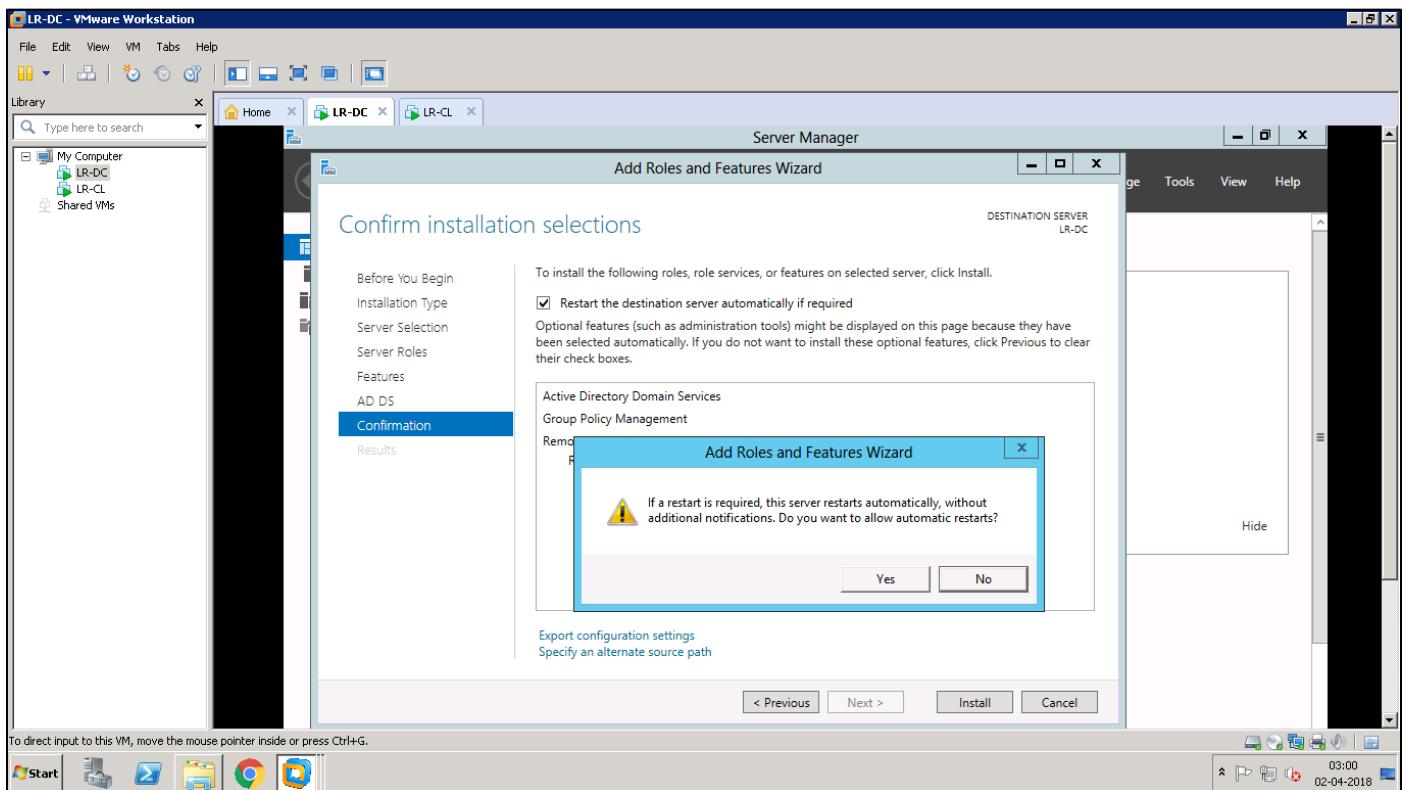


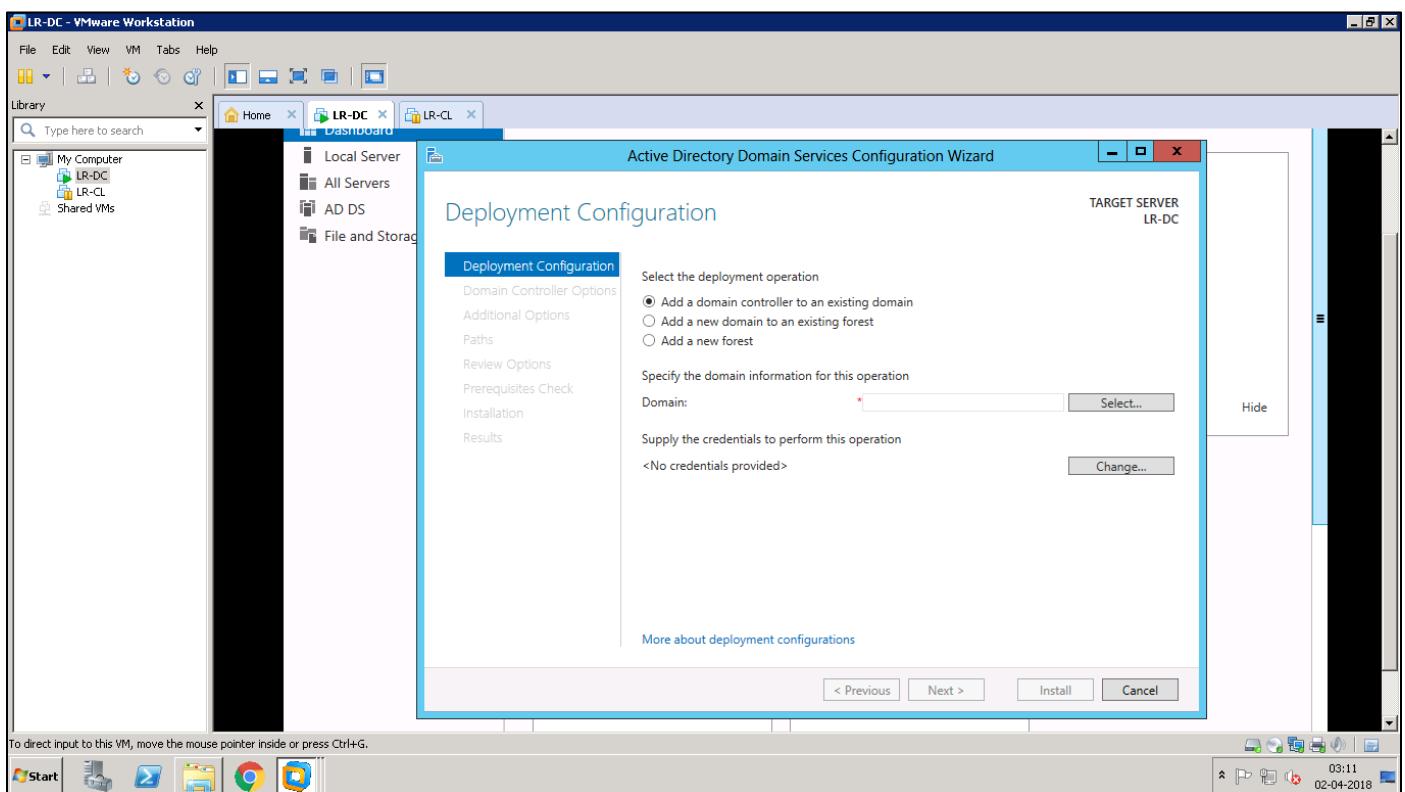
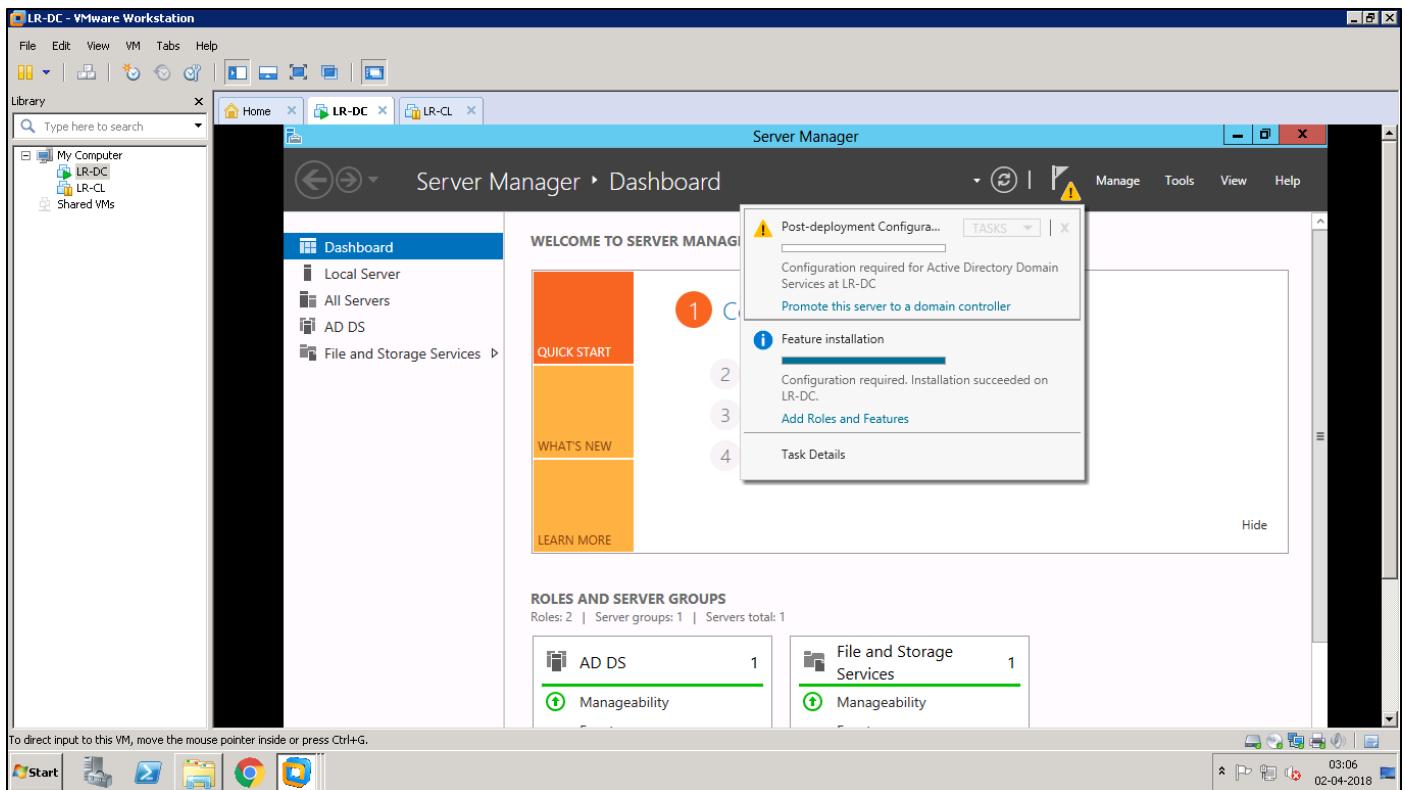
Machine will restart after this to apply all the changes we made.

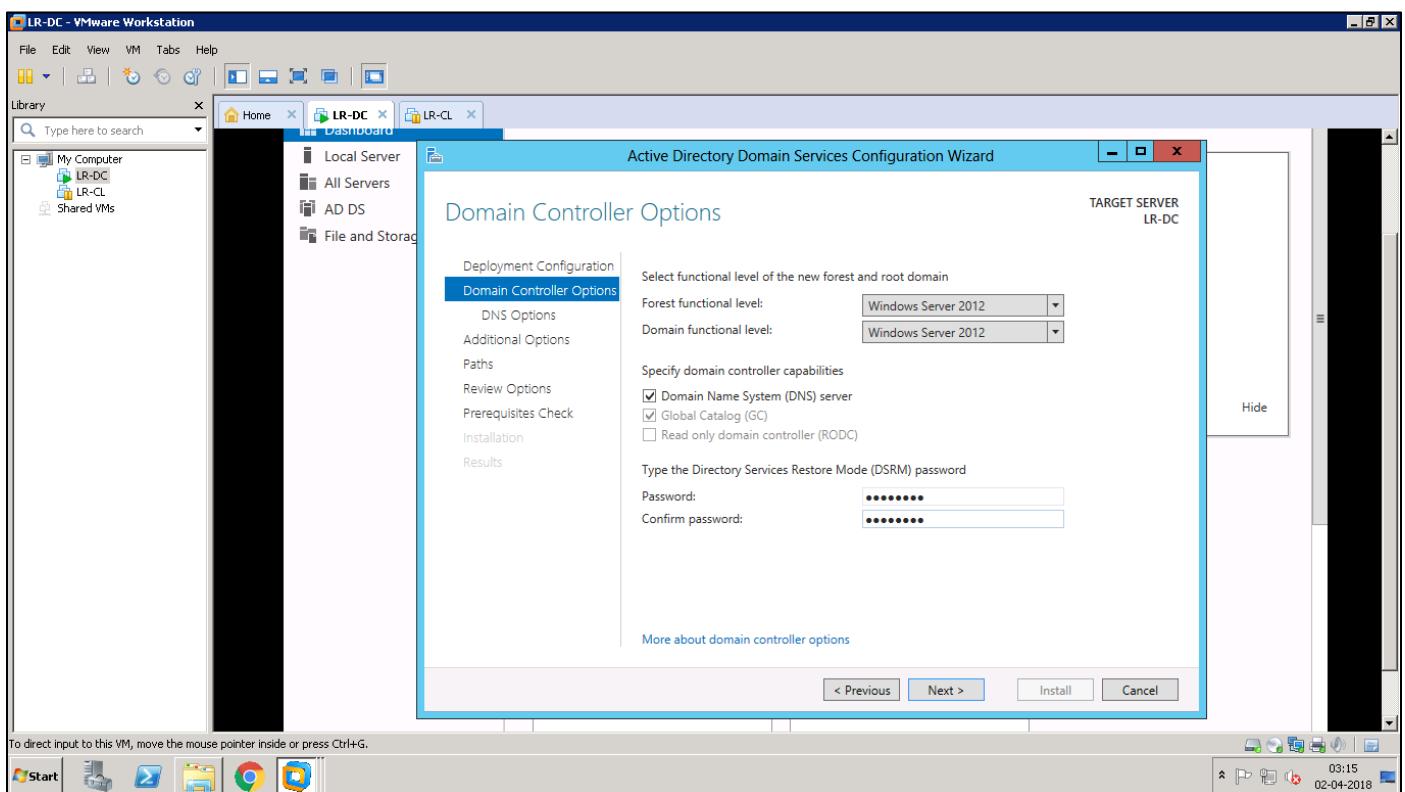
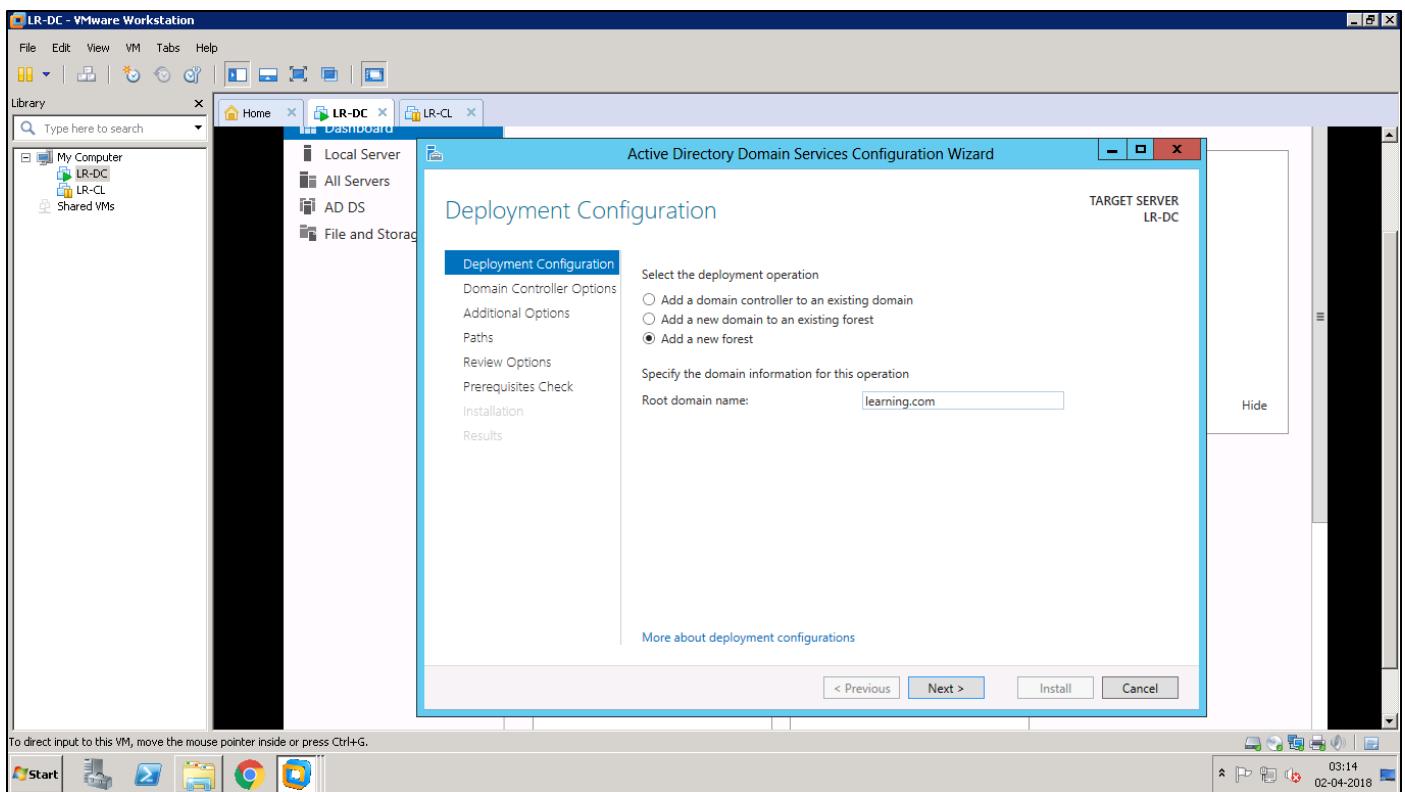


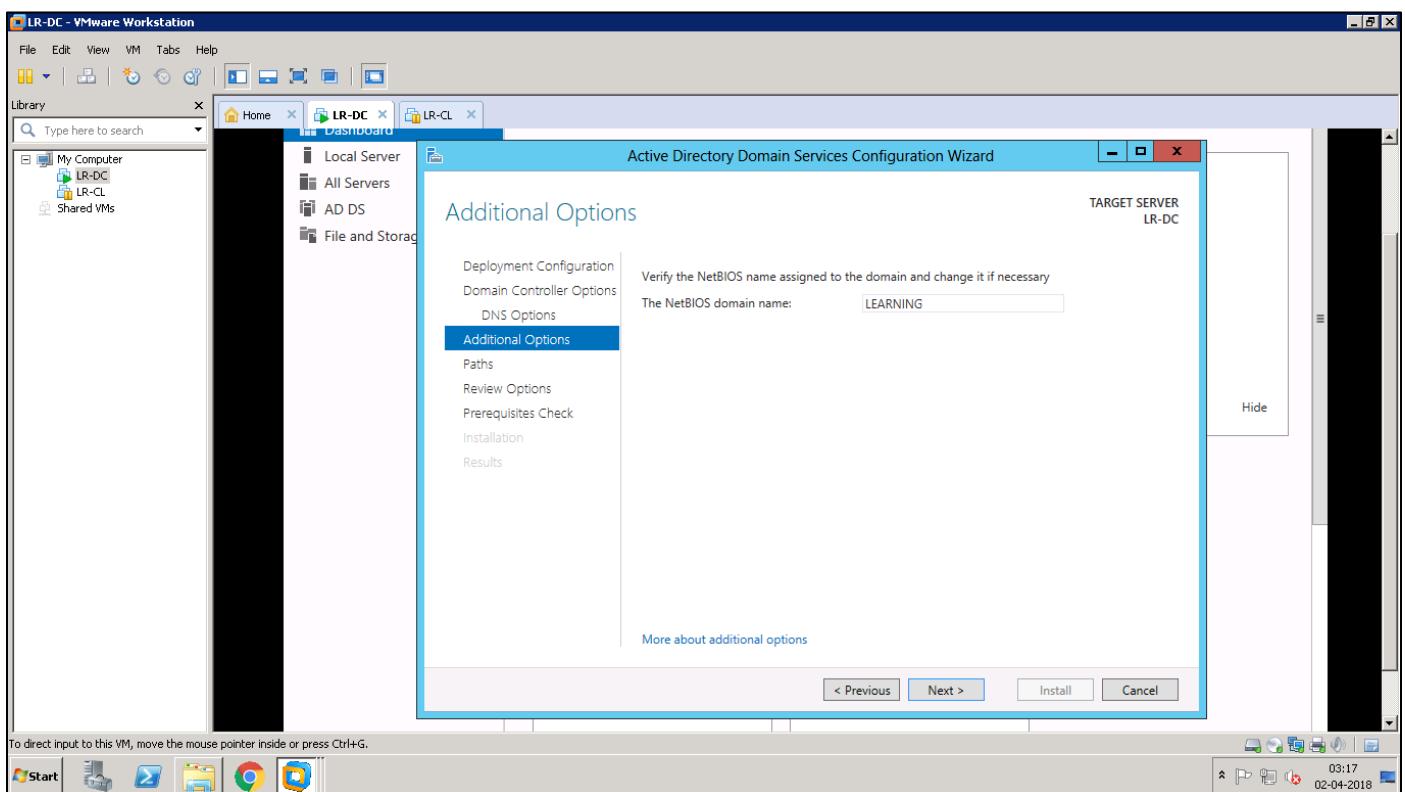
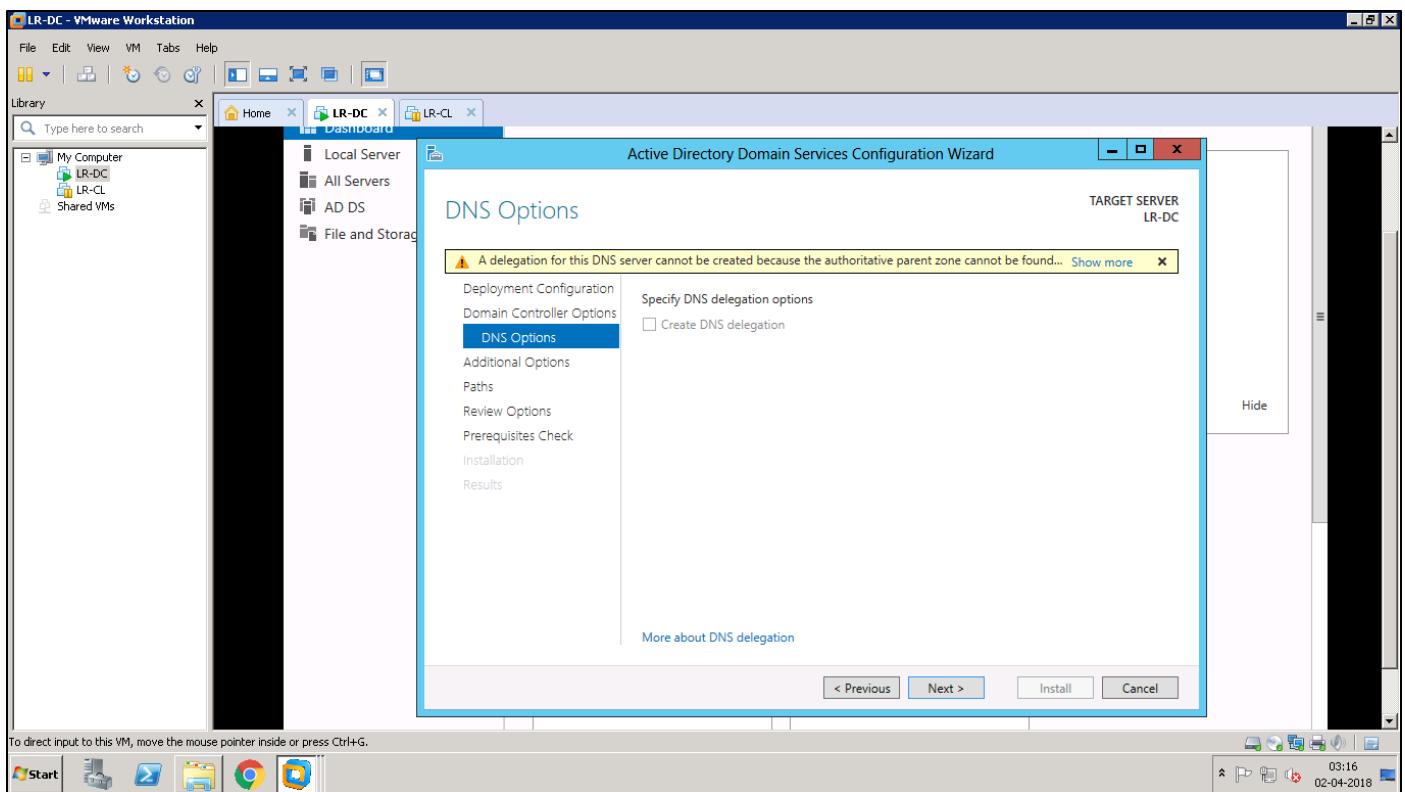


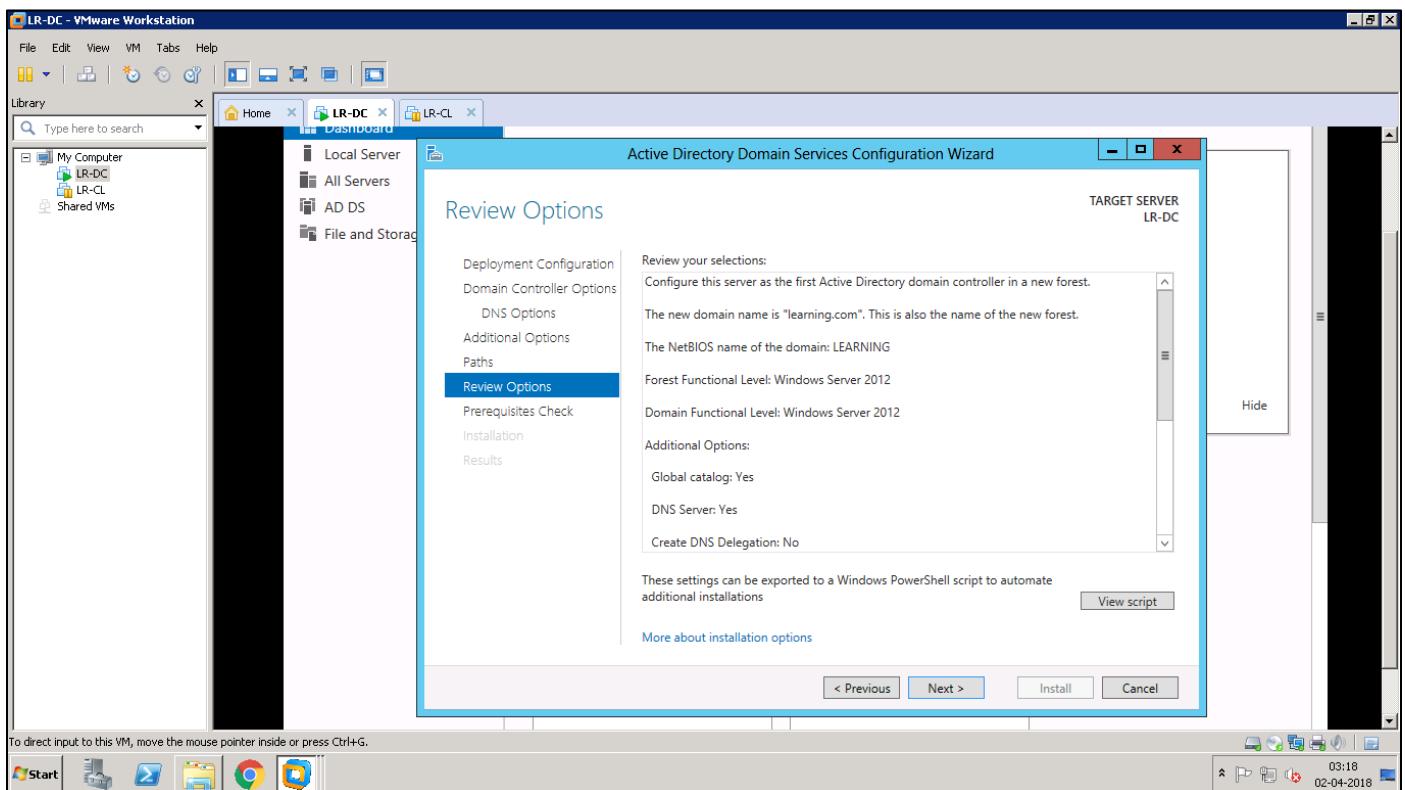
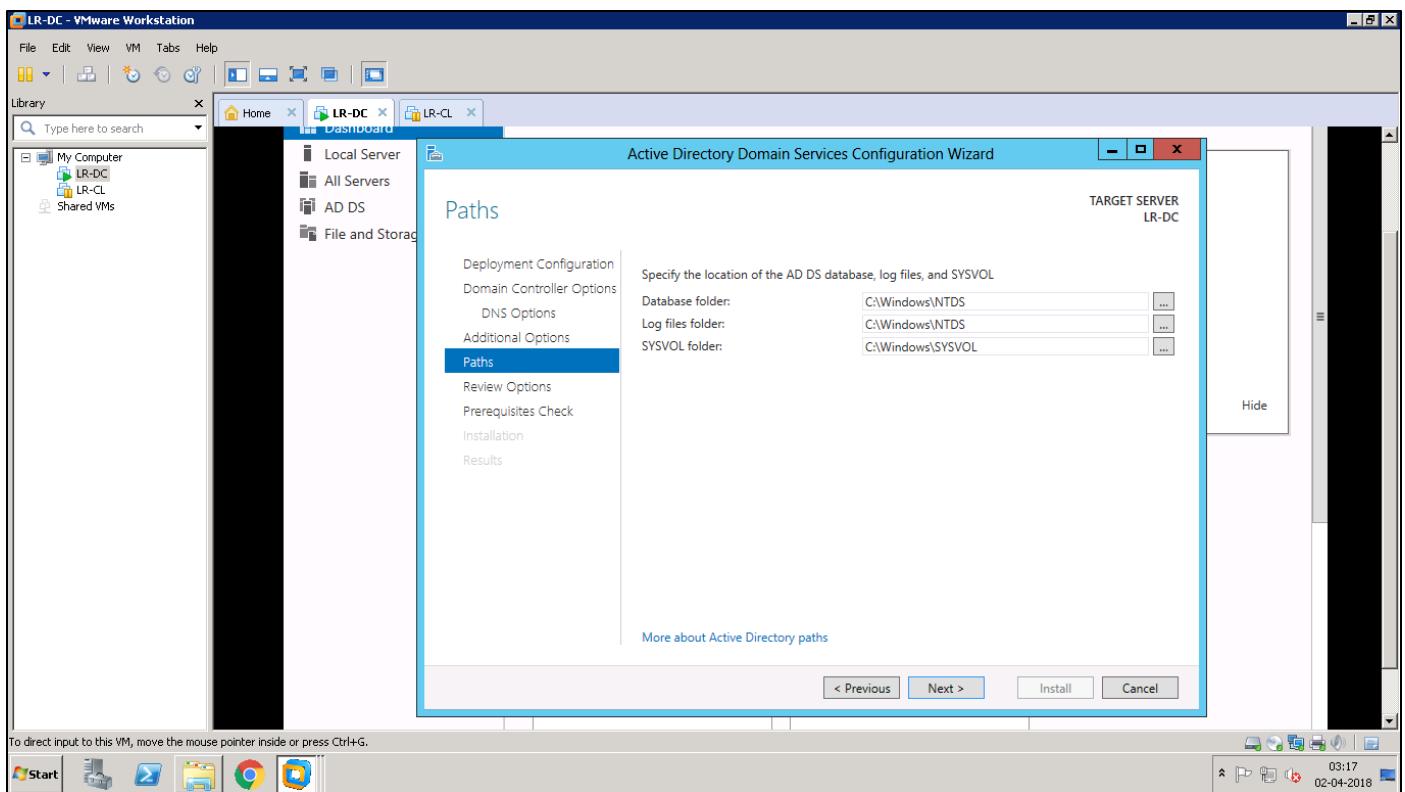


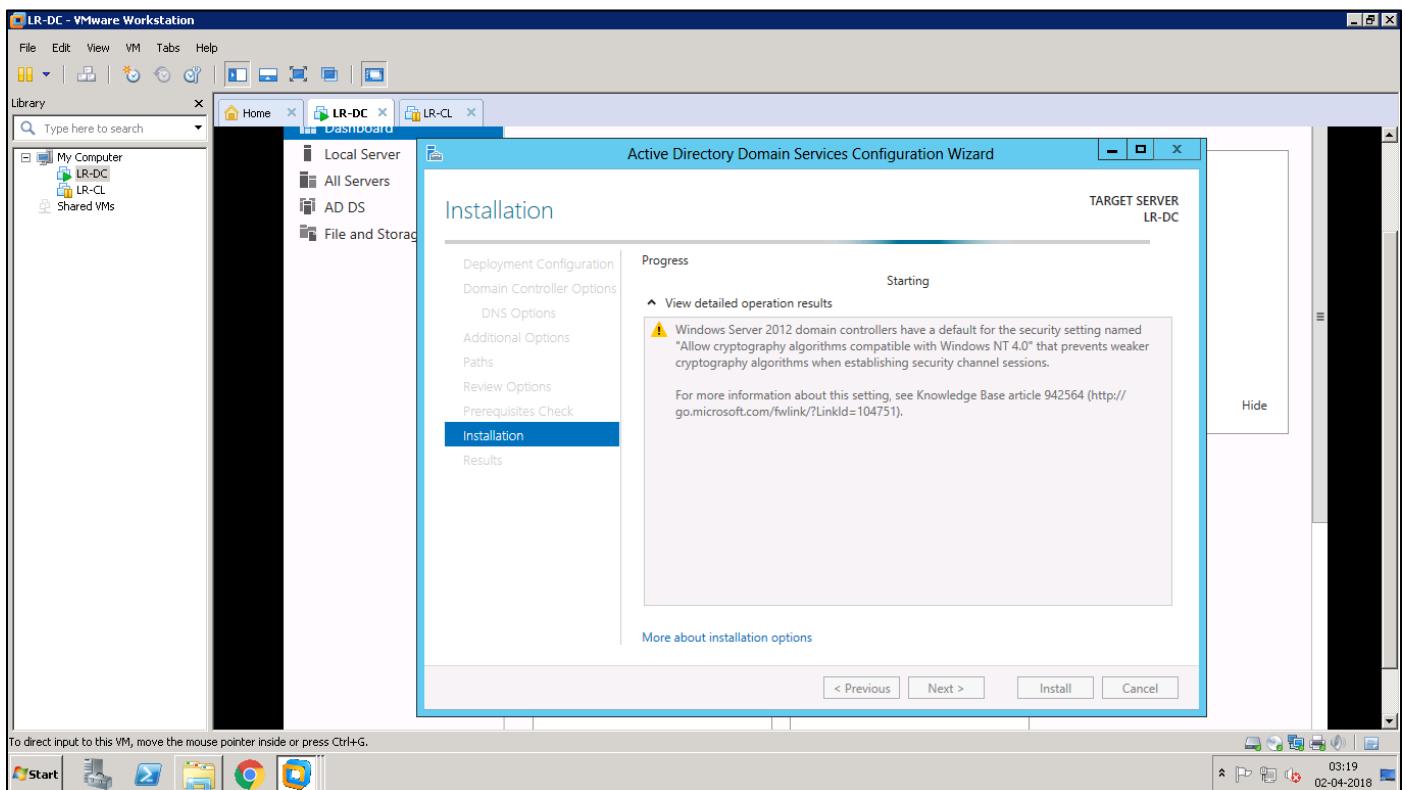
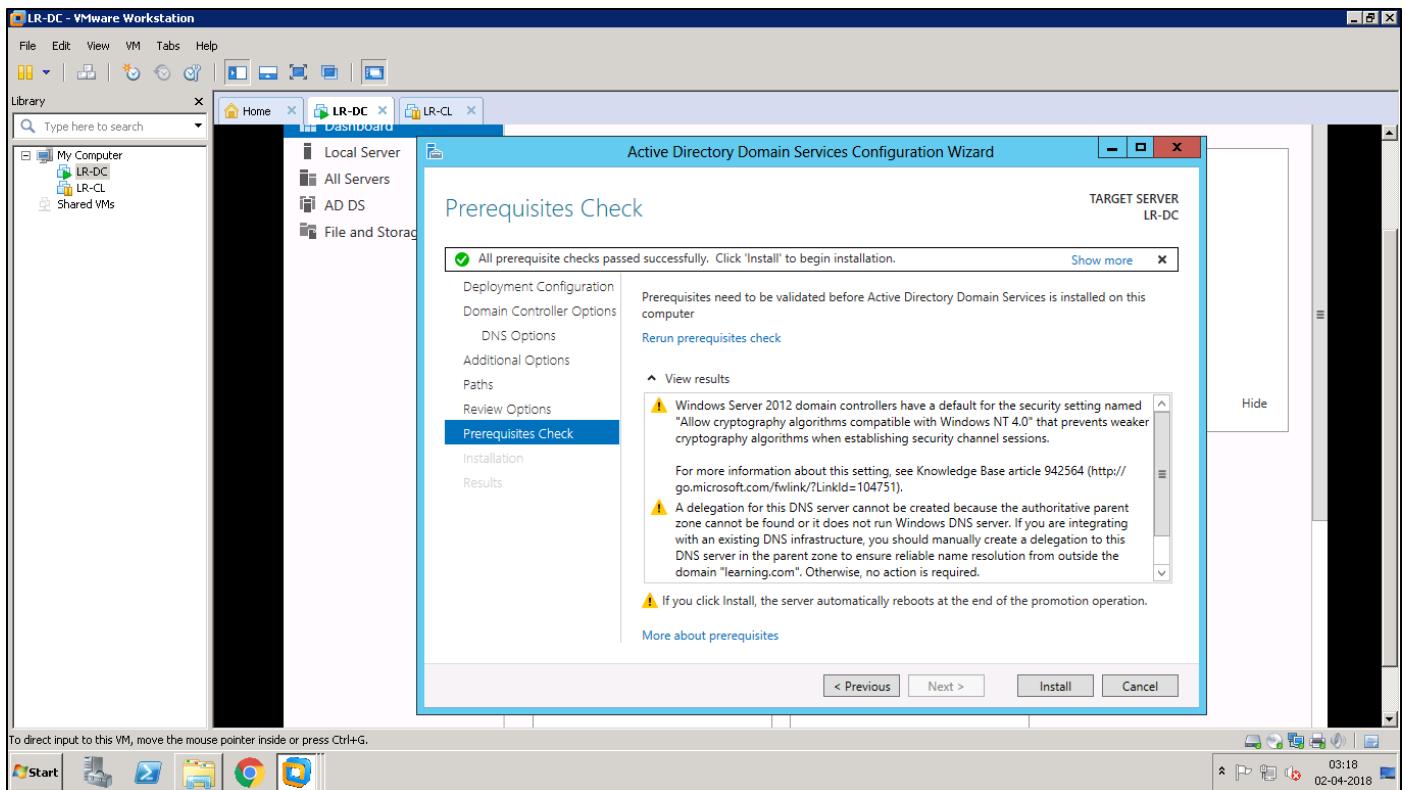


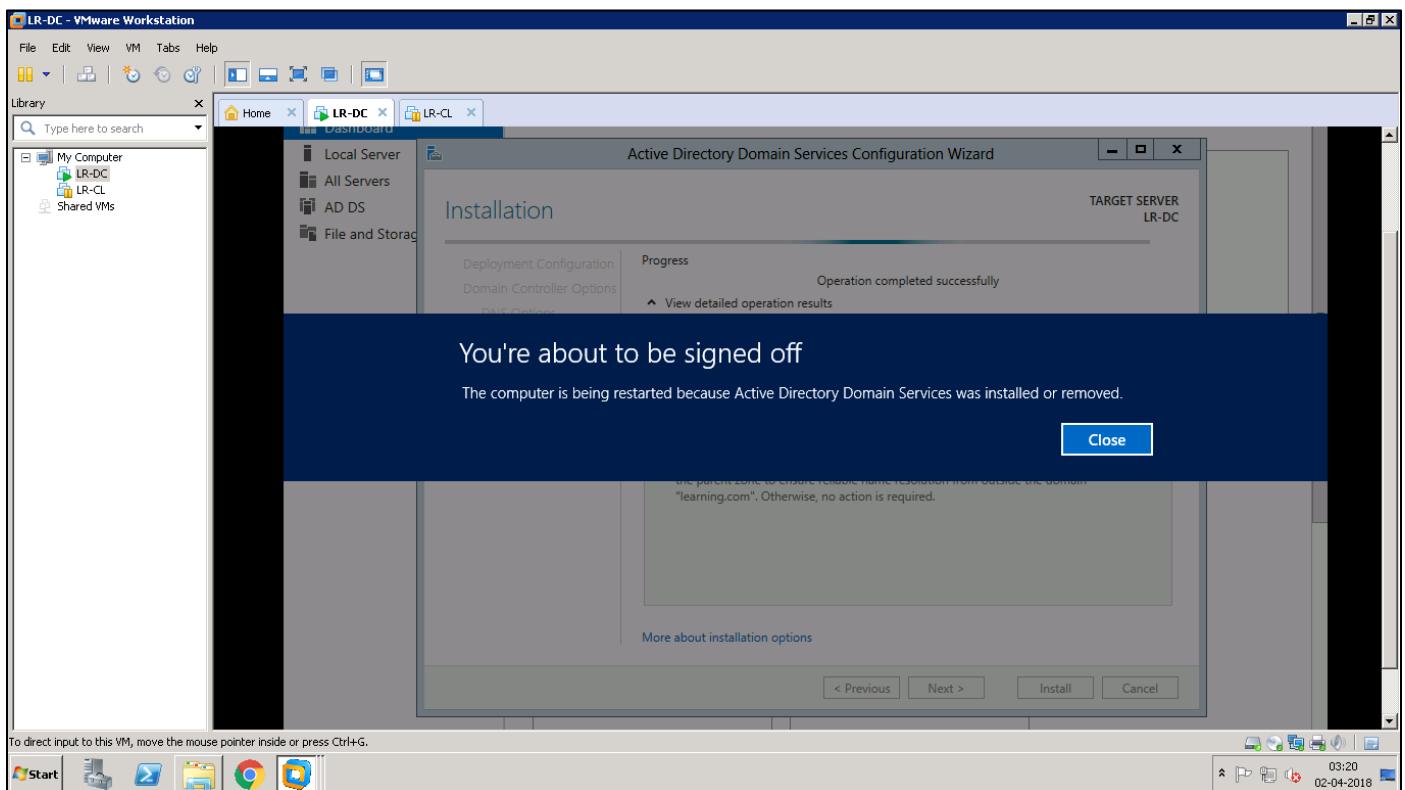
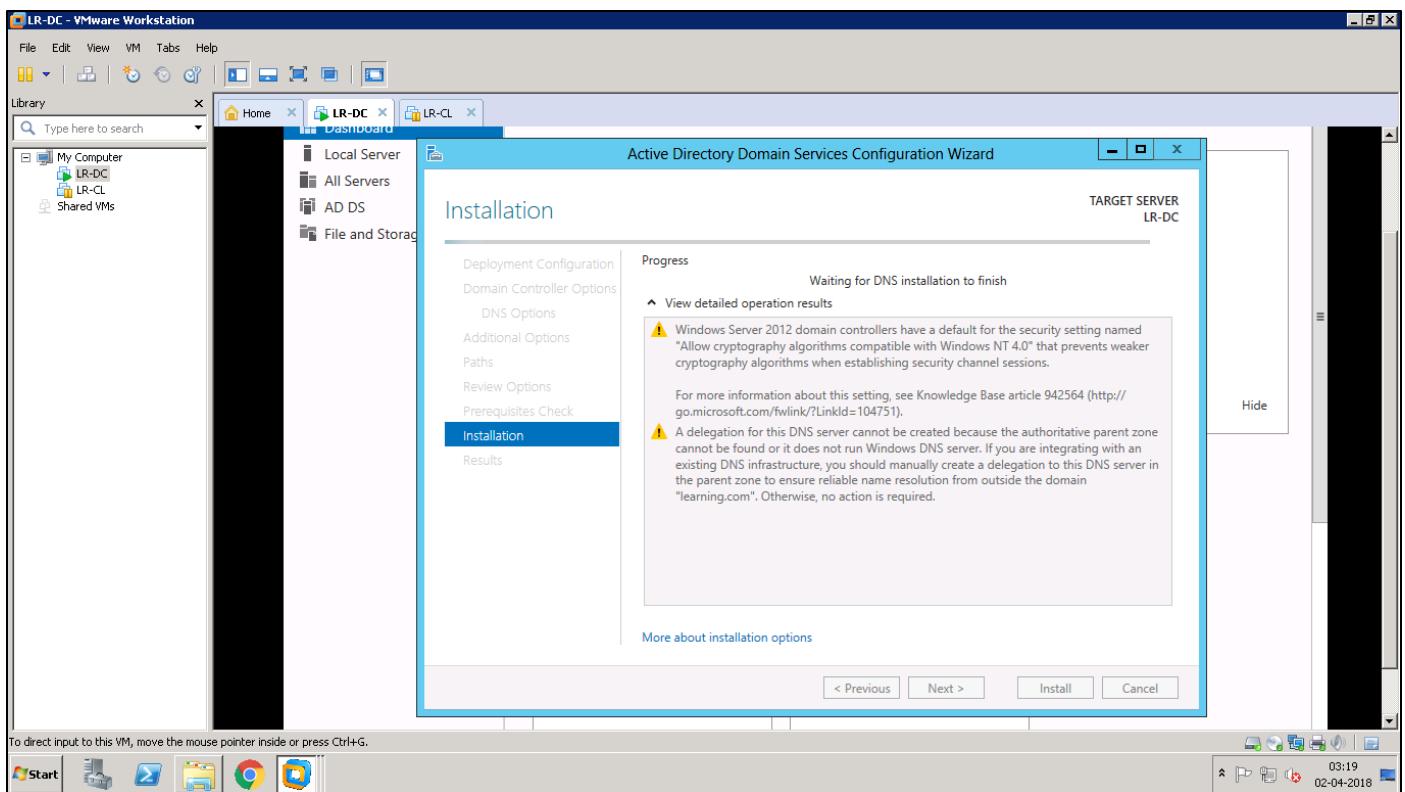


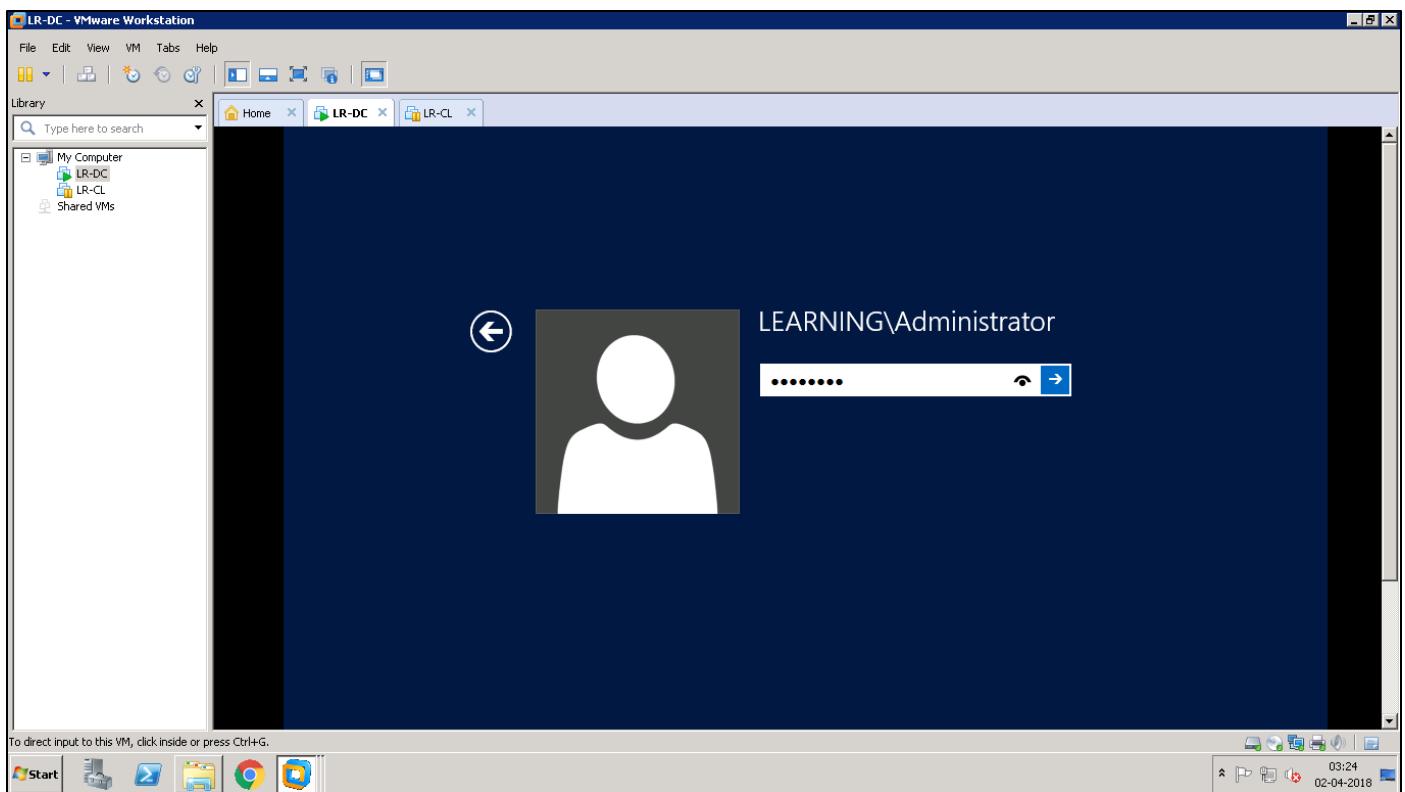




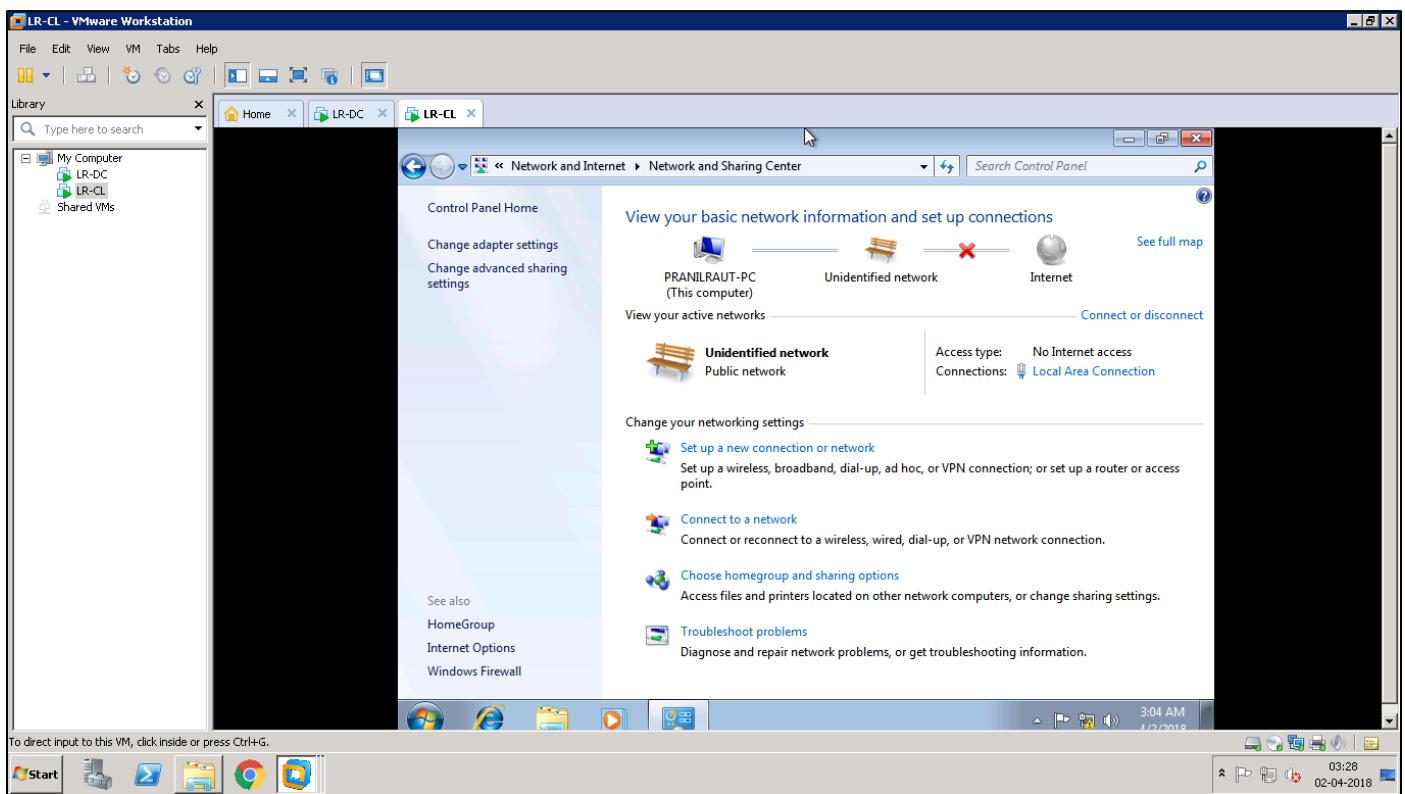


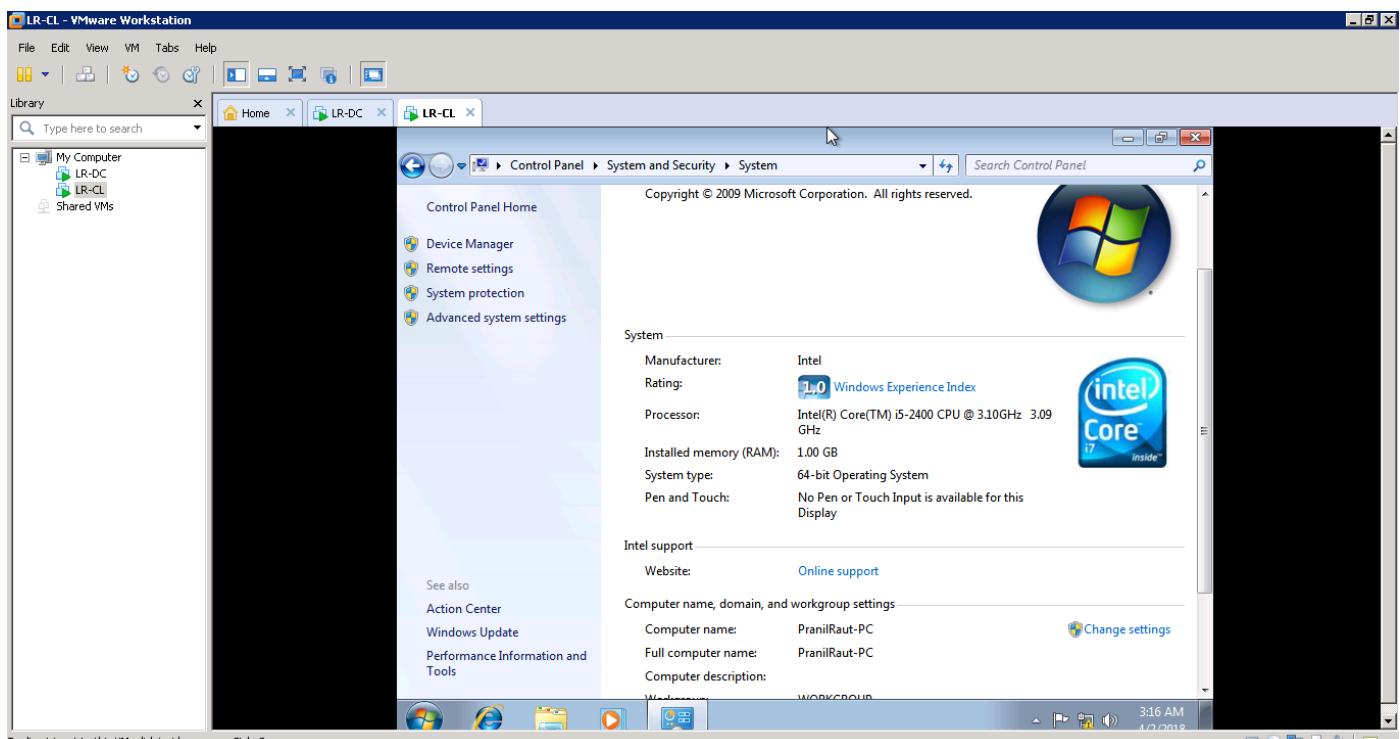




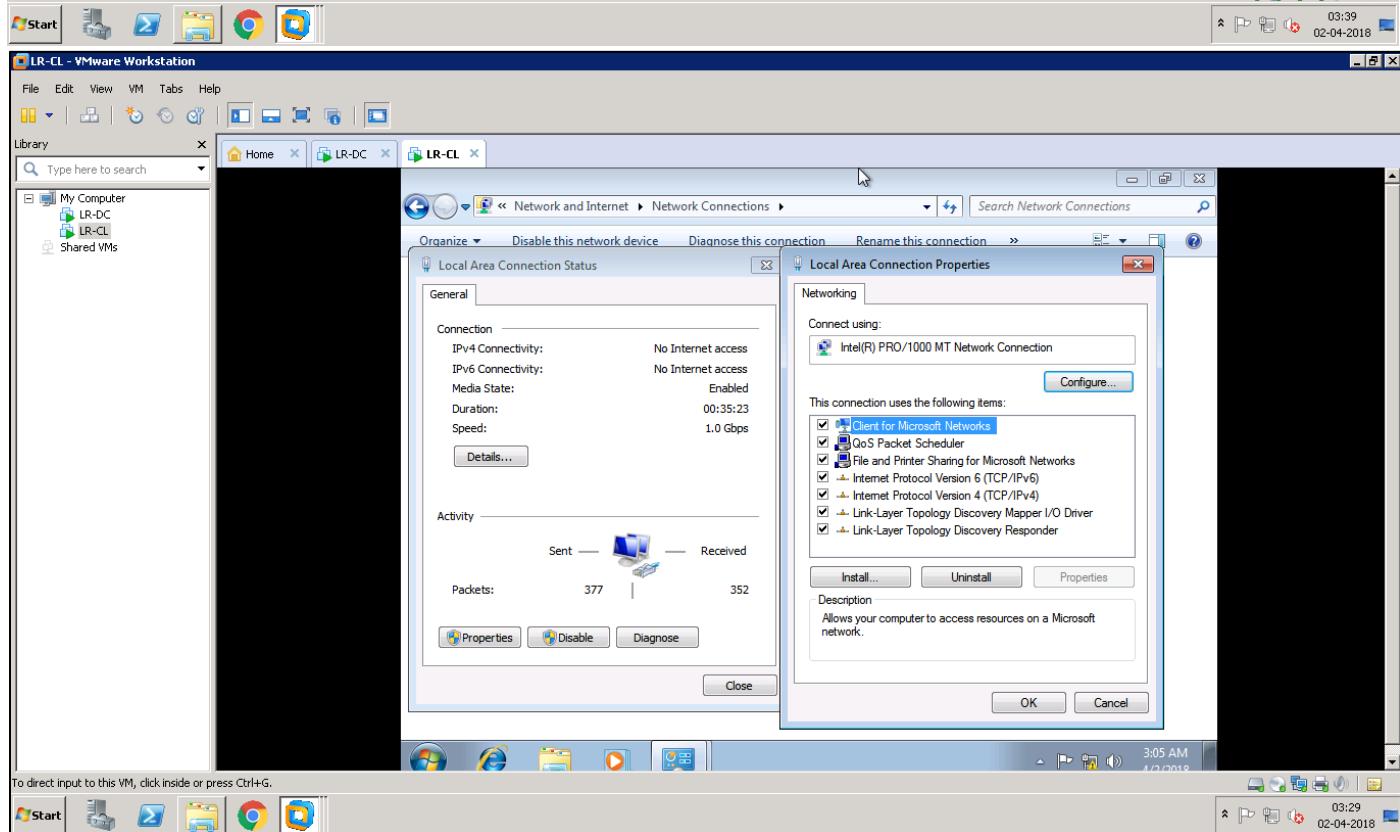


Coming to Client Machine:

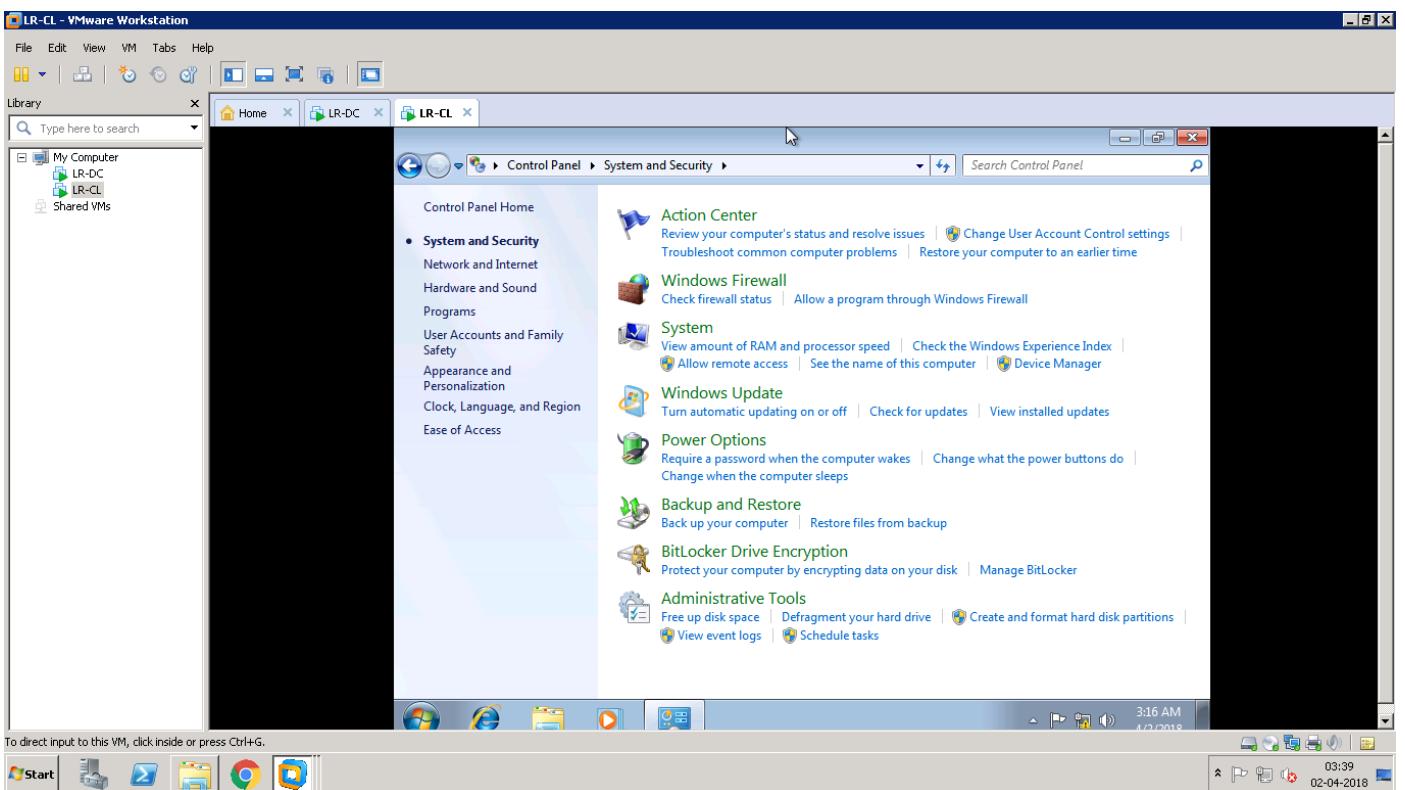
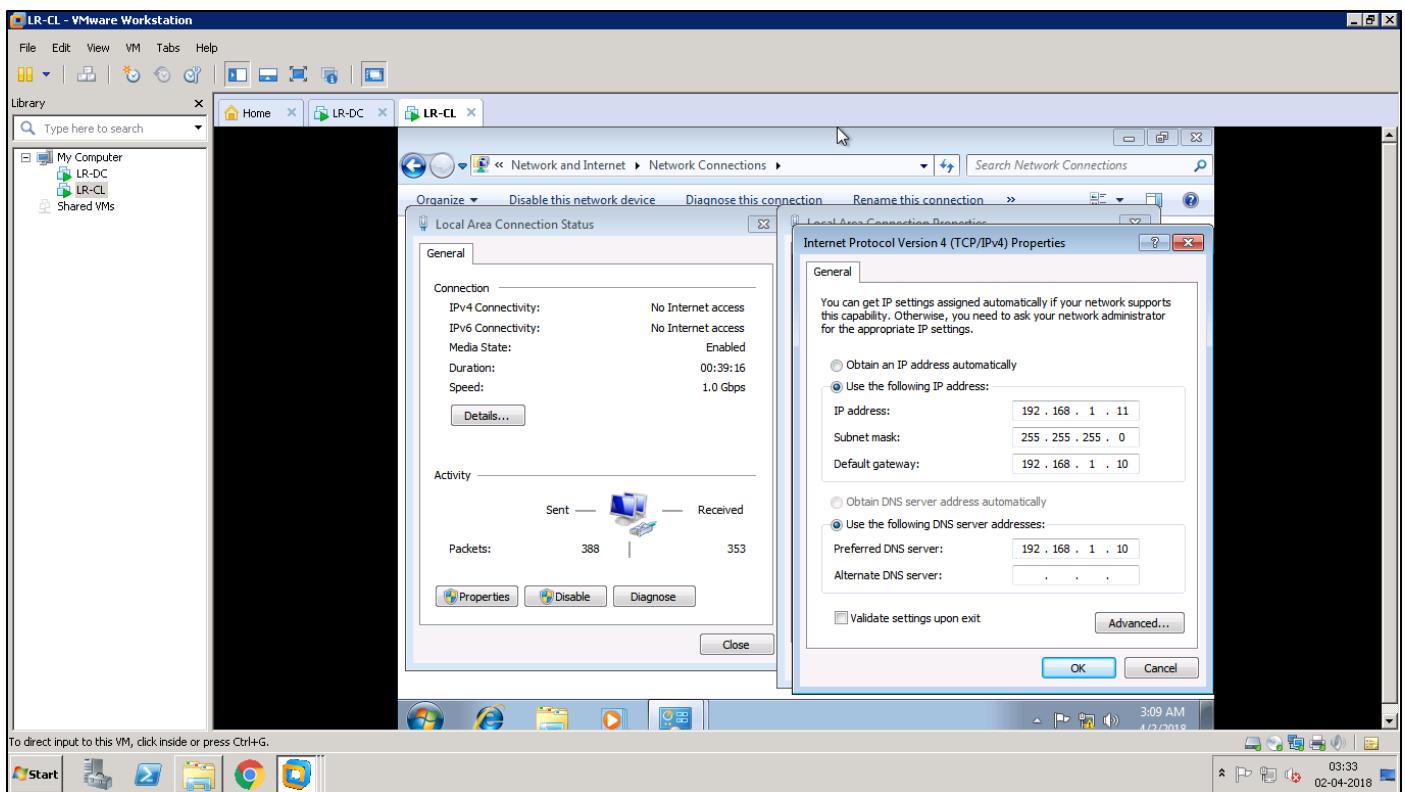


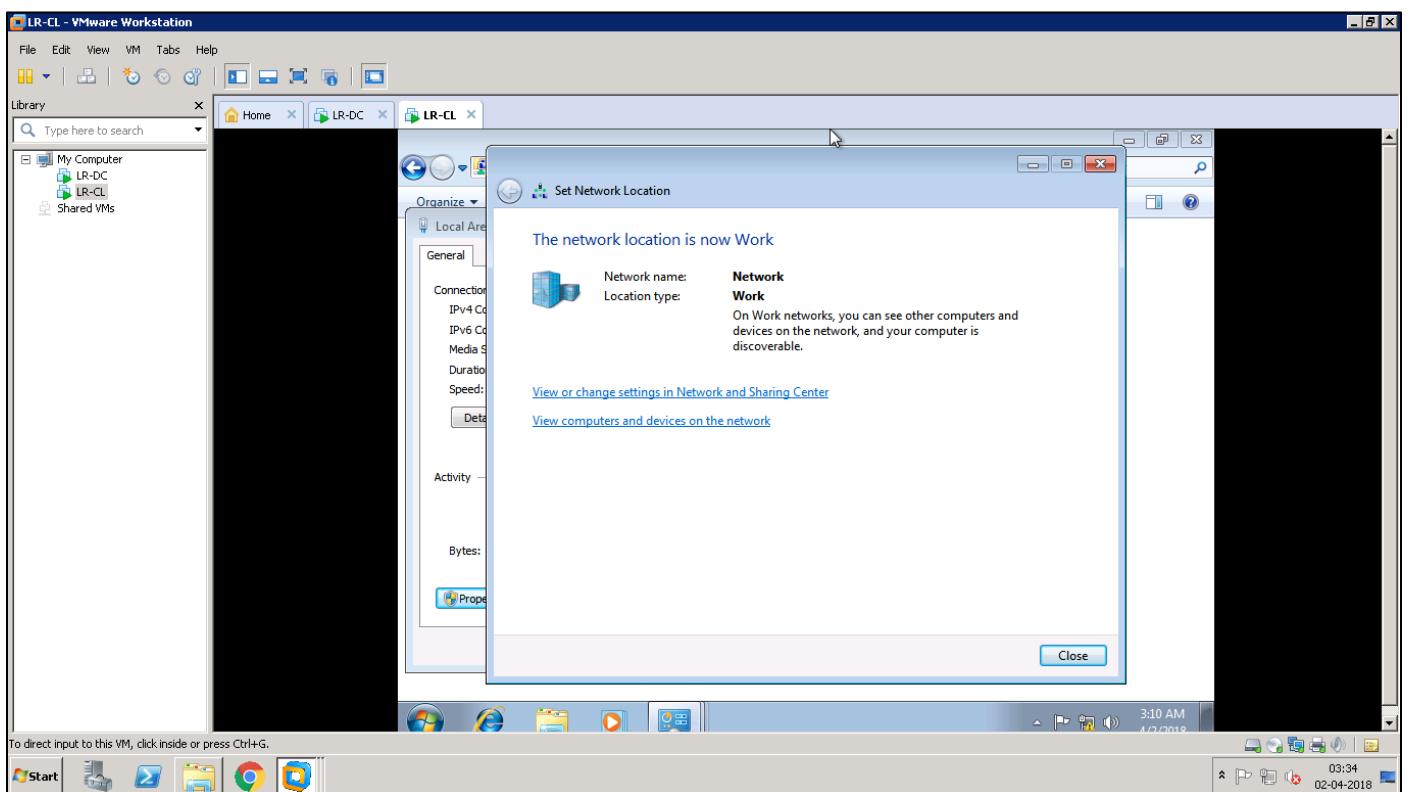
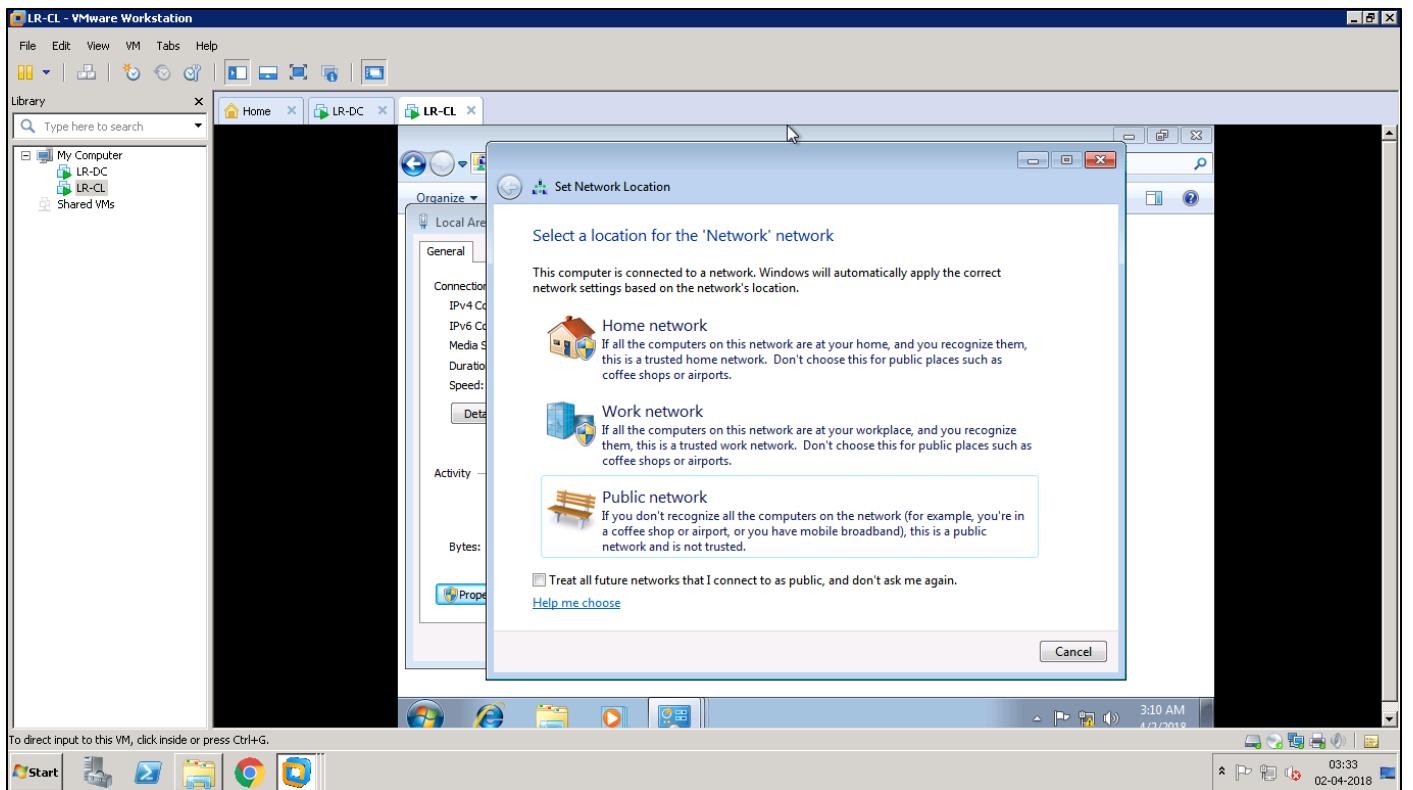


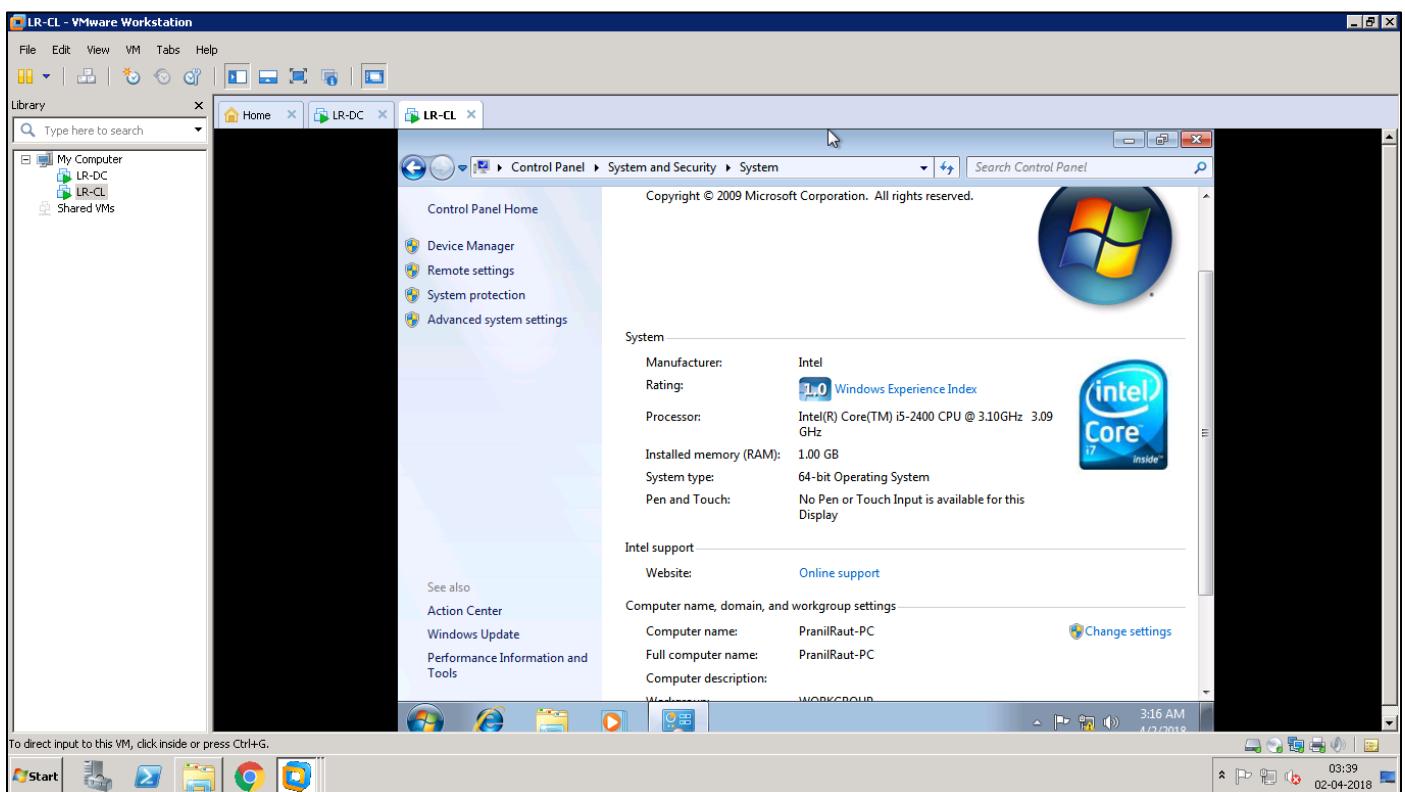
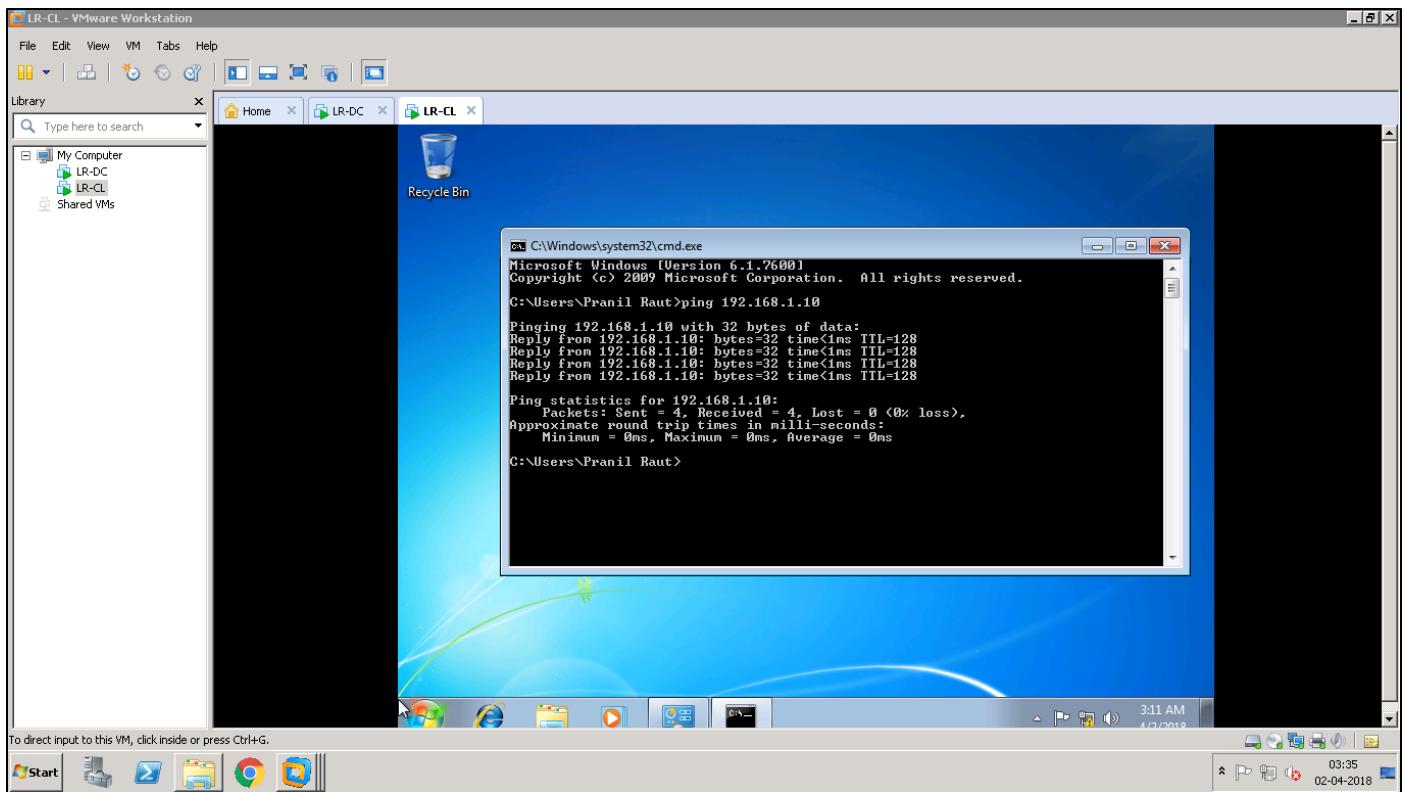
To direct input to this VM, click inside or press Ctrl+G.

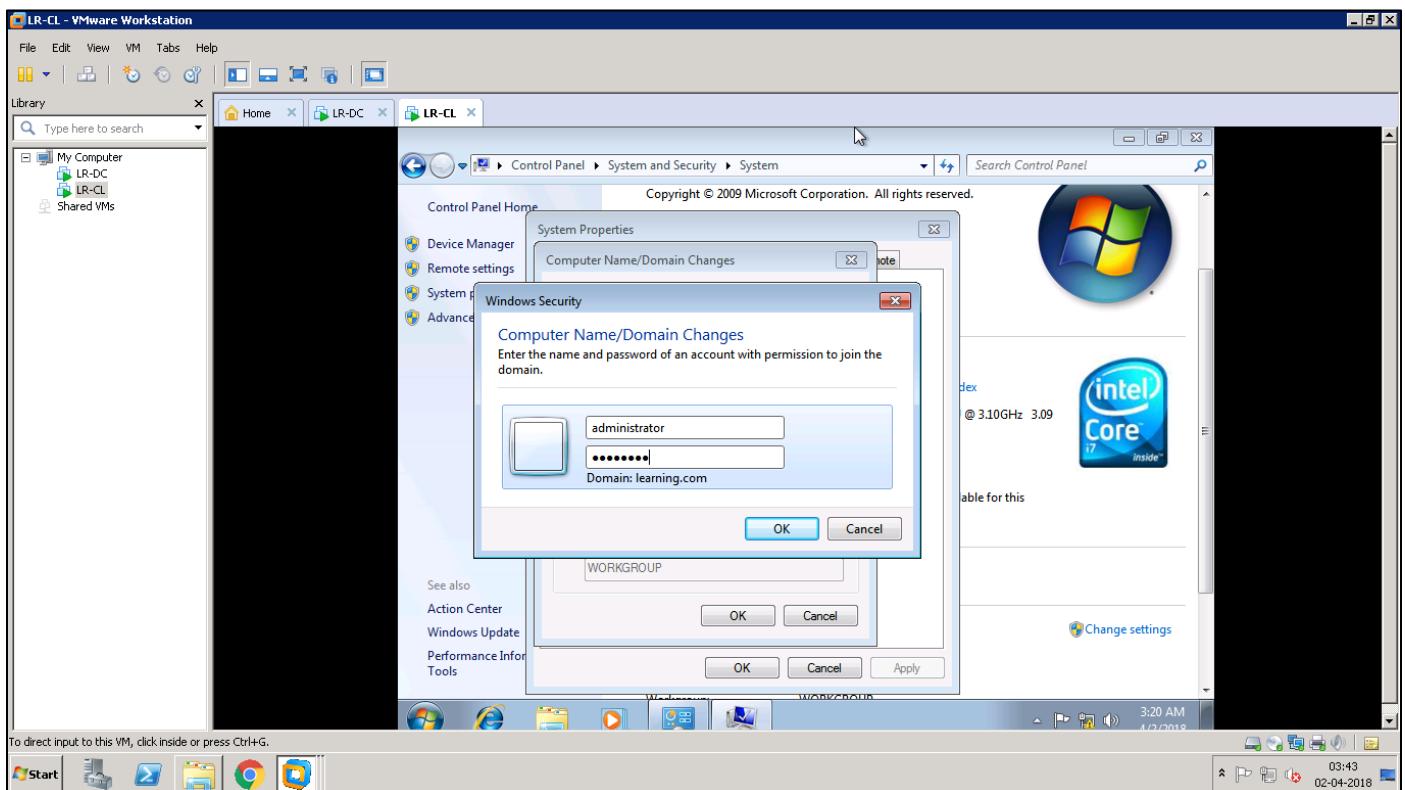
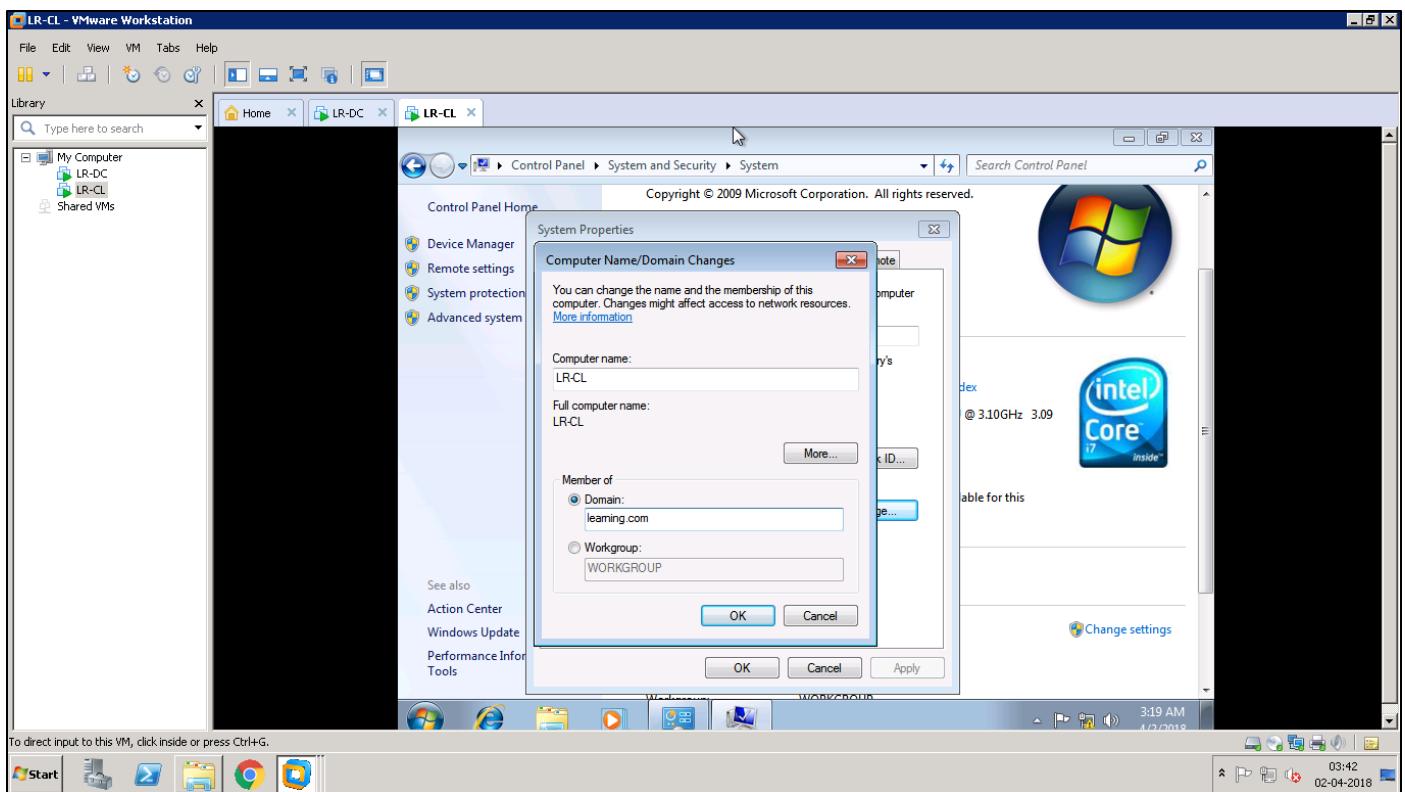


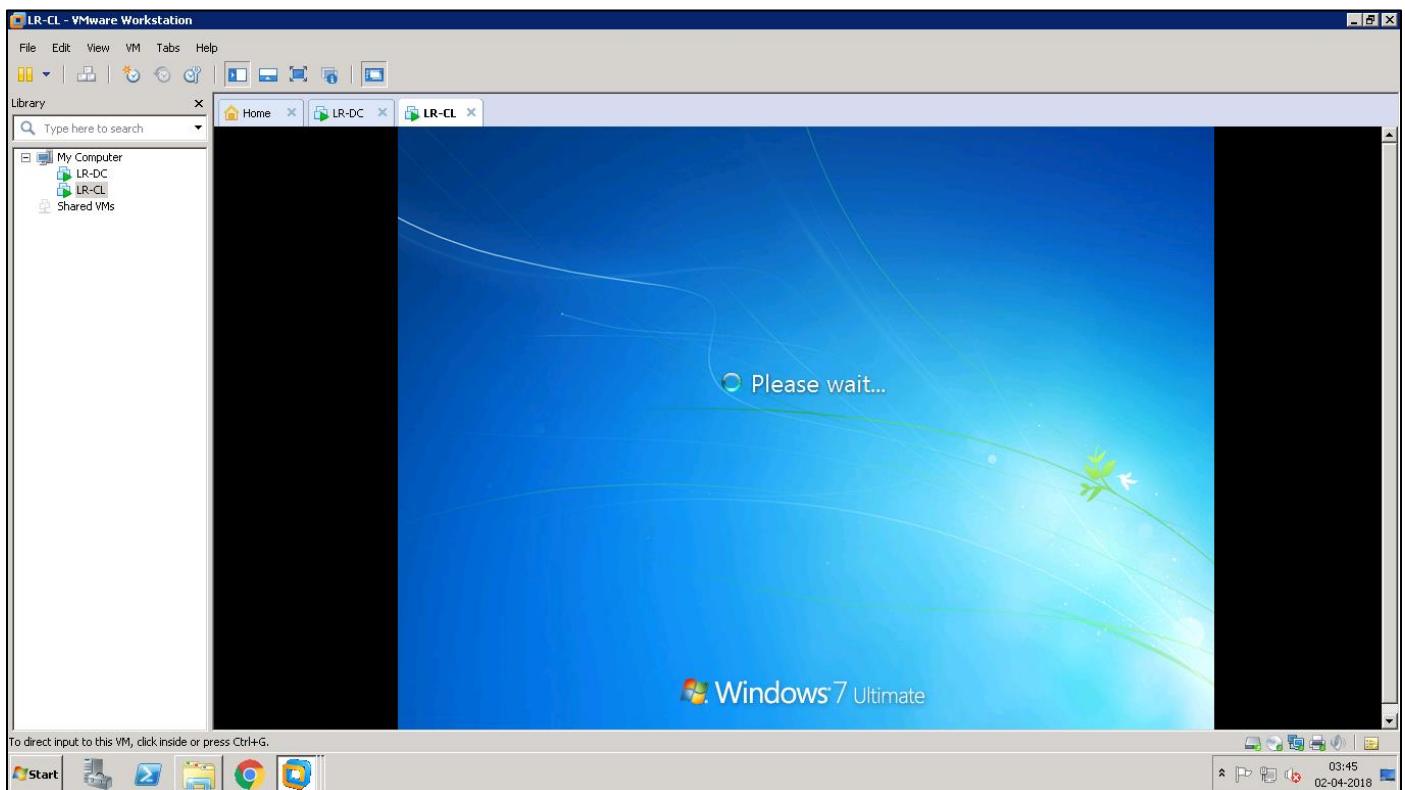
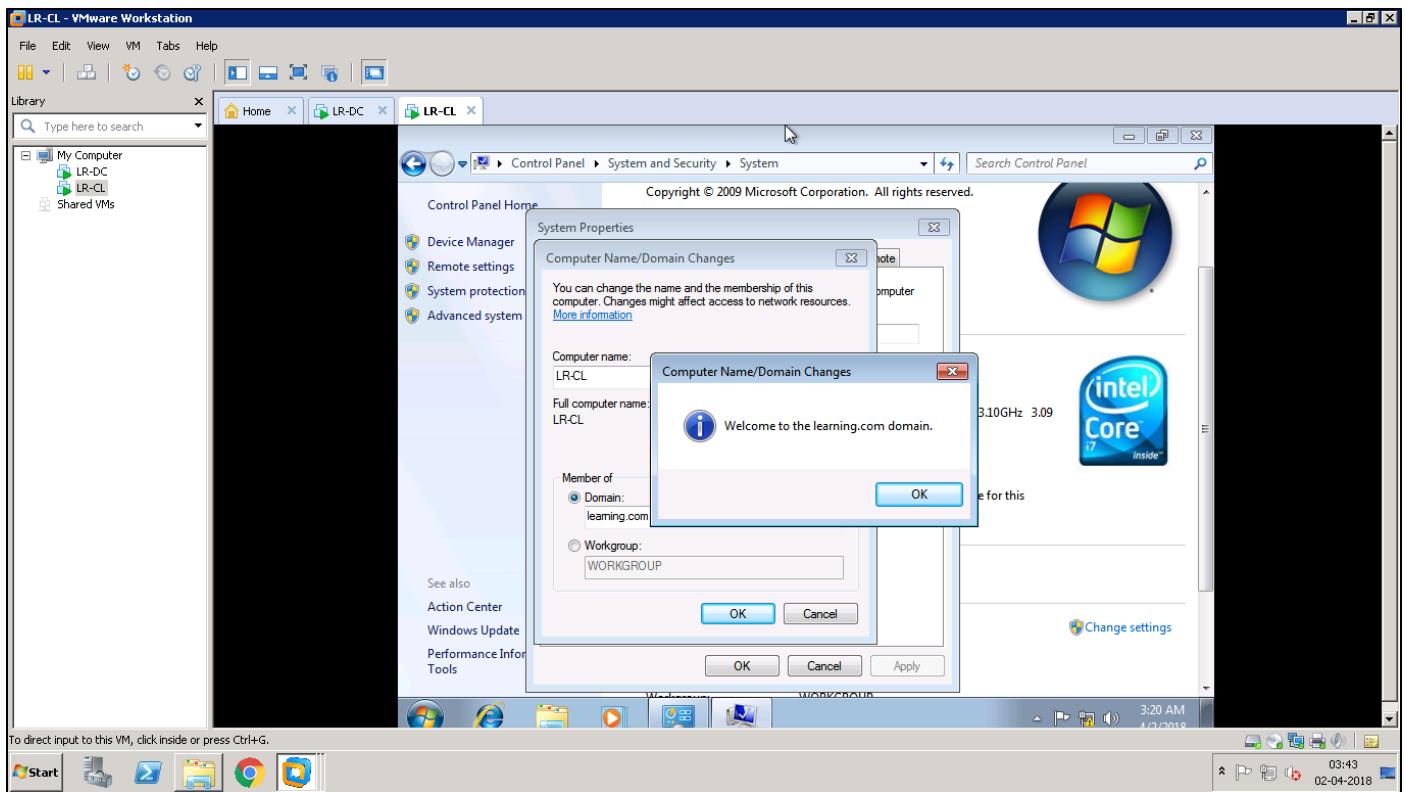
To direct input to this VM, click inside or press Ctrl+G.

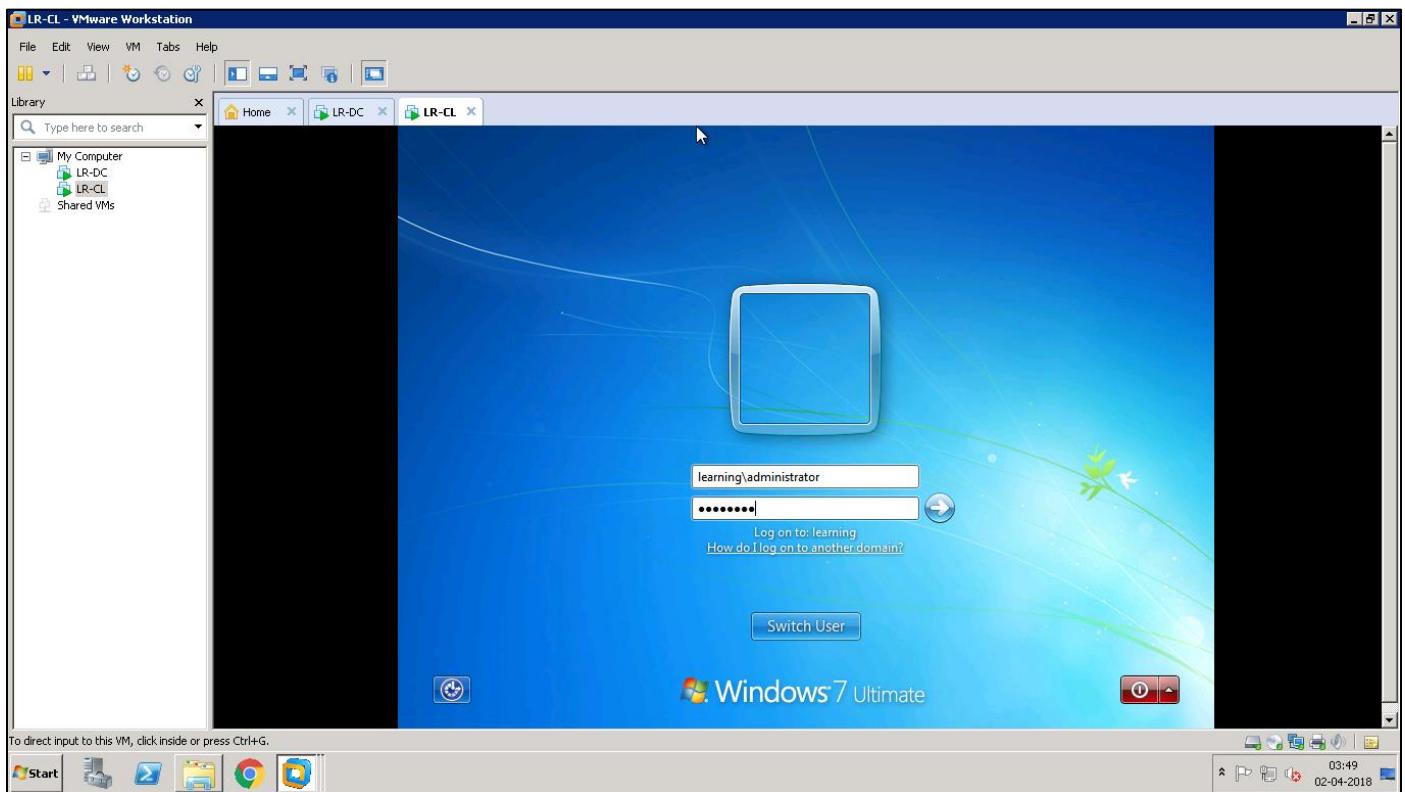




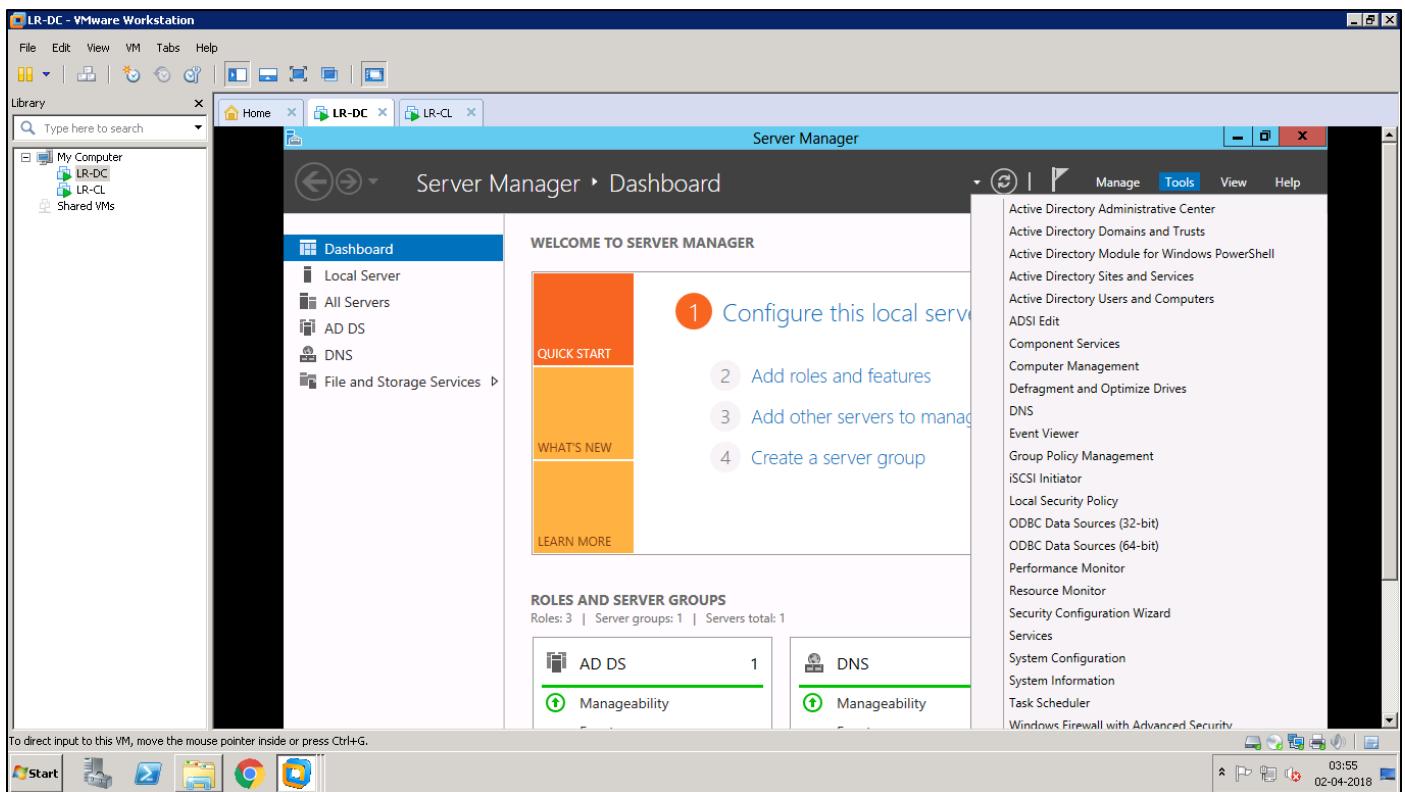


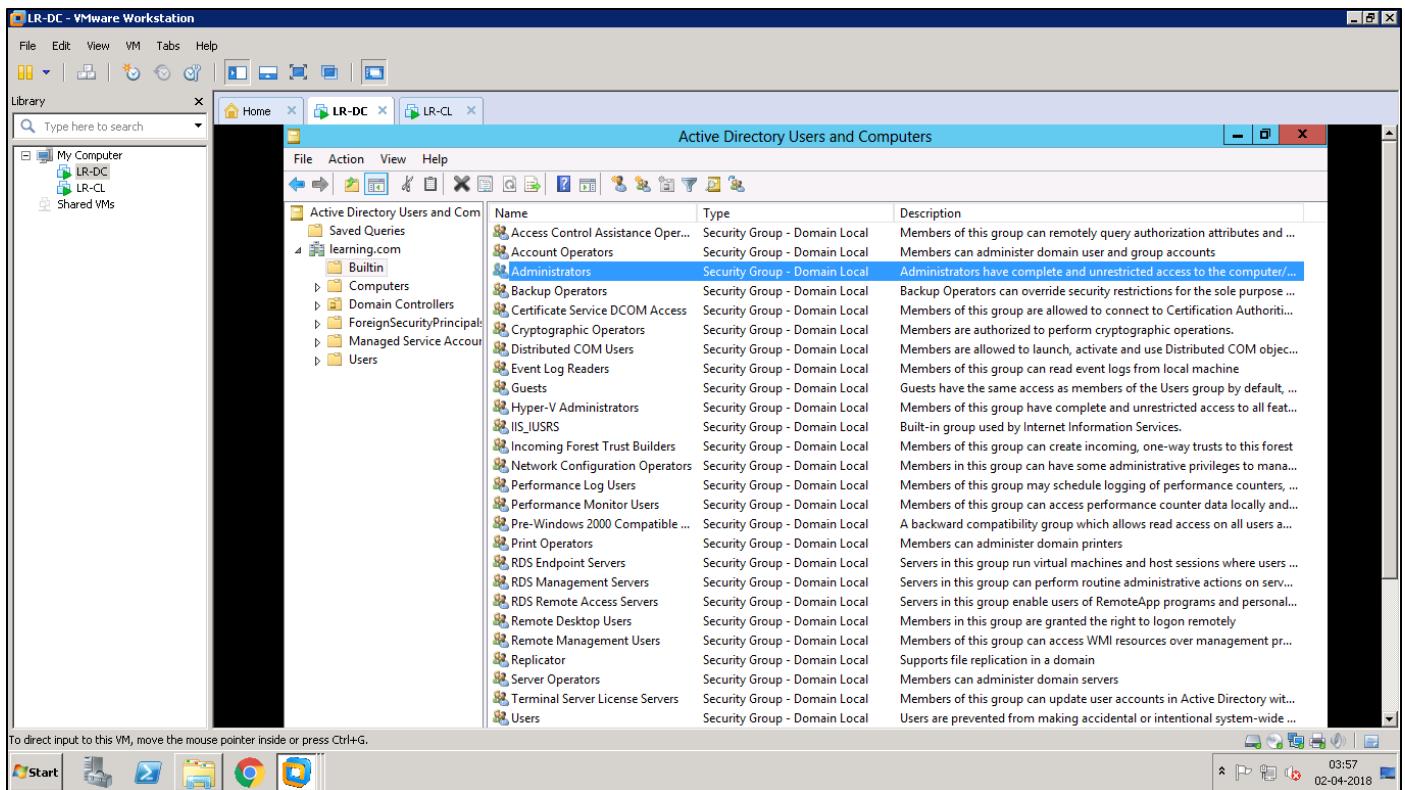




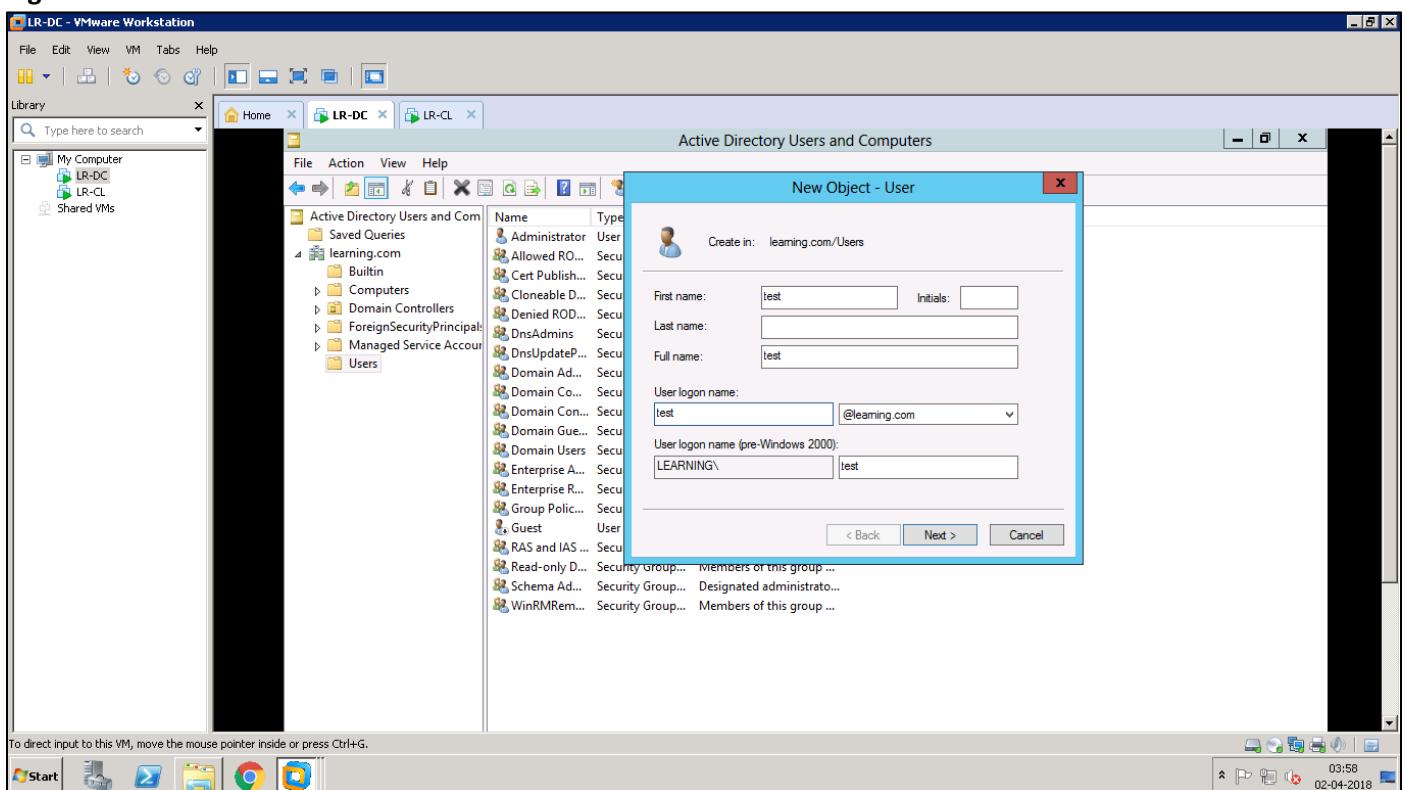


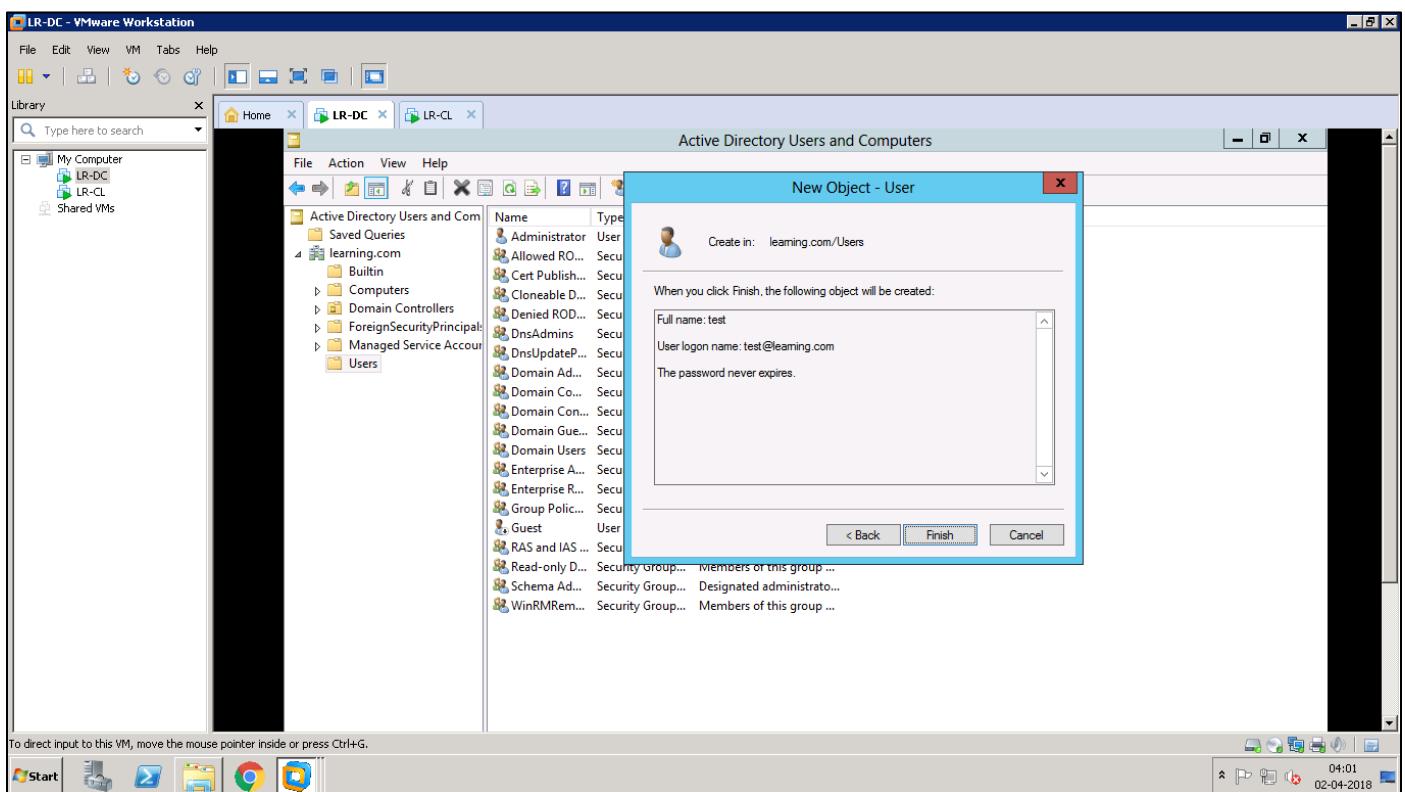
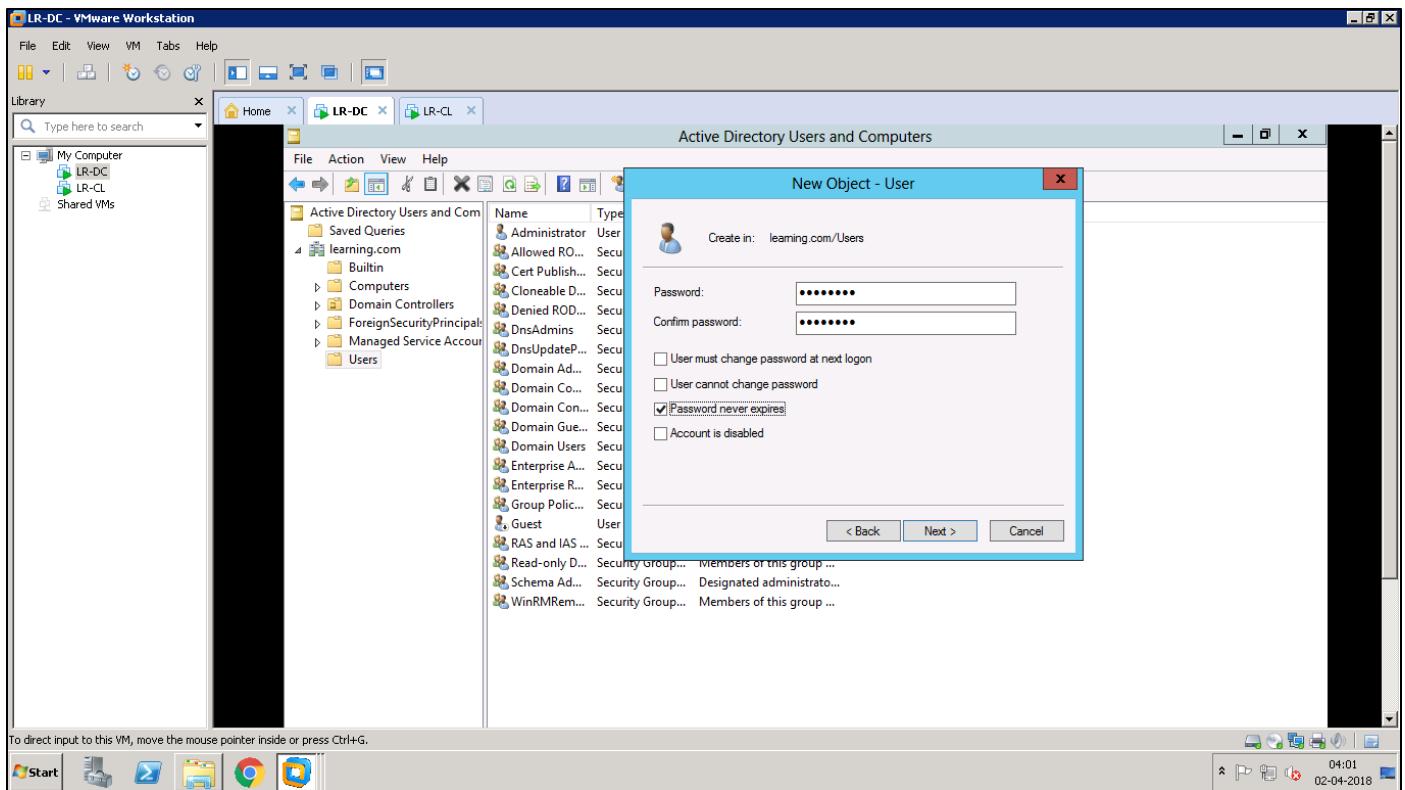
Coming back to server machine:



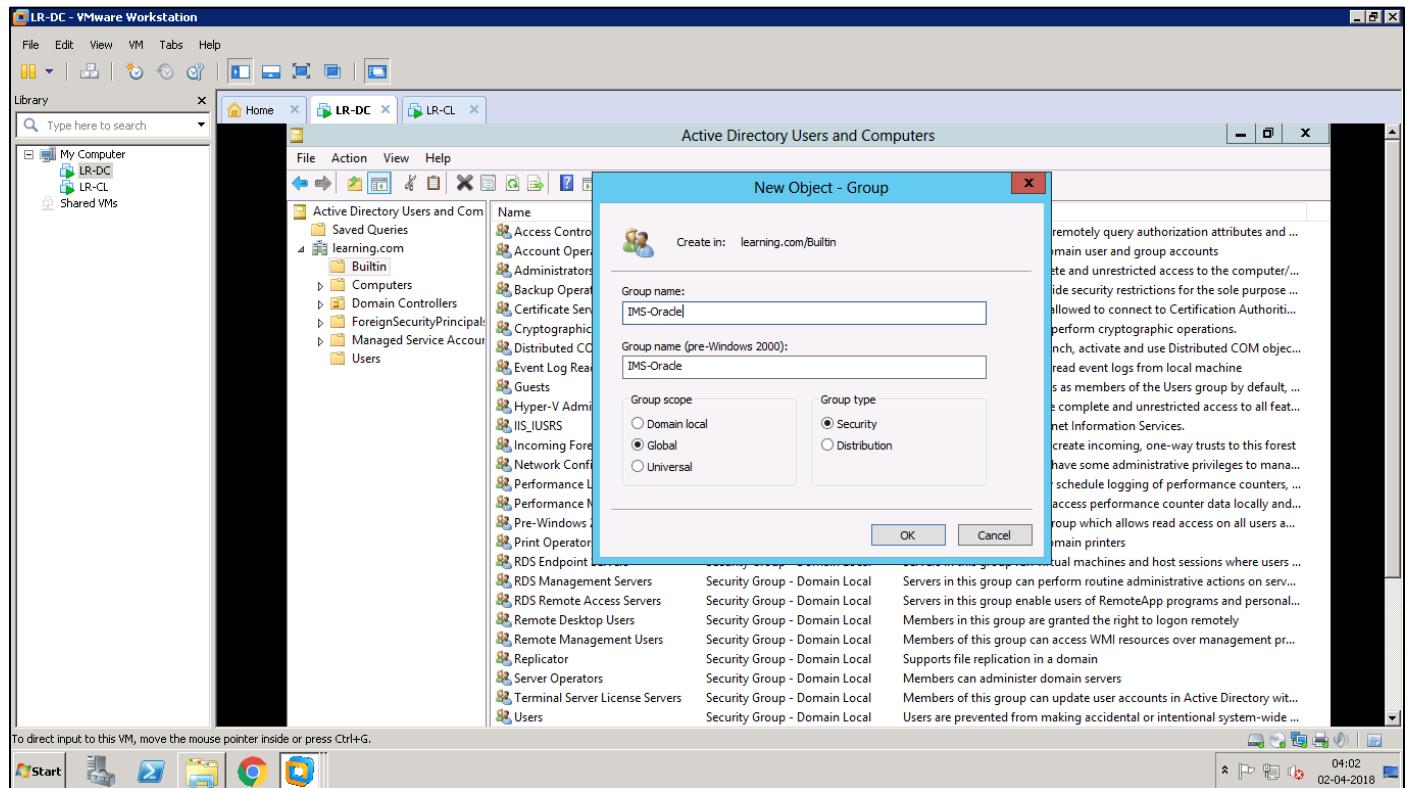


Right Click on 'User' – 'New' – 'User':

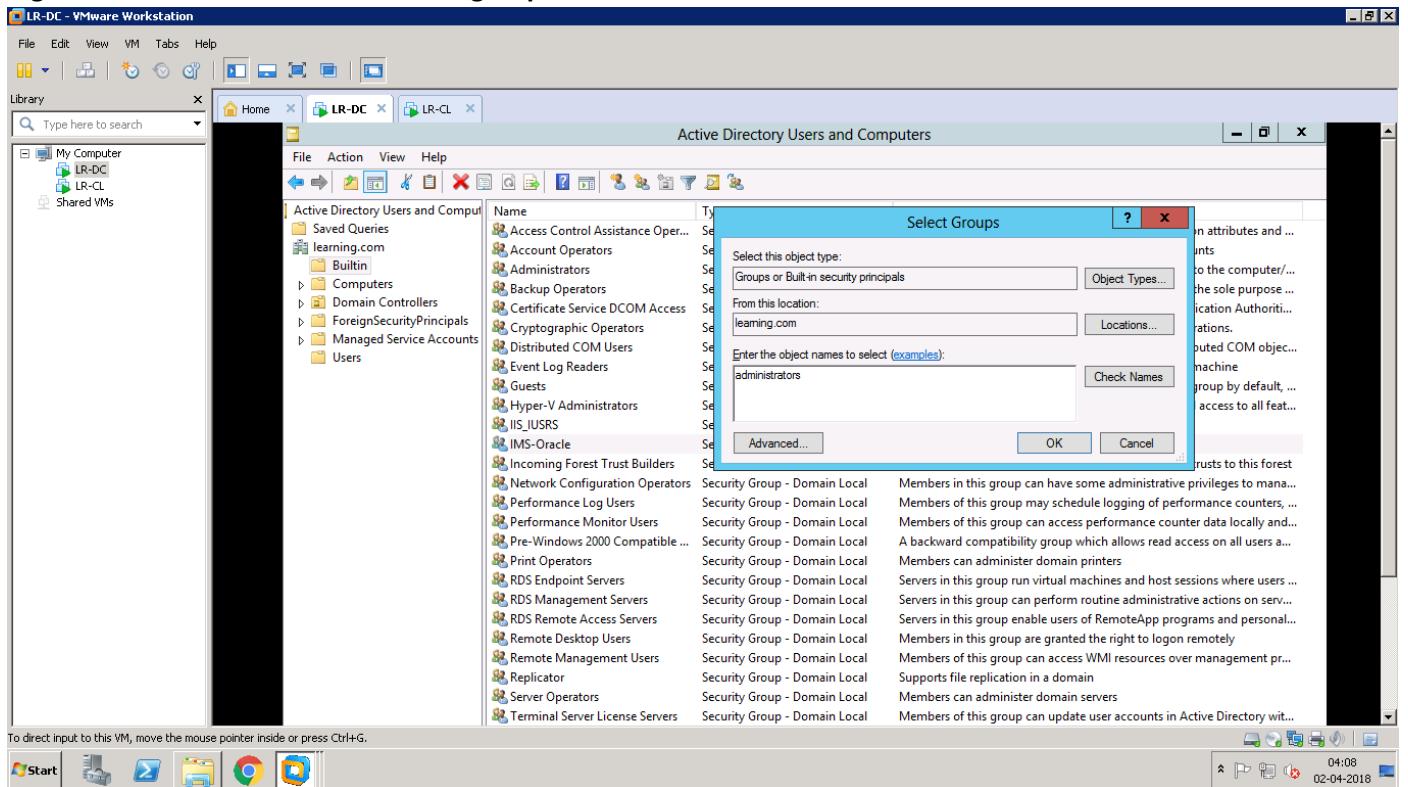




Right Click on 'built in' – 'New' – 'Group':

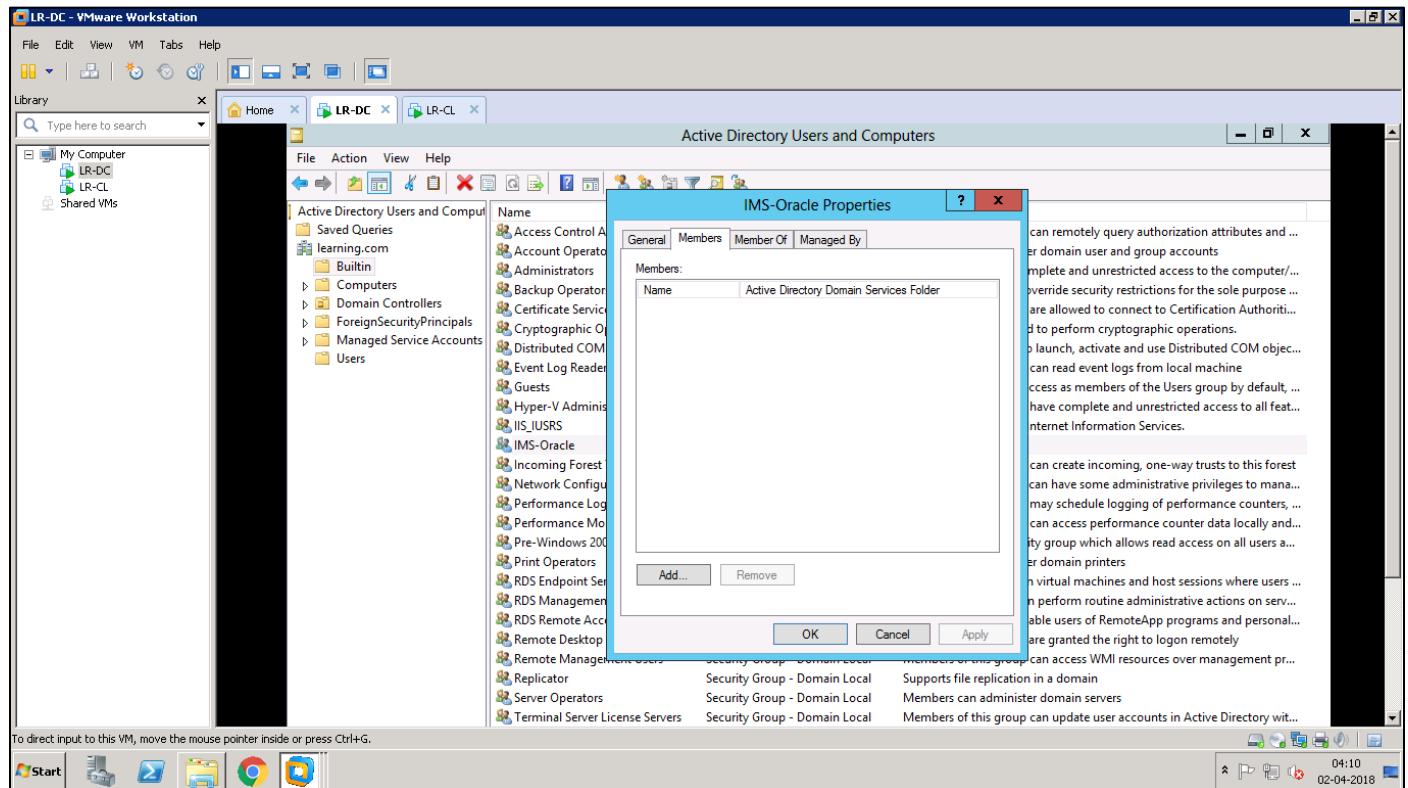


Right click on 'IMS-Oracle' – 'Add to a group':



check names – add - OK – OK

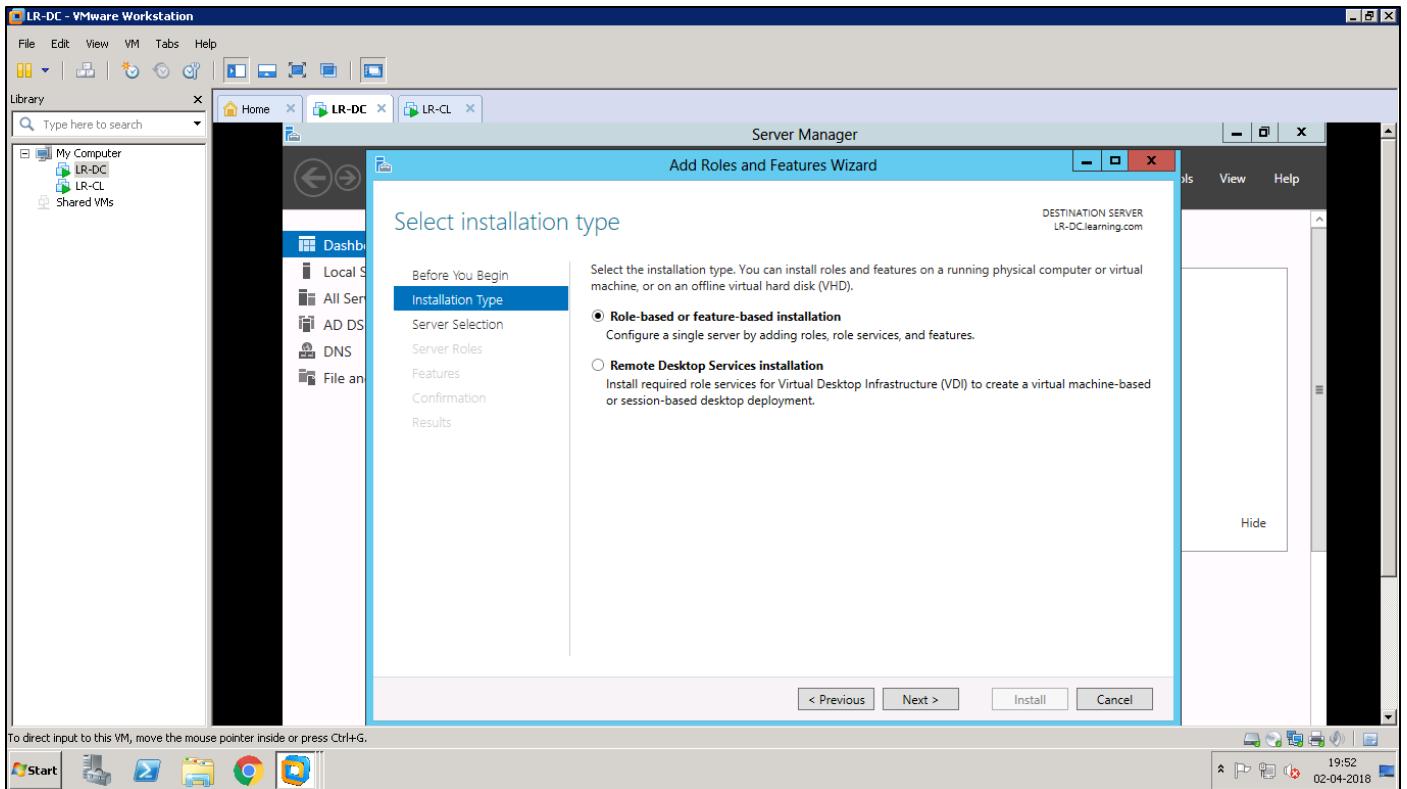
Right click on 'IMS-Oracle' – 'Properties':



Add test user to this group

Now in client machine, login as 'learning\test':

Adding WDS Server:



Server Manager

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
LR-DC.learning.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select a server or a virtual hard disk on which to install roles and features.

Select a server from the server pool

Select a virtual hard disk

Server Pool

Filter: []

Name	IP Address	Operating System
LR-DC.learning.com	192.168.1.10	Microsoft Windows Server 2012 Datacenter Evaluation

1 Computer(s) found

This page shows servers that are running Windows Server 2012, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

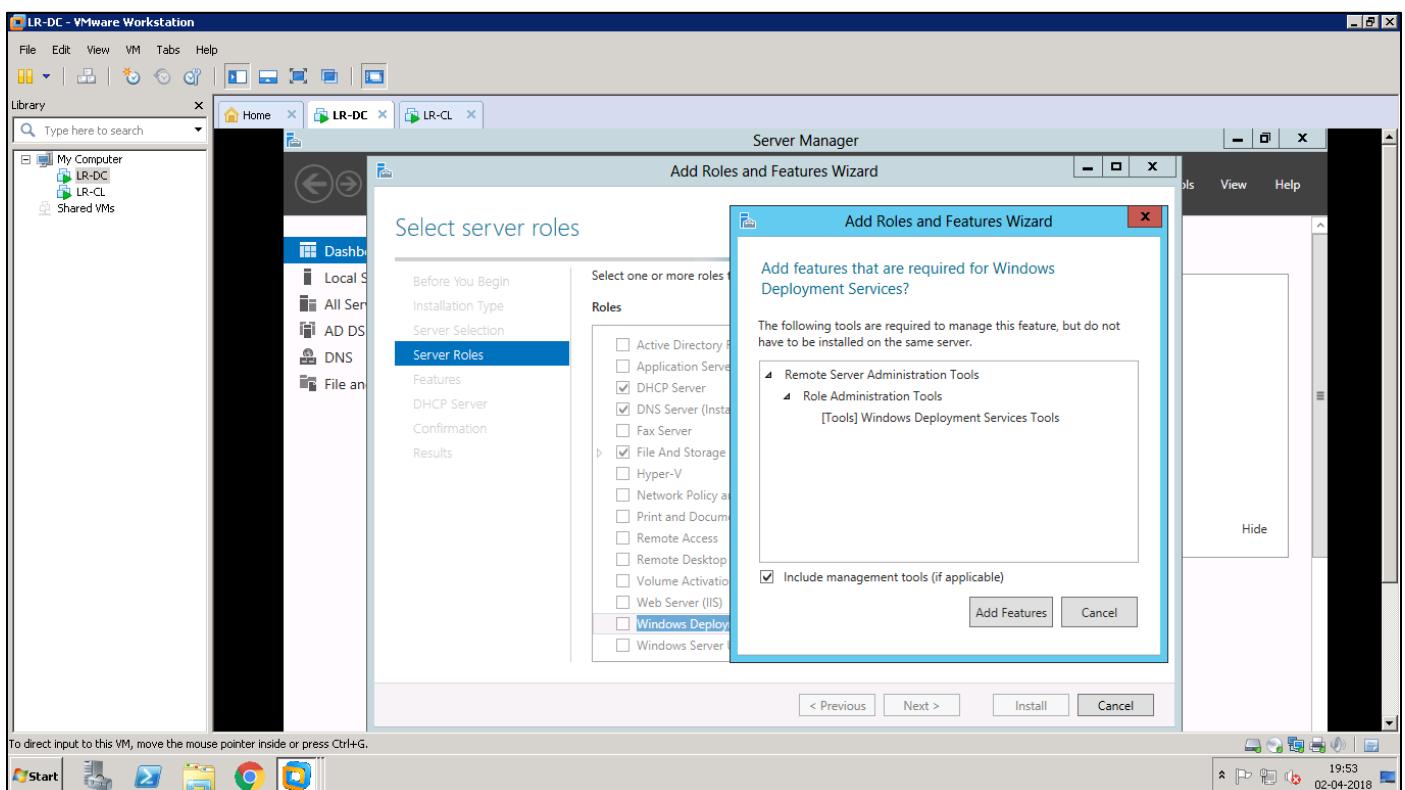
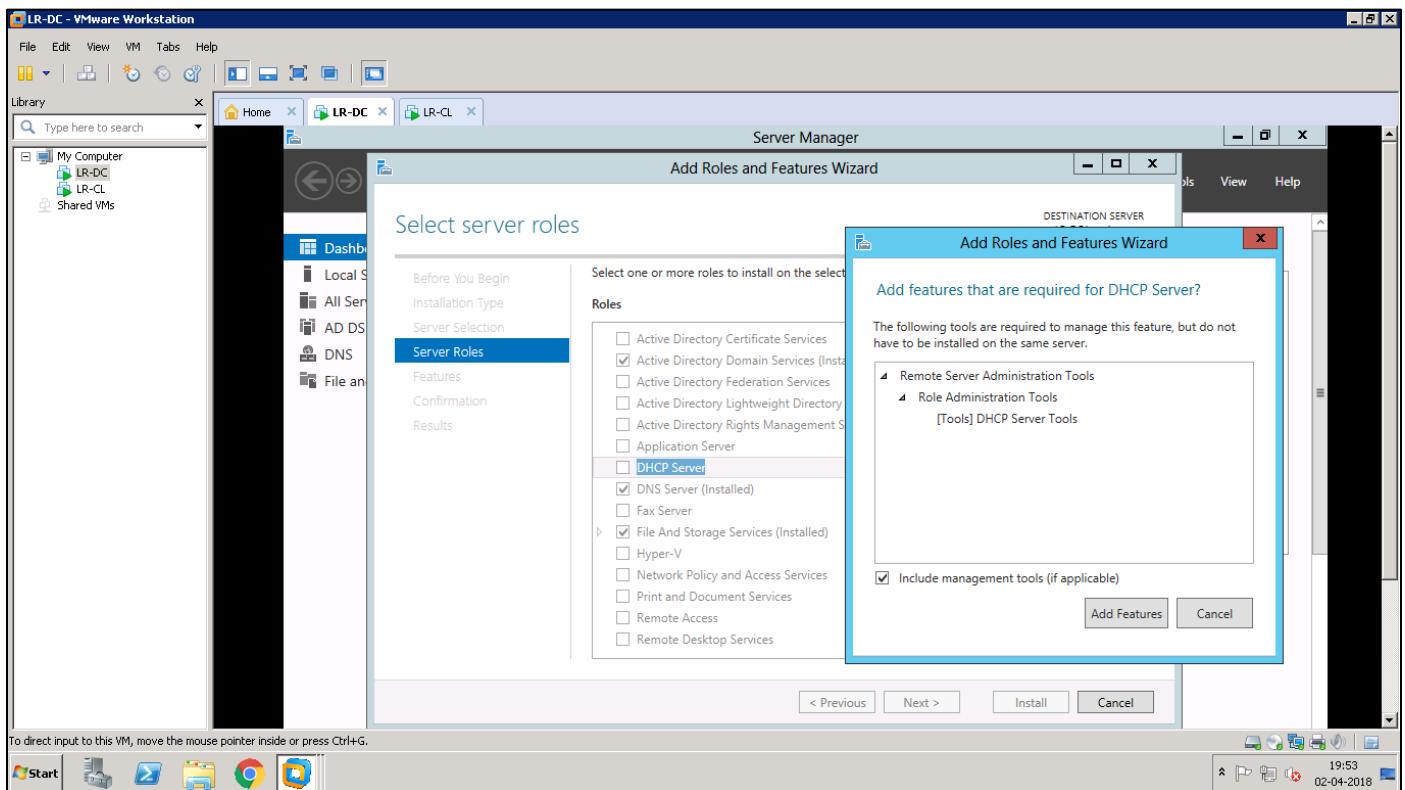
< Previous Next > Install Cancel

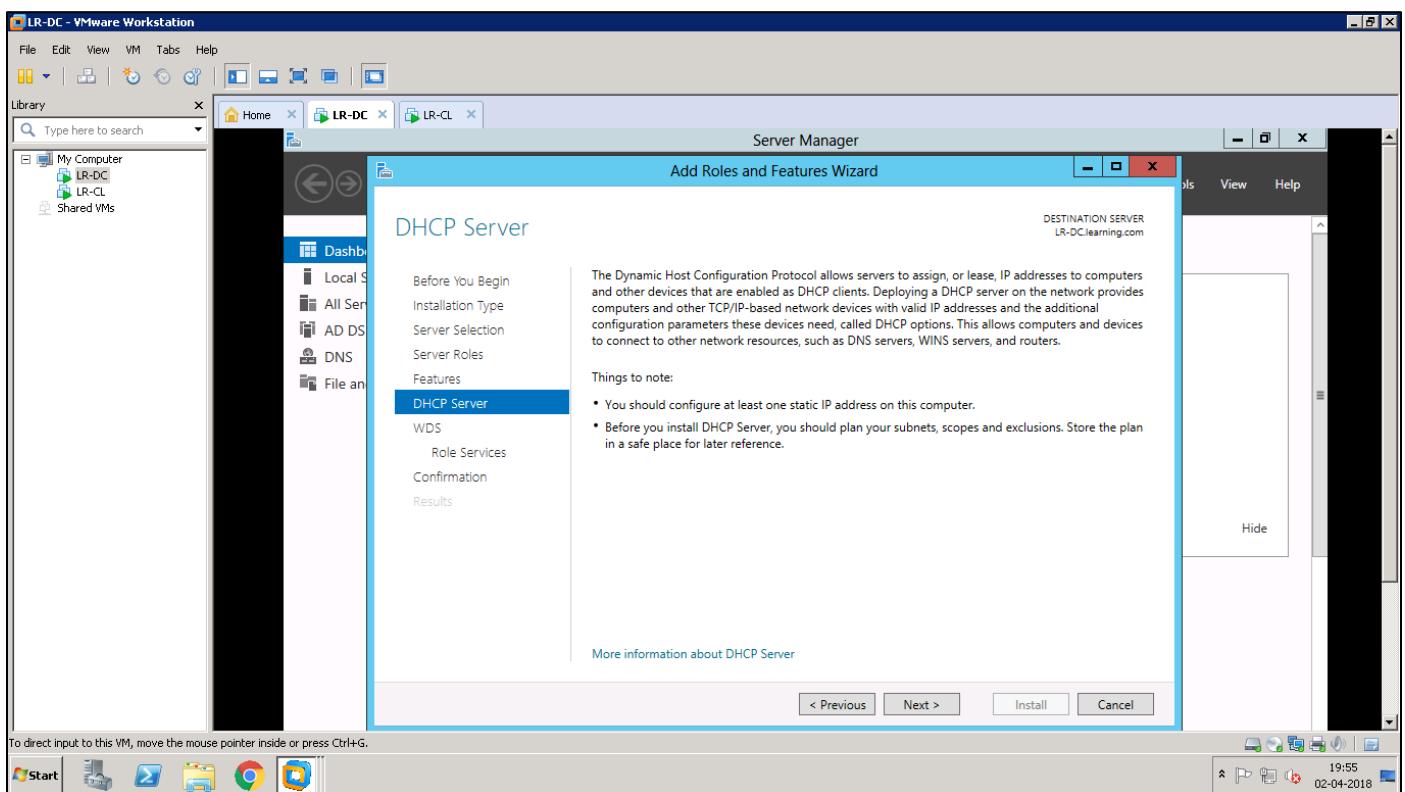
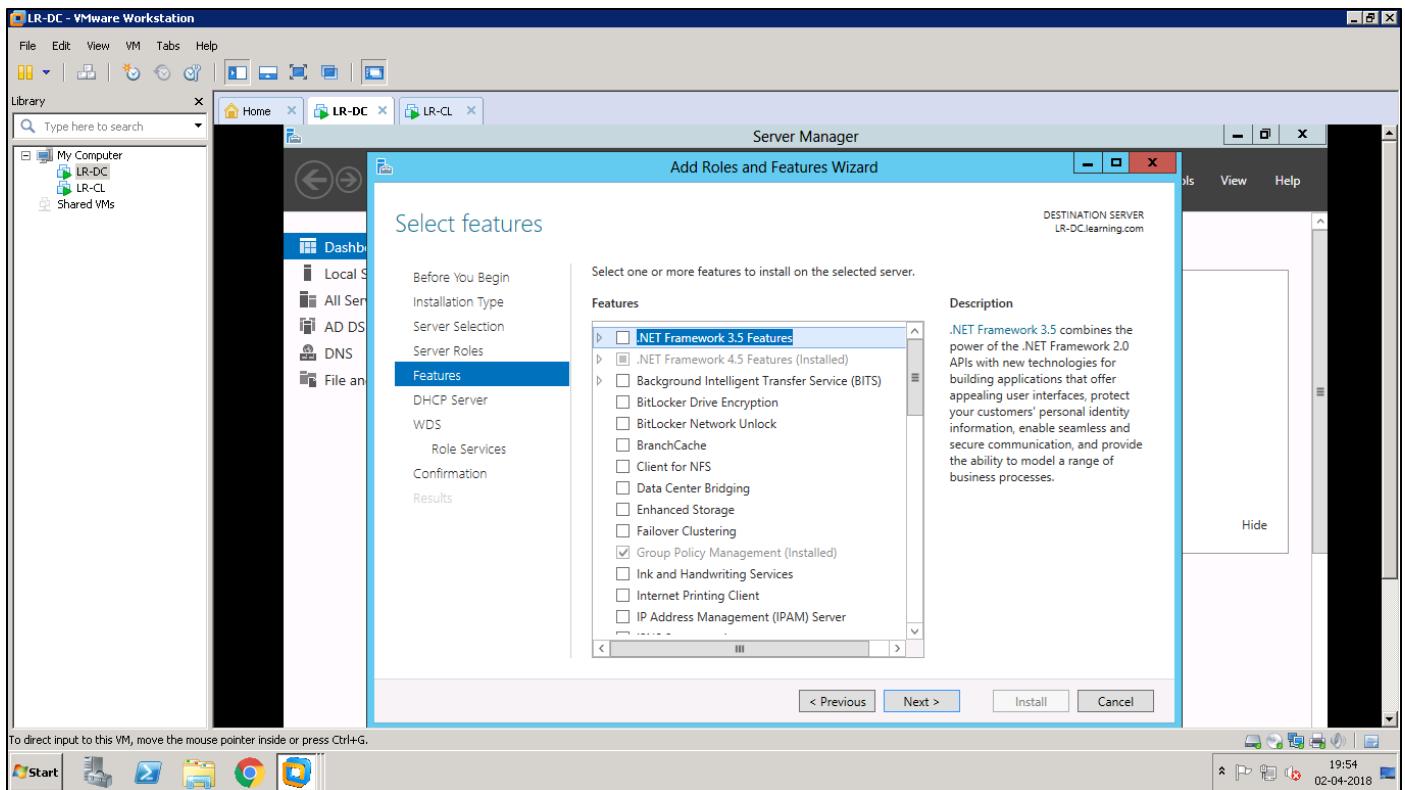
Events Services Performance BPA results

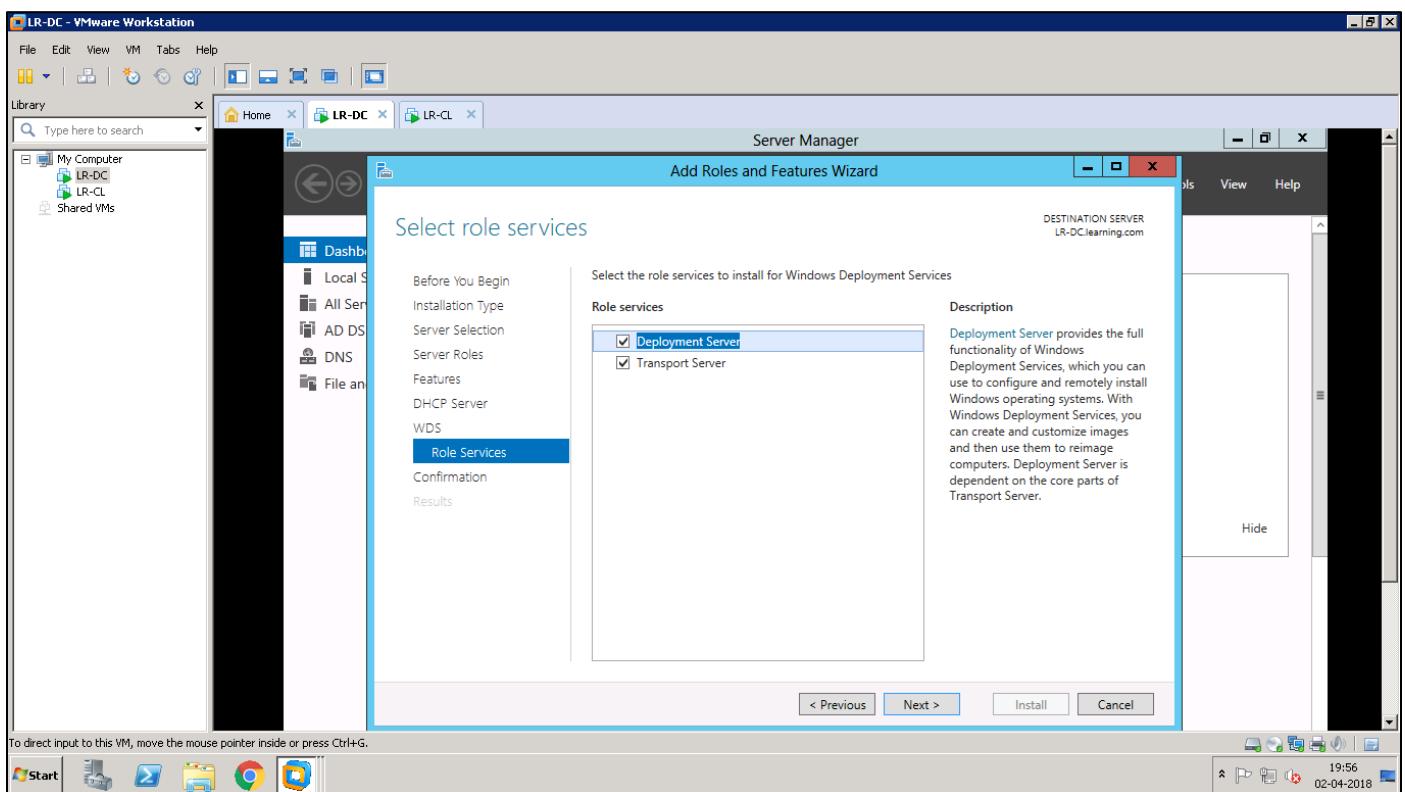
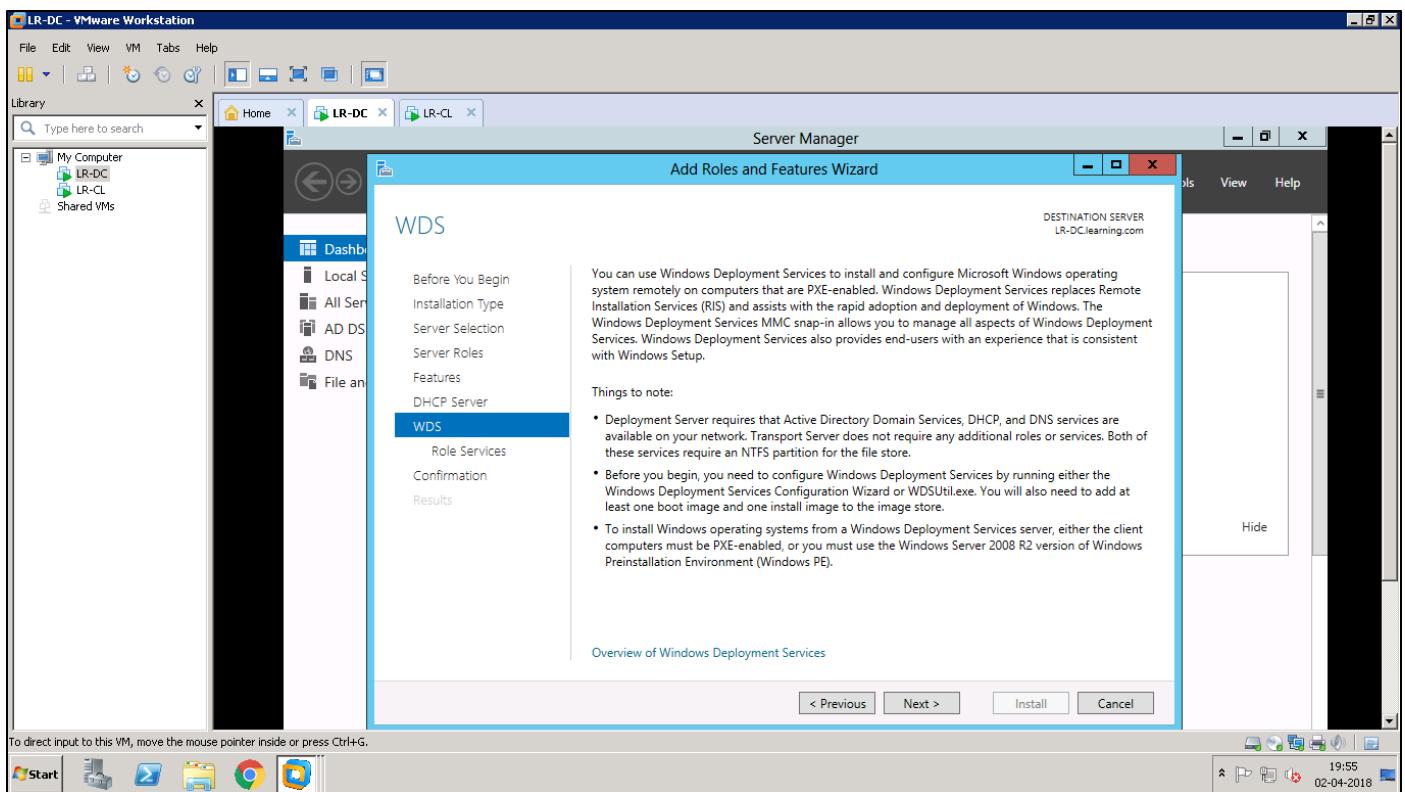
Events Services Performance BPA results

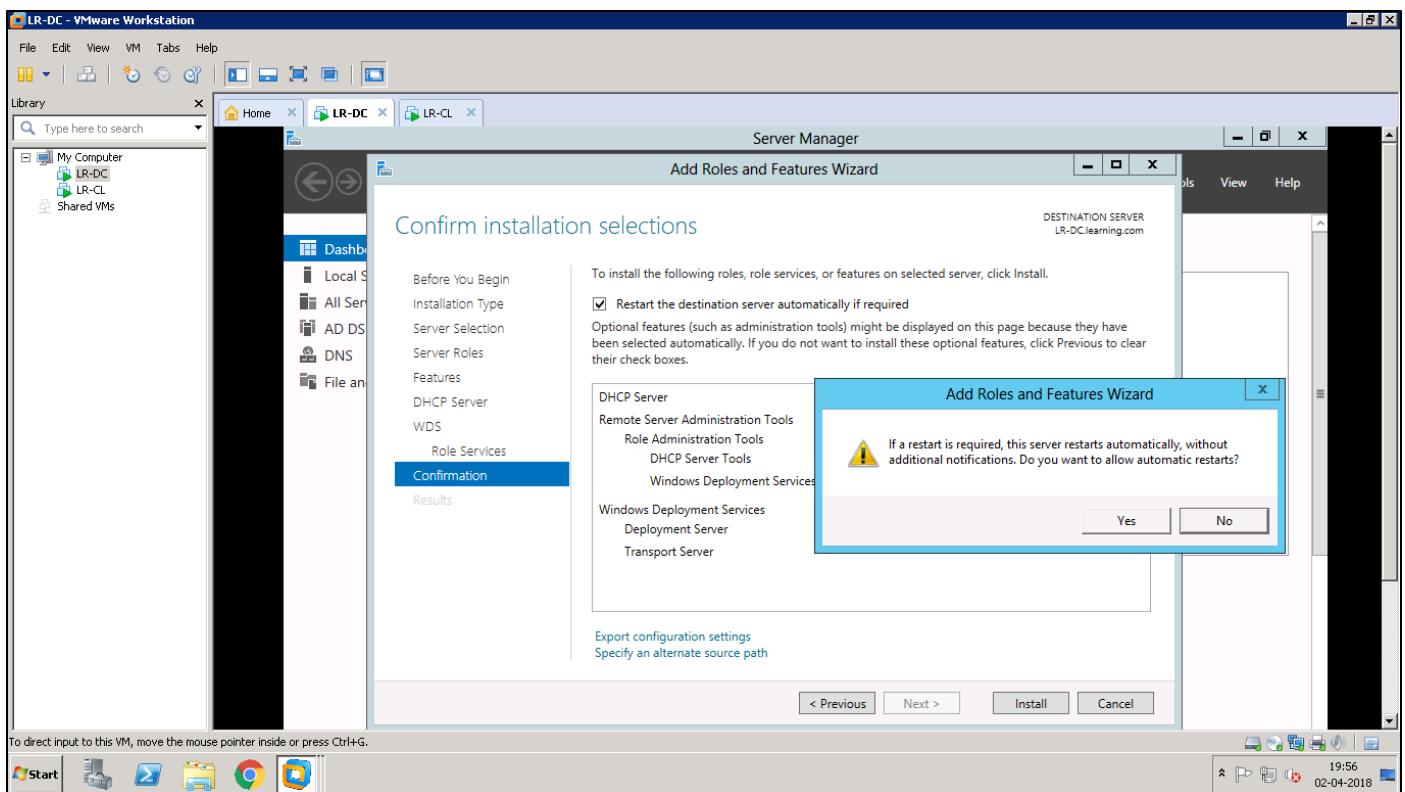
7:52 PM
4/2/2018

The screenshot shows the 'Select destination server' step of the 'Add Roles and Features Wizard'. On the left, there's a navigation pane with links like 'Dashboard', 'Local Servers', 'All Servers', 'AD DS', 'DNS', and 'File and Storage Services'. The main area has a title 'Select destination server' and a sub-instruction 'Select a server or a virtual hard disk on which to install roles and features.' Below this is a radio button group where 'Select a server from the server pool' is selected. A 'Server Pool' section contains a table with one row: 'Name' (LR-DC.learning.com), 'IP Address' (192.168.1.10), and 'Operating System' (Microsoft Windows Server 2012 Datacenter Evaluation). A note below says '1 Computer(s) found'. At the bottom are buttons for '< Previous' and 'Next >', and a large 'Install' button.

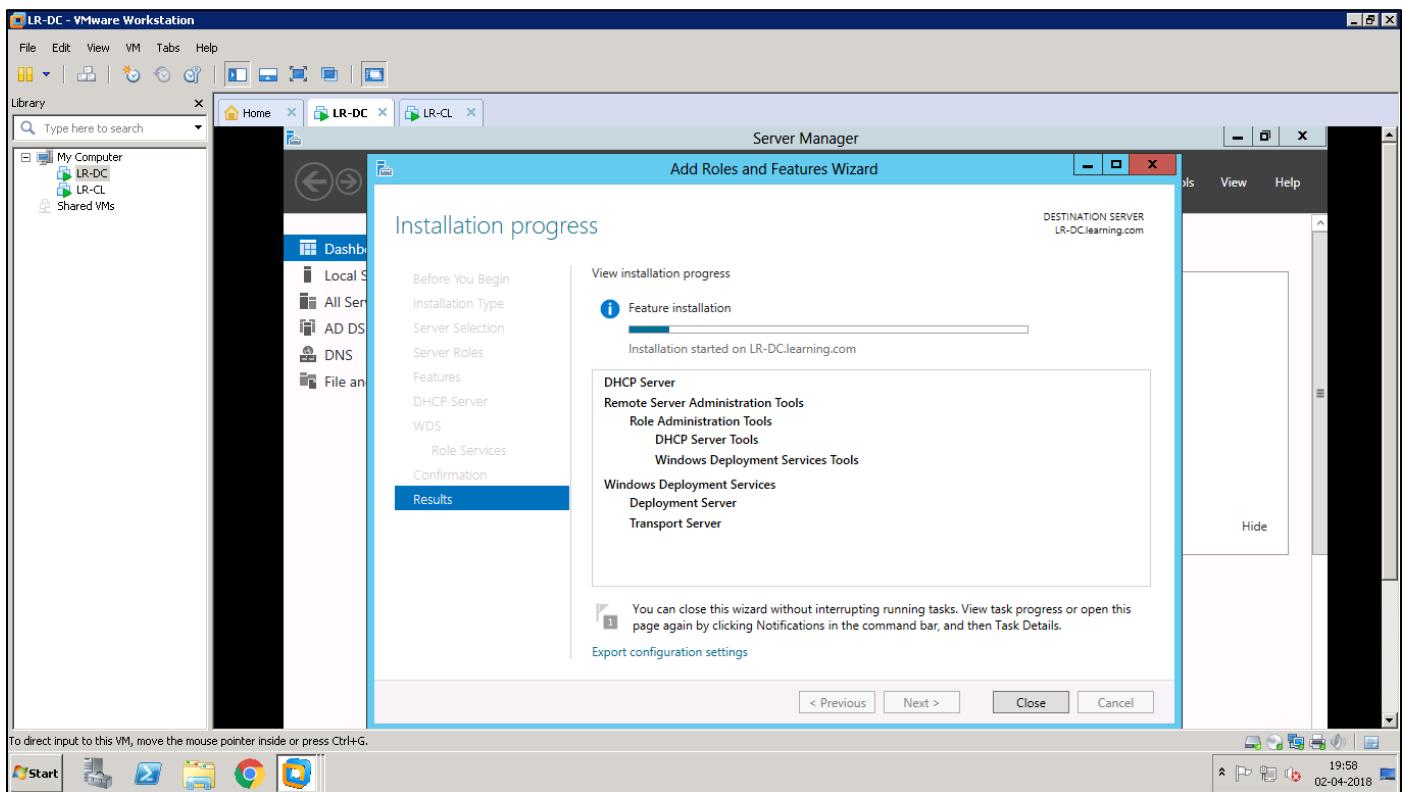


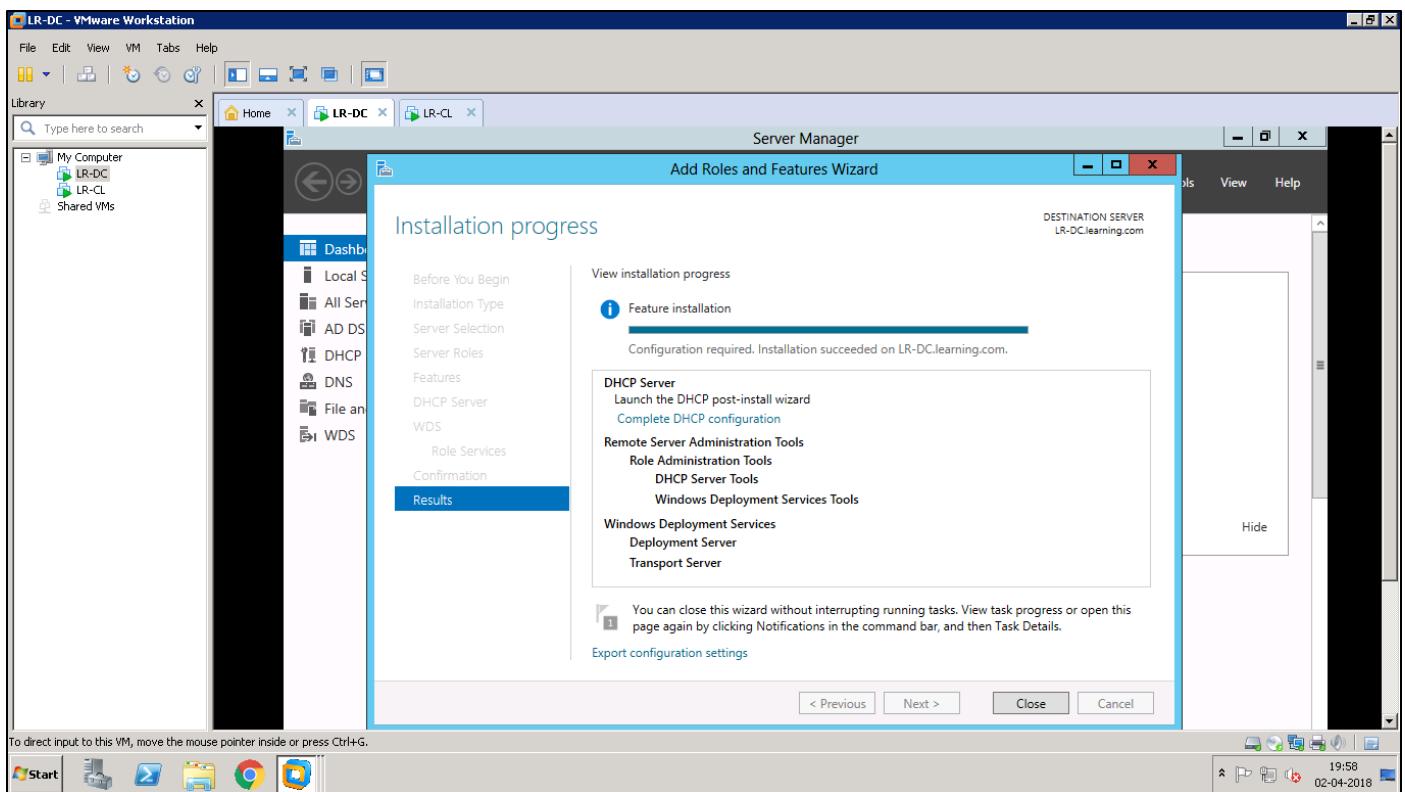




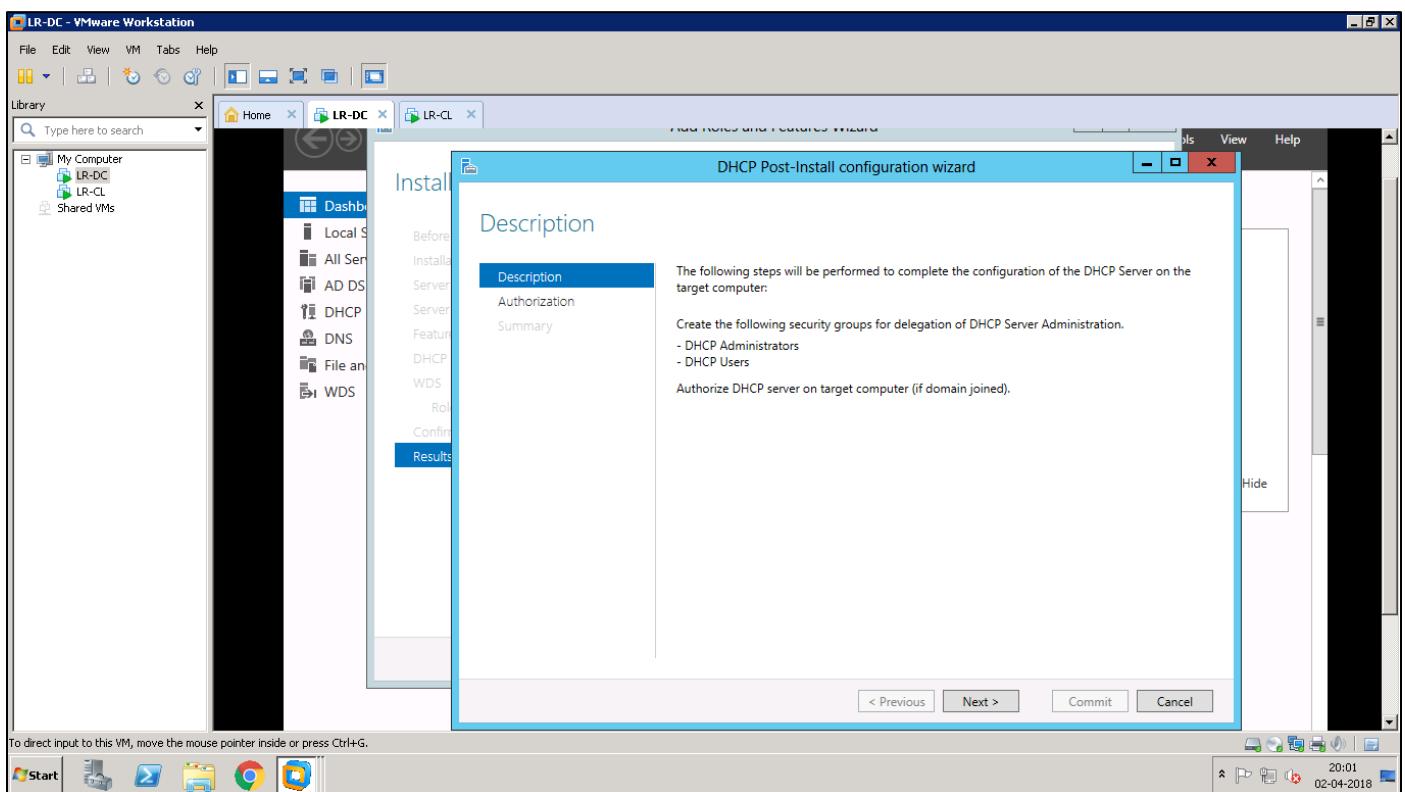


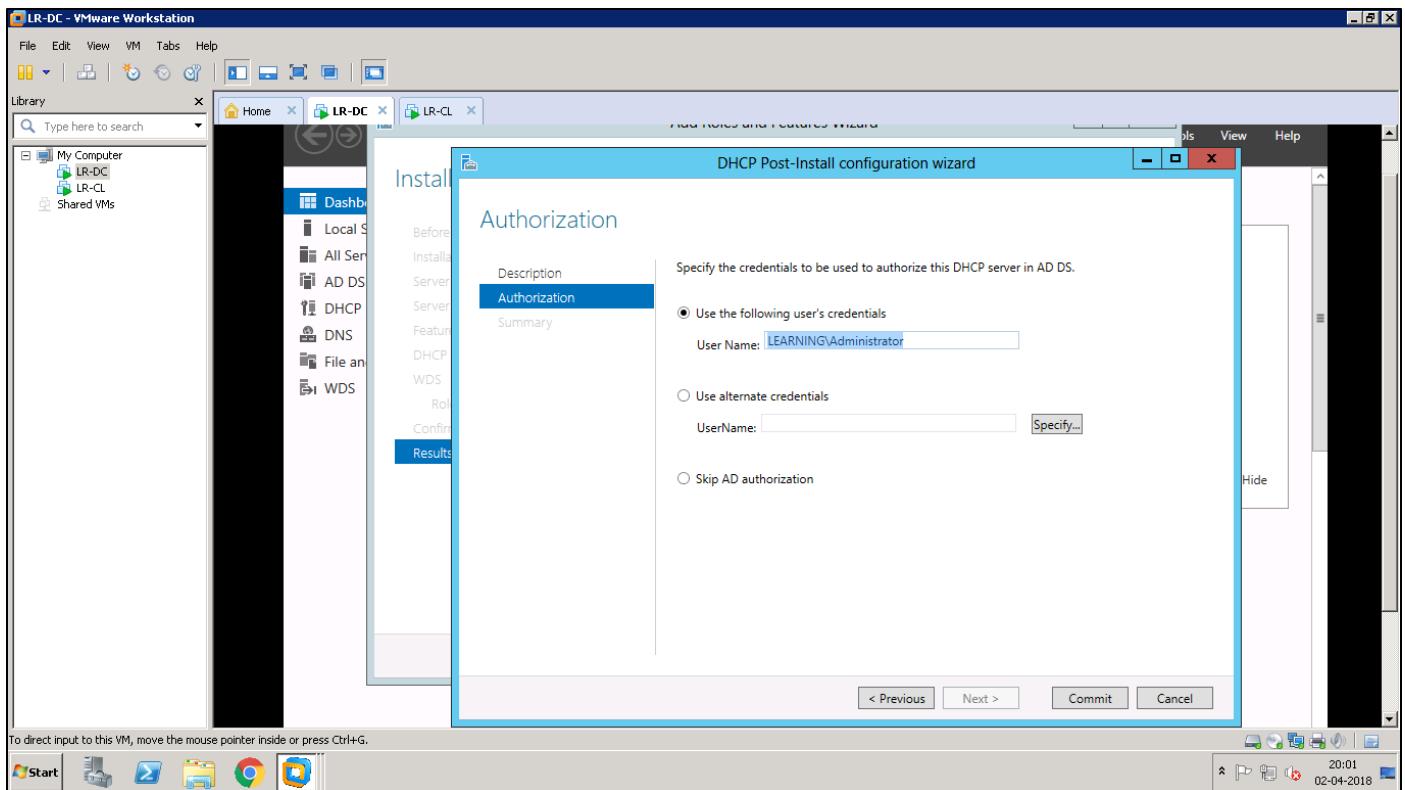
Click 'YES'



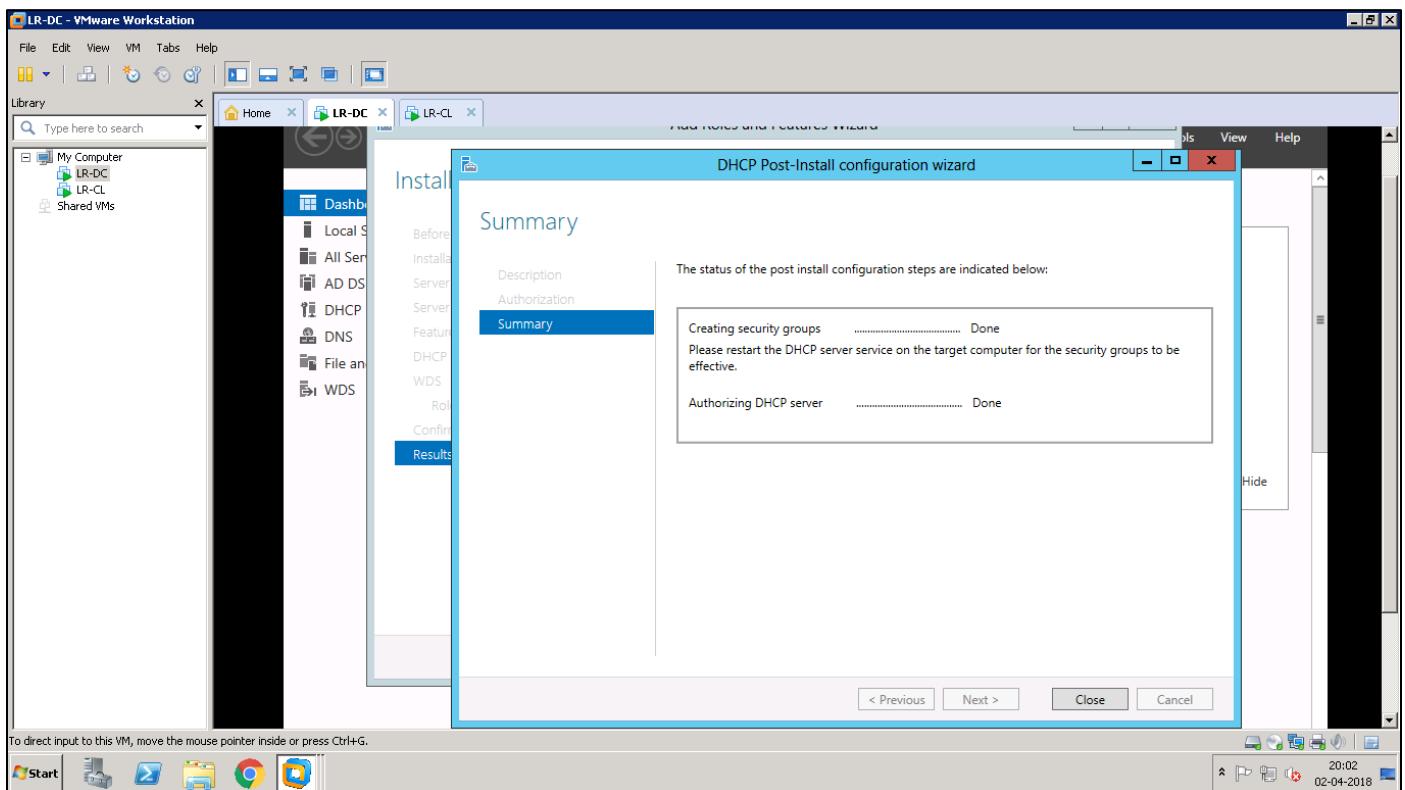


Click 'Complete DHCP Configuration':

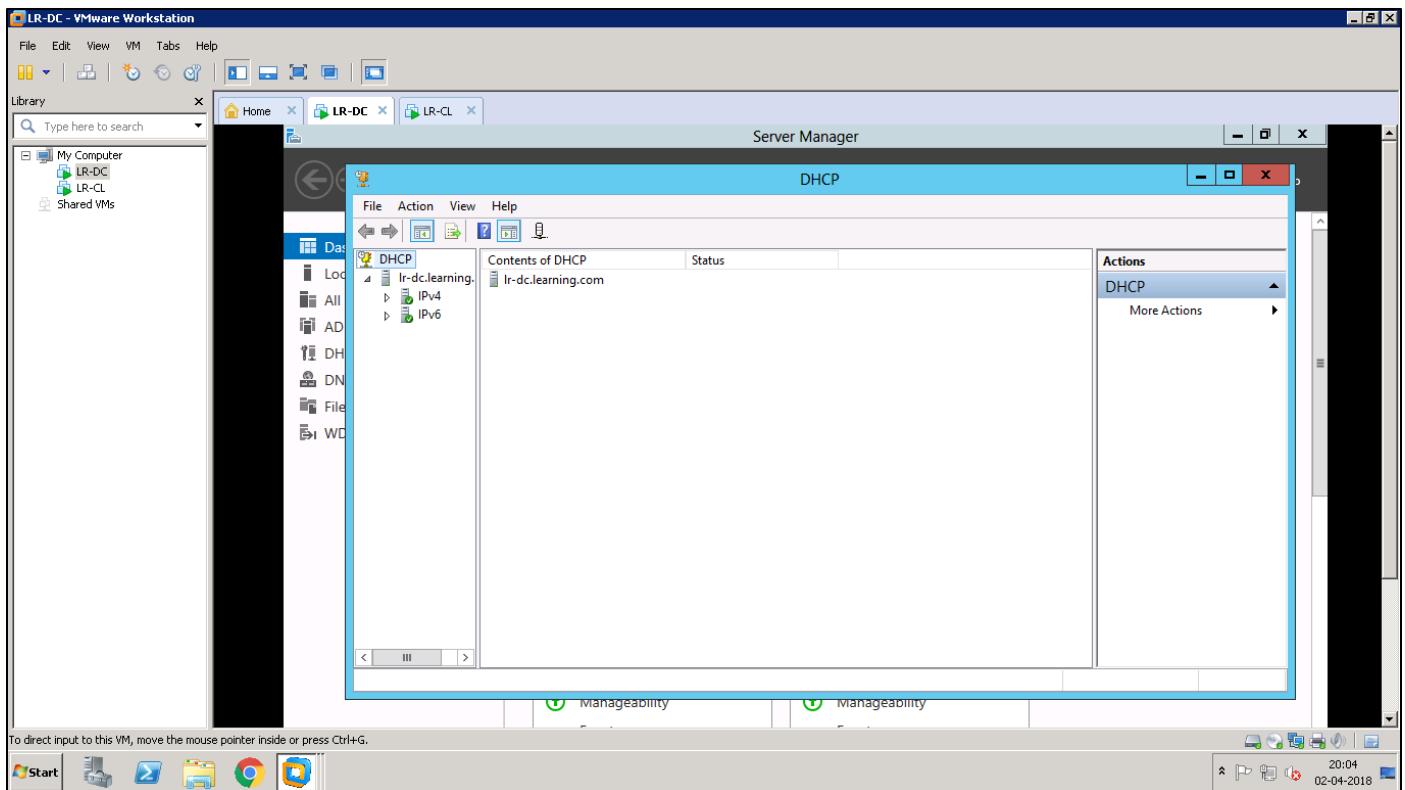




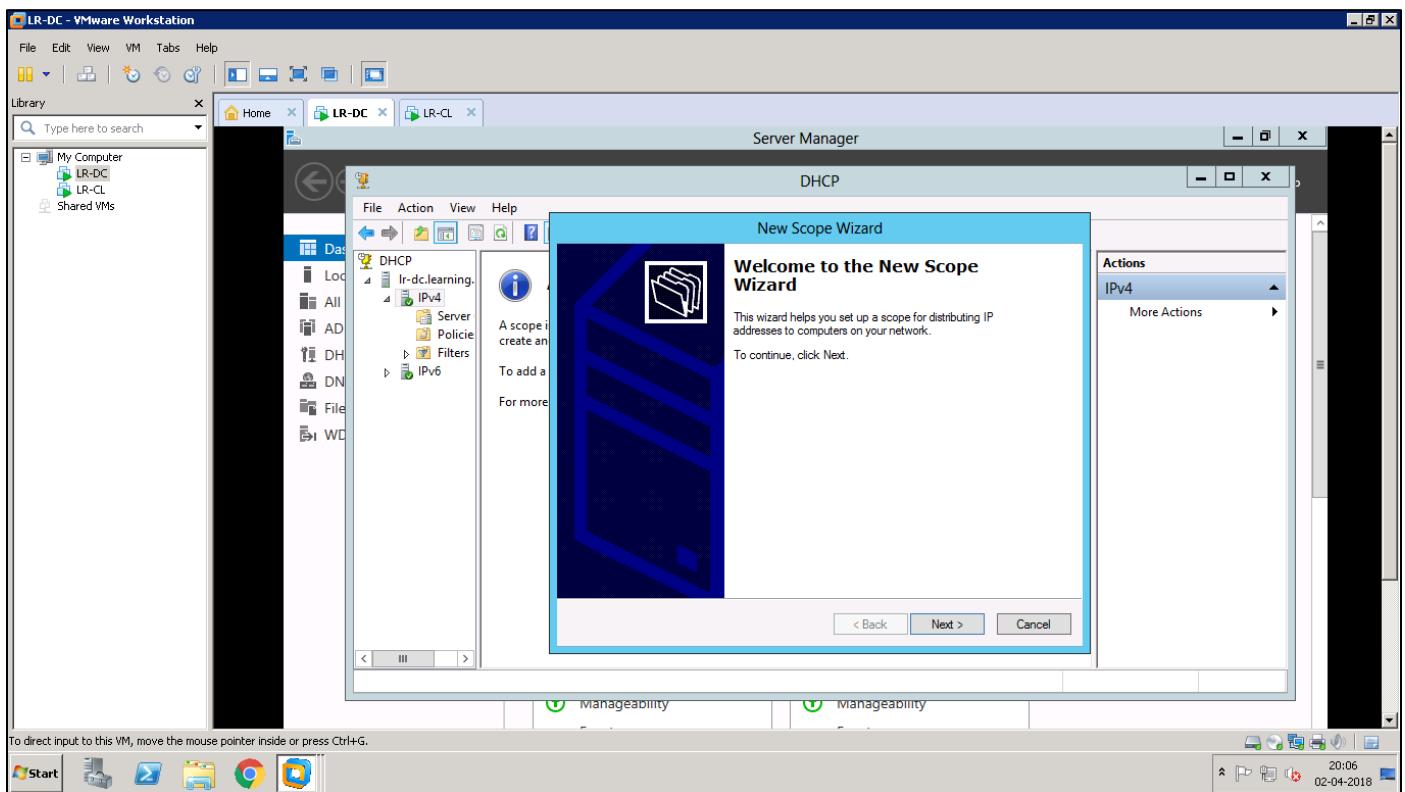
Click on 'Commit':

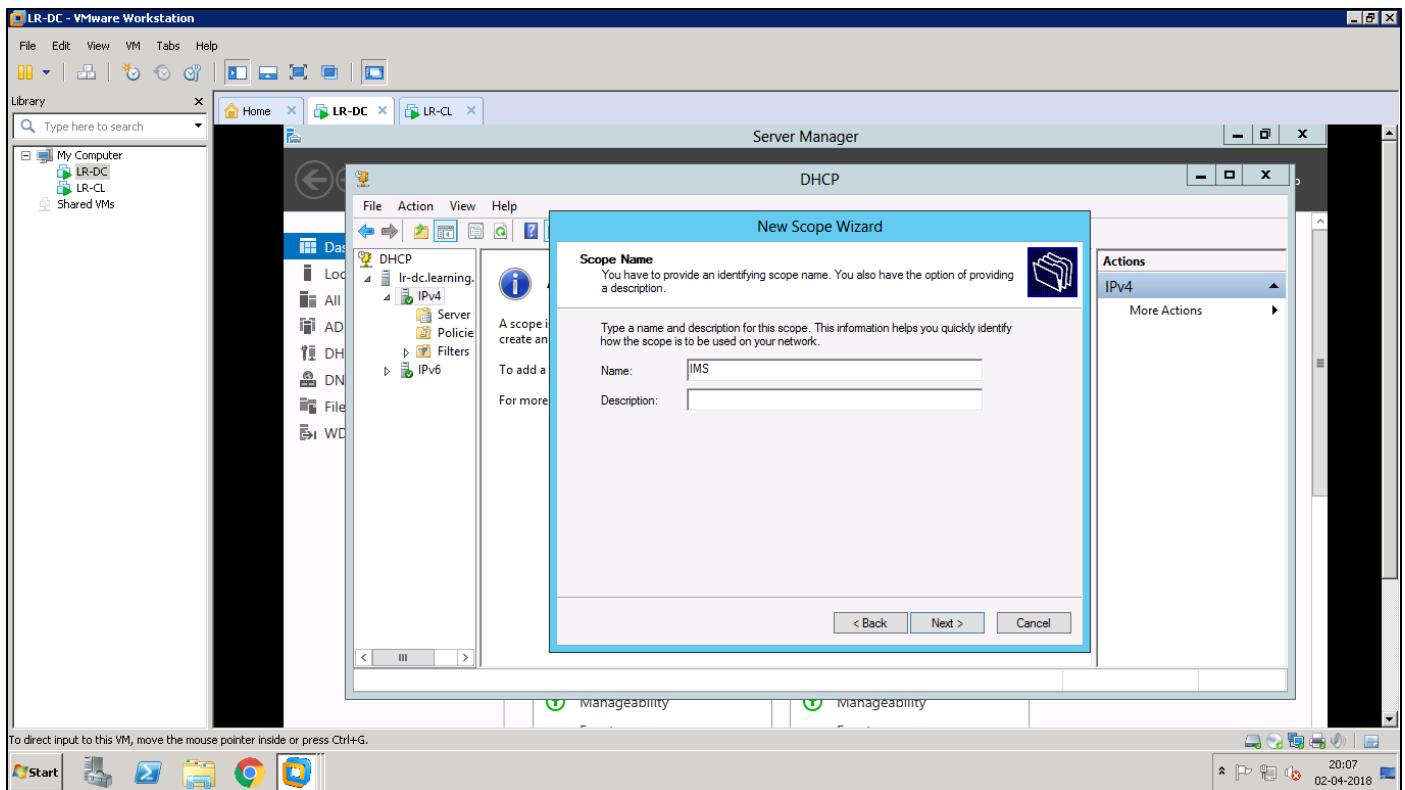


Close both to console and then go to 'Tools' and then to 'DHCP':

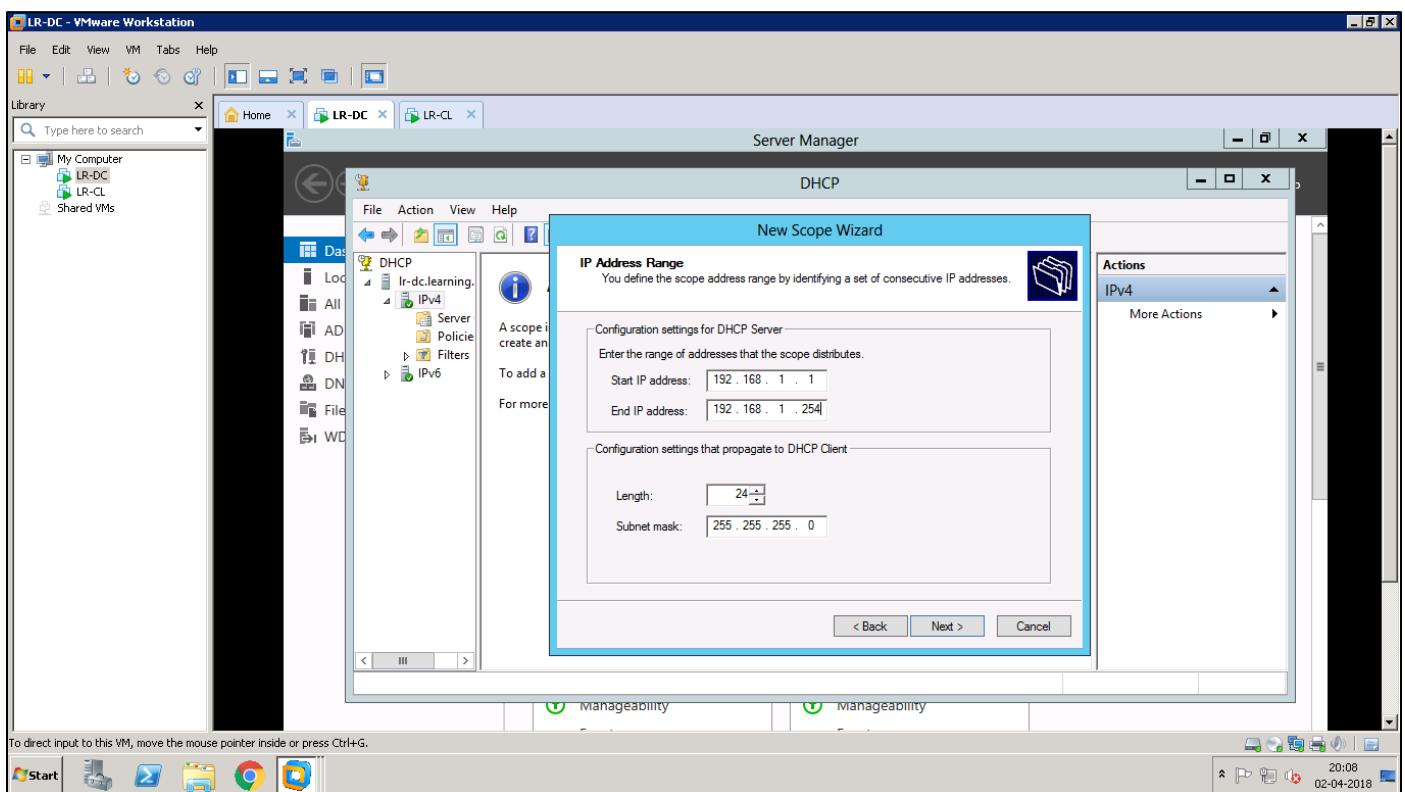


Right click on 'IPv4' and then right click 'New Scope':

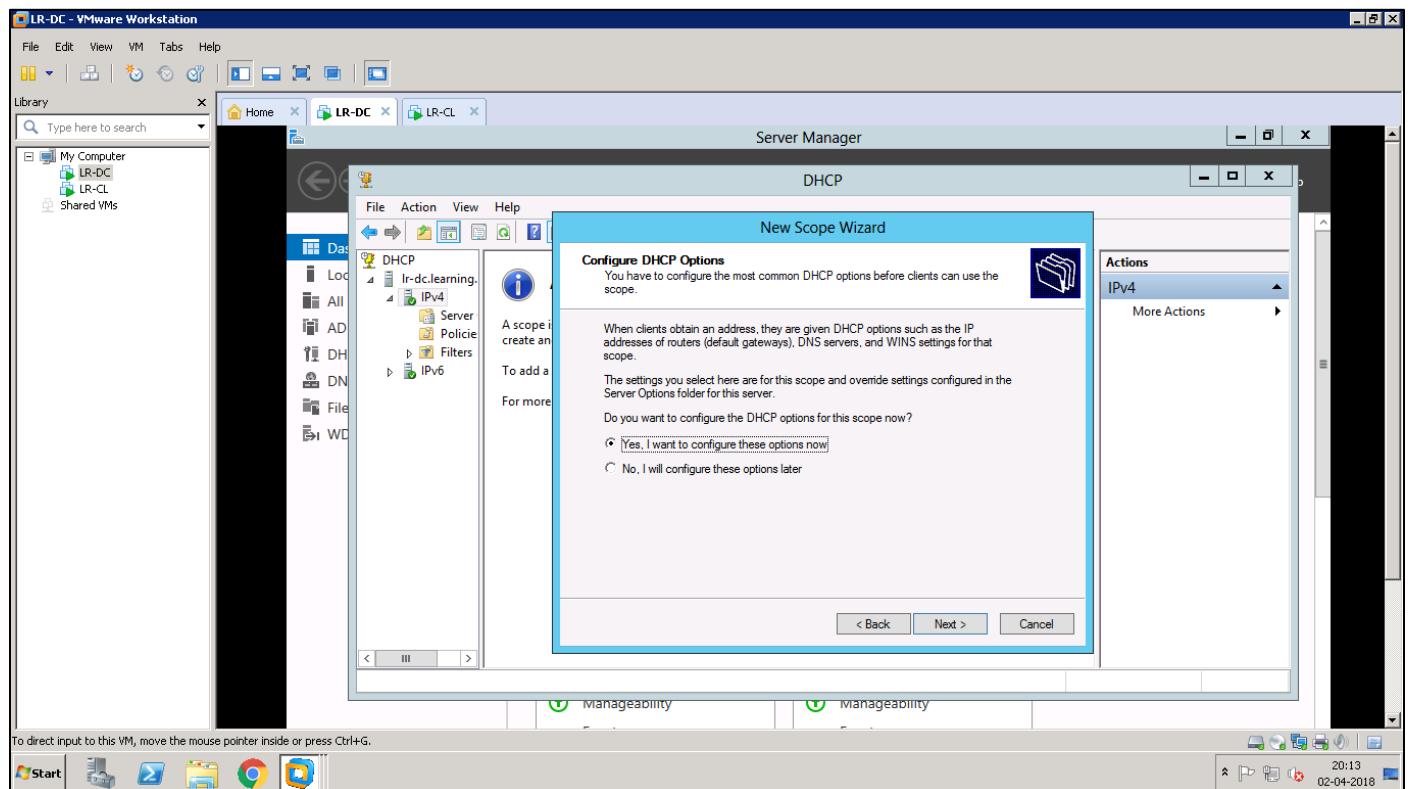
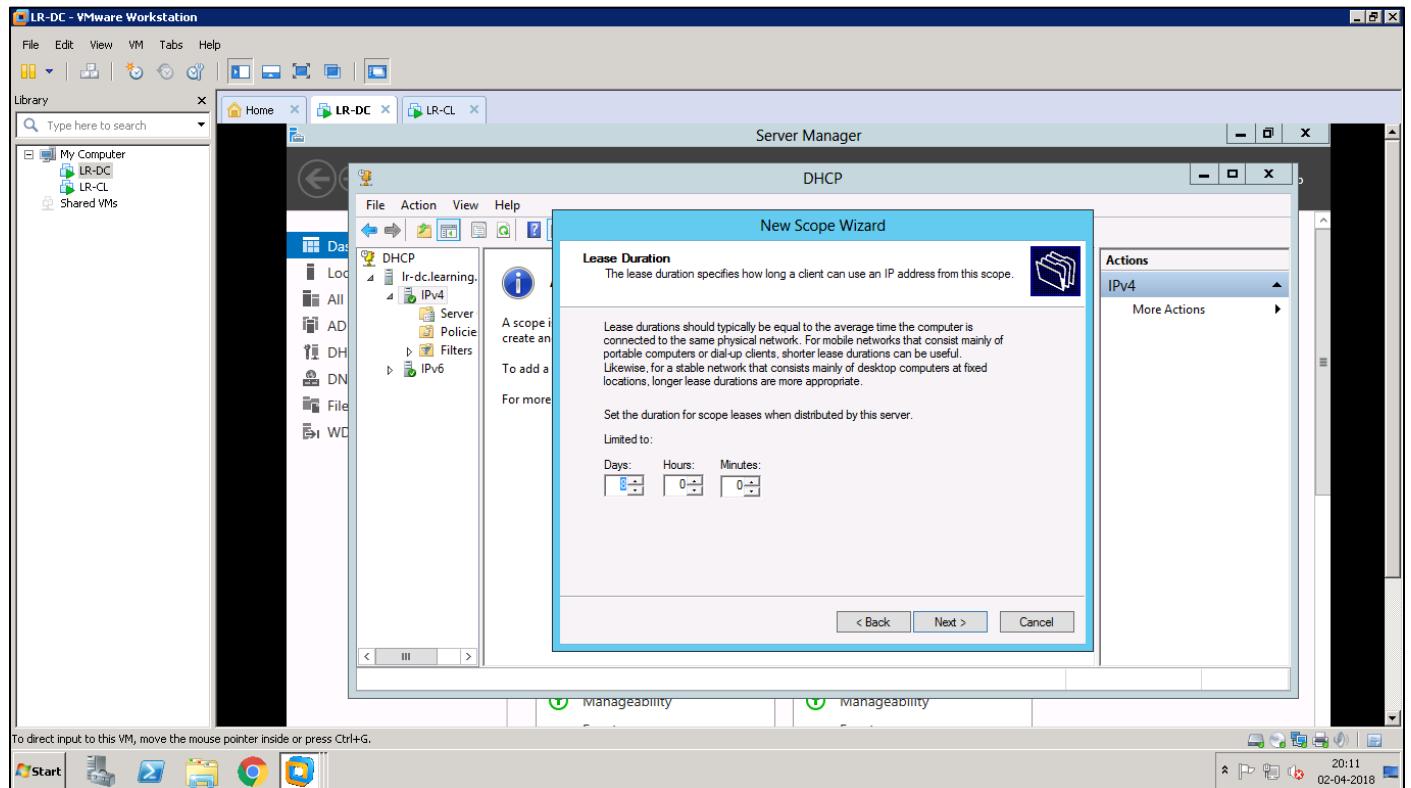




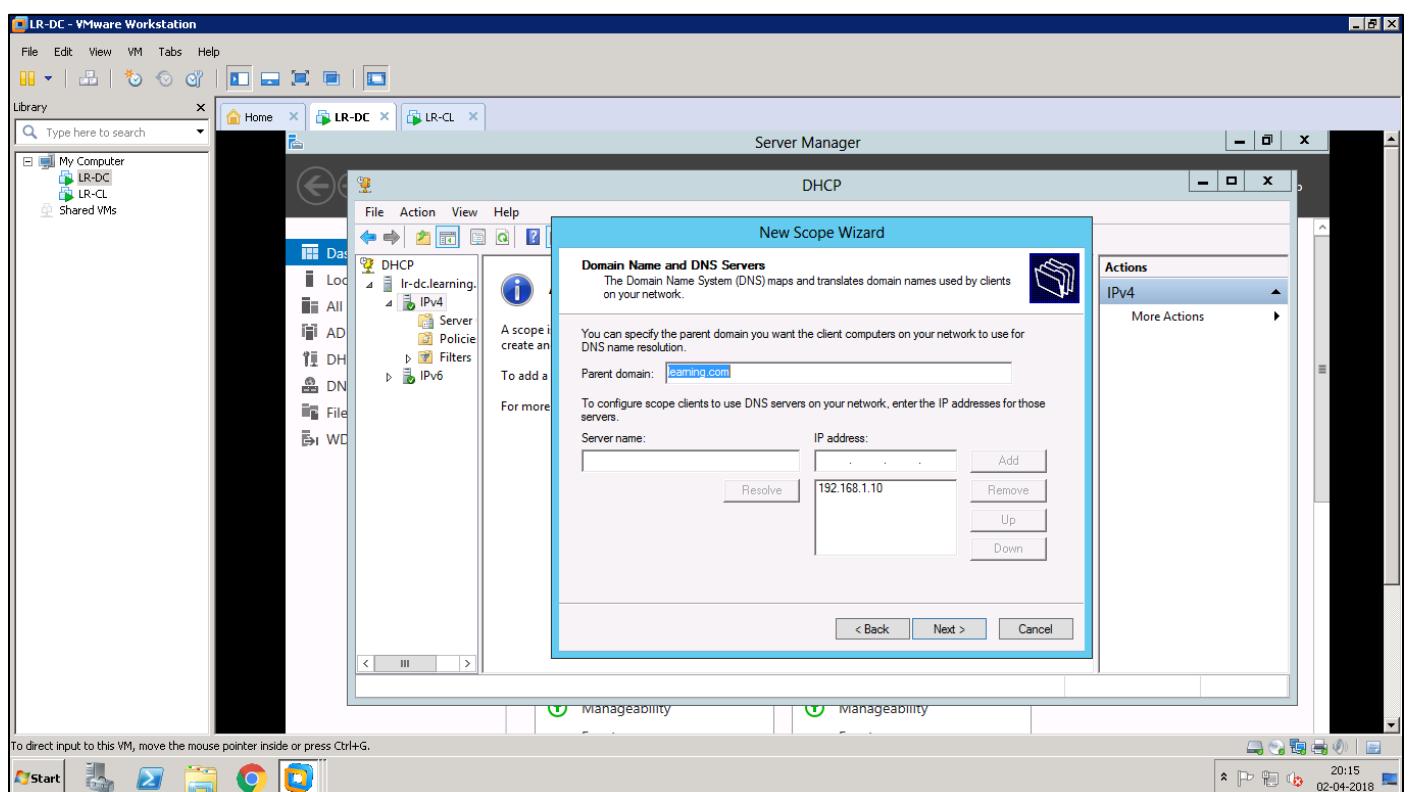
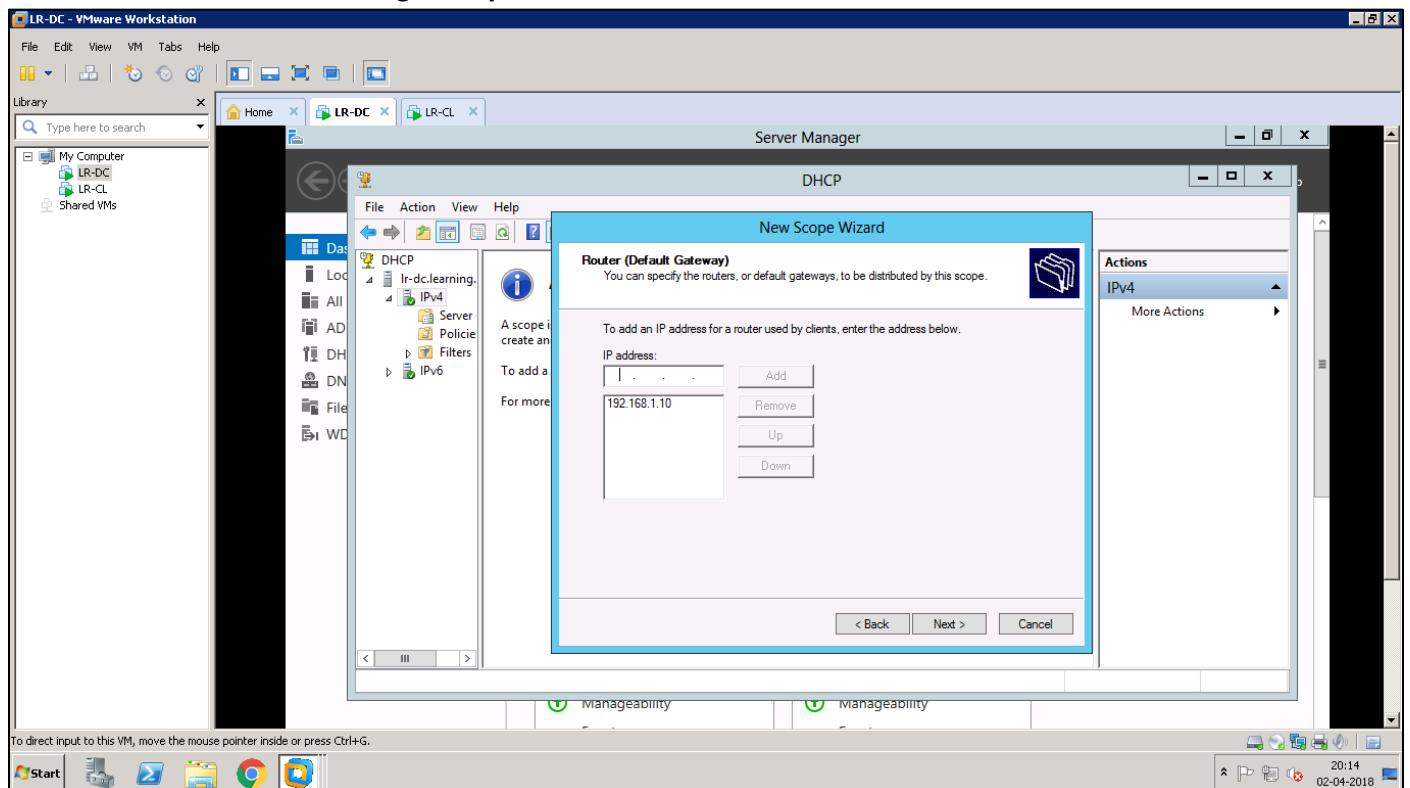
Enter the start IP address and end IP address:

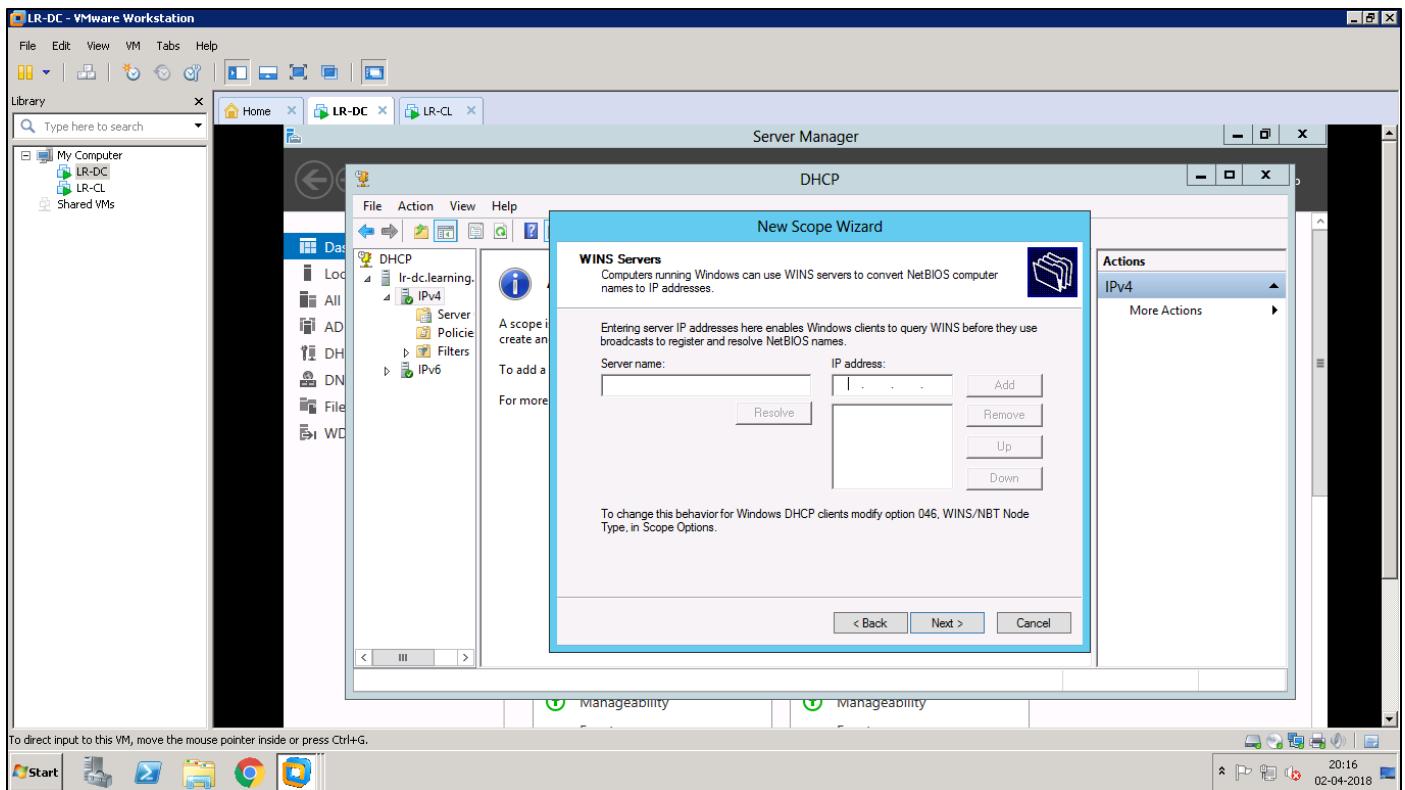


Enter IP of DC machine i.e. 192.168.1.10 into excluded IPs and then click on 'Add' and 'Next':

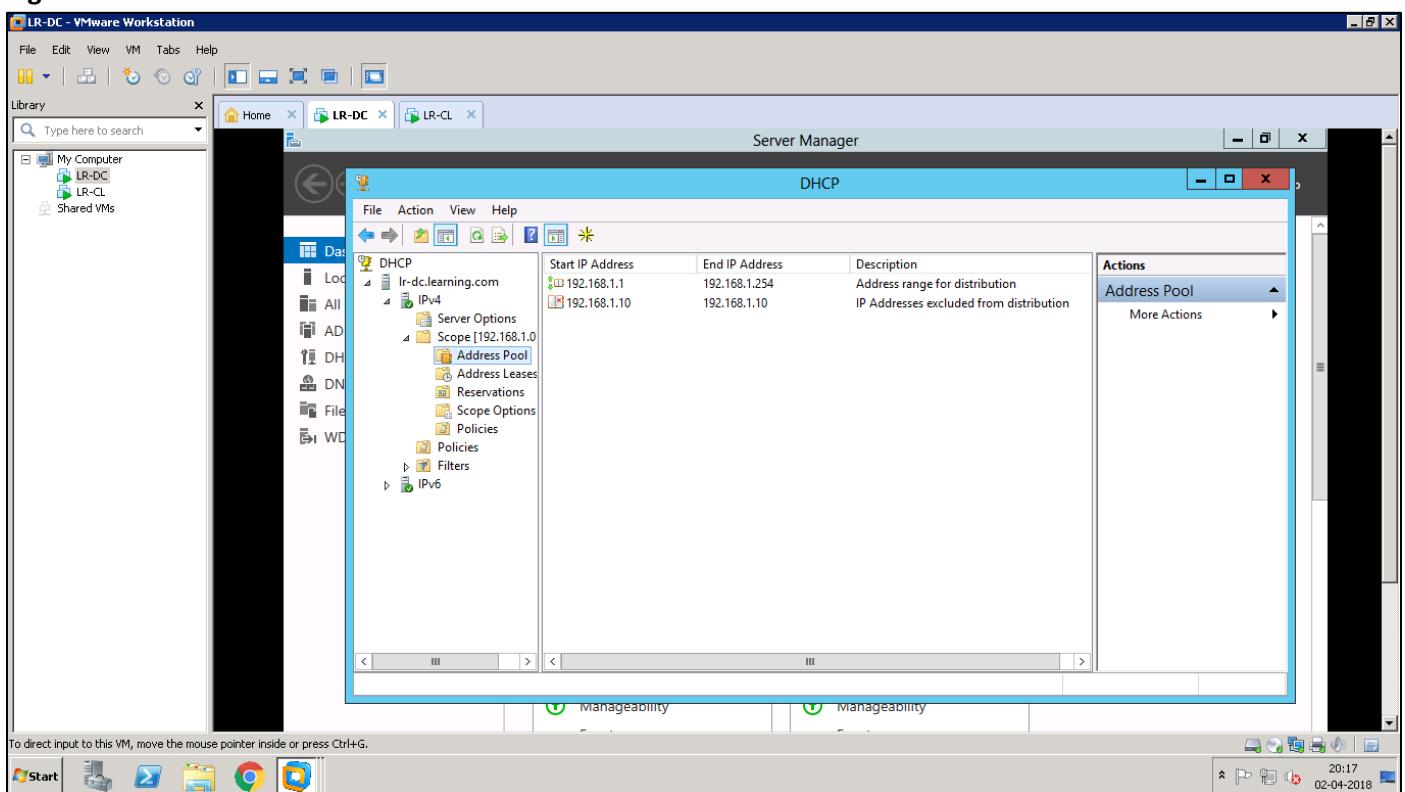


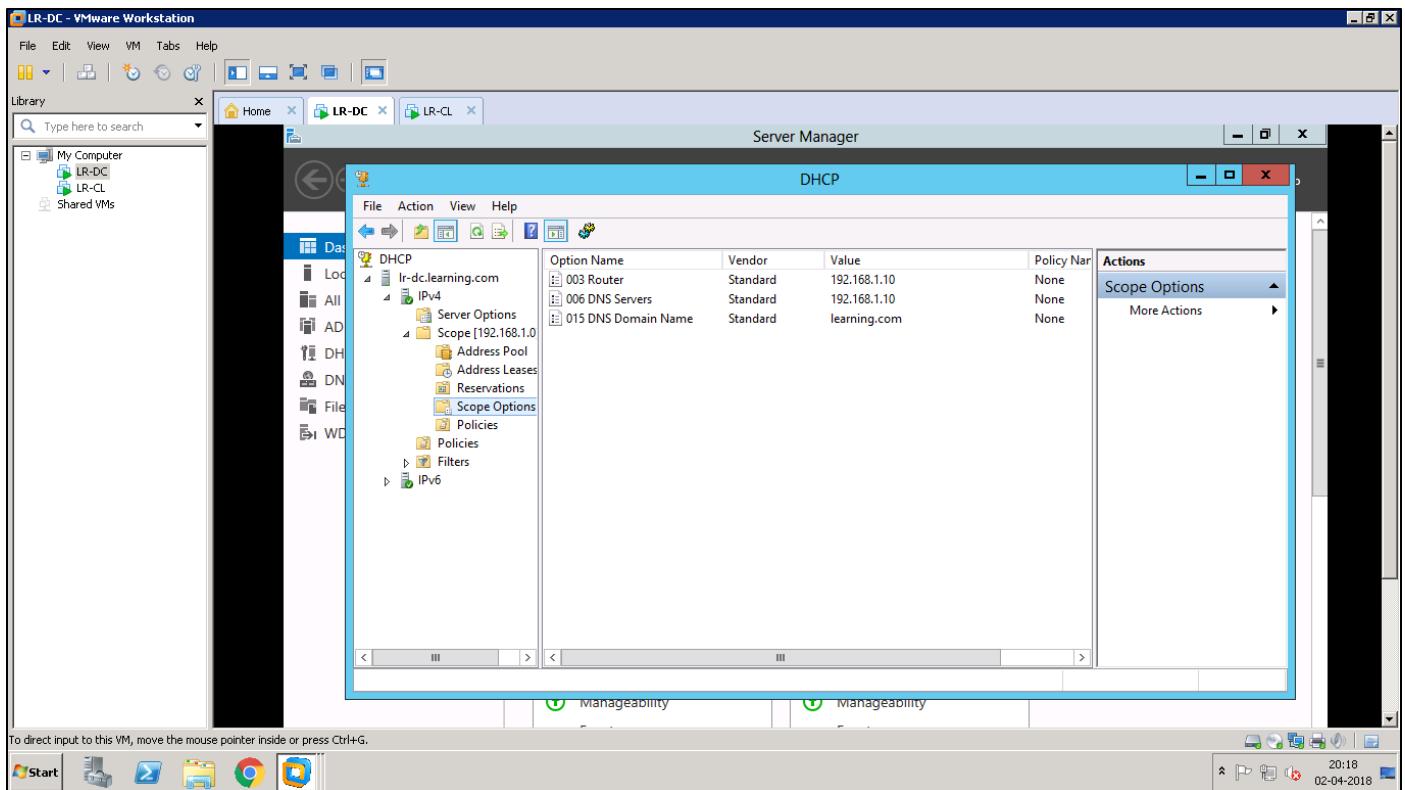
Add DC machine's IP address as gateway address 192.168.1.10 and 'Add':





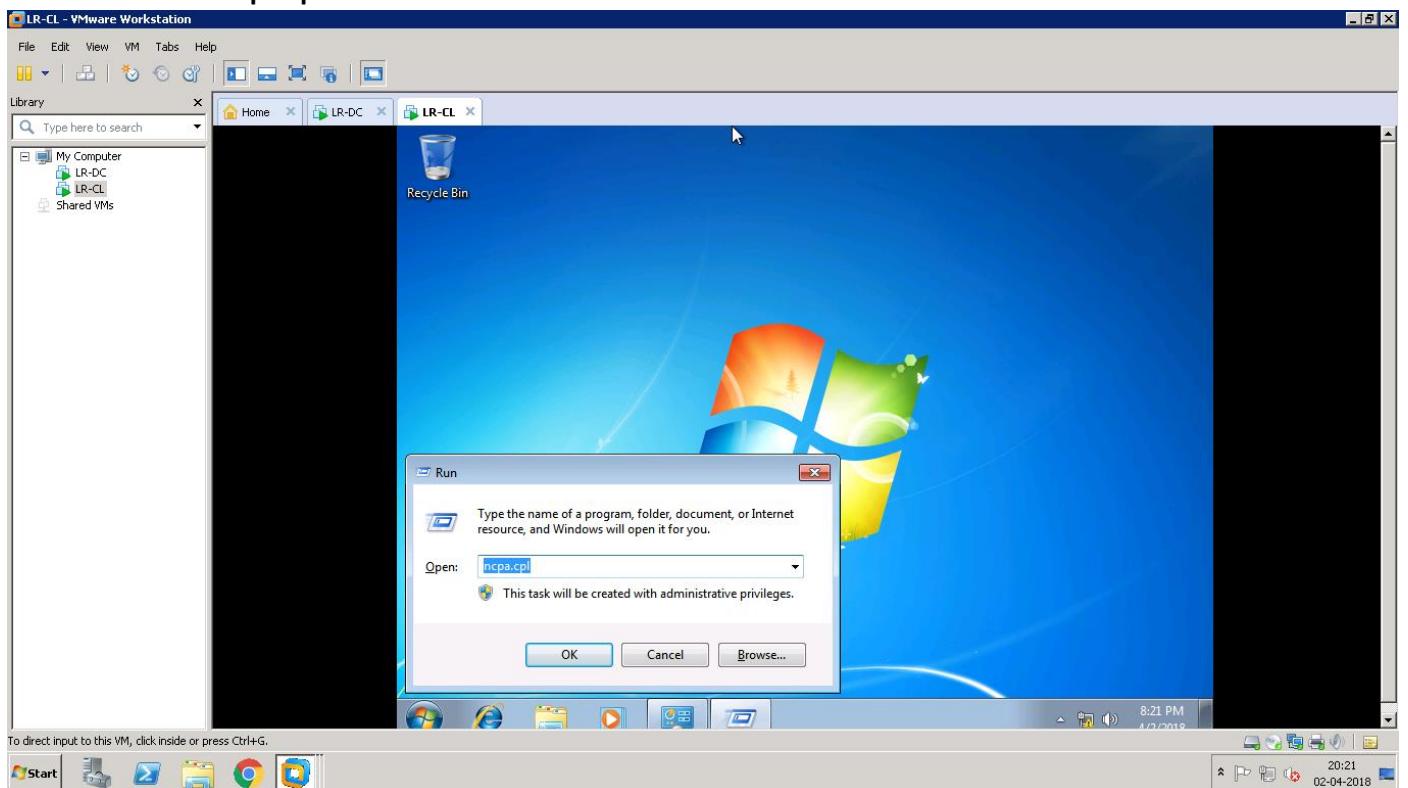
Right Click on 'IPv4' and 'Refresh':



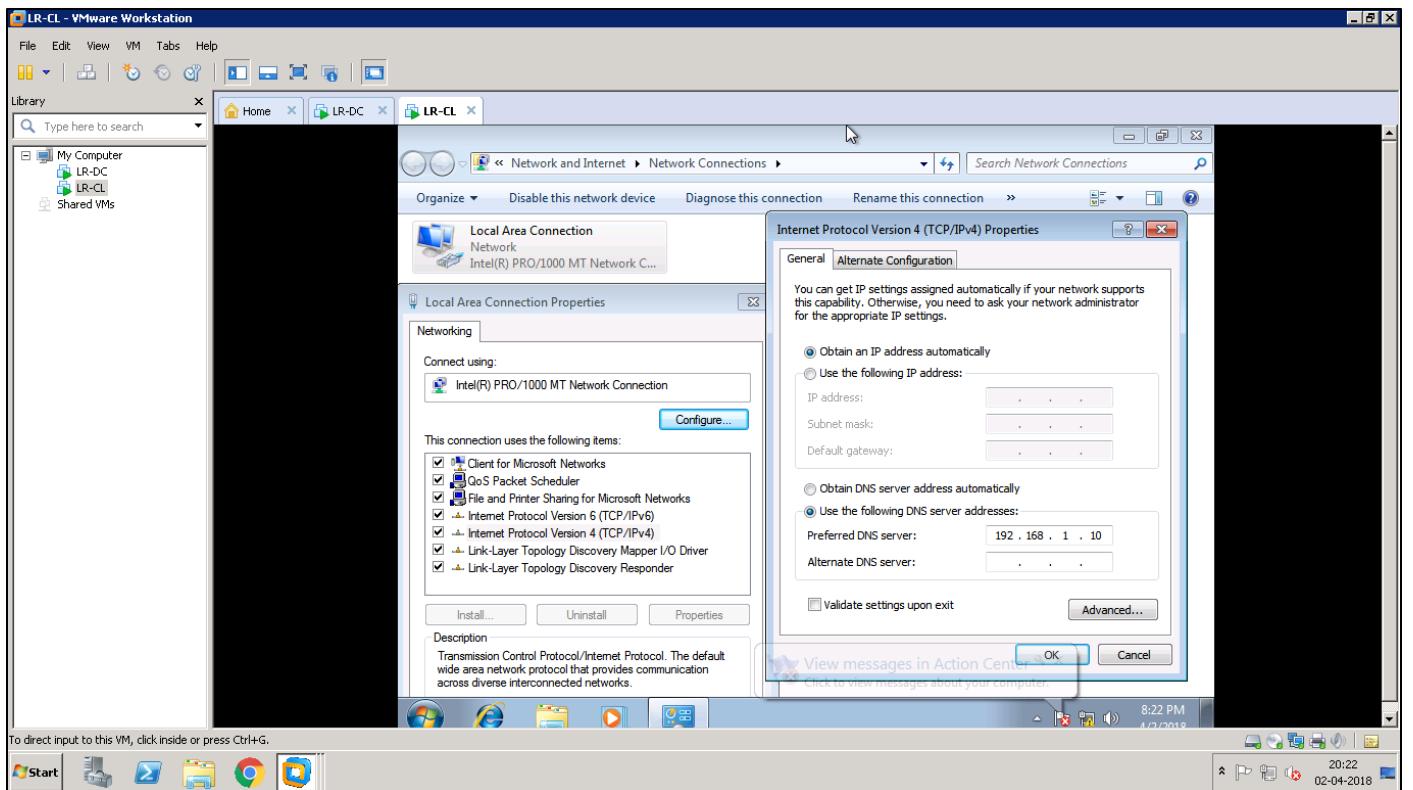


Login to client machine as 'learning\administrator':

In run command 'ncpa.cpl':

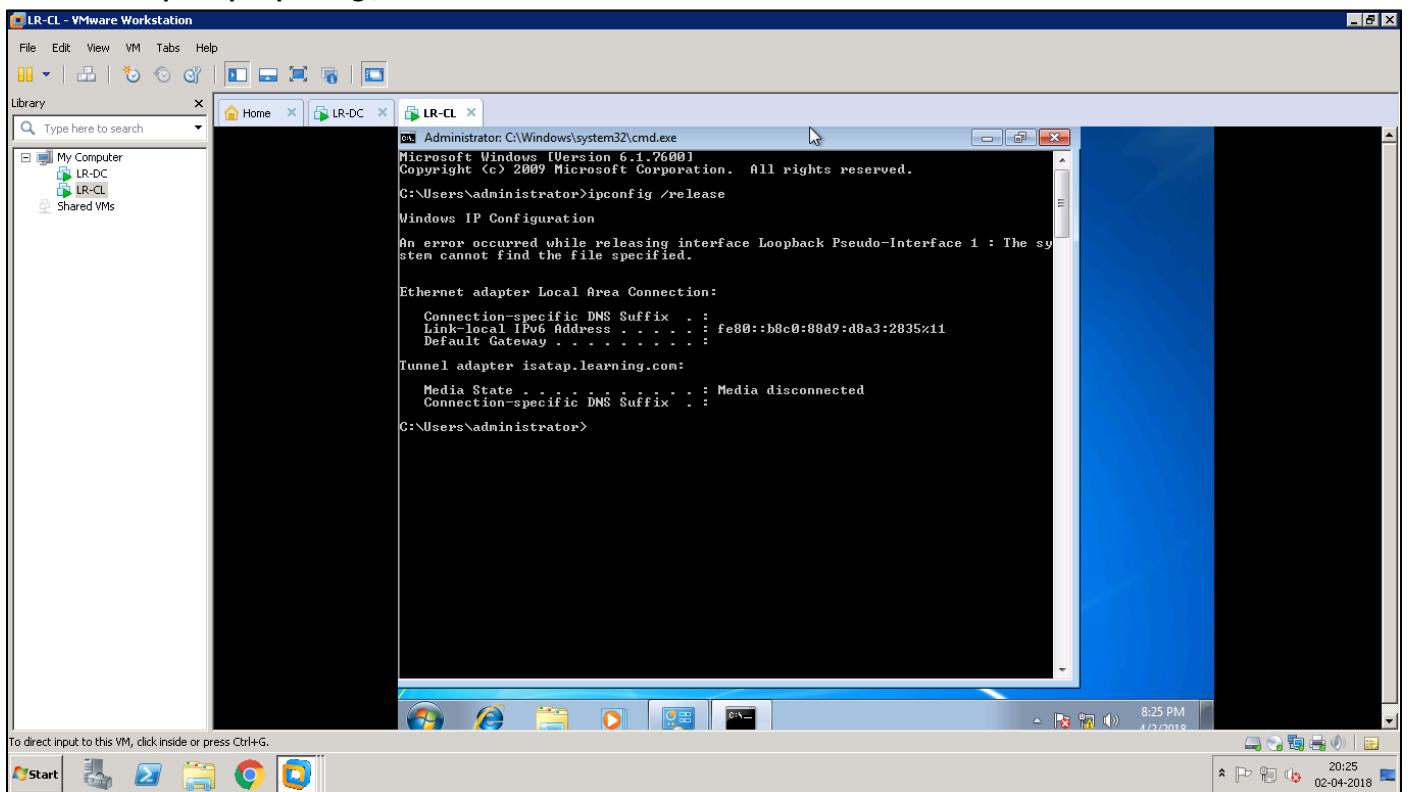


Right click 'Local Area Connection' – 'Properties' – 'IPv4' – 'Properties' – 'Obtain IP address automatically':

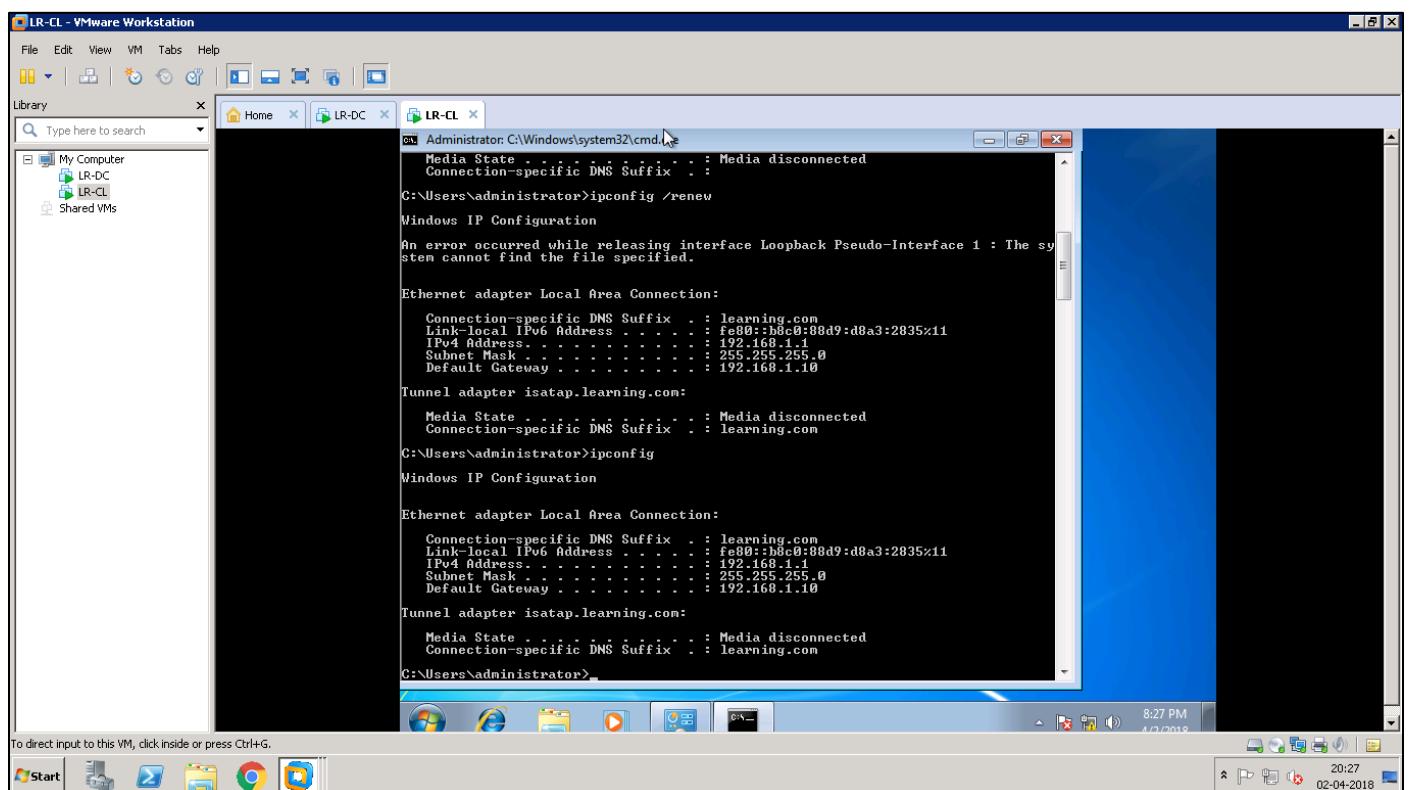
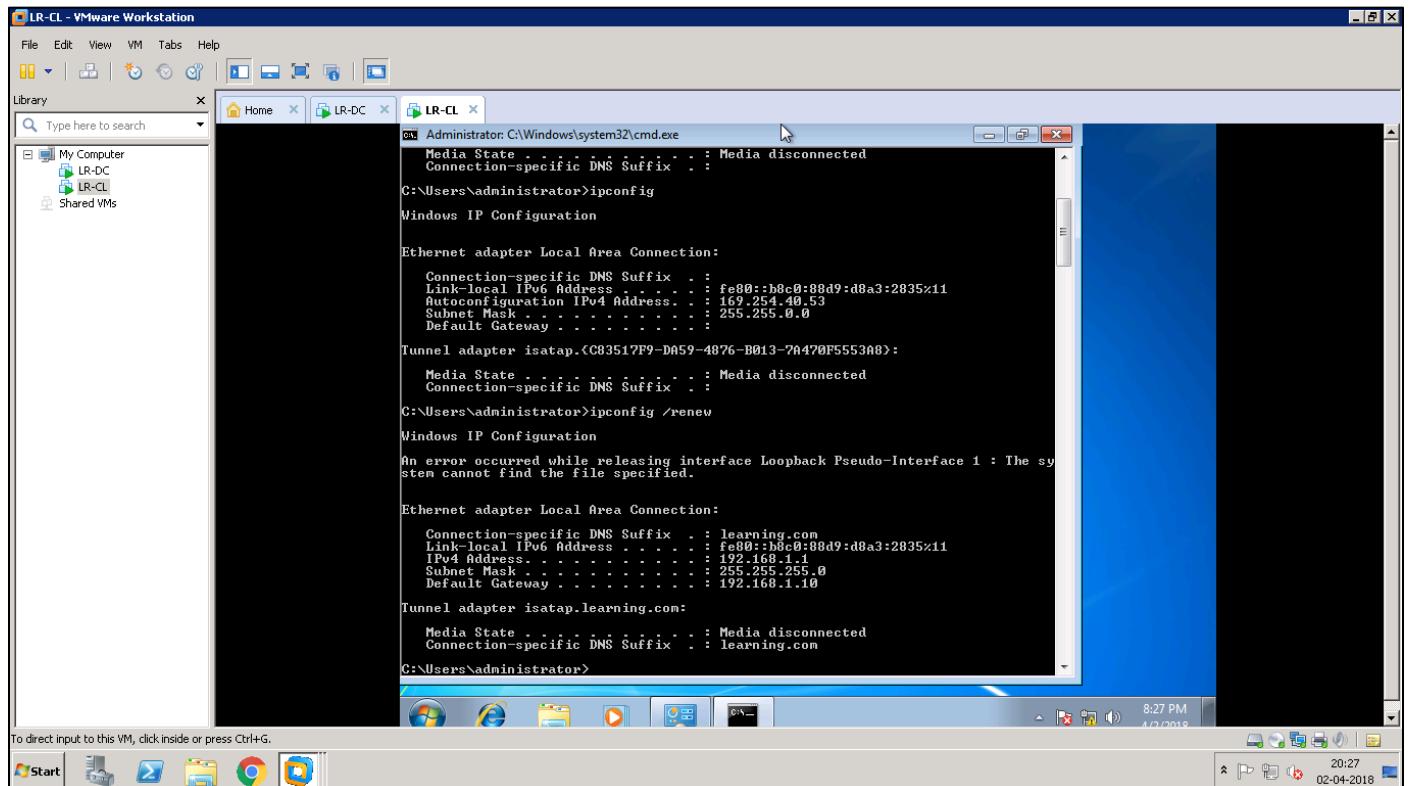


'OK' and 'Close'

In command prompt 'ipconfig /release':

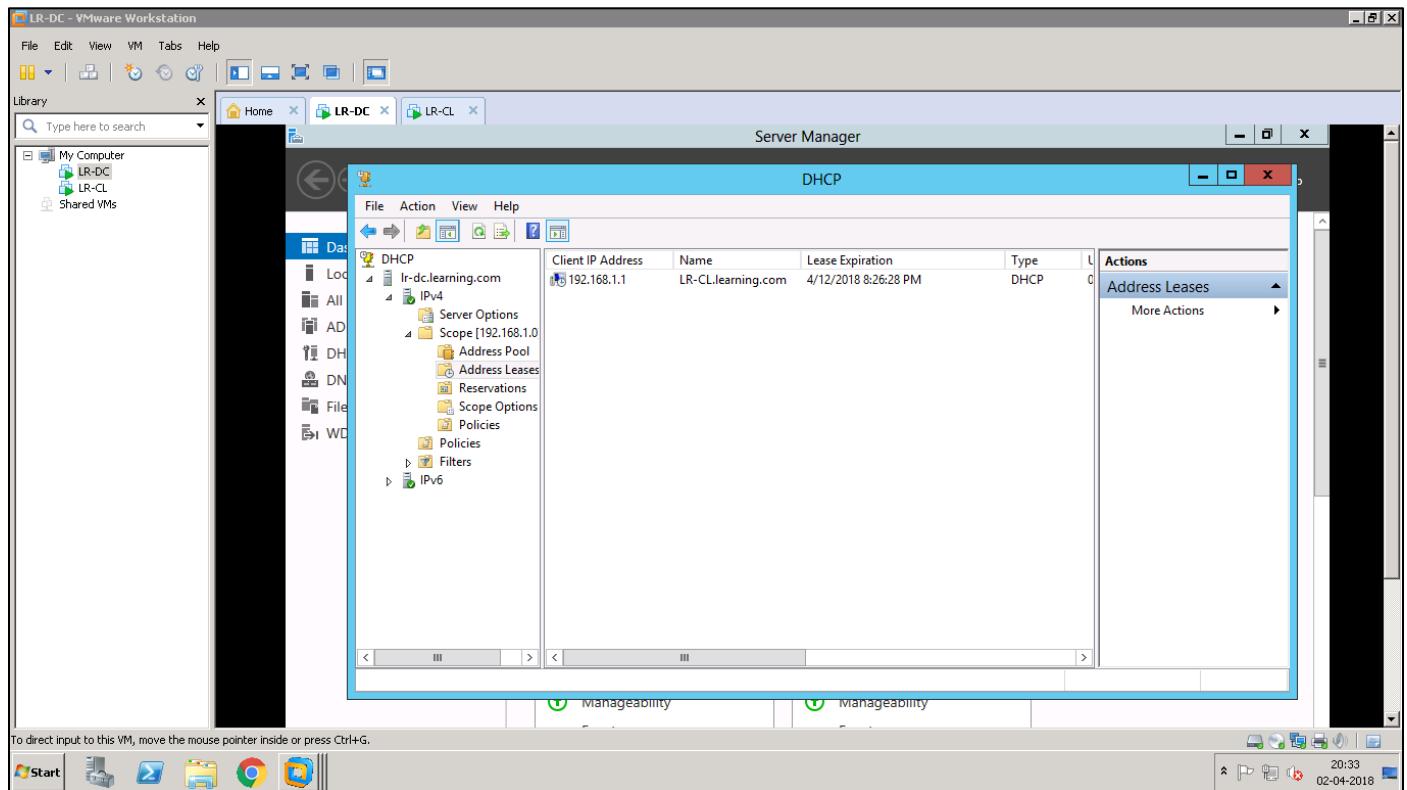


In command prompt 'ipconfig /renew' and then 'ipconfig':

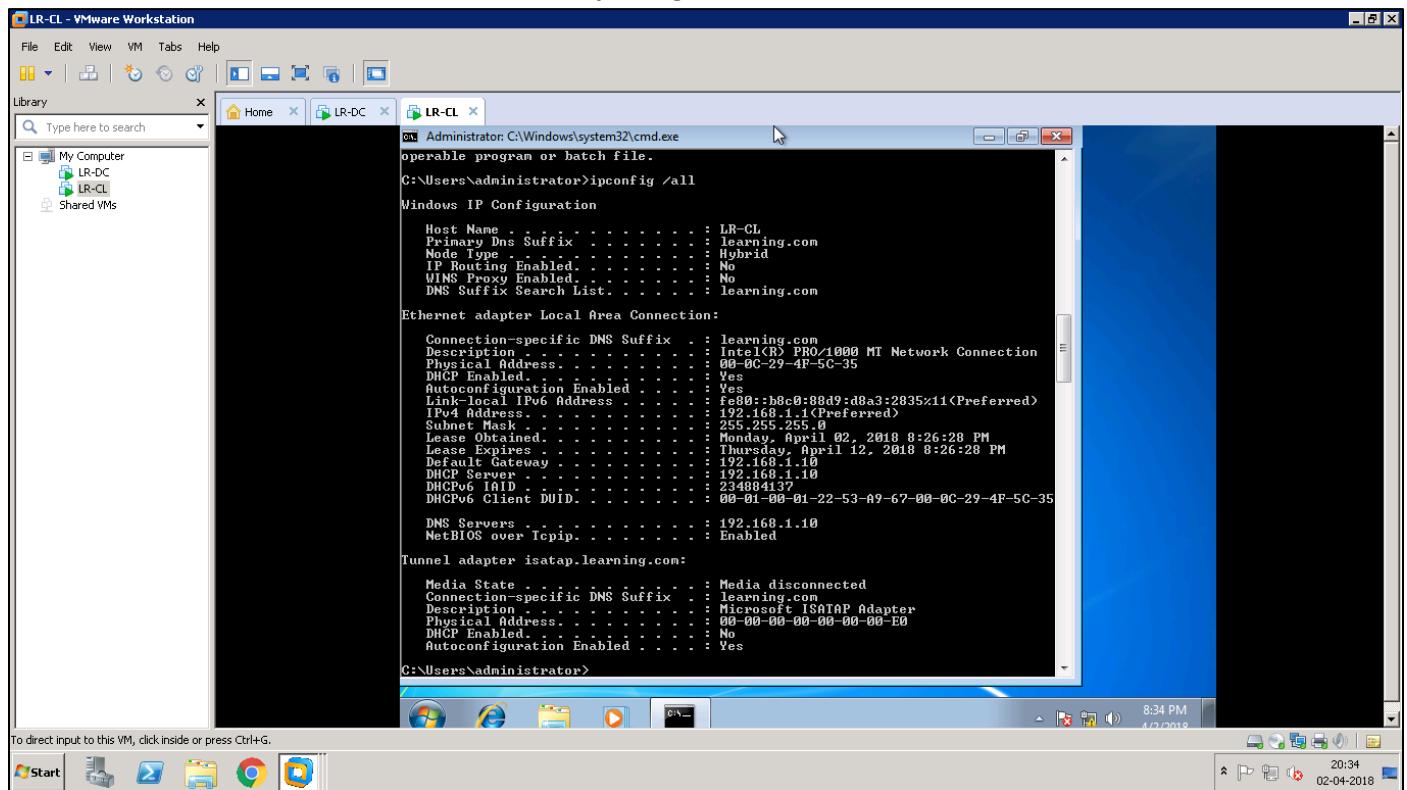


Switch to 'Server Machine':

In address release, we will get IP address of client machine '192.168.1.1':



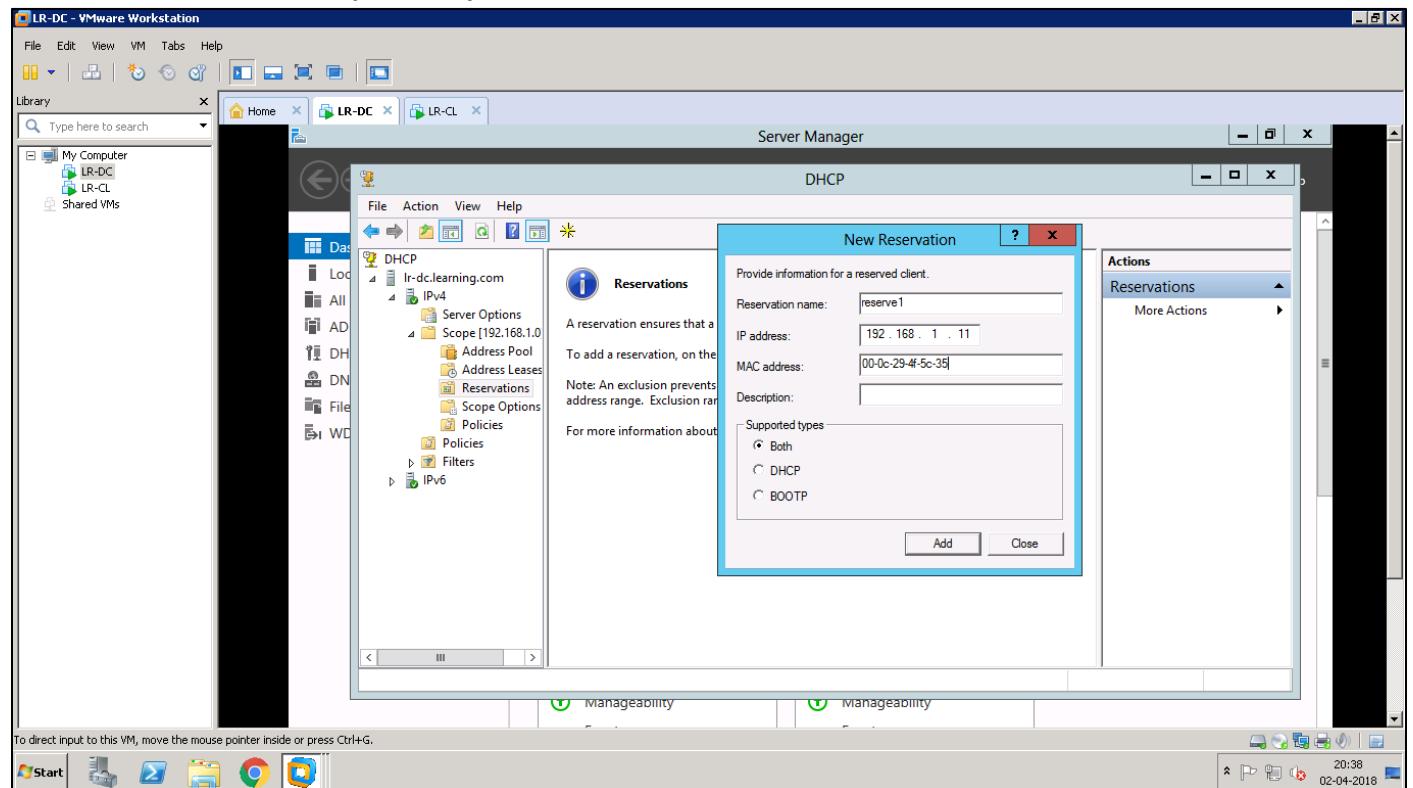
Find MAC address of all the machines. In client 'ipconfig /all' :



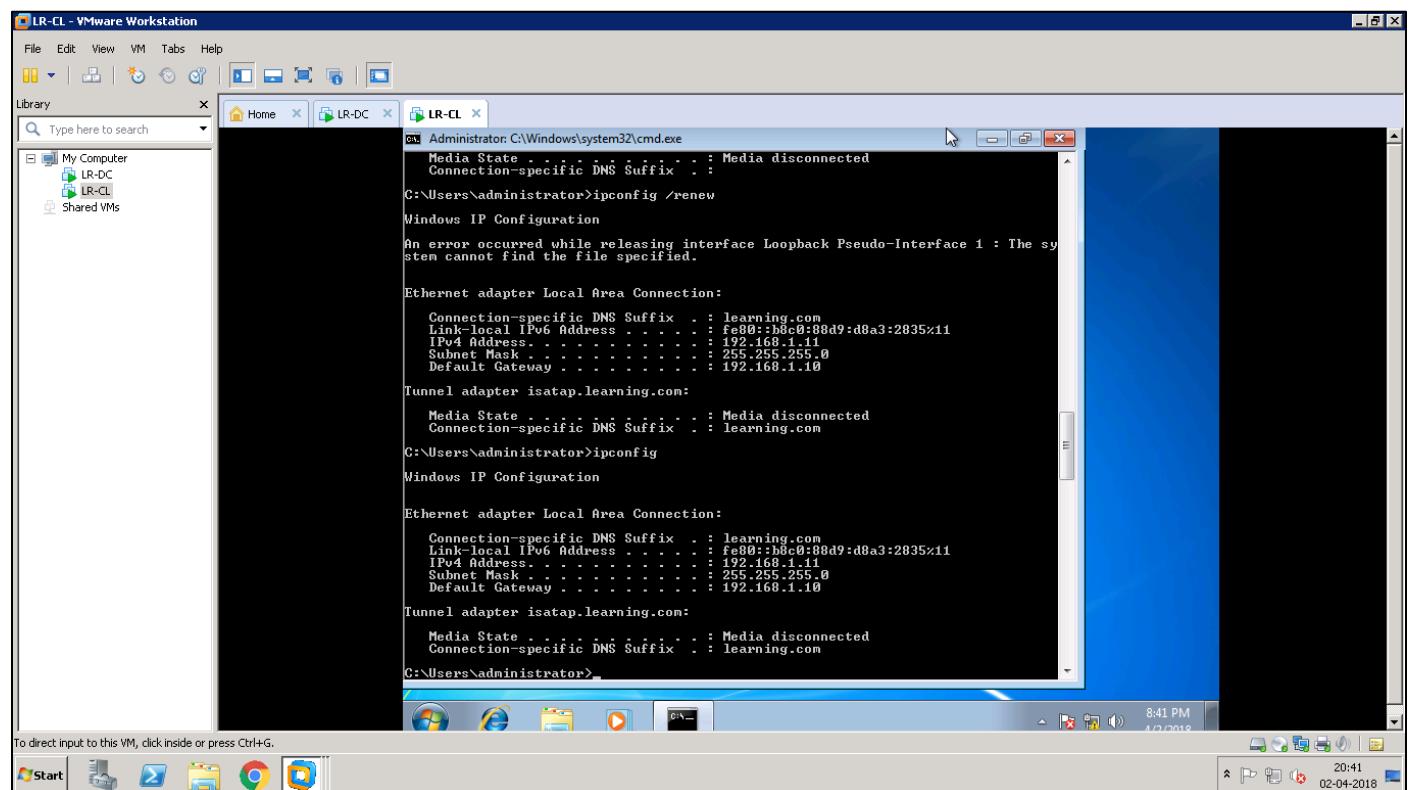
Go to the DC machine:

Right click on 'Reservation' – 'New Reservation' – Reserve1 – Give IP address to resolve '192.168.1.11'

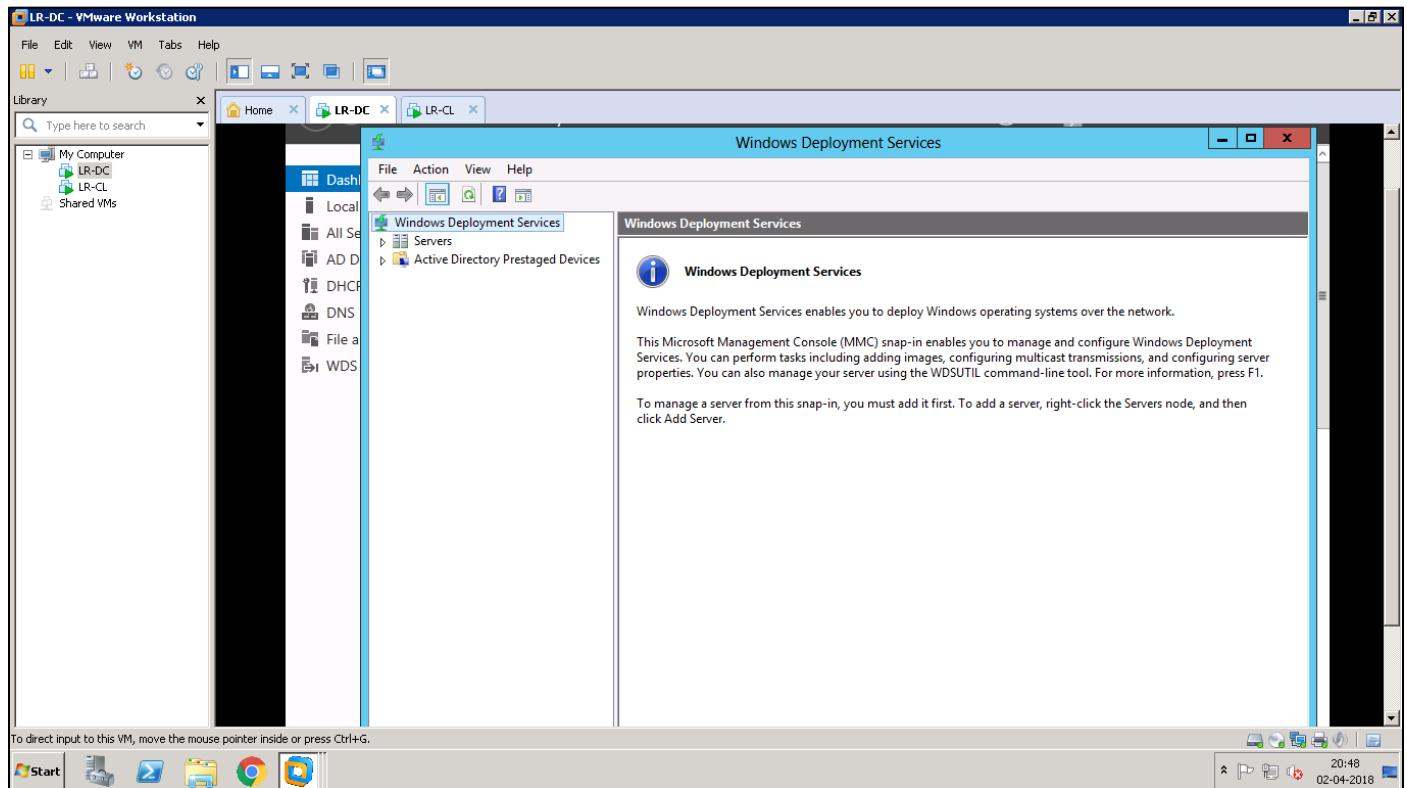
Give MAC Address as noted previously:



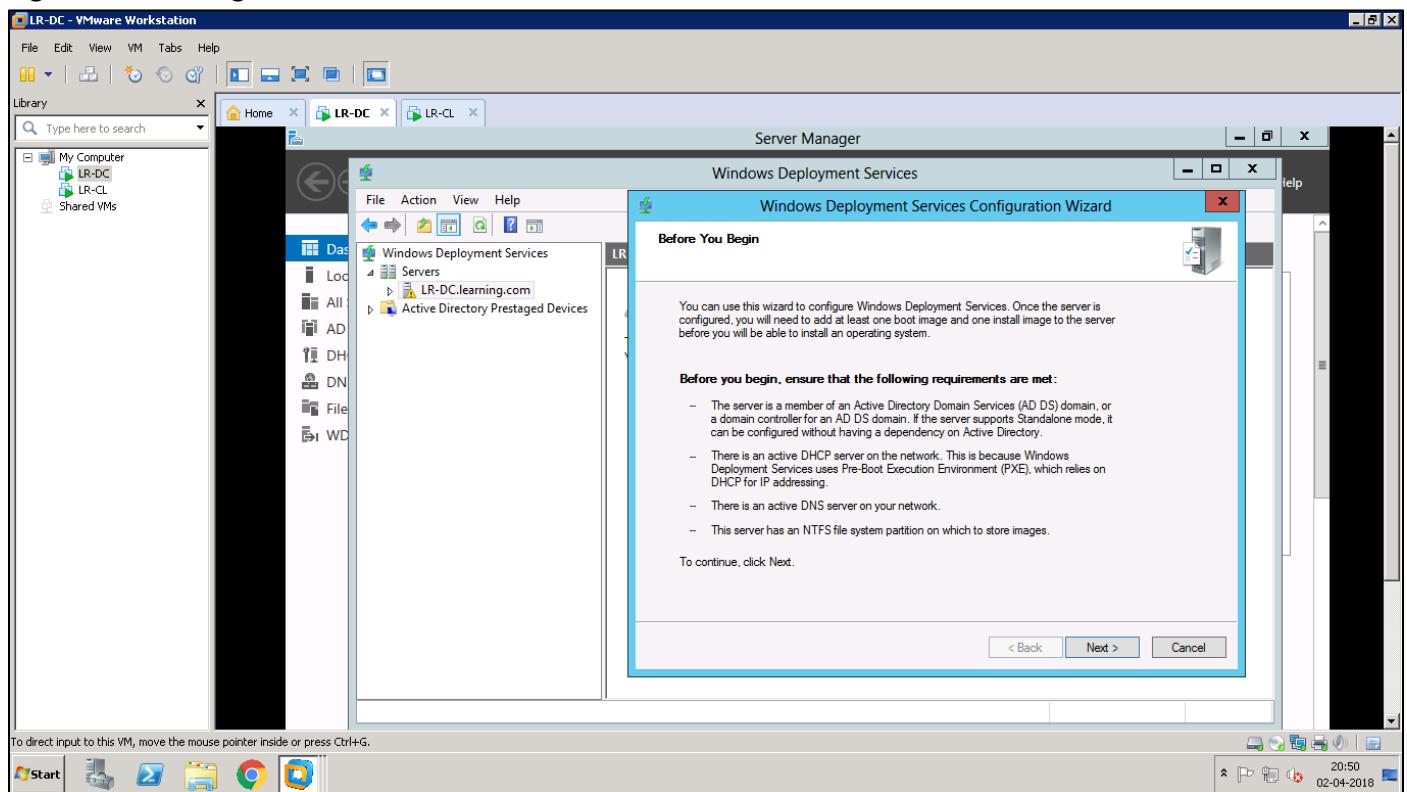
In CL machine check for IP:

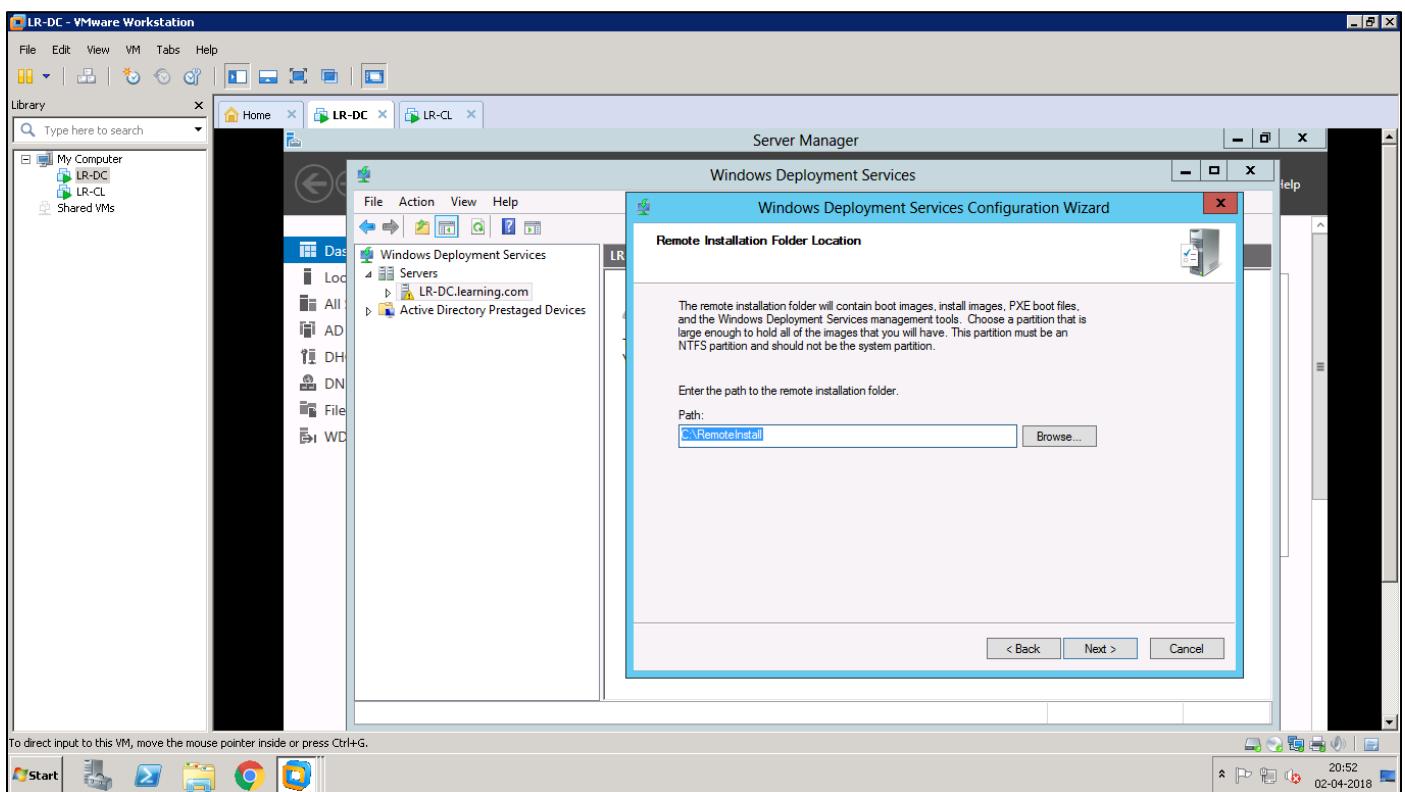
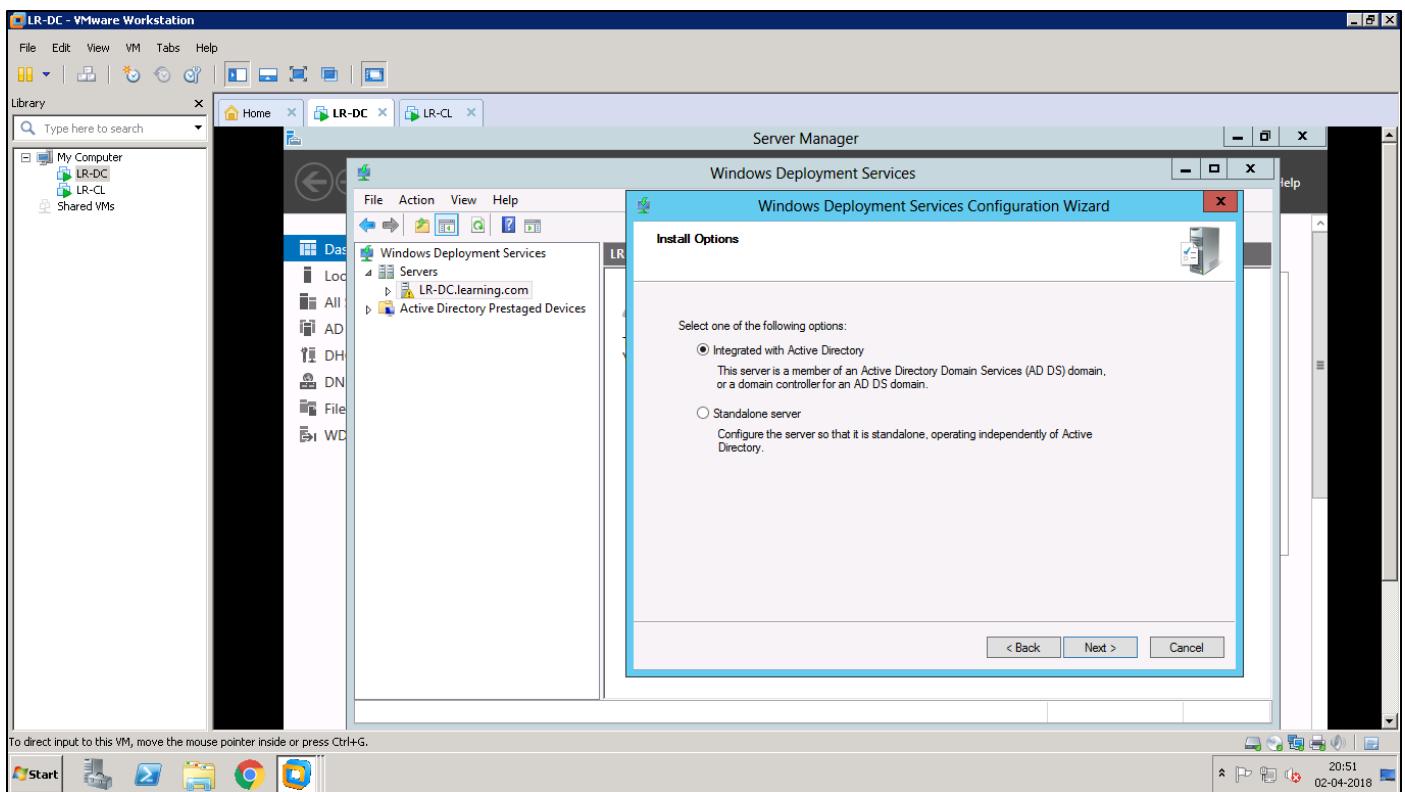


Server Machine – ‘Tools’ – ‘Windows Deployment Services’:

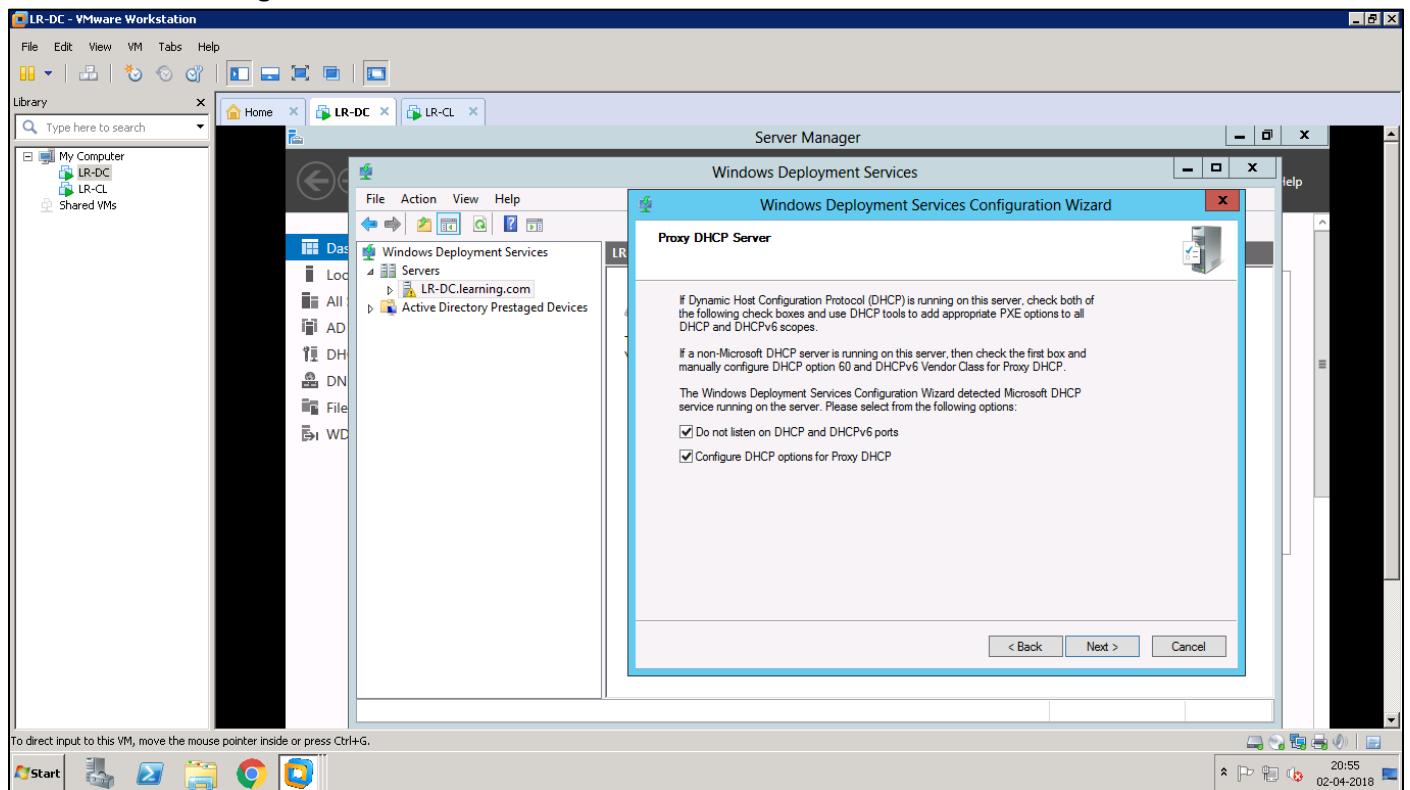


Right Click – ‘Configure Server’:

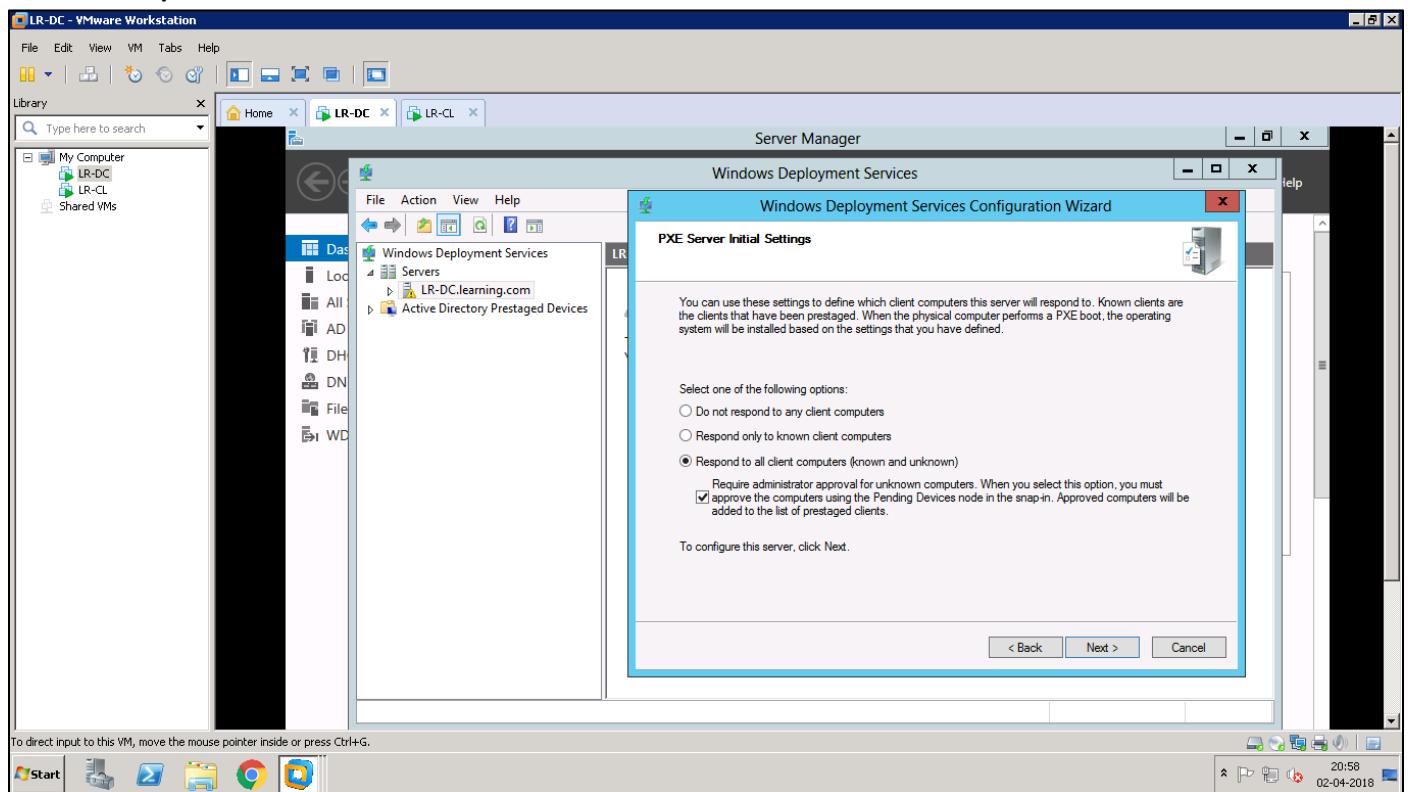


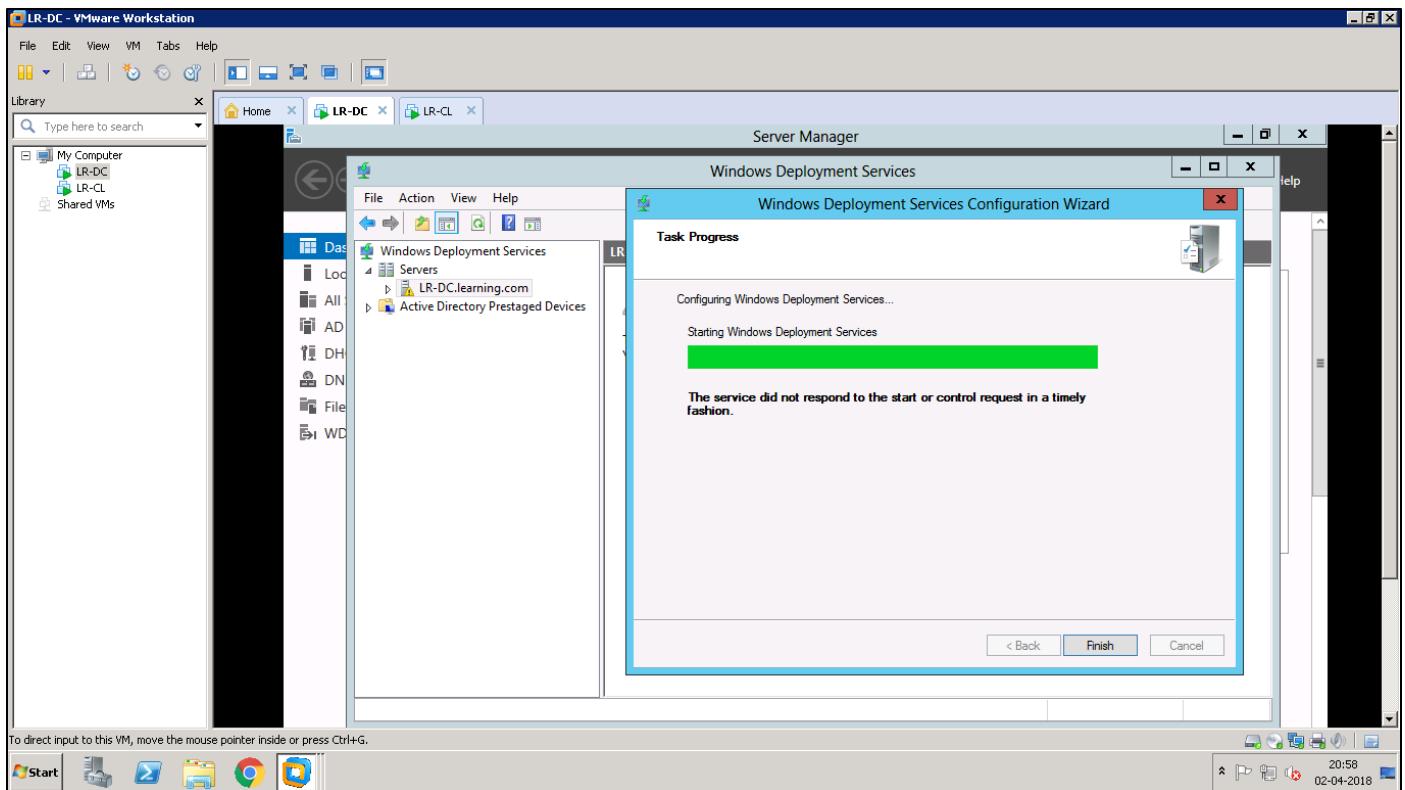


Click 'YES' on warning:

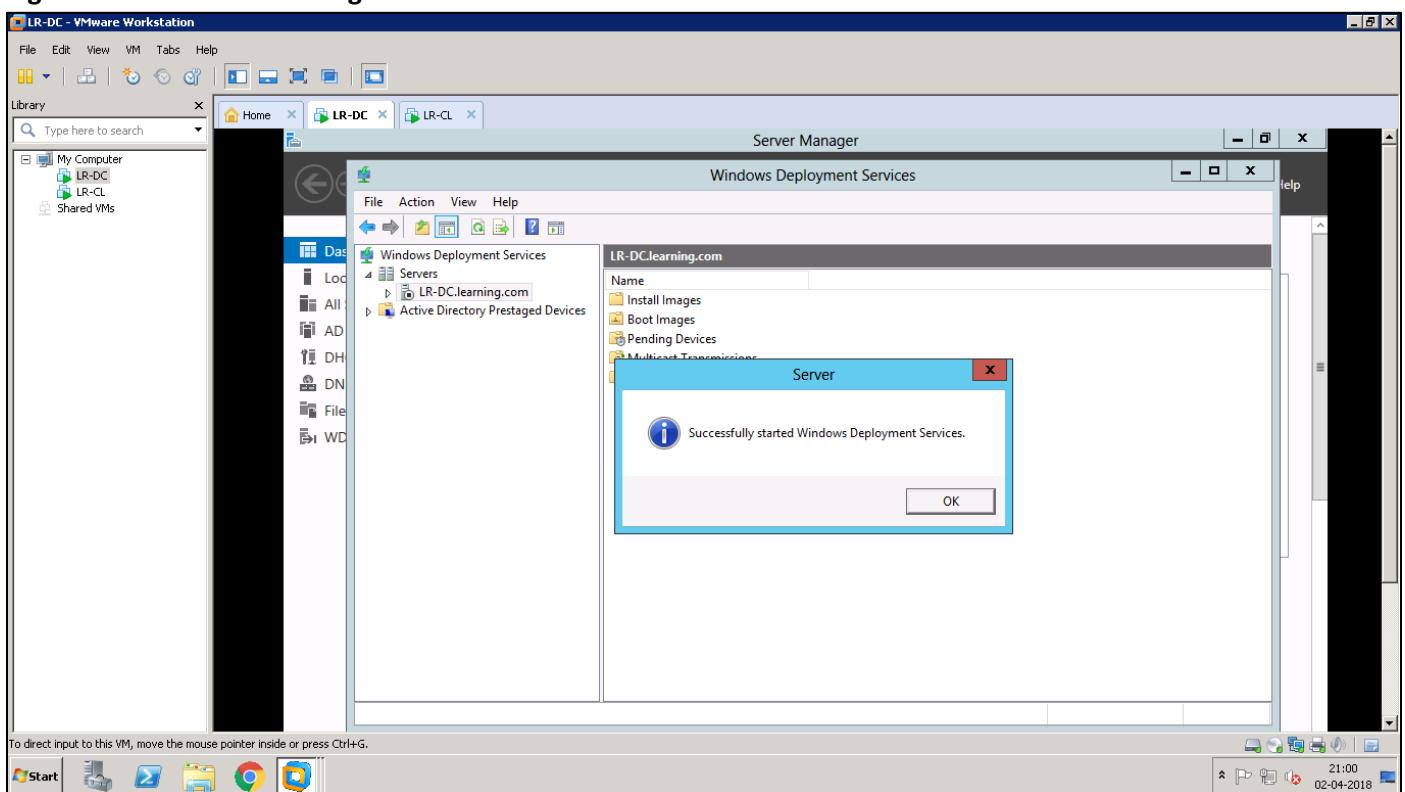


Choose 3rd Option:

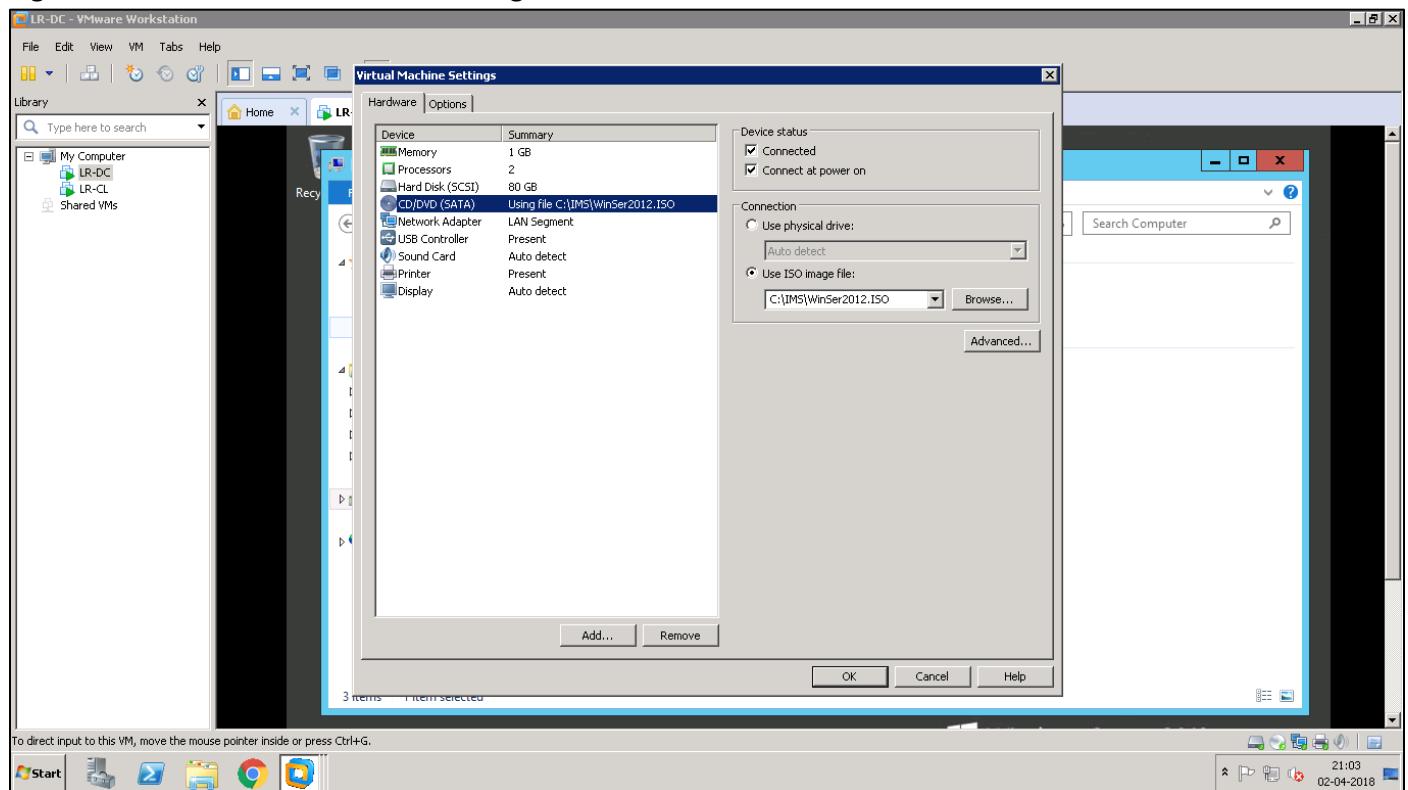




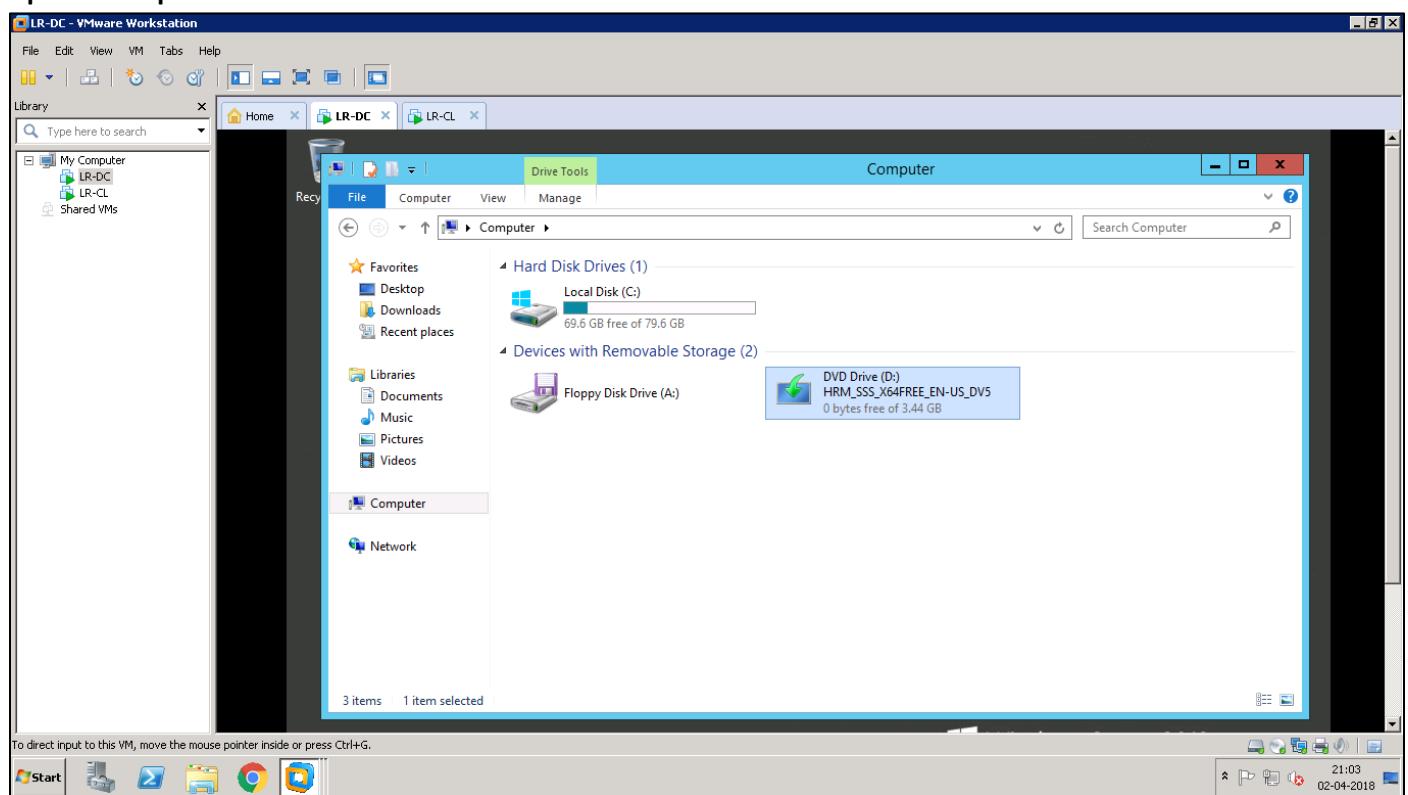
Right Click on 'LR-DC.learning.com' – 'All Task' – 'Start':



Right click on 'LR-DC' in VMware – 'Setting' – Attach winSer2012 ISO file:

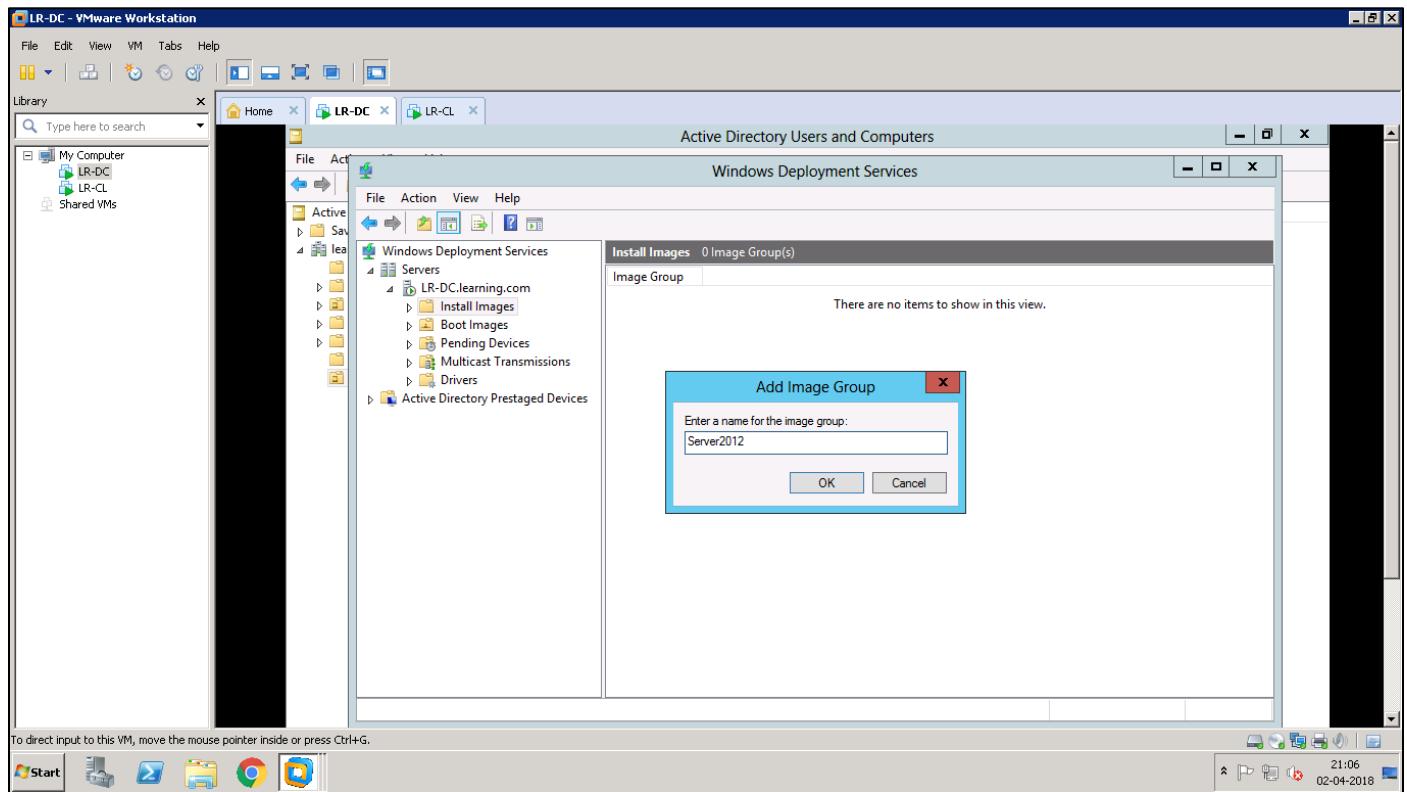


Open File Explorer:

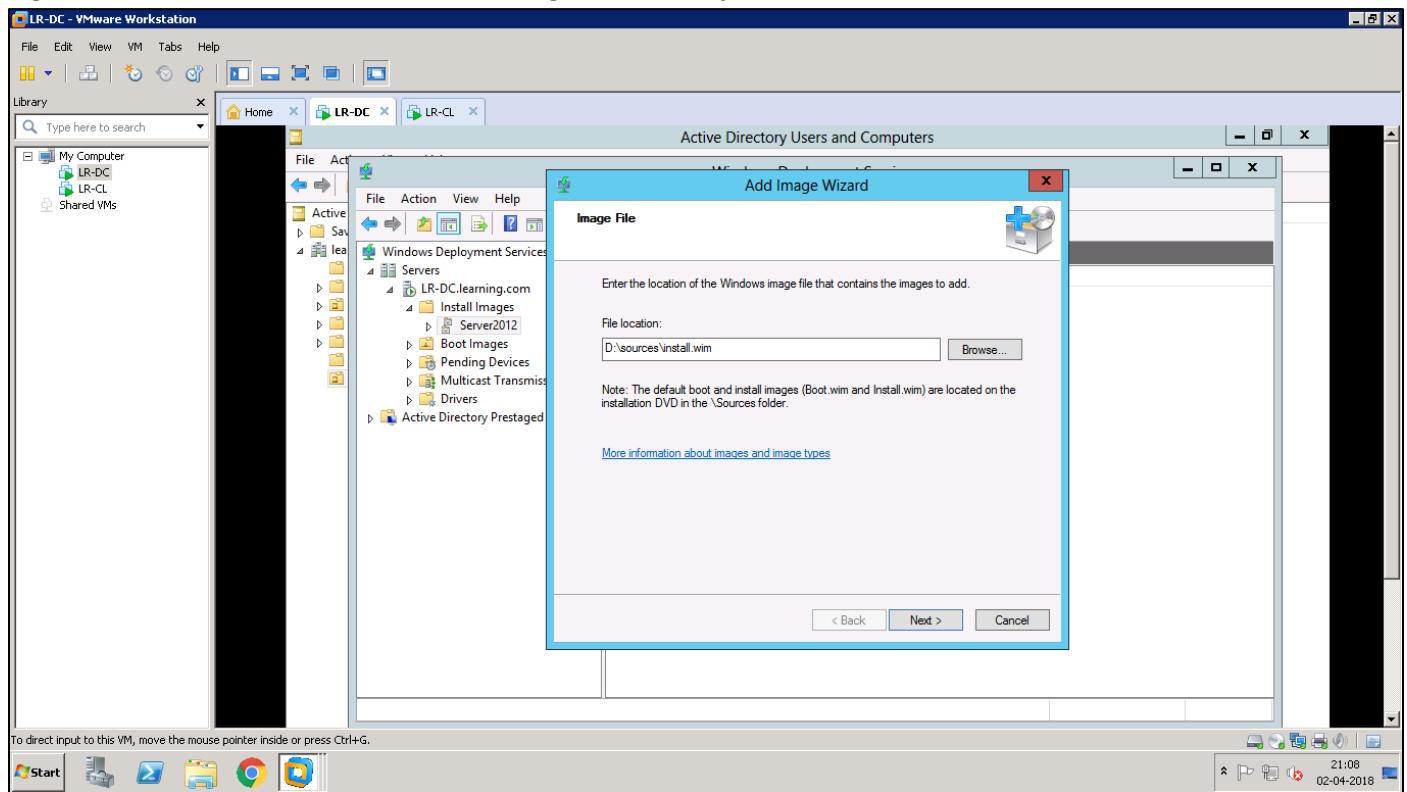


Go to WDS Services:

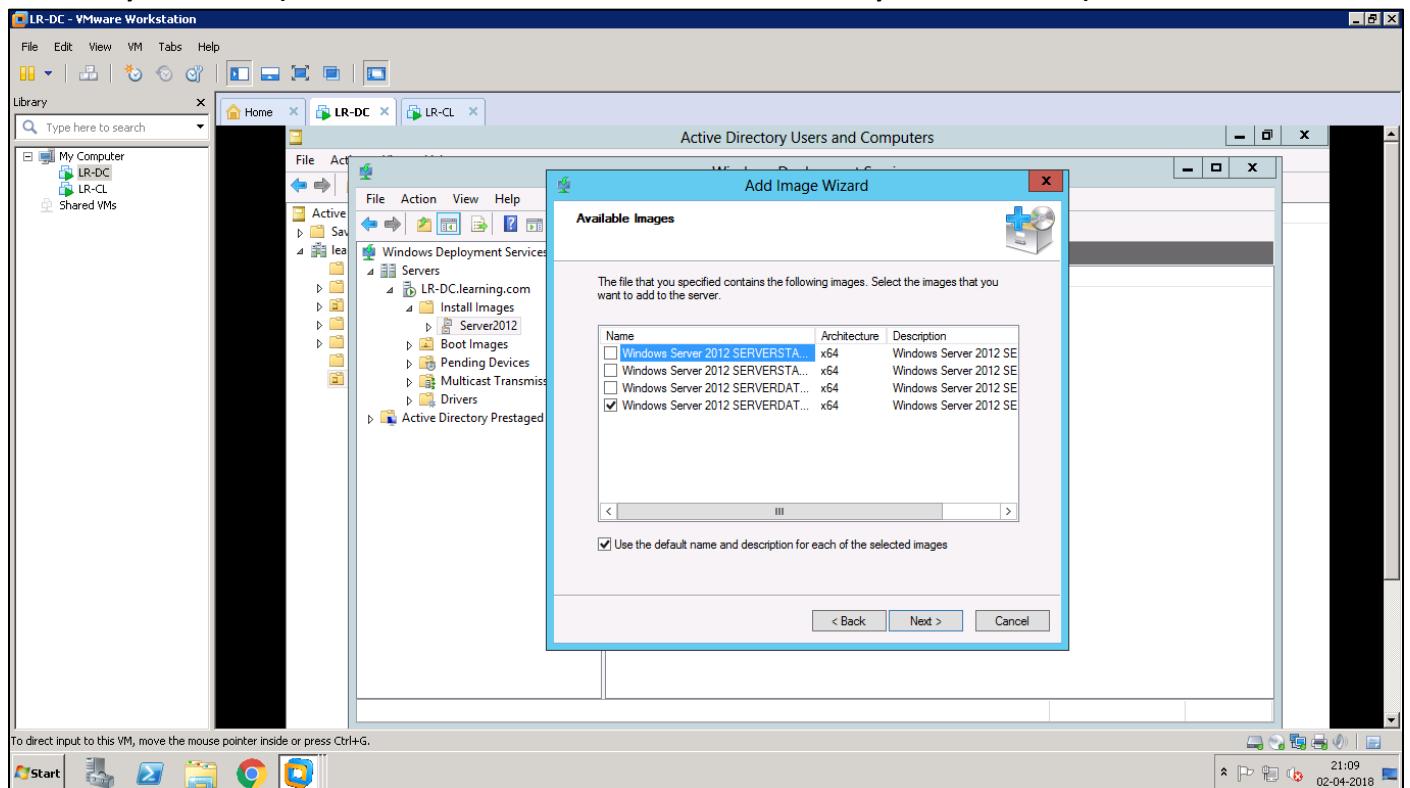
Expand 'LR-DC.learning.com' – Right Click on 'Install Image' – 'Add install group':



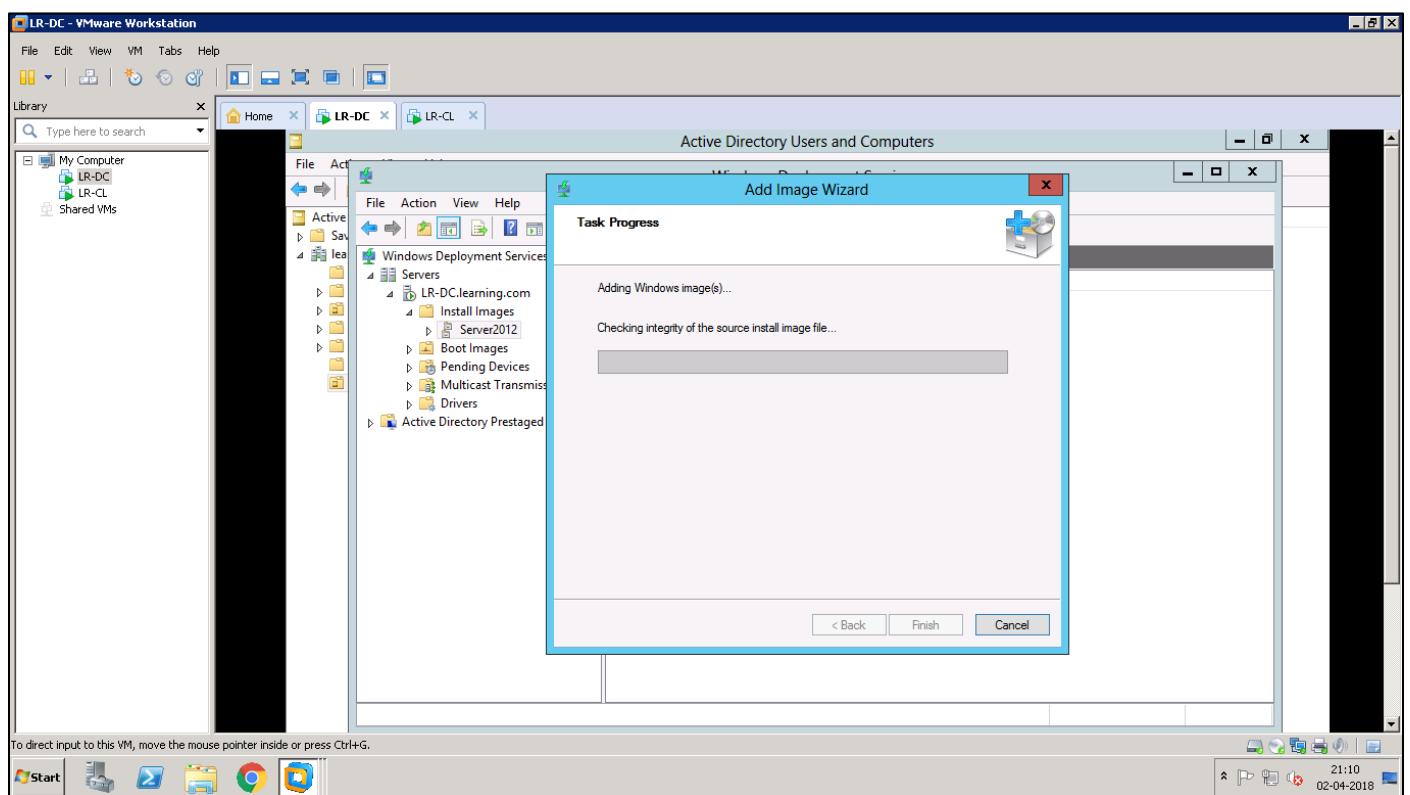
Right Click on 'Server2012' – 'Add install image' – Give the path of 'install.wim':



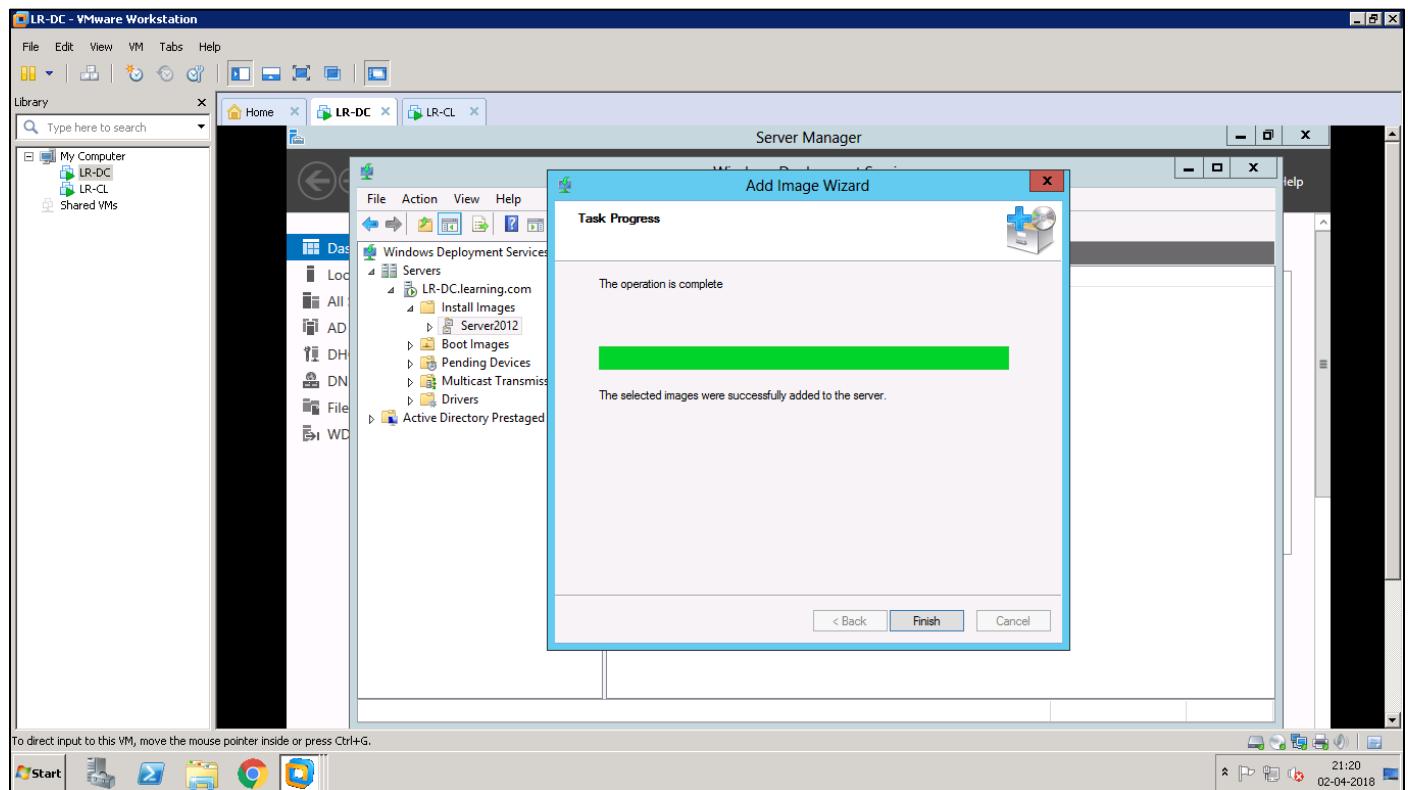
Select only 4th Service (All 4 services can be selected but installation may take more time):



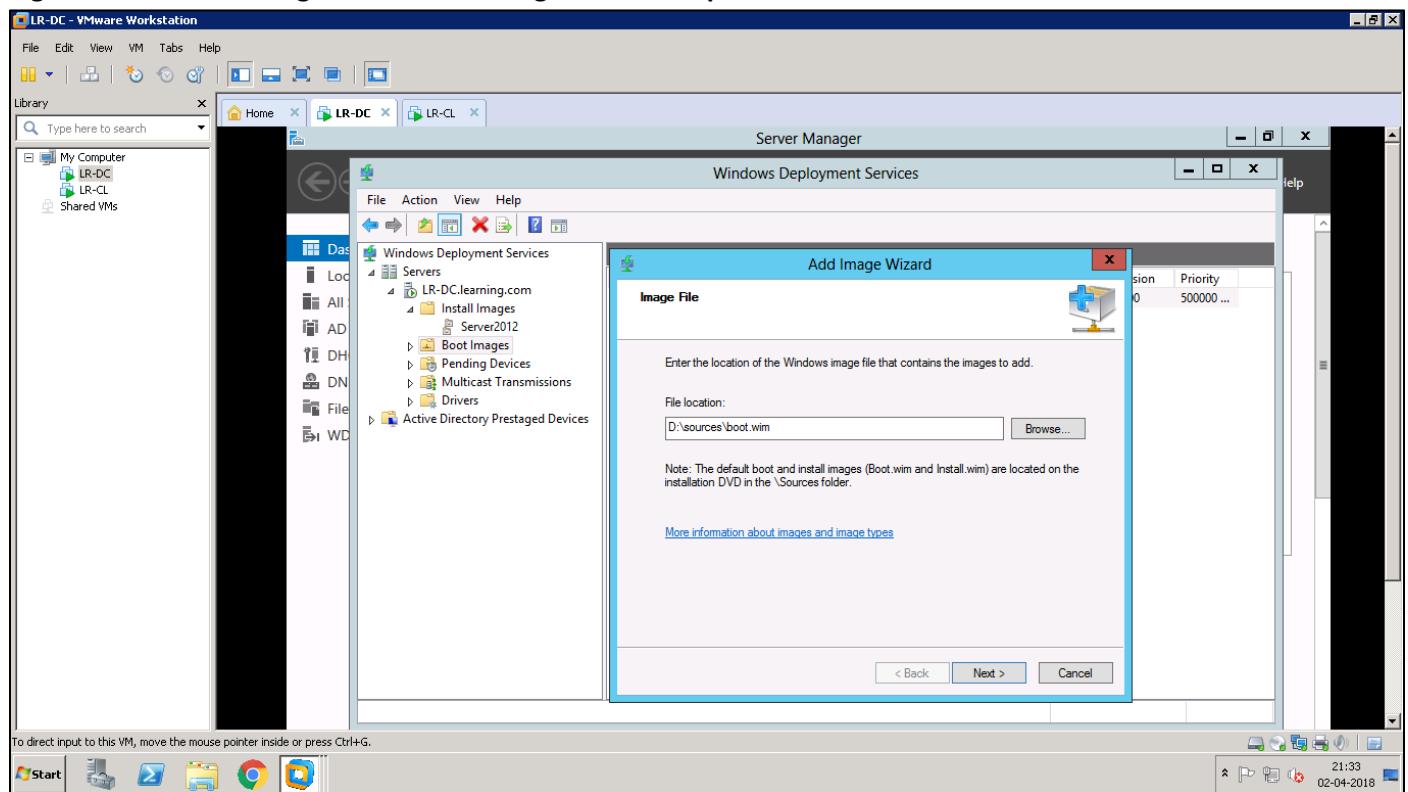
Installation Started:

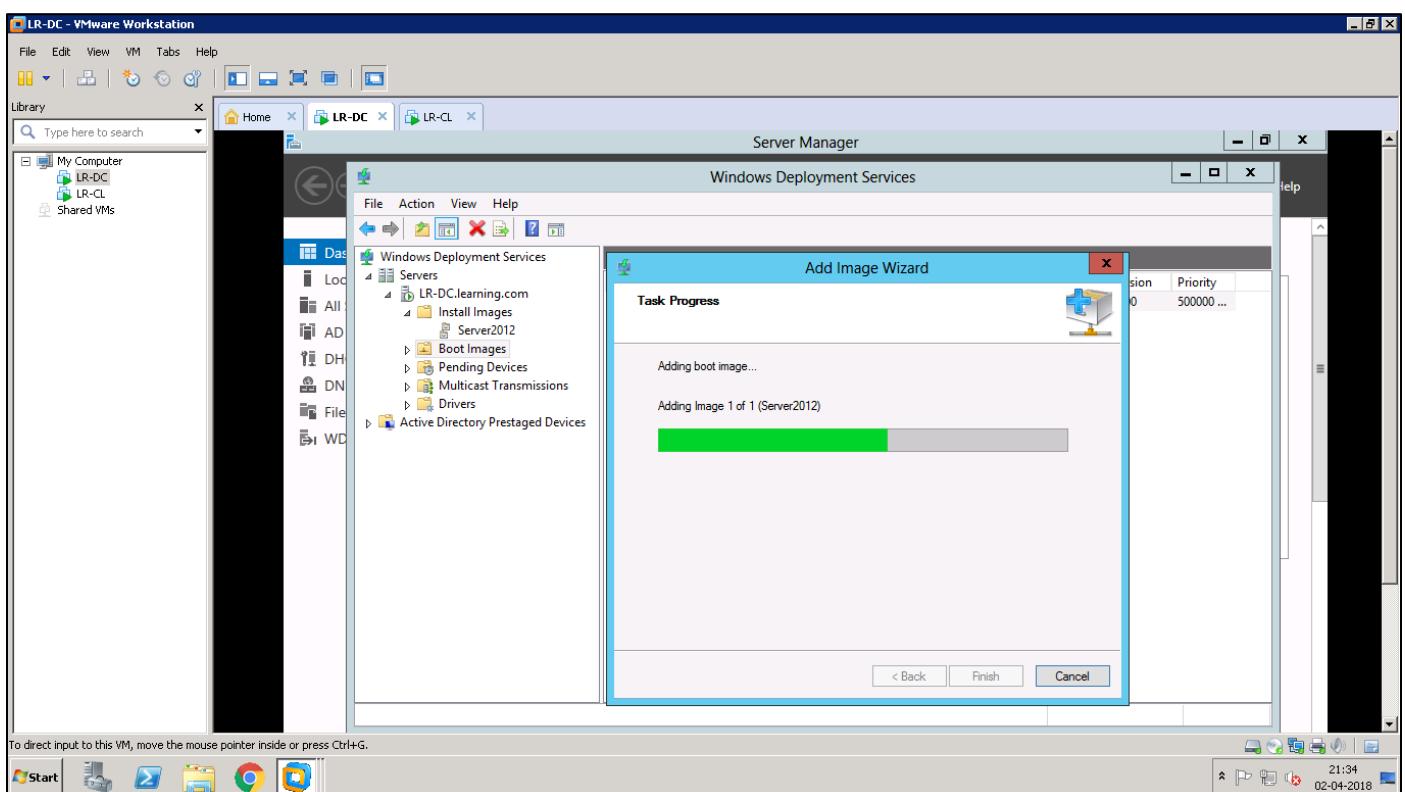
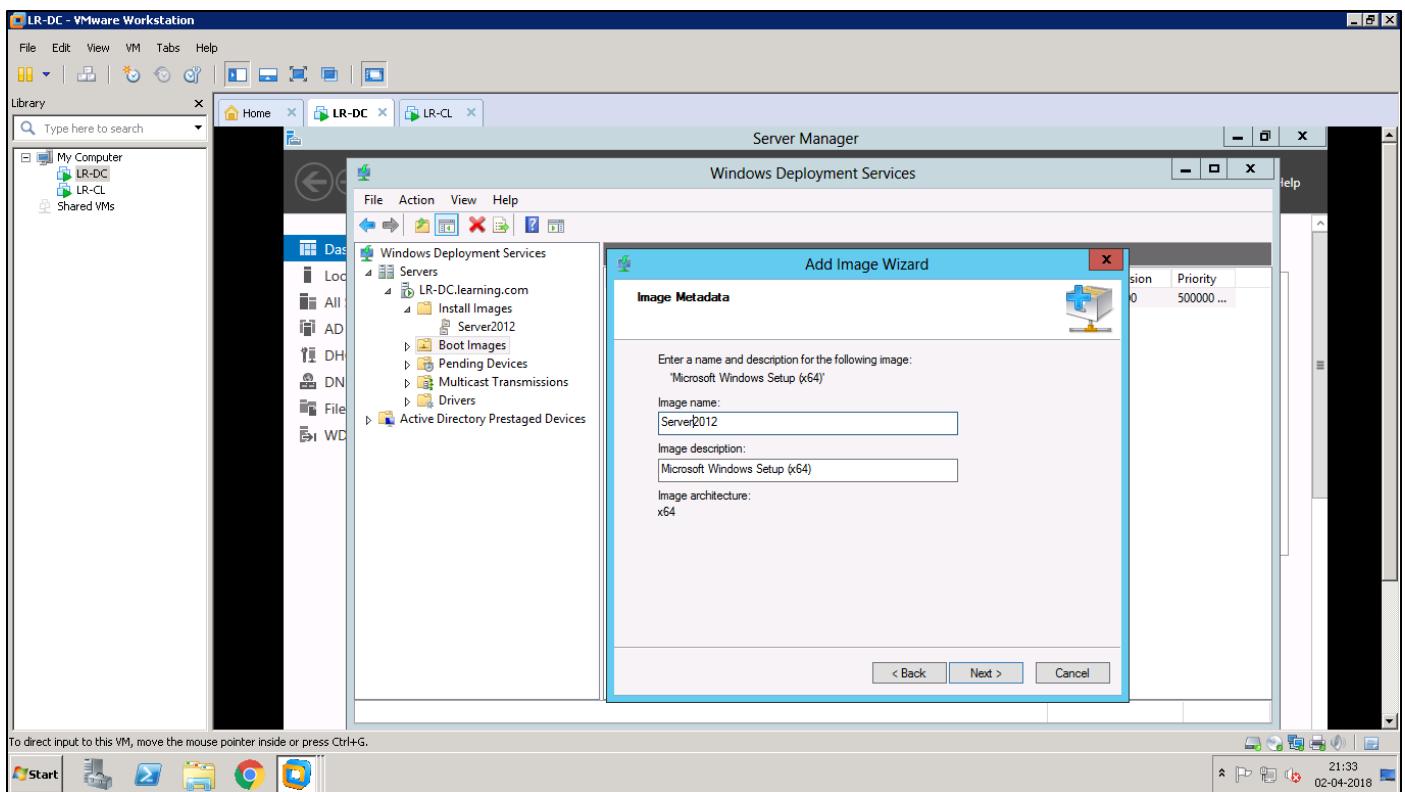


Post Installation:

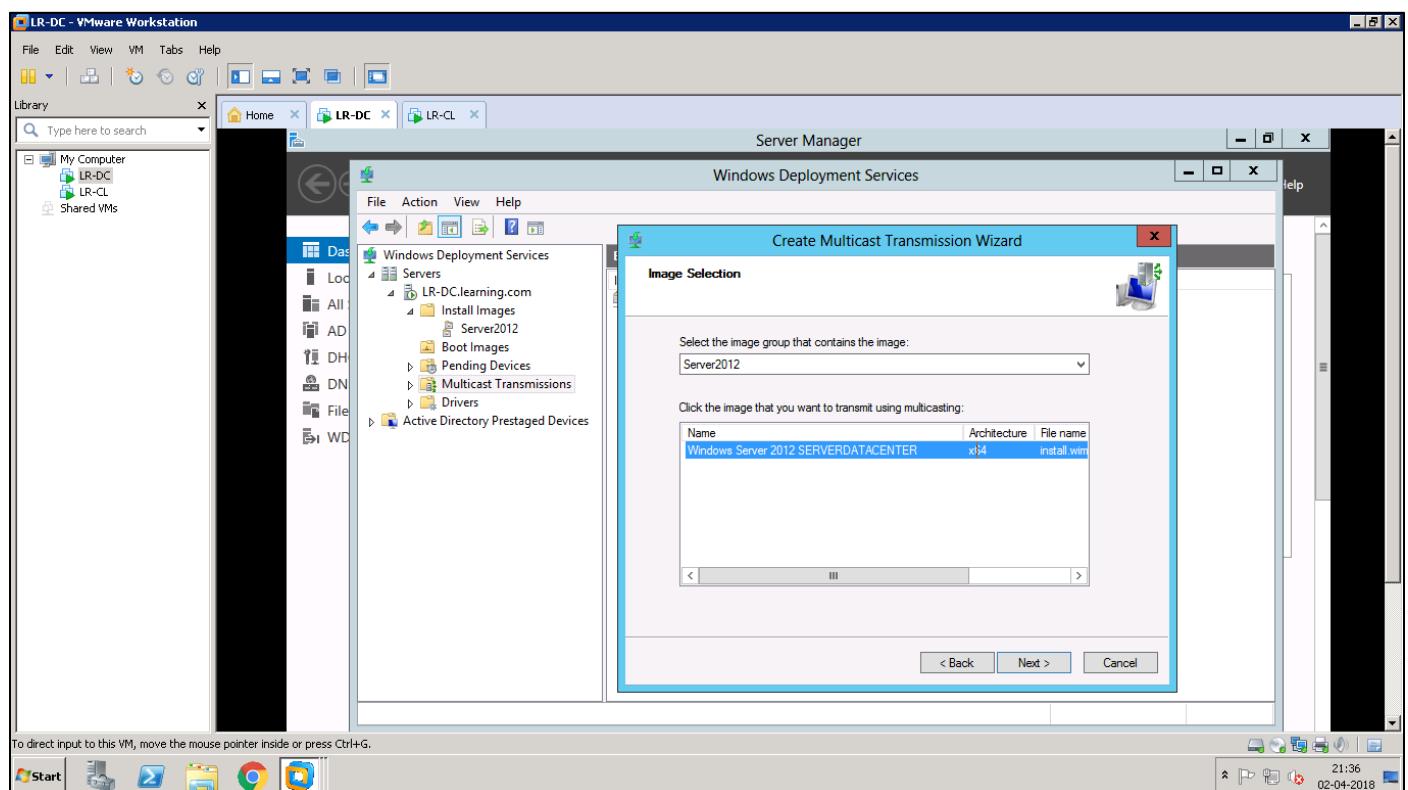
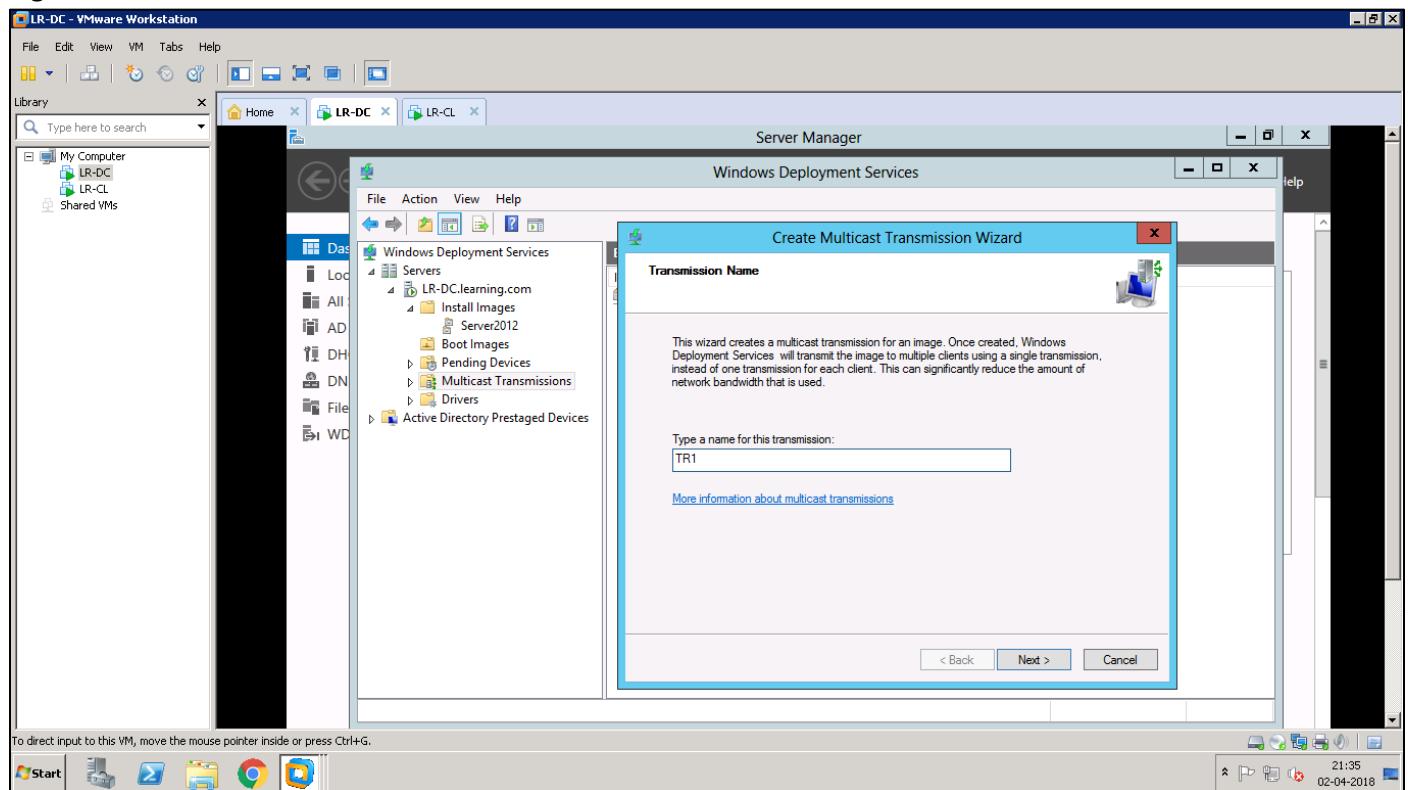


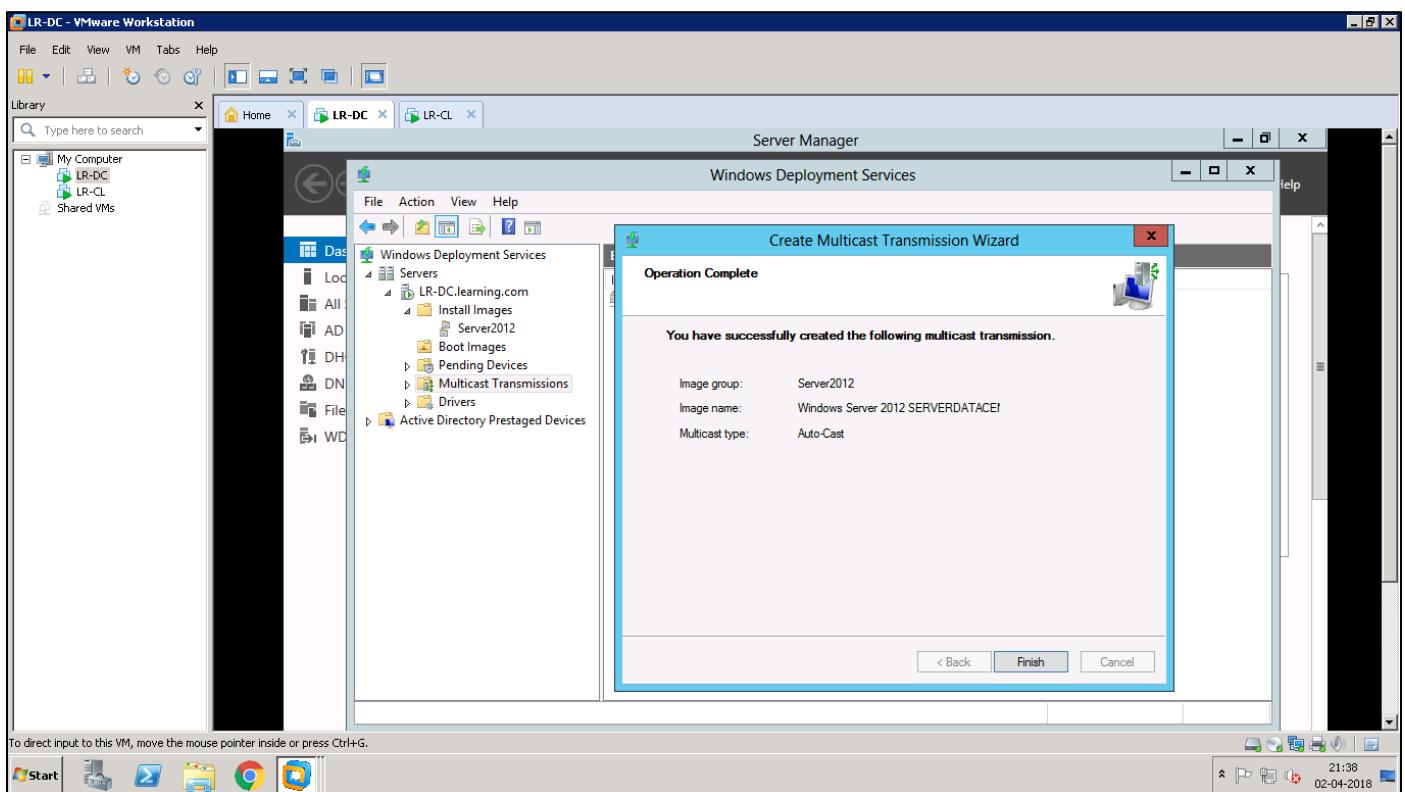
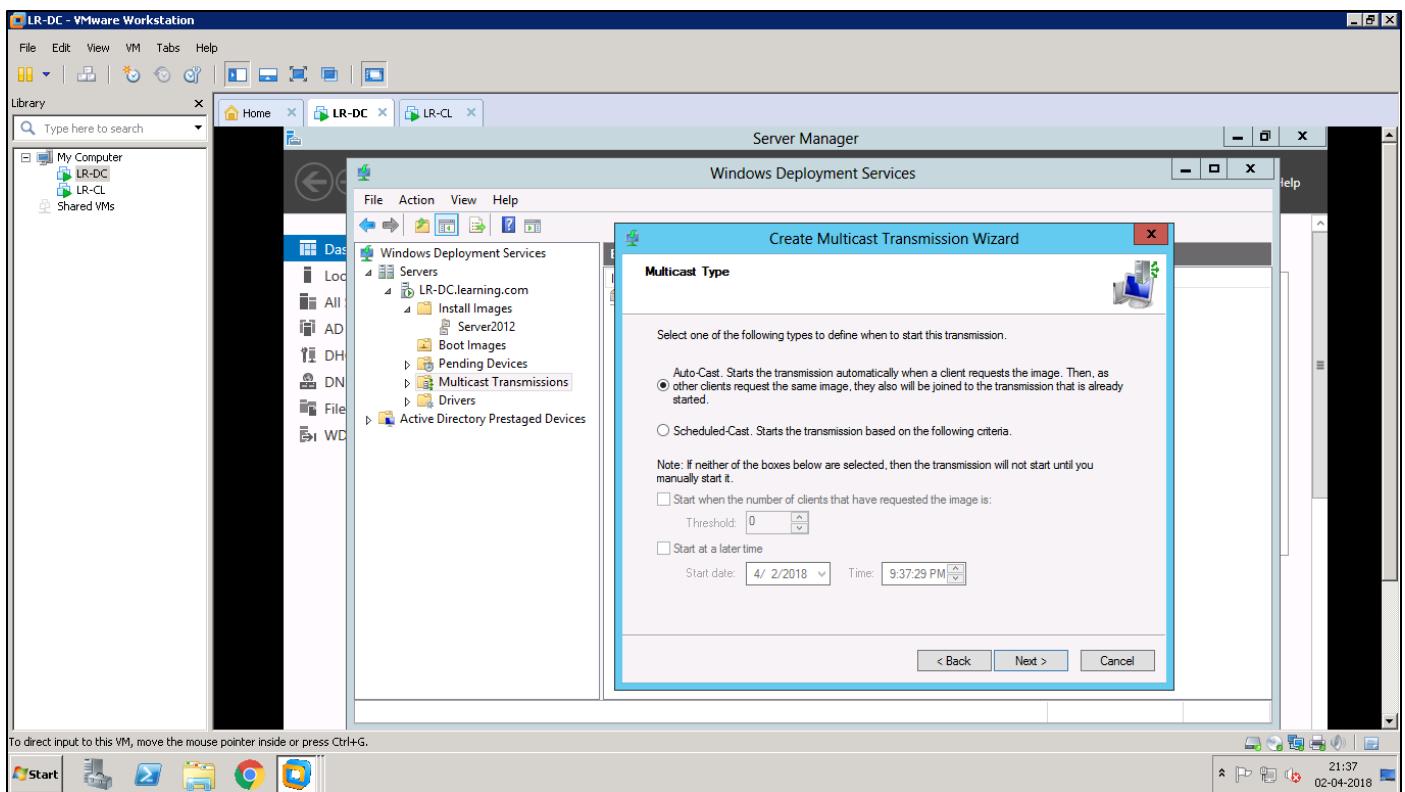
Right Click on 'Boot Image' – 'Add boot image' – Give the path of 'boot.wim':





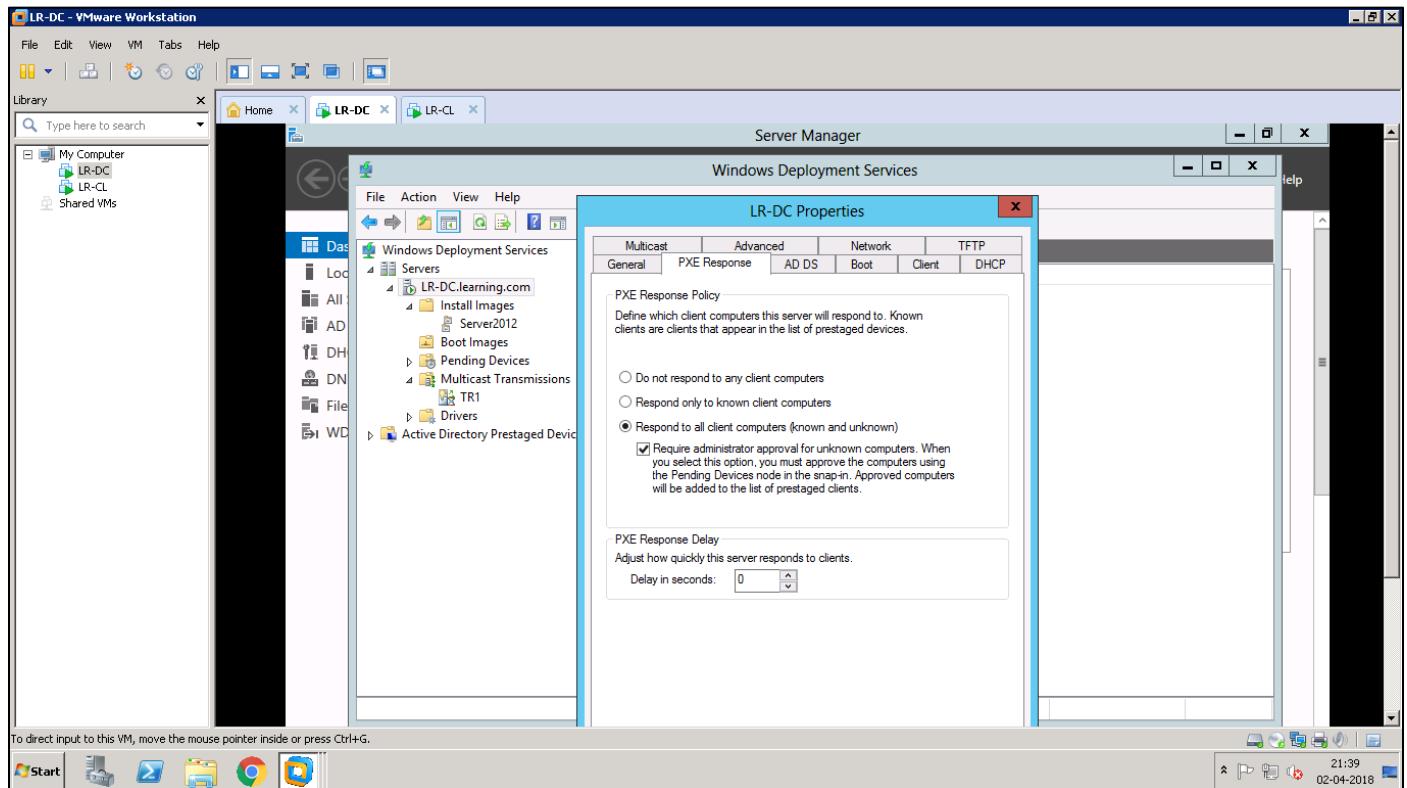
Right click 'Multicast Transmission' – 'Create Transmission' – Name it 'TR1':



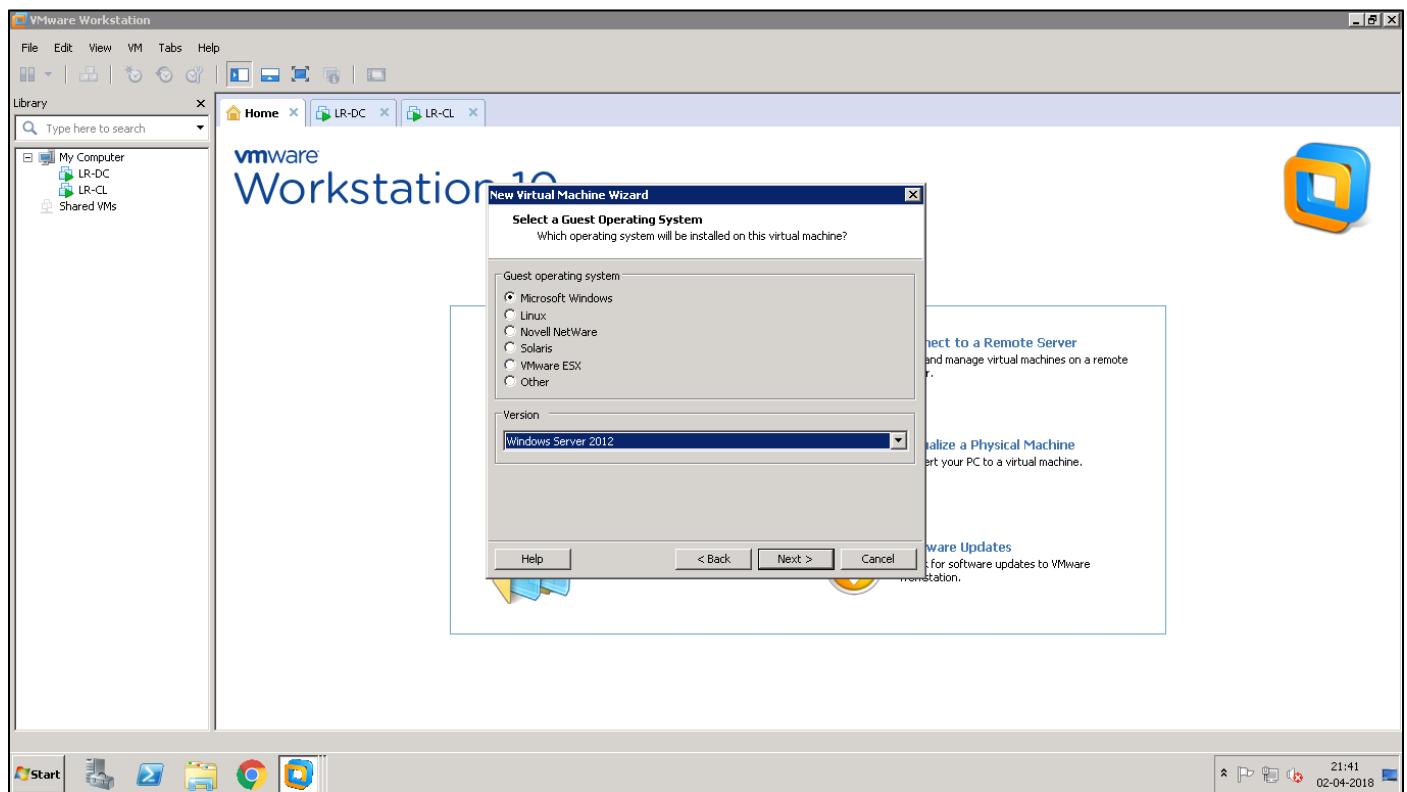


'Finish' – 'Refresh' Multicast Transmission.

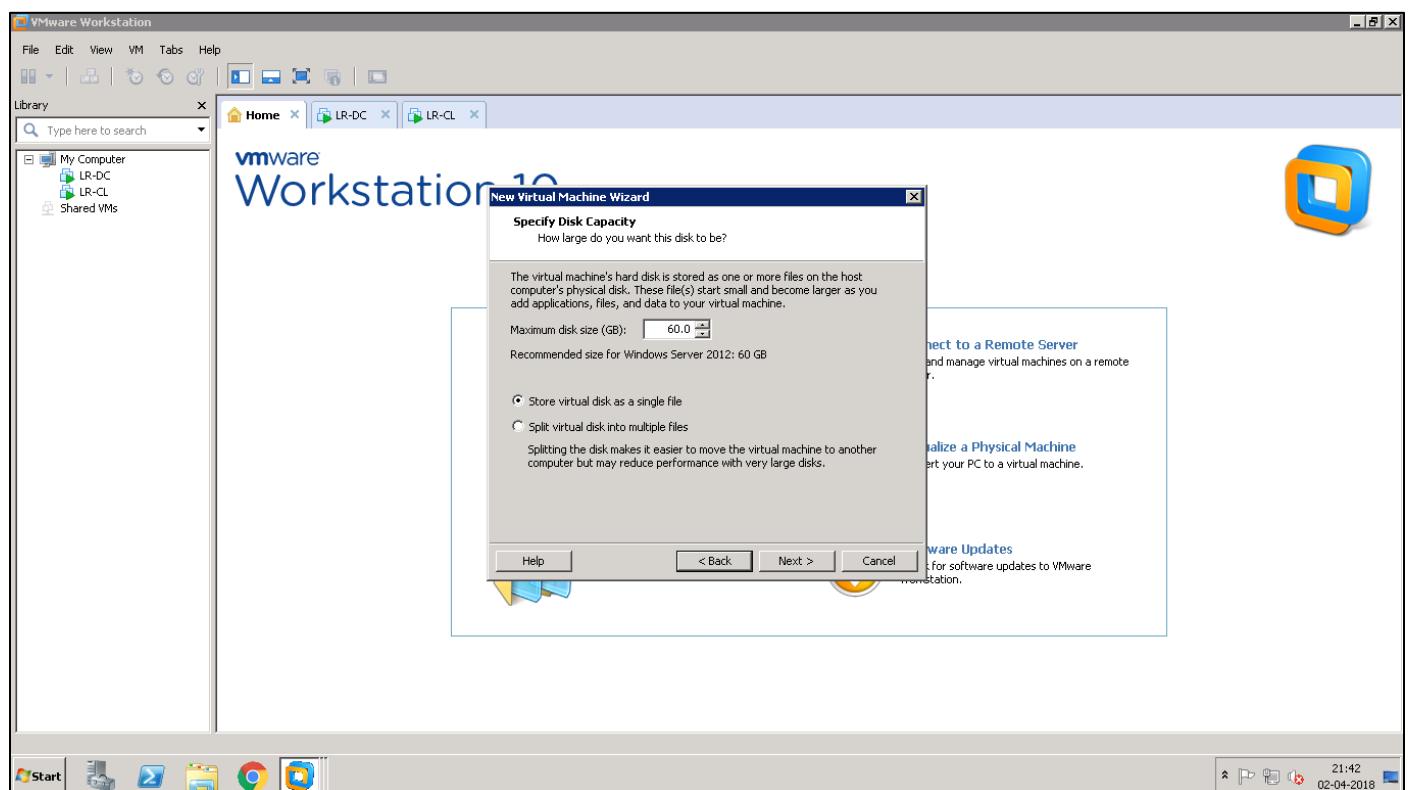
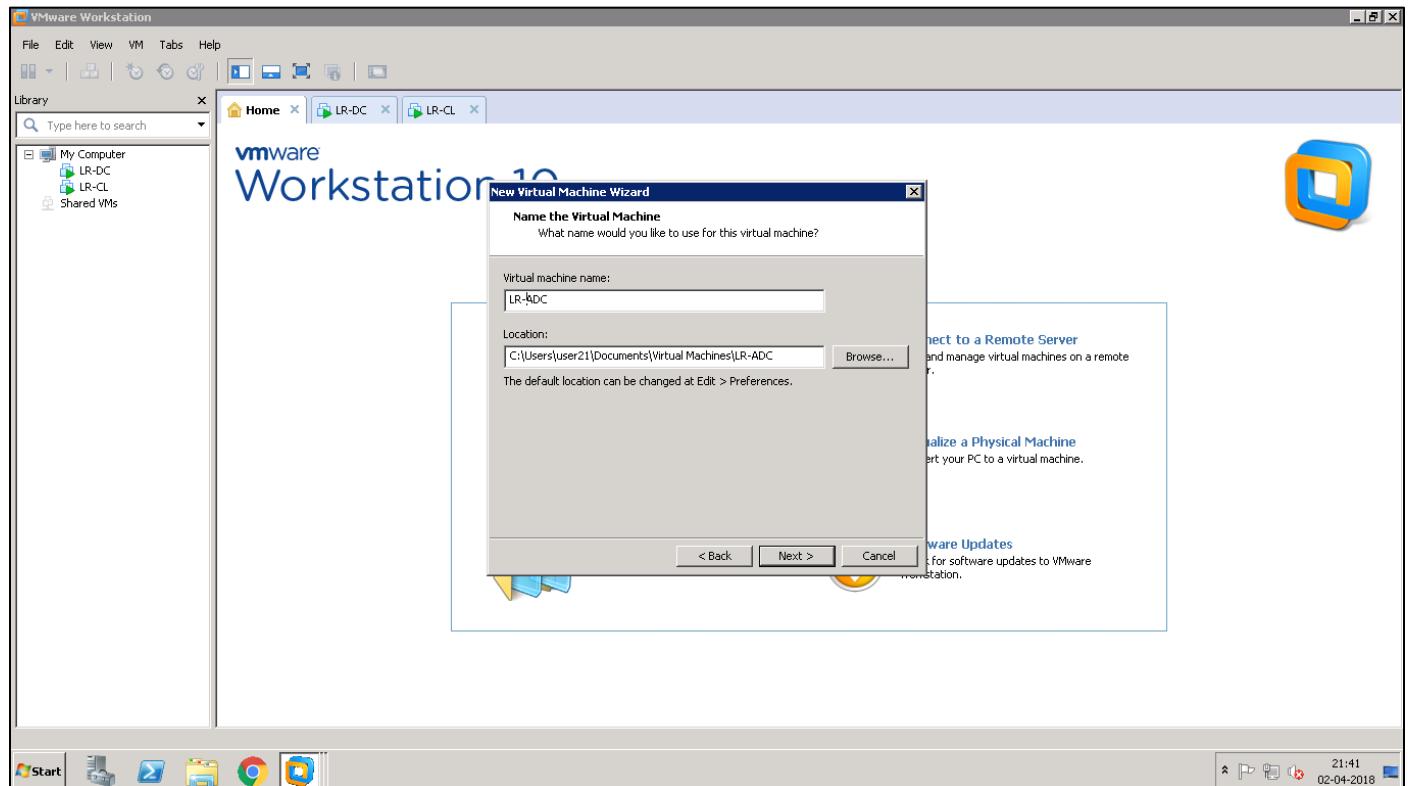
Changing properties of 'LR-DC.learning.com':



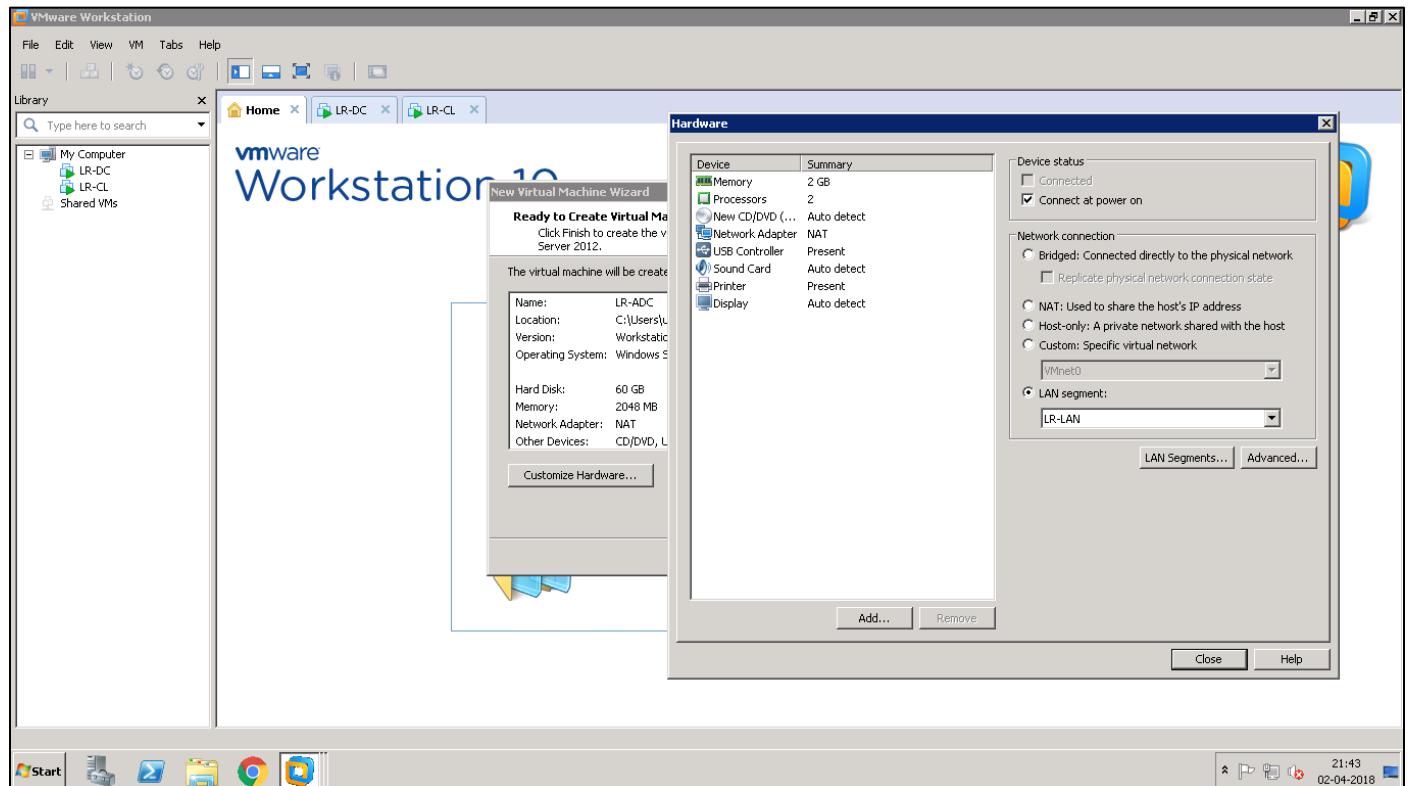
Create new virtual machine:



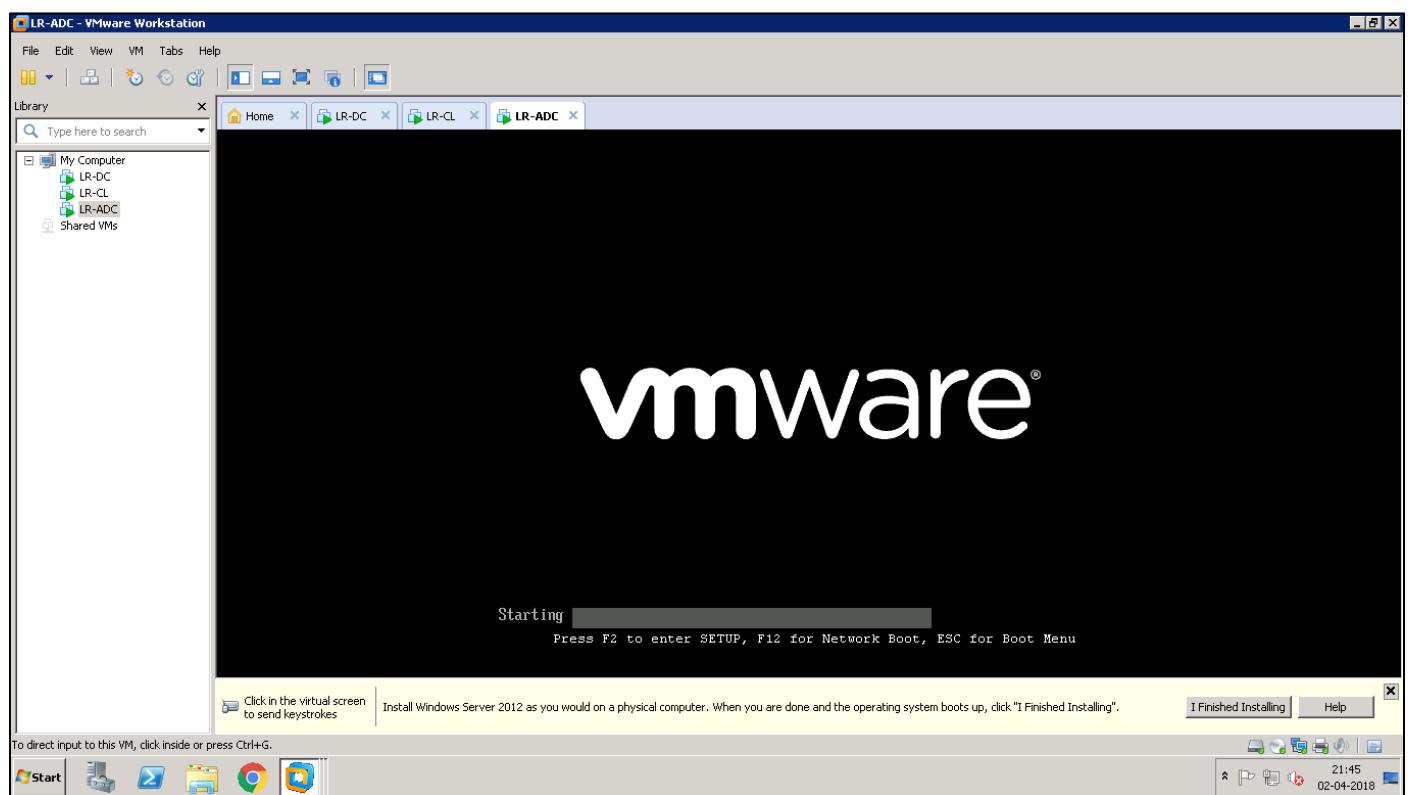
Name is 'LR-ADC':

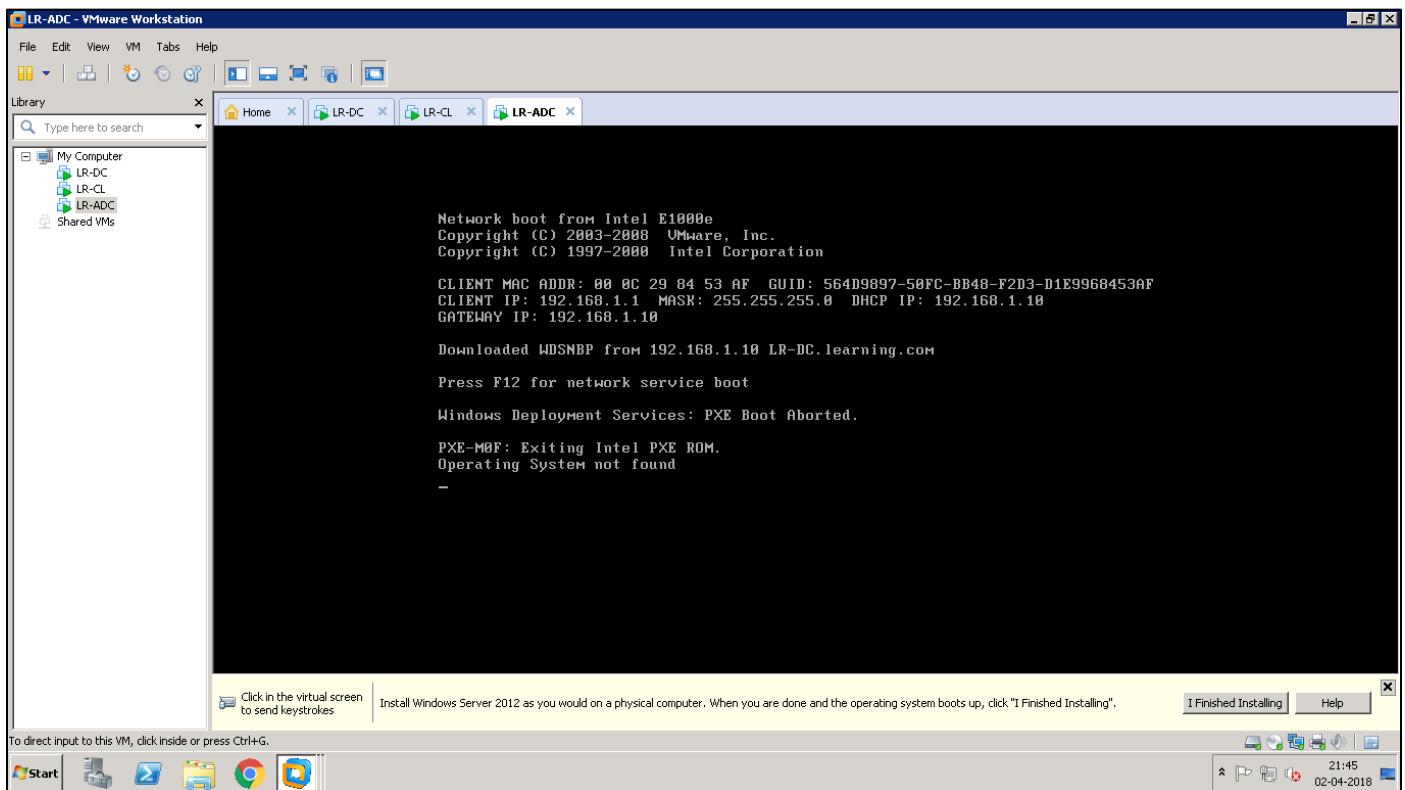


RAM = 2GB Processor = 2 cores LAN Segment = LR-LAN:

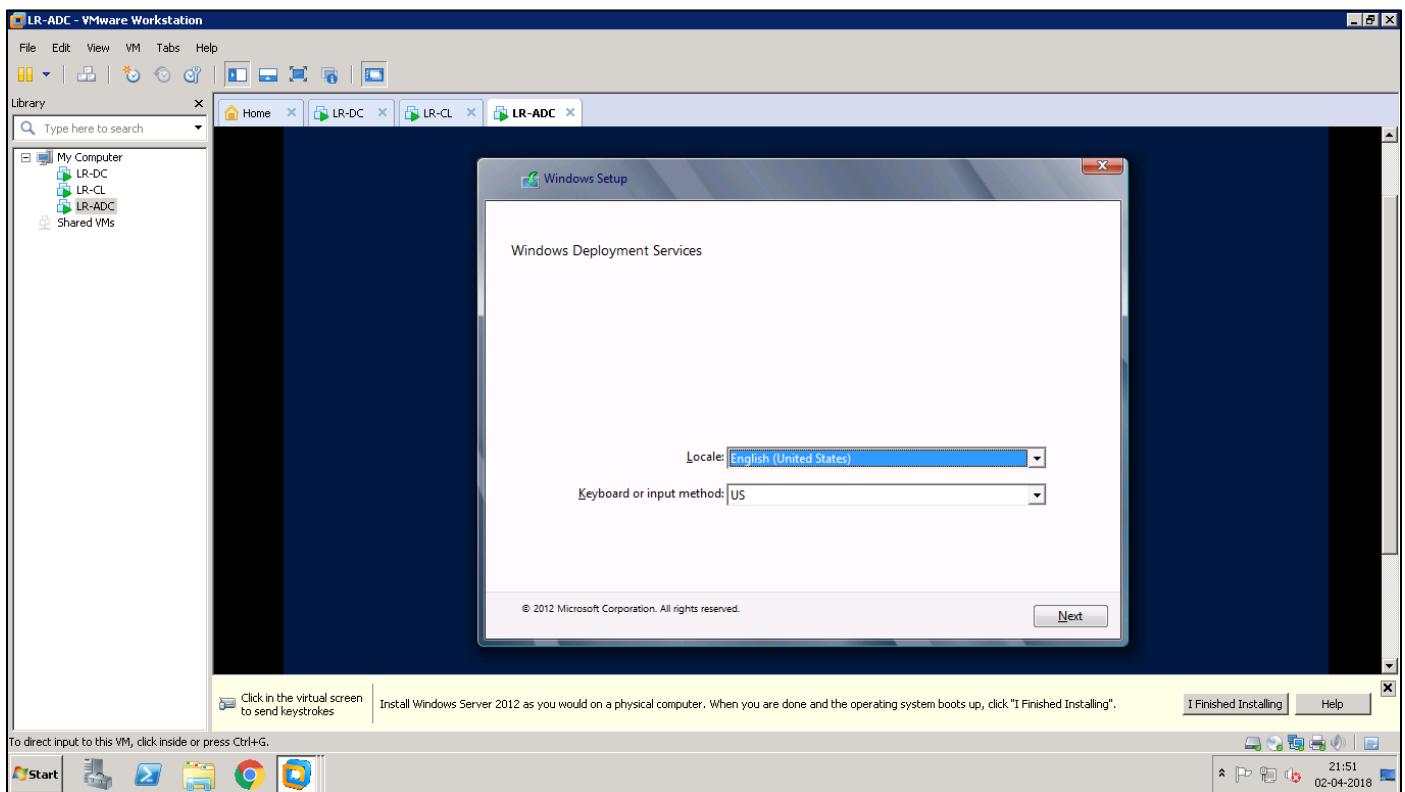


Power ON the machine:

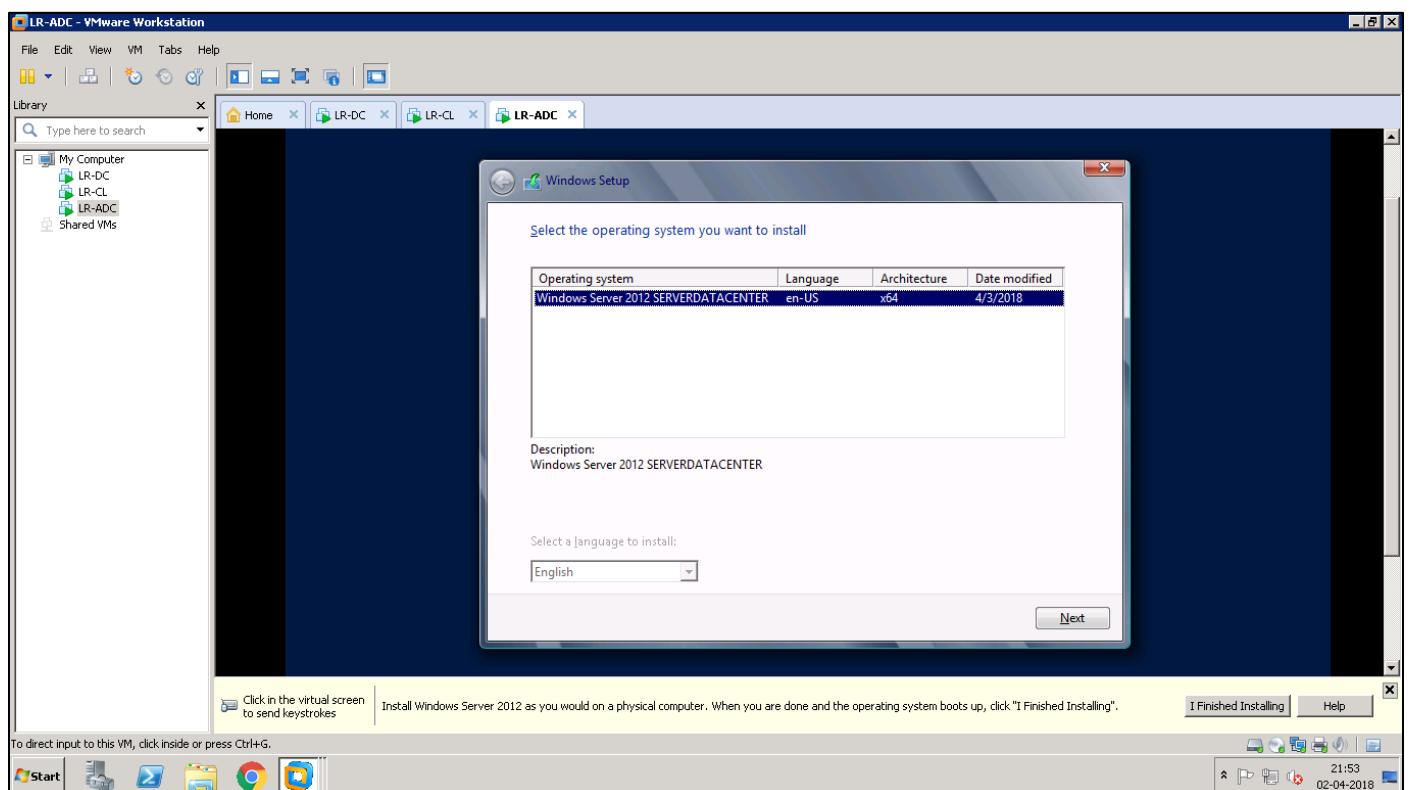
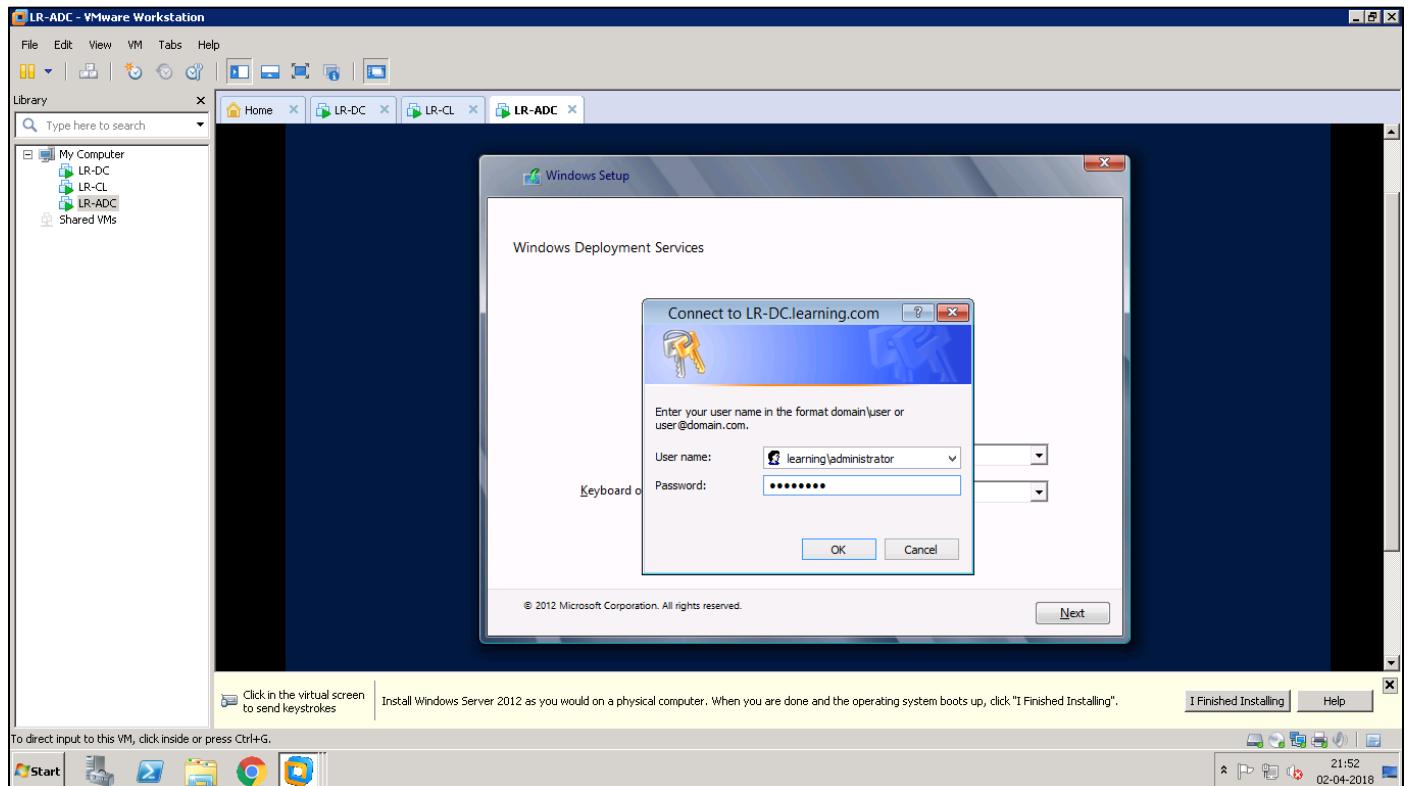


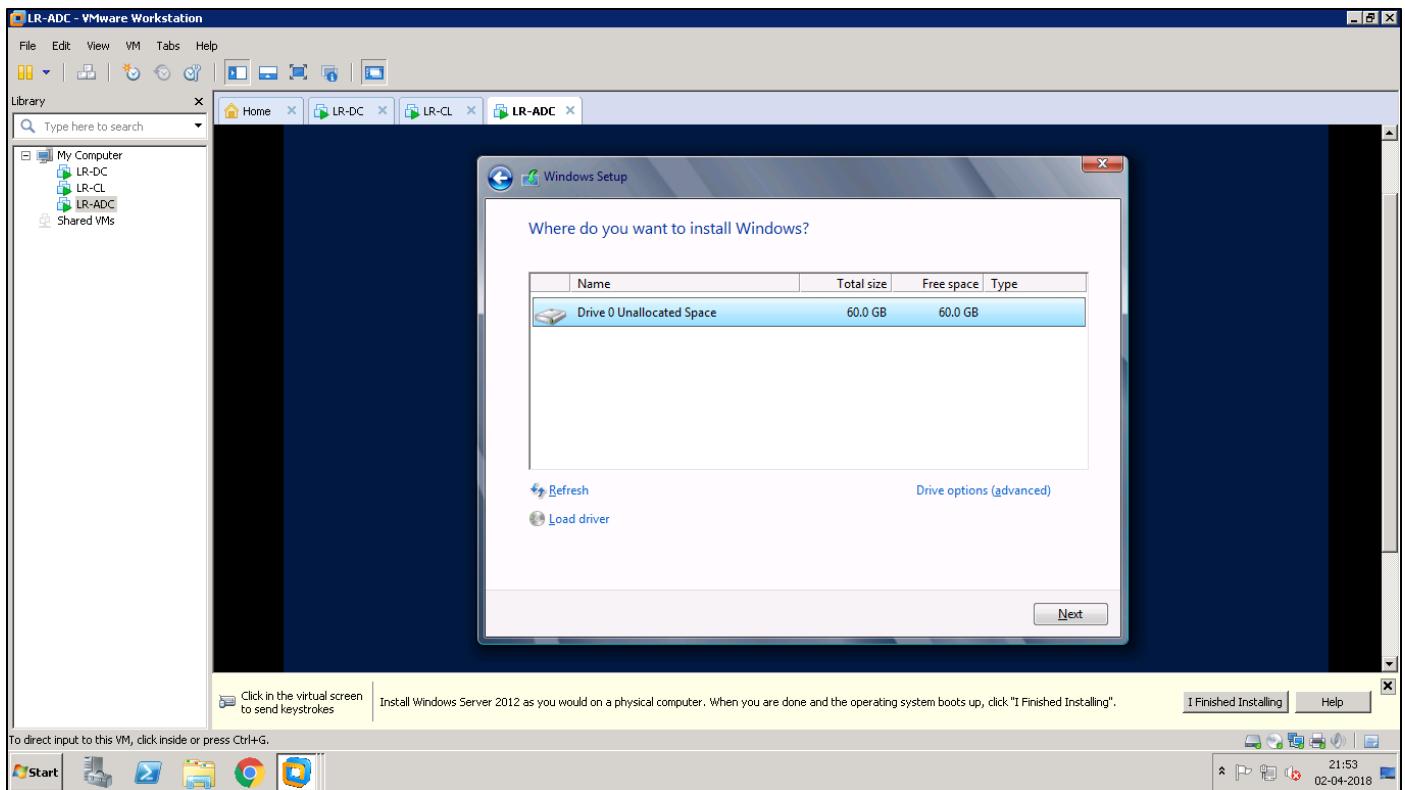


'Esc' and then 'F12':

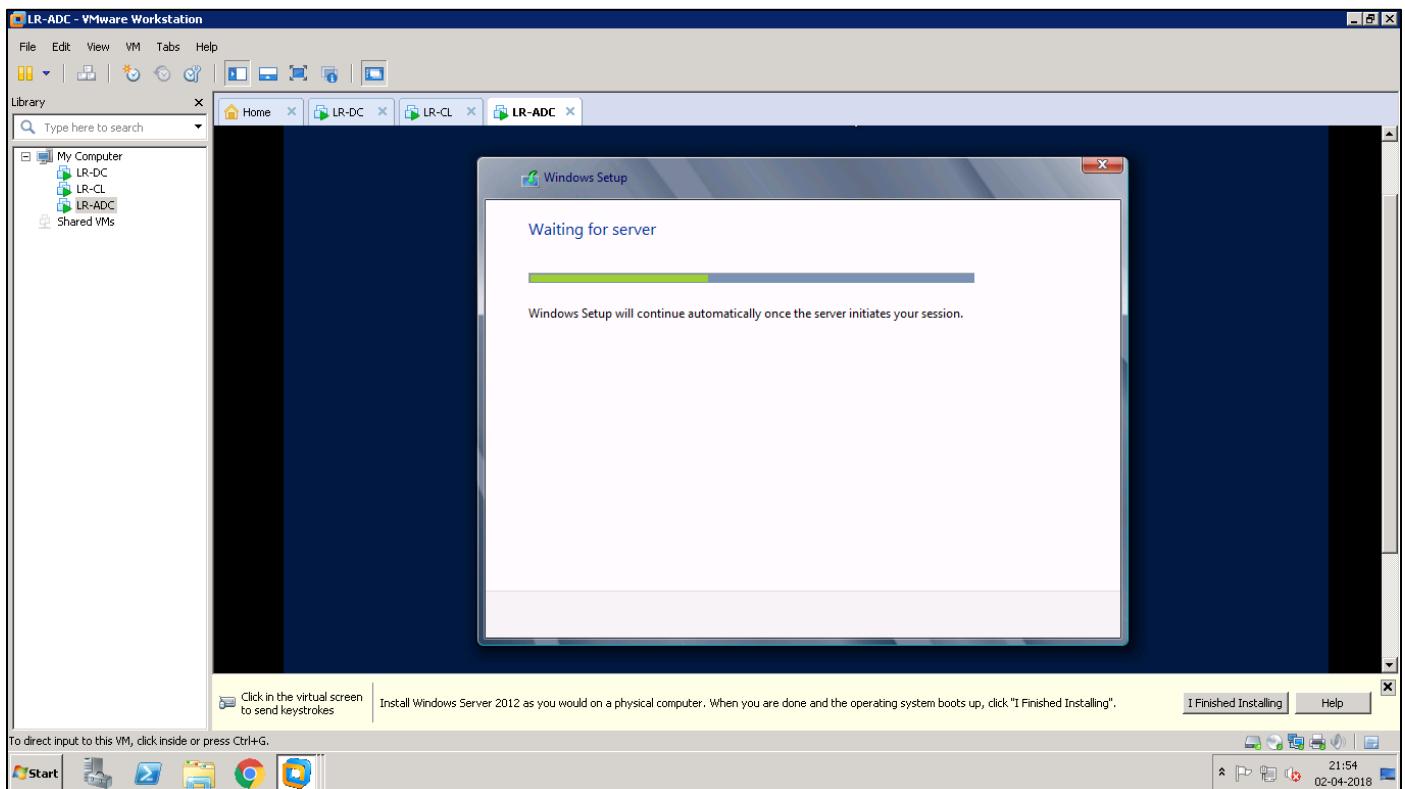


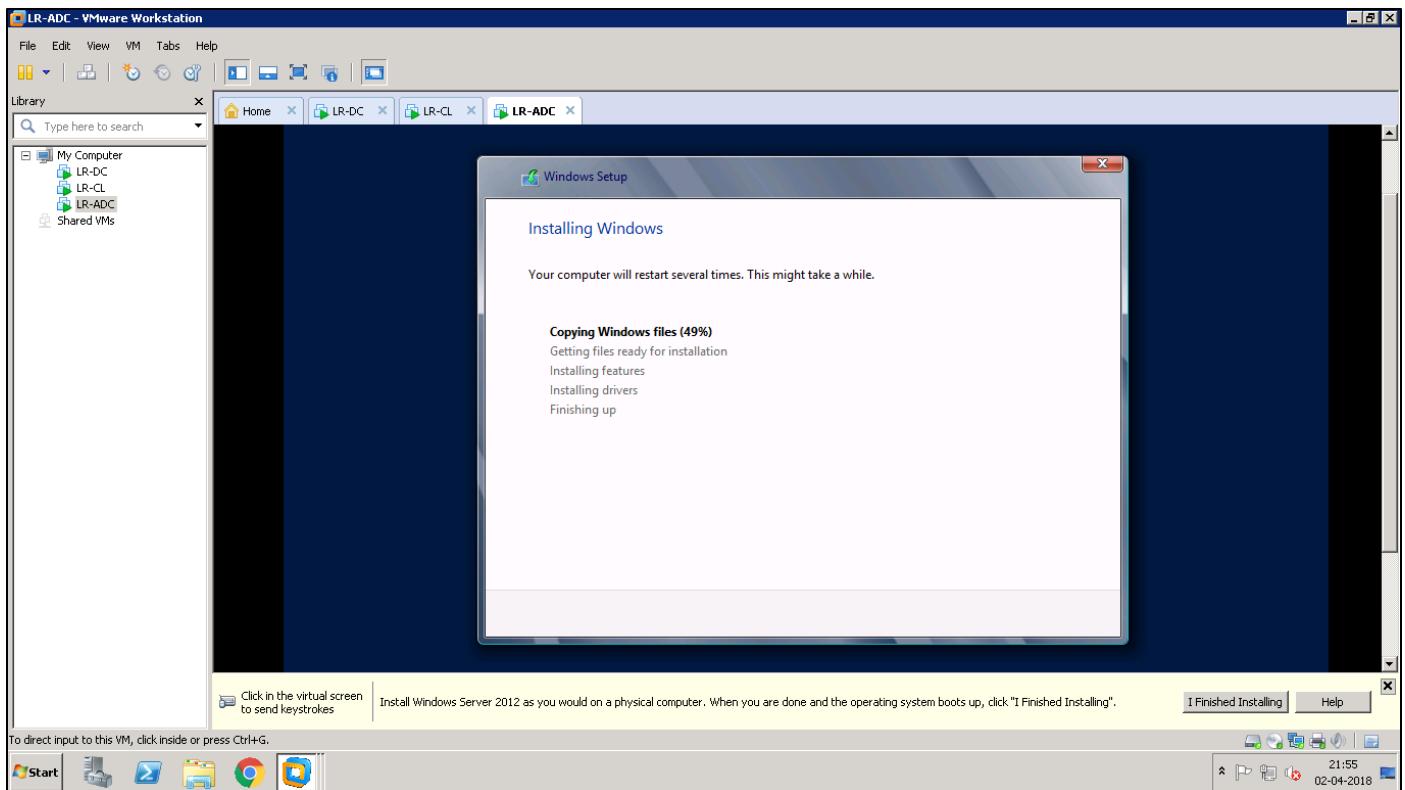
Giving administrator credentials:



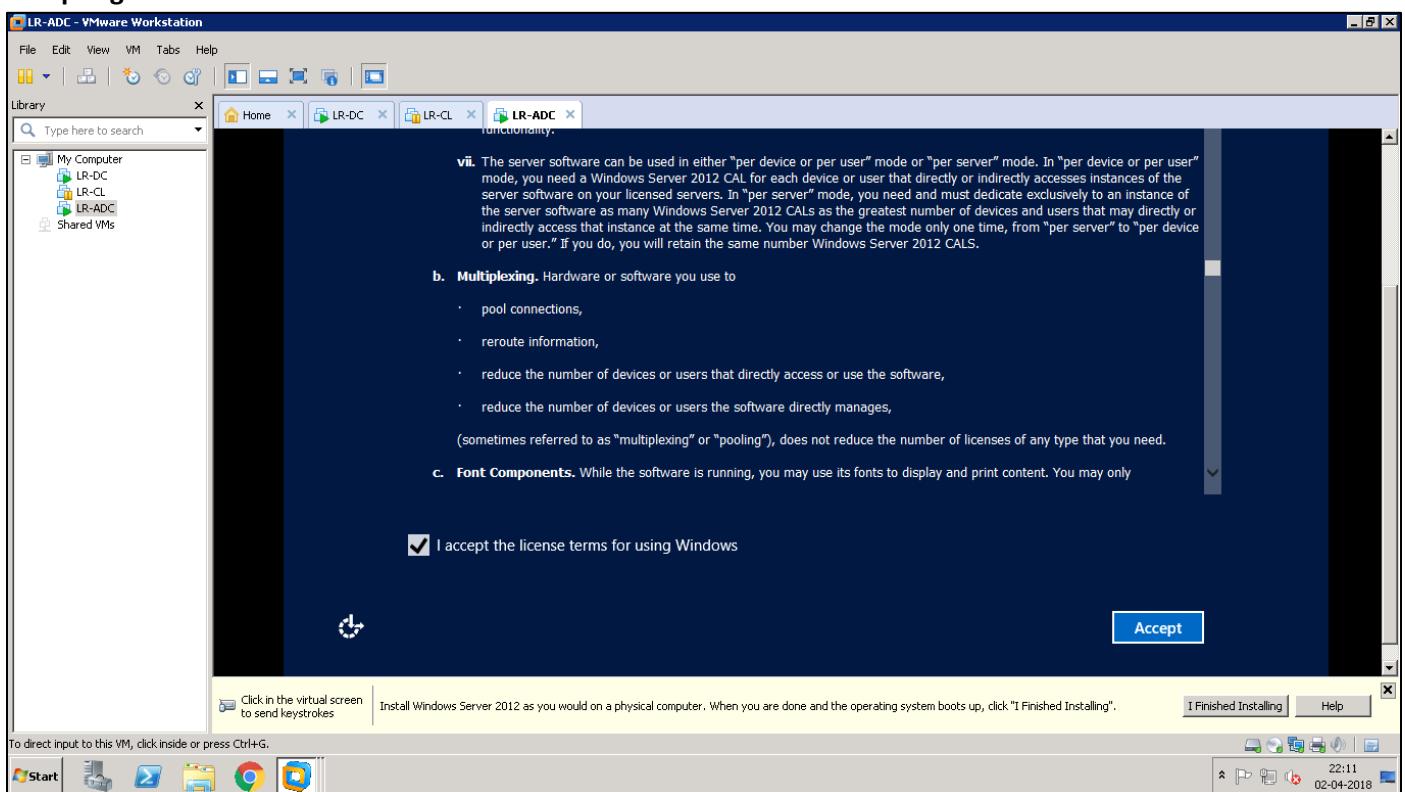


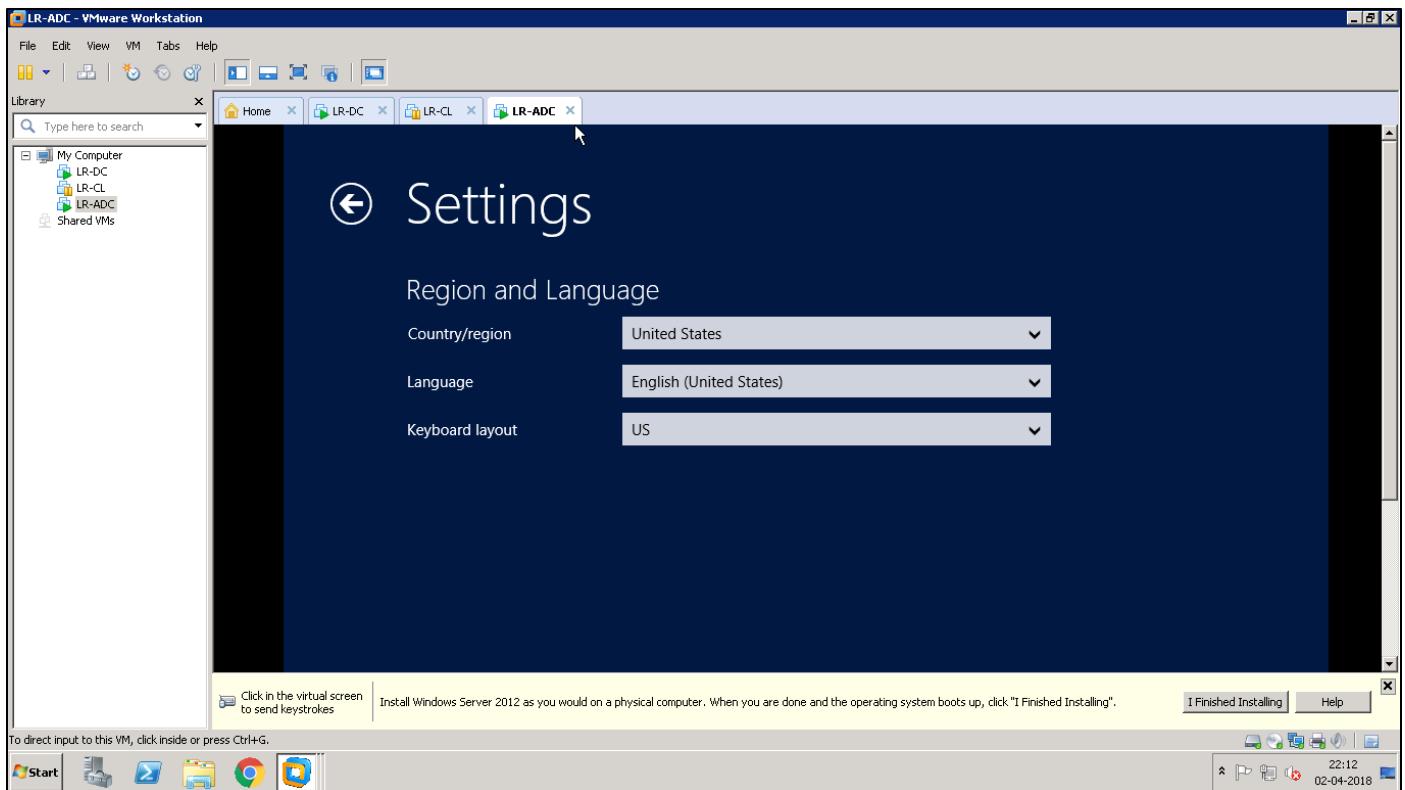
Windows Installation started:



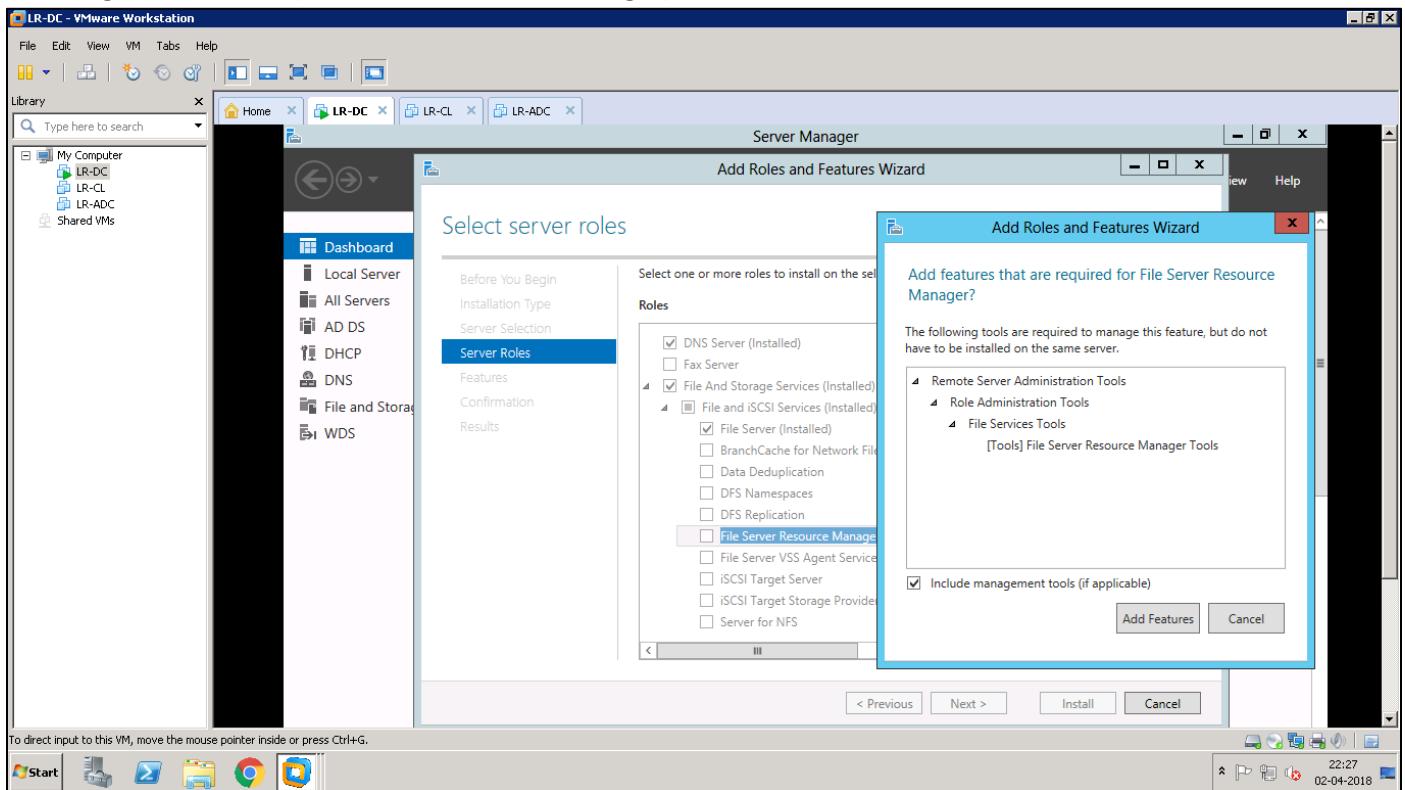


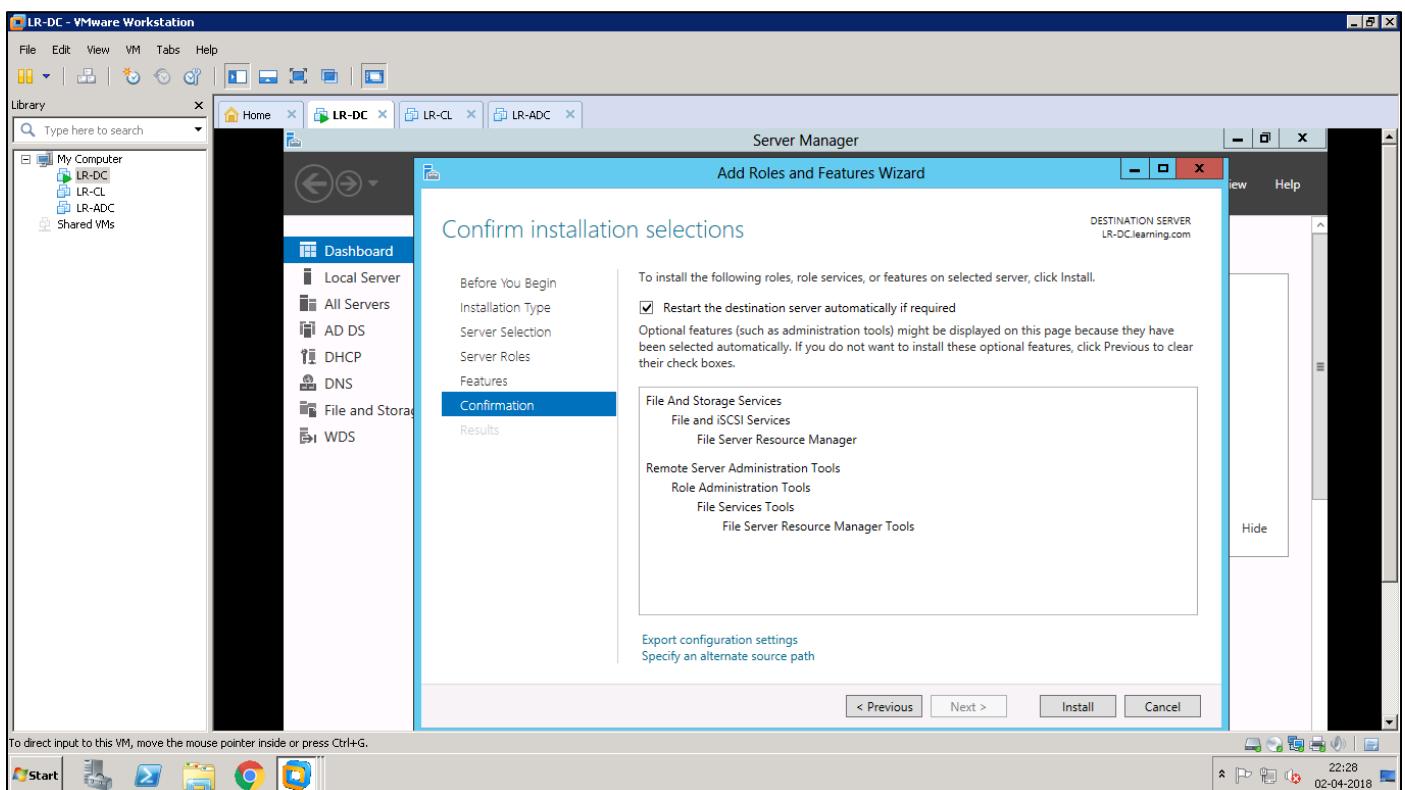
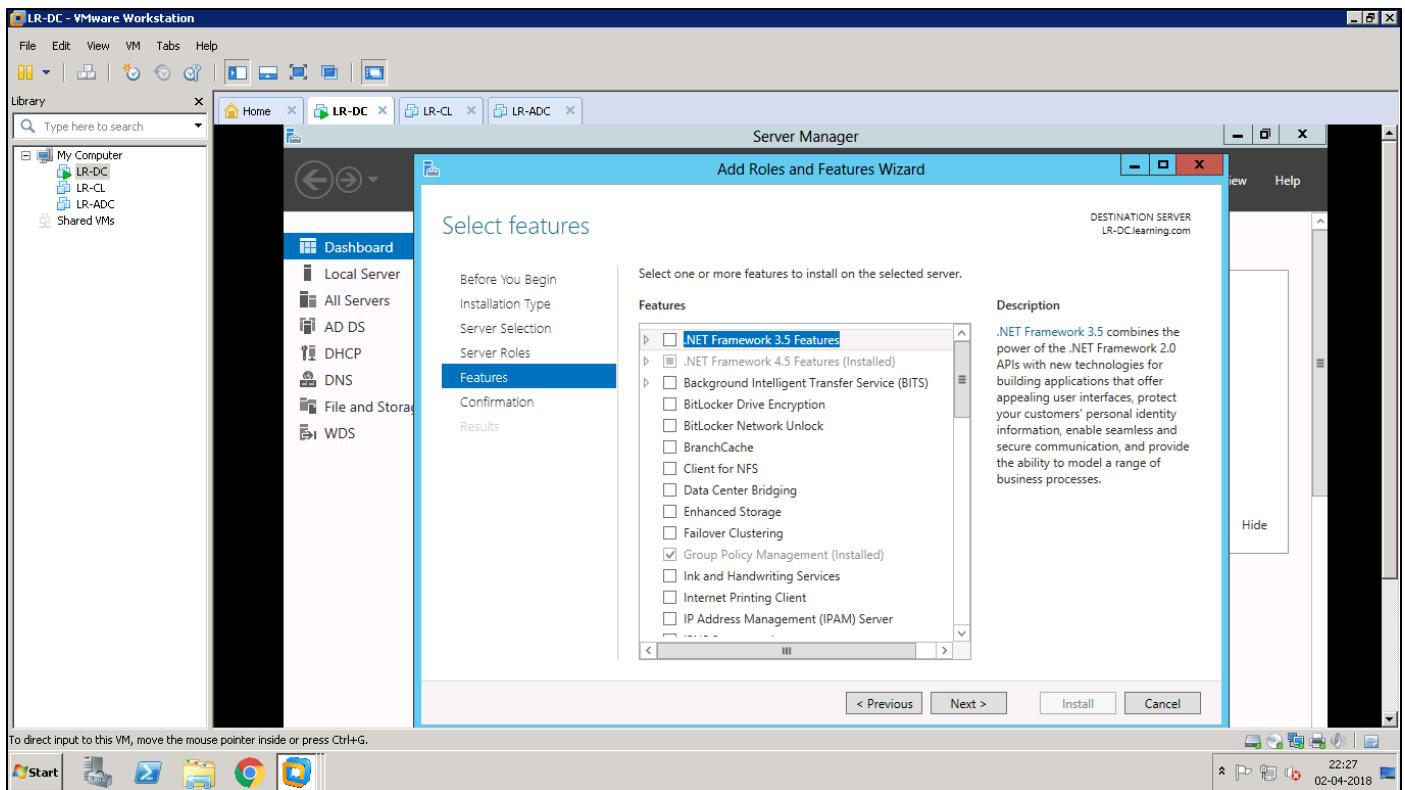
Accepting Licence:

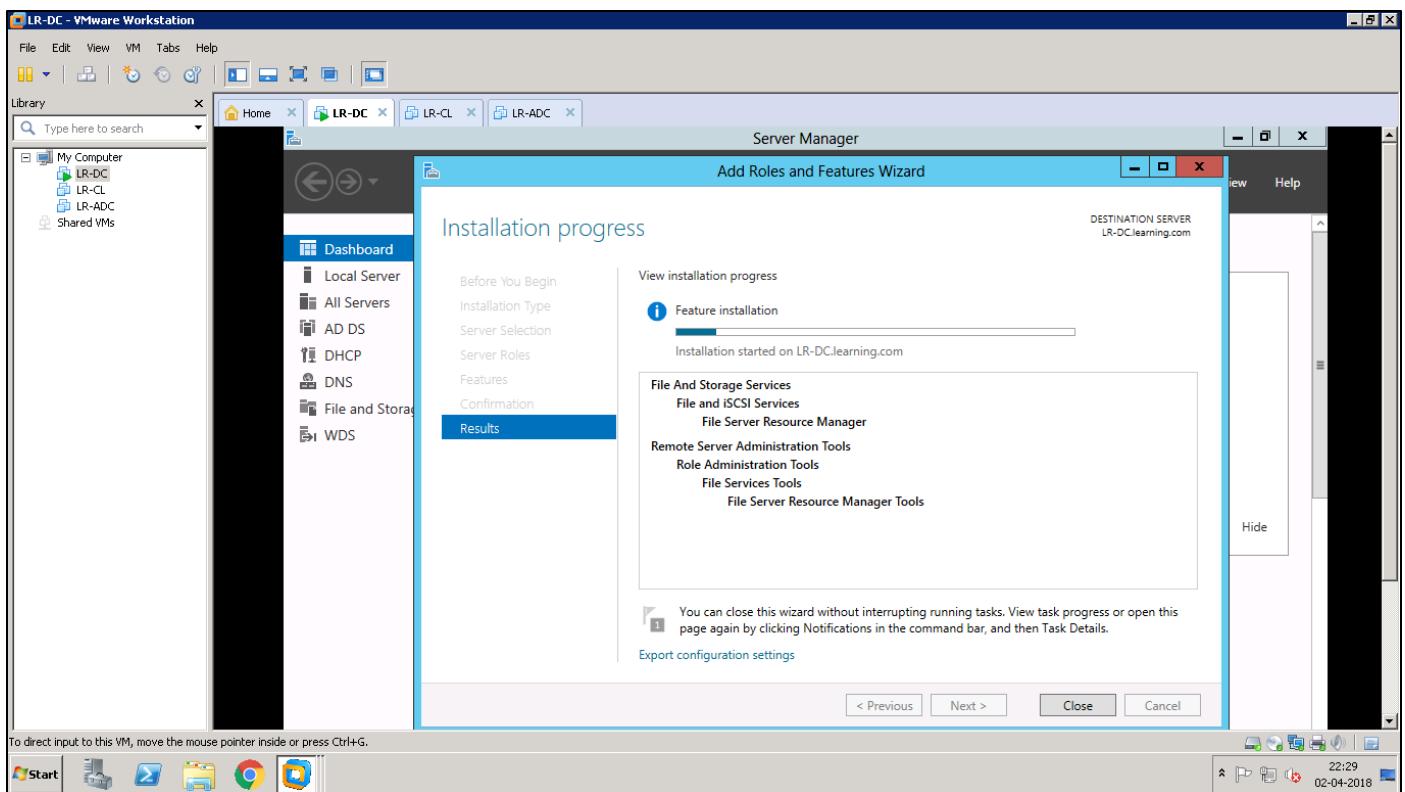




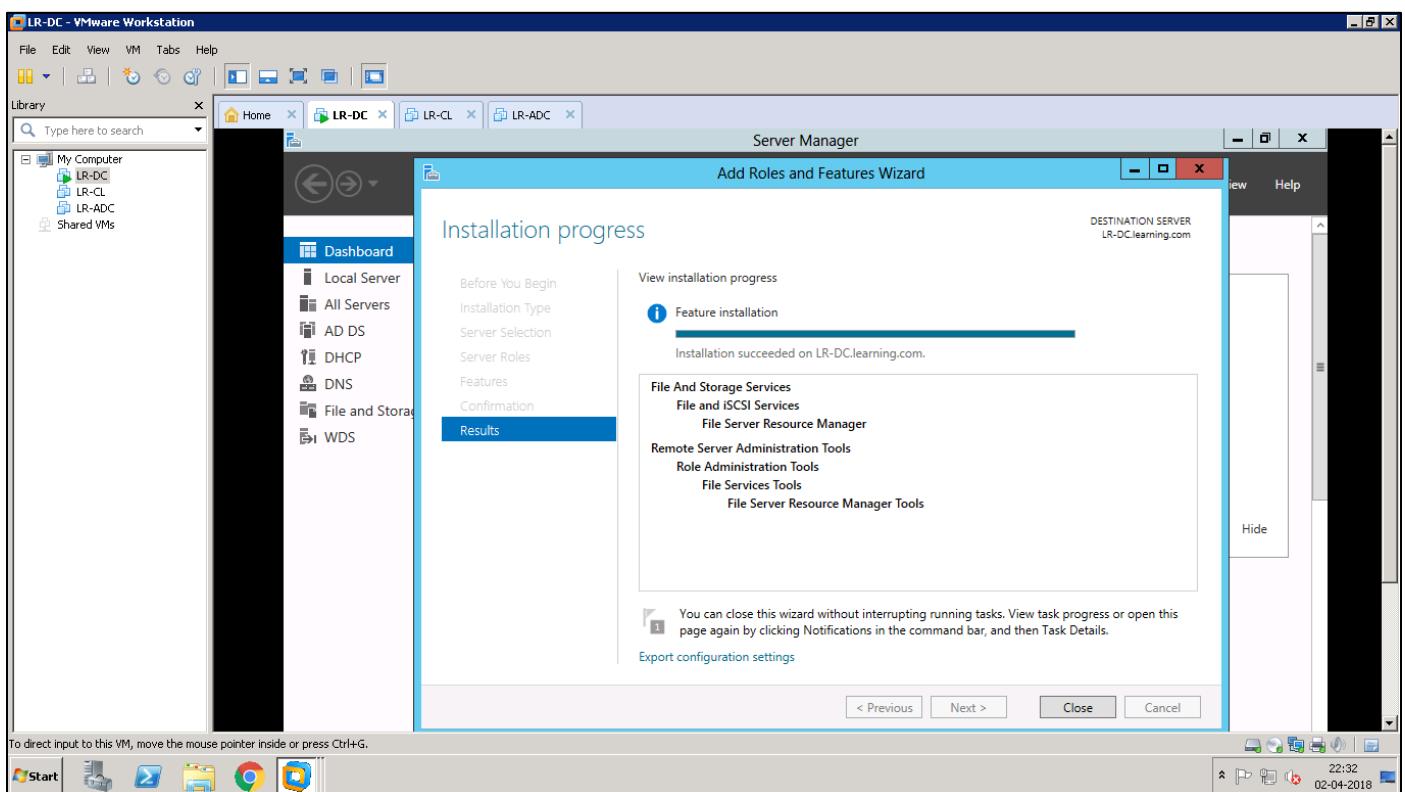
Installing FSRM Service (File Server Resource Manager):

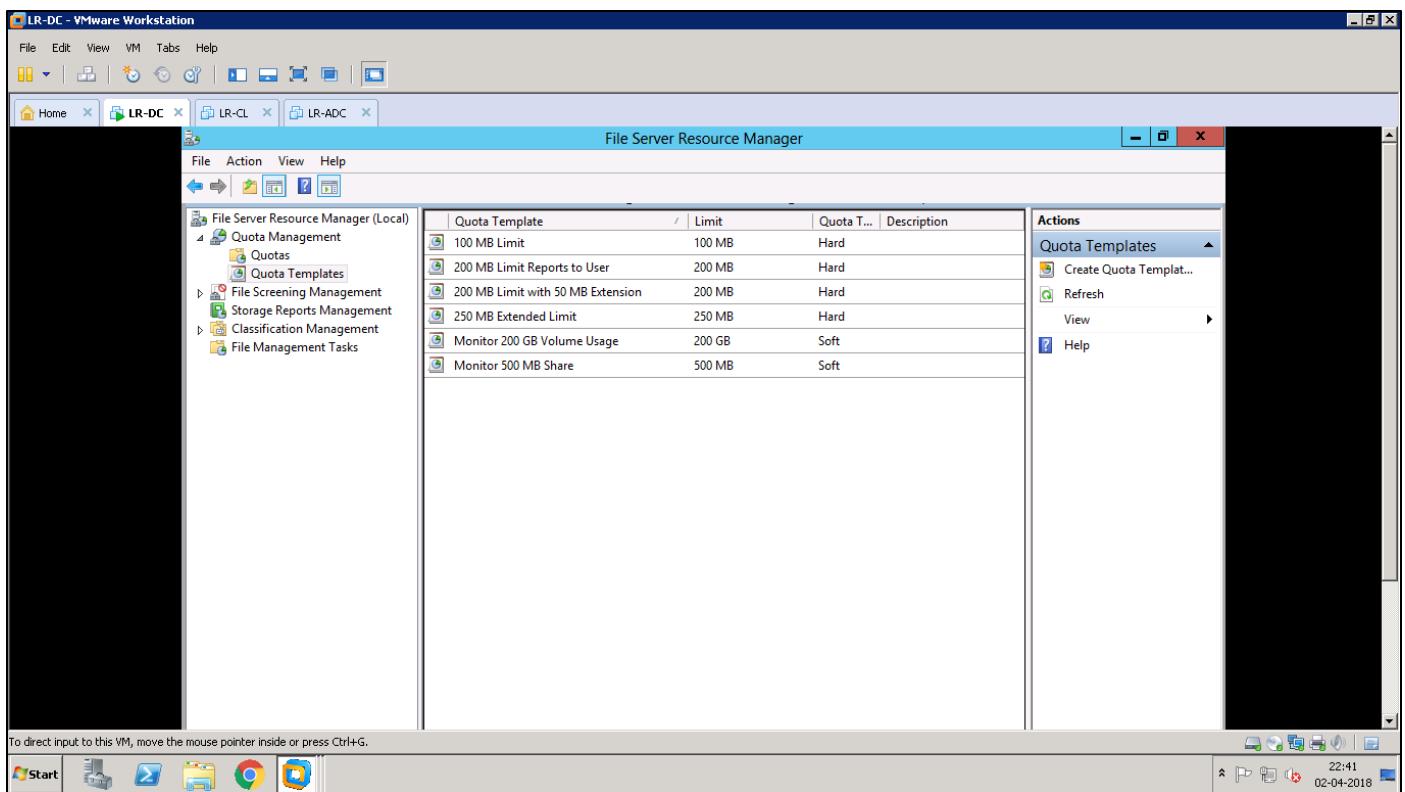




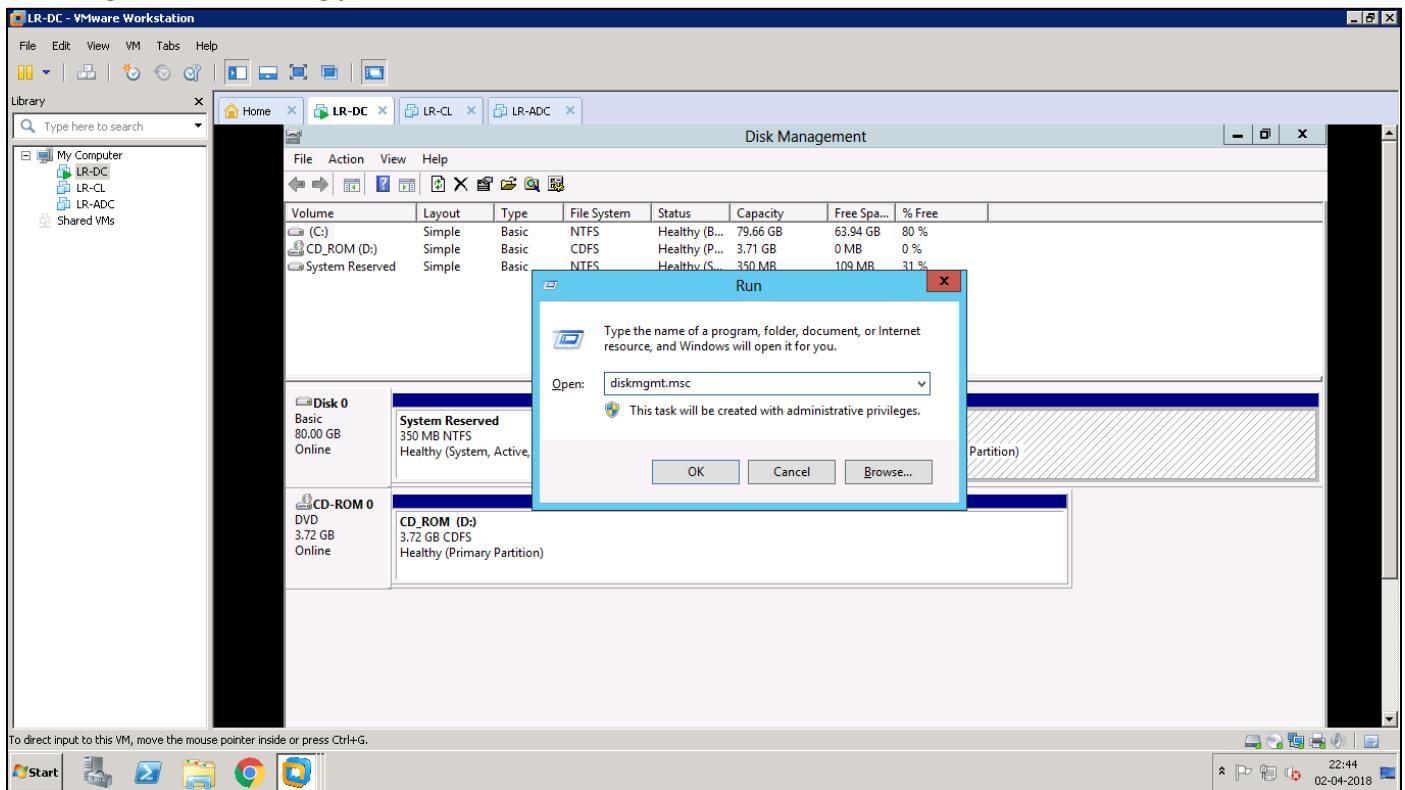


Finished Installation:

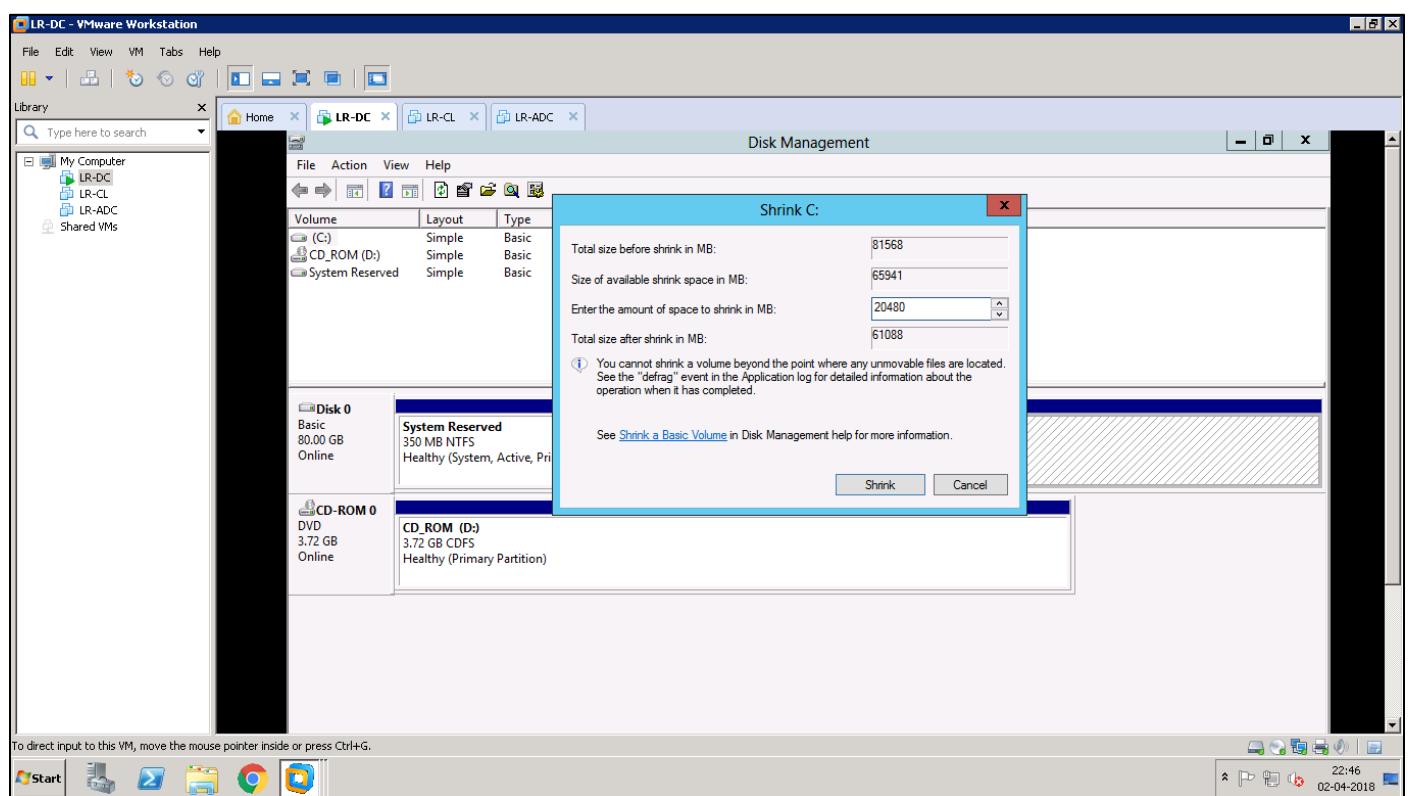
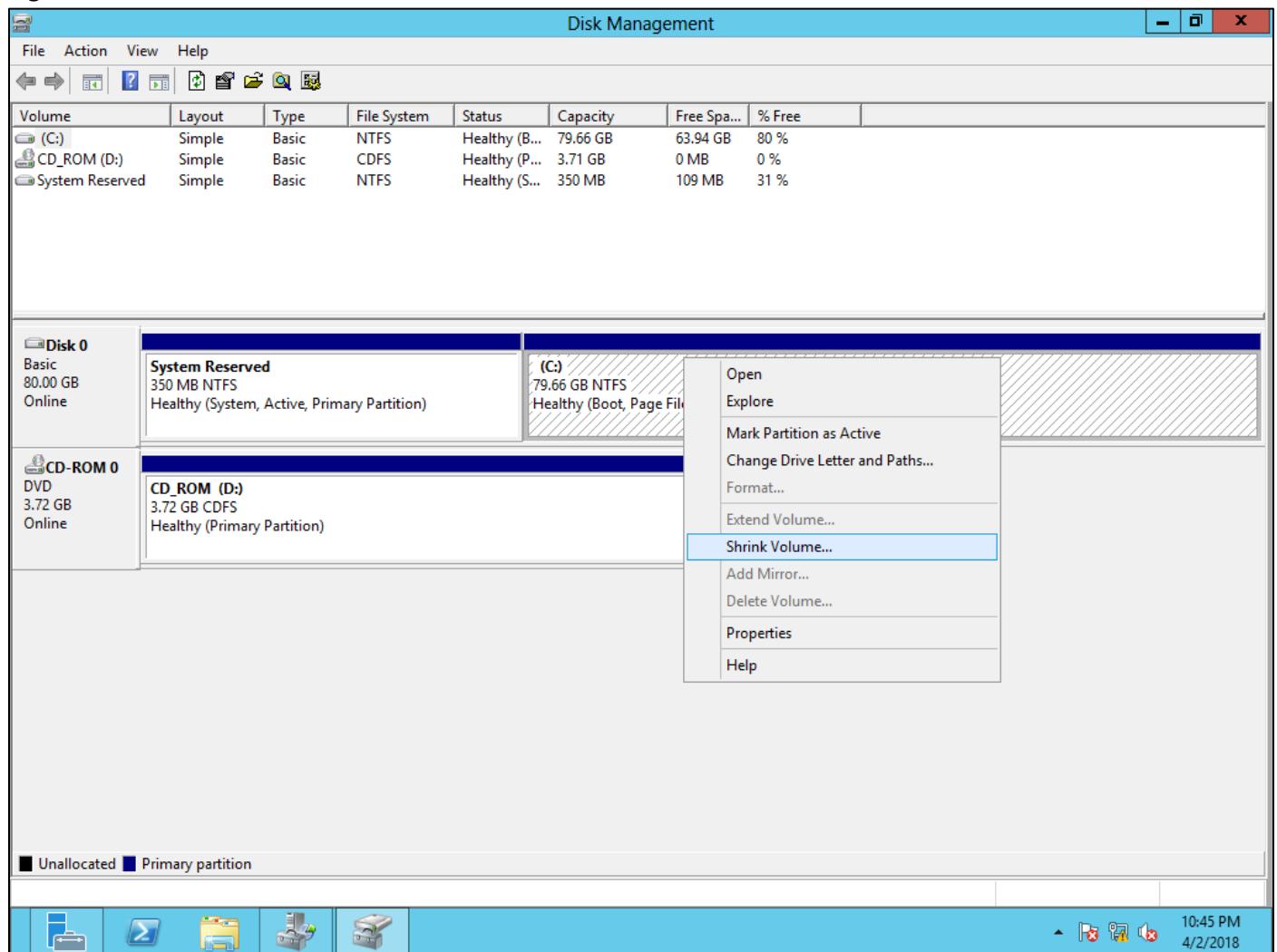




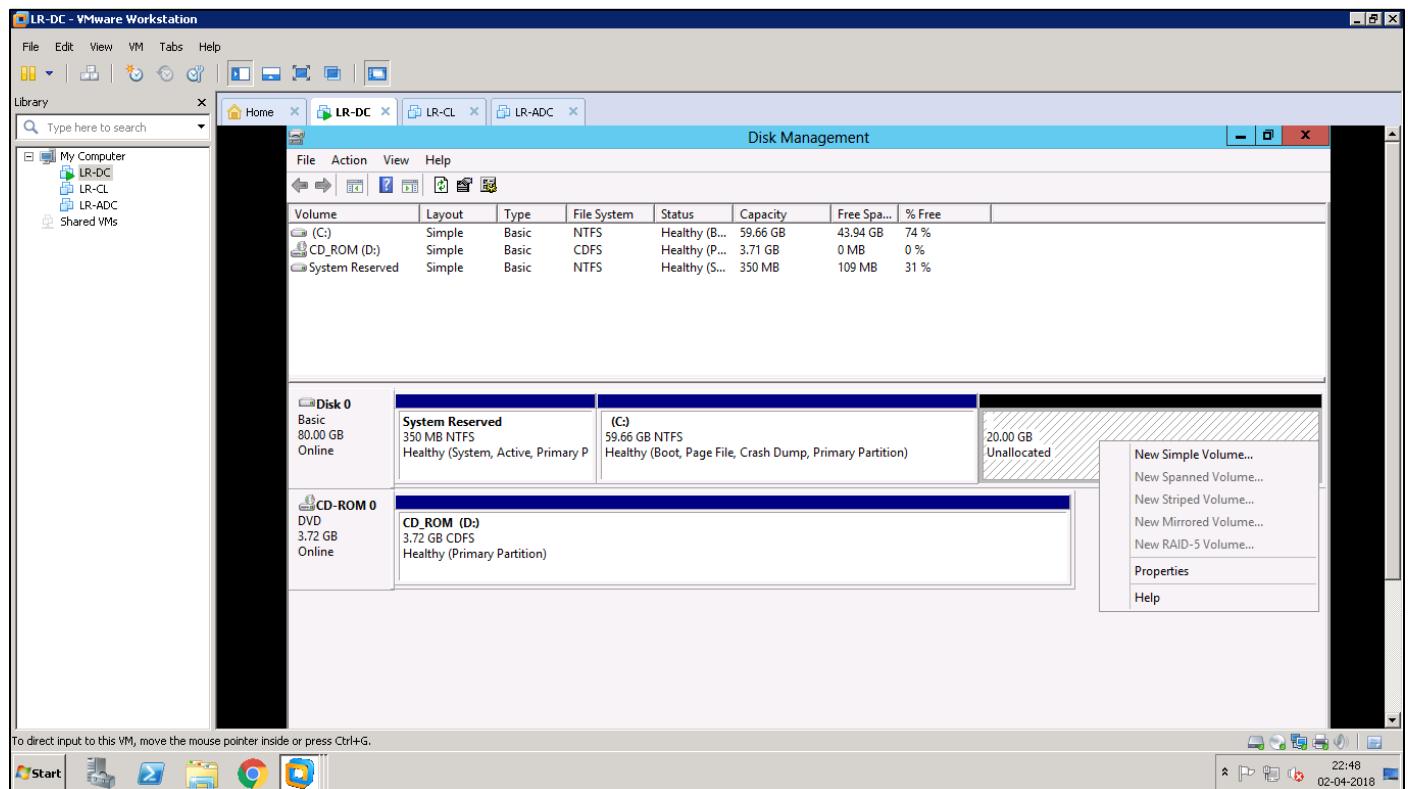
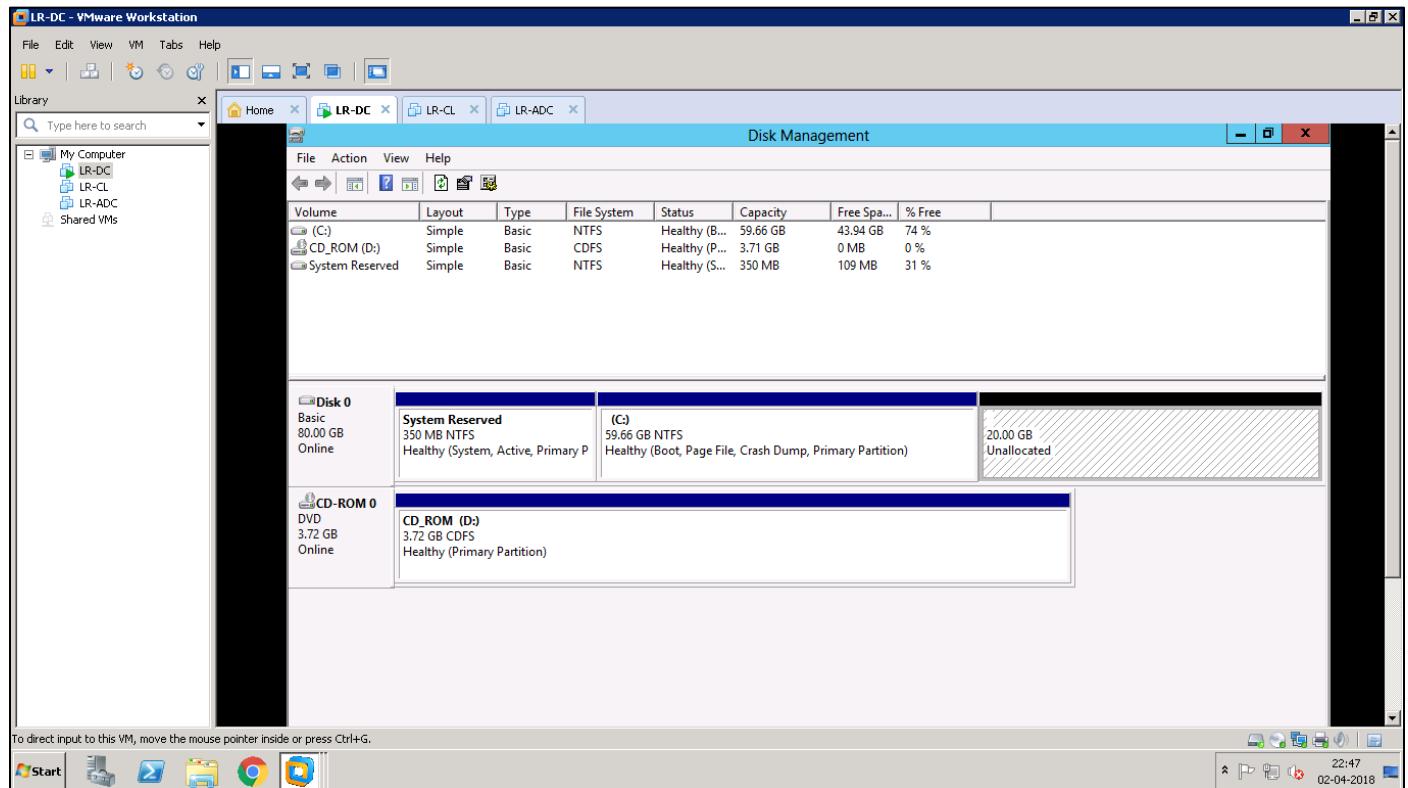
Shrinking disk and creating partition:

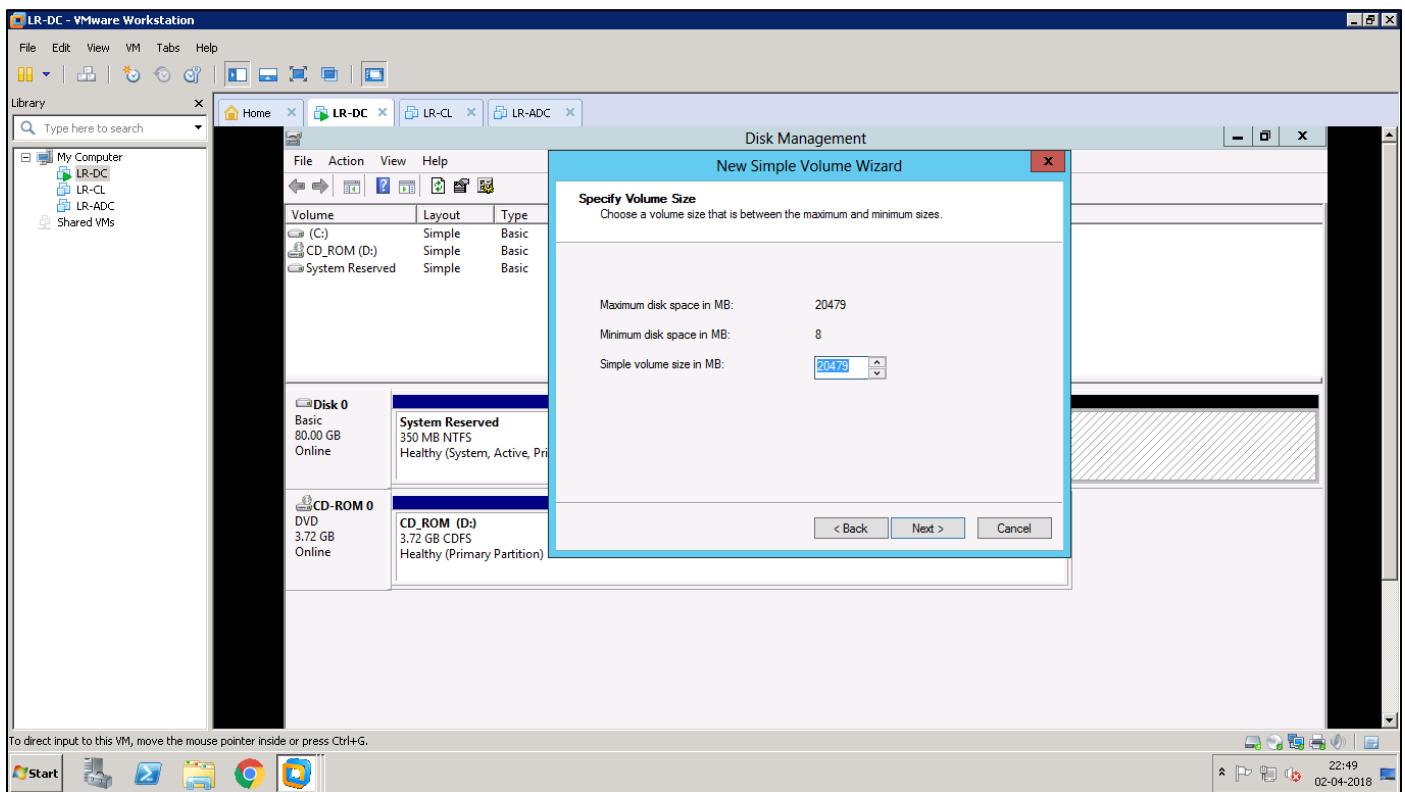
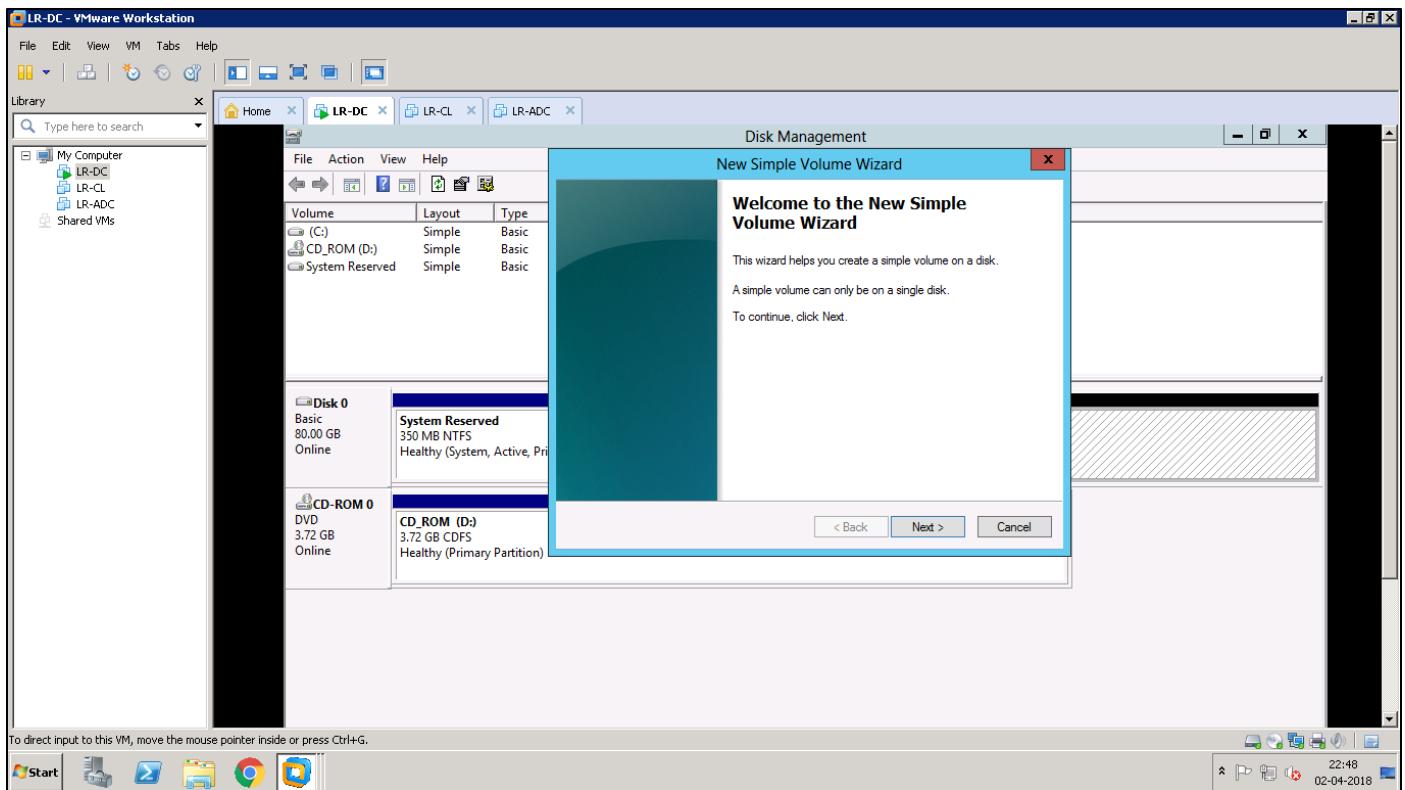


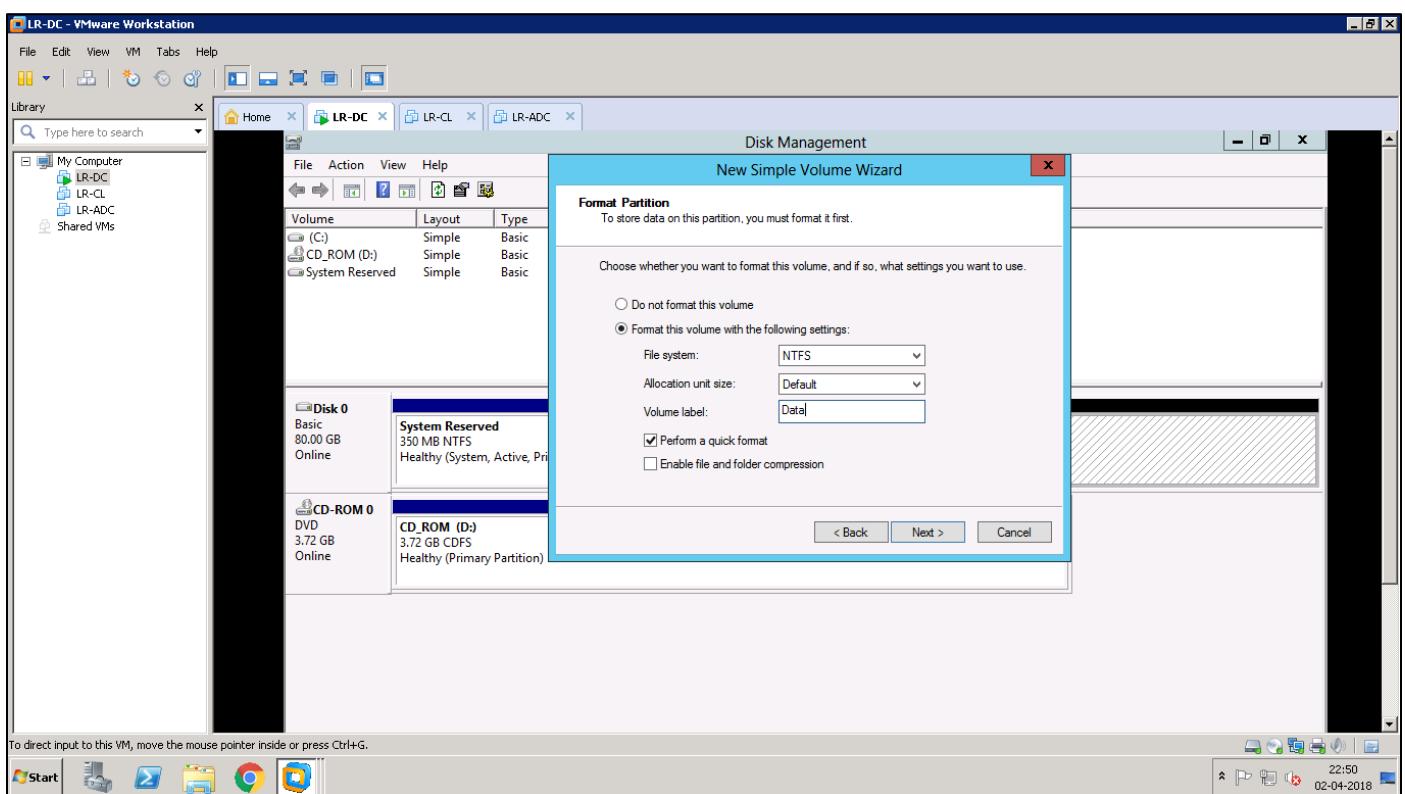
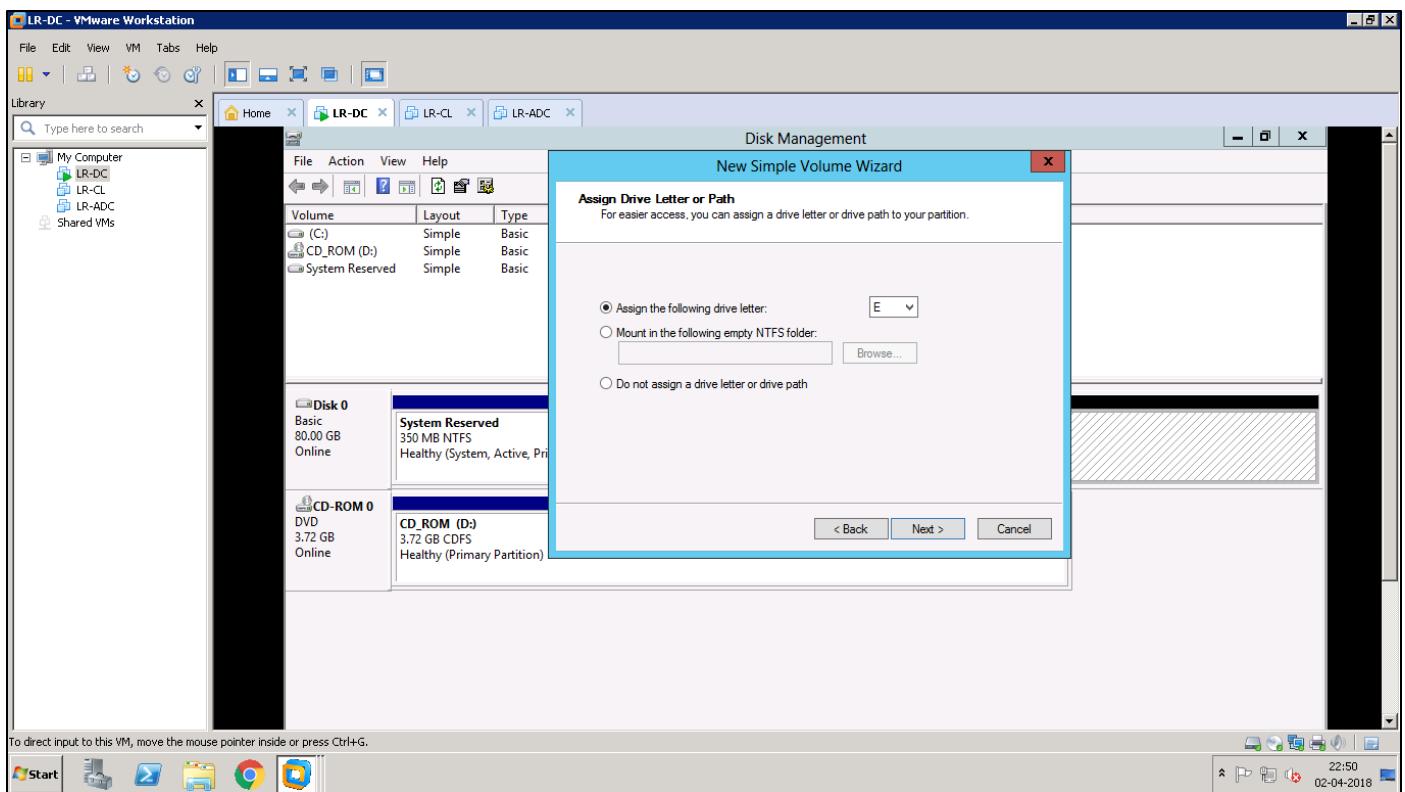
Right click on C drive and select 'Shrink Volume':

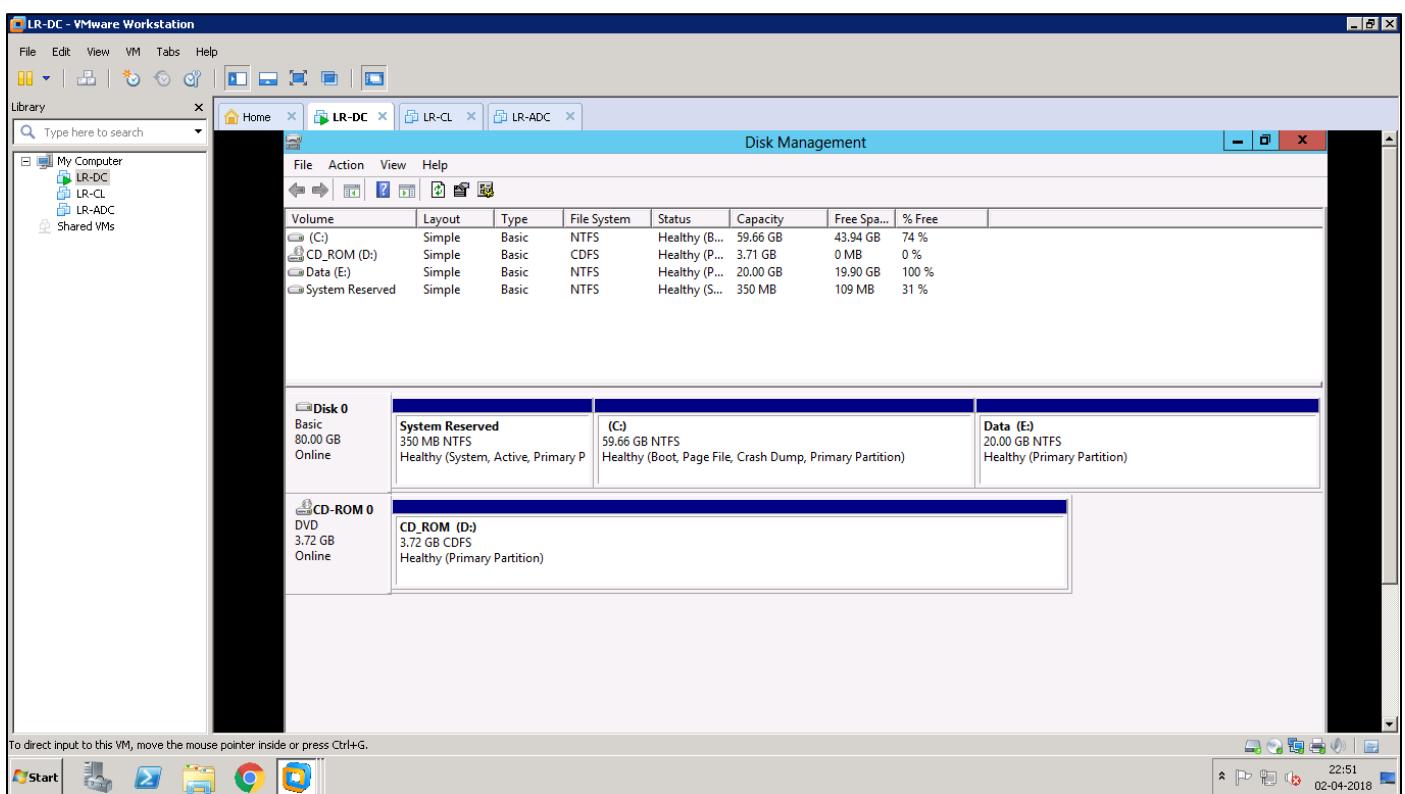
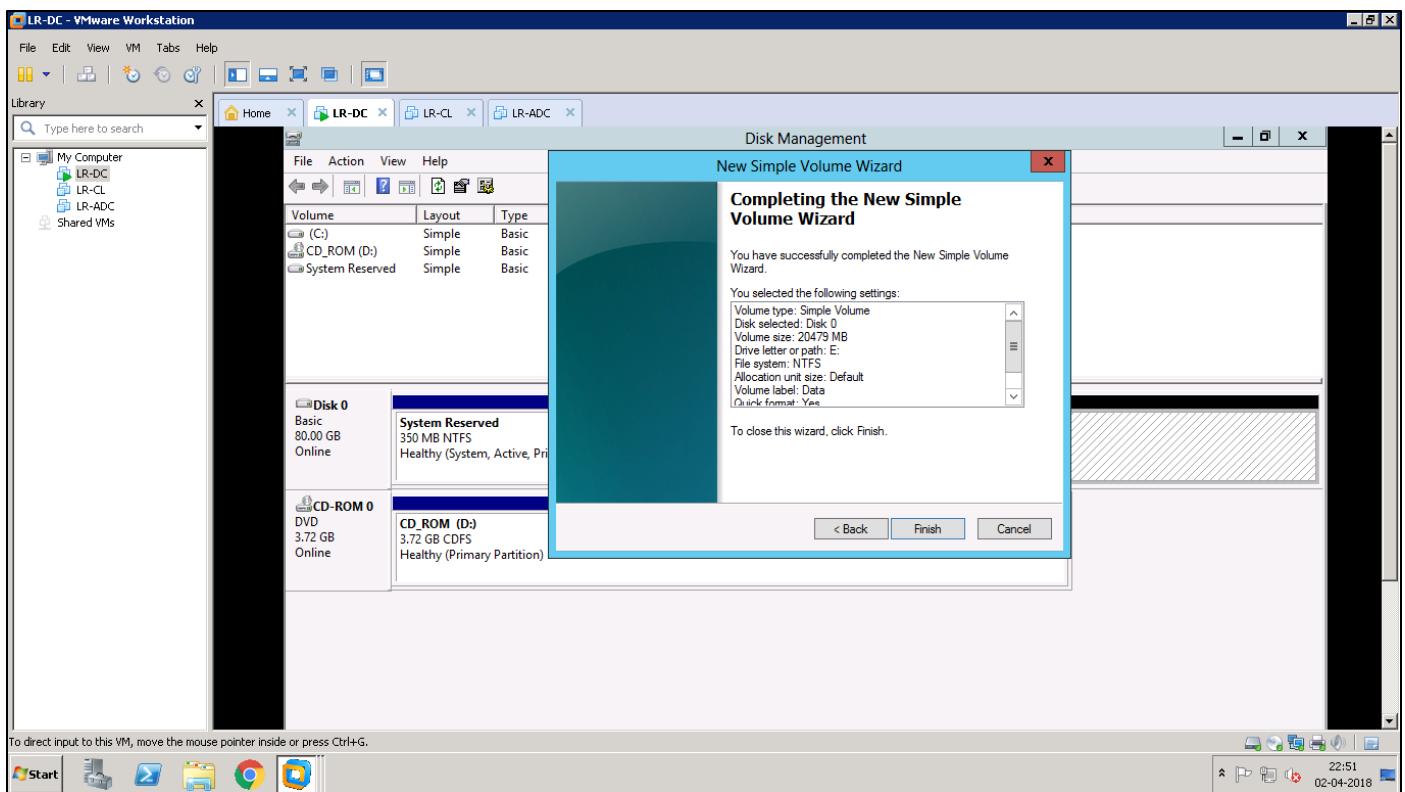


20 GB unallocated volume:

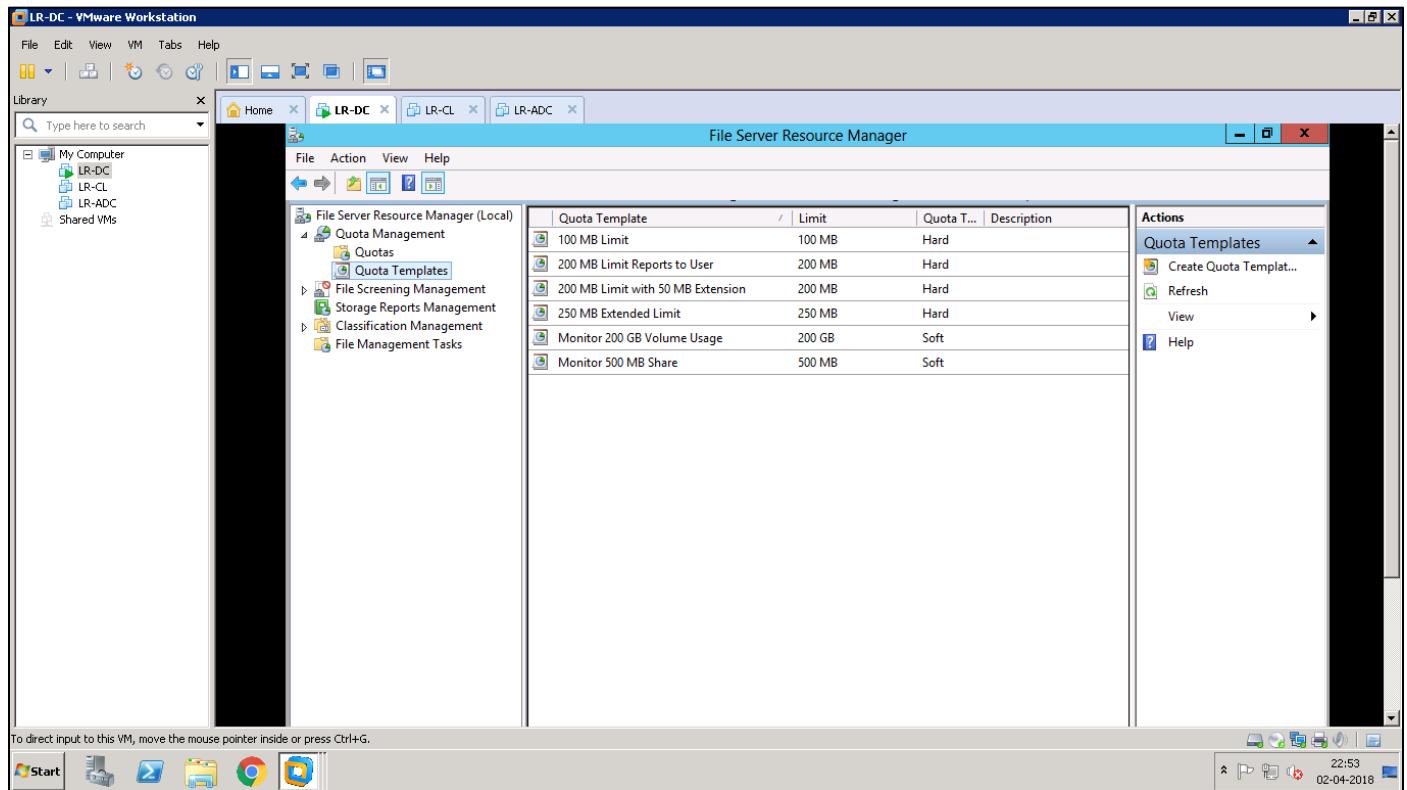




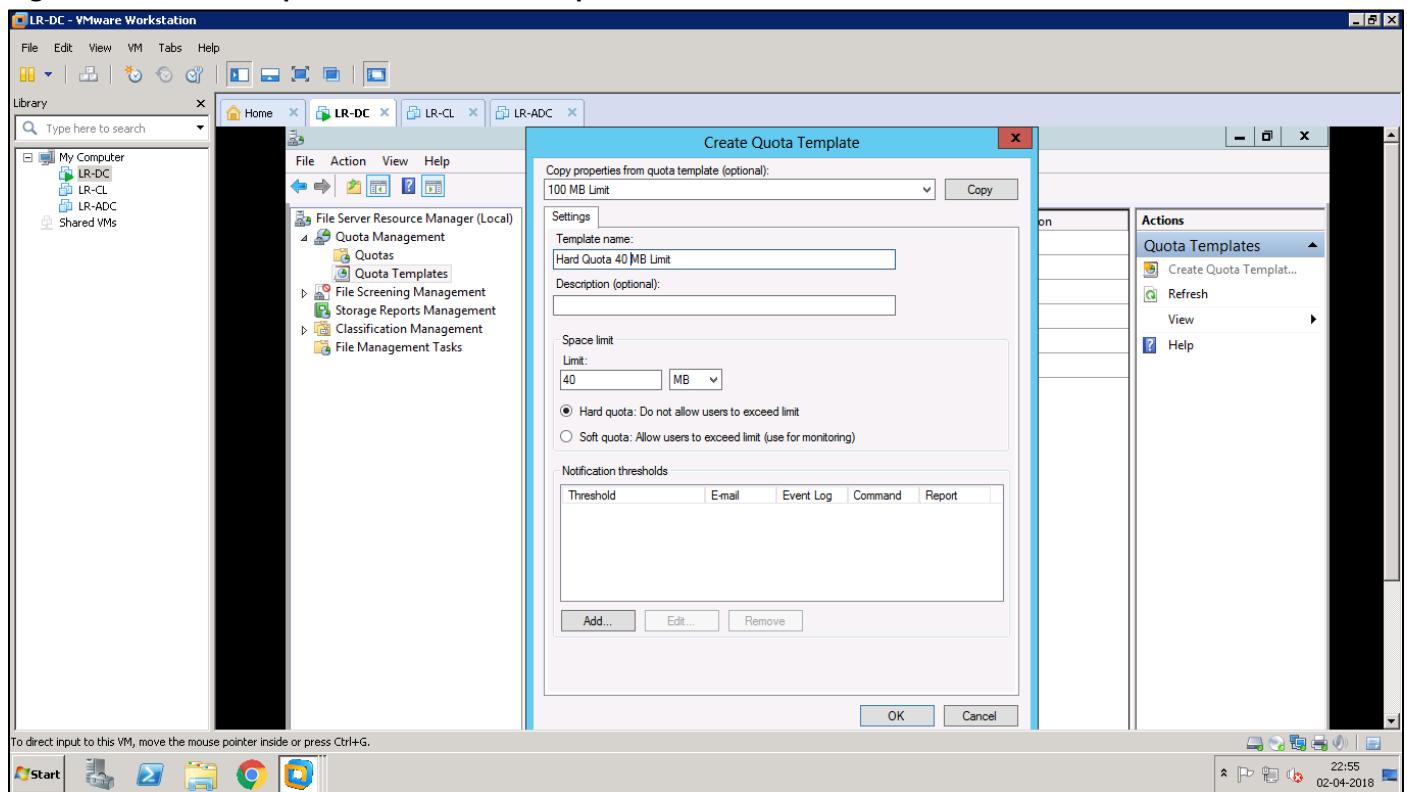




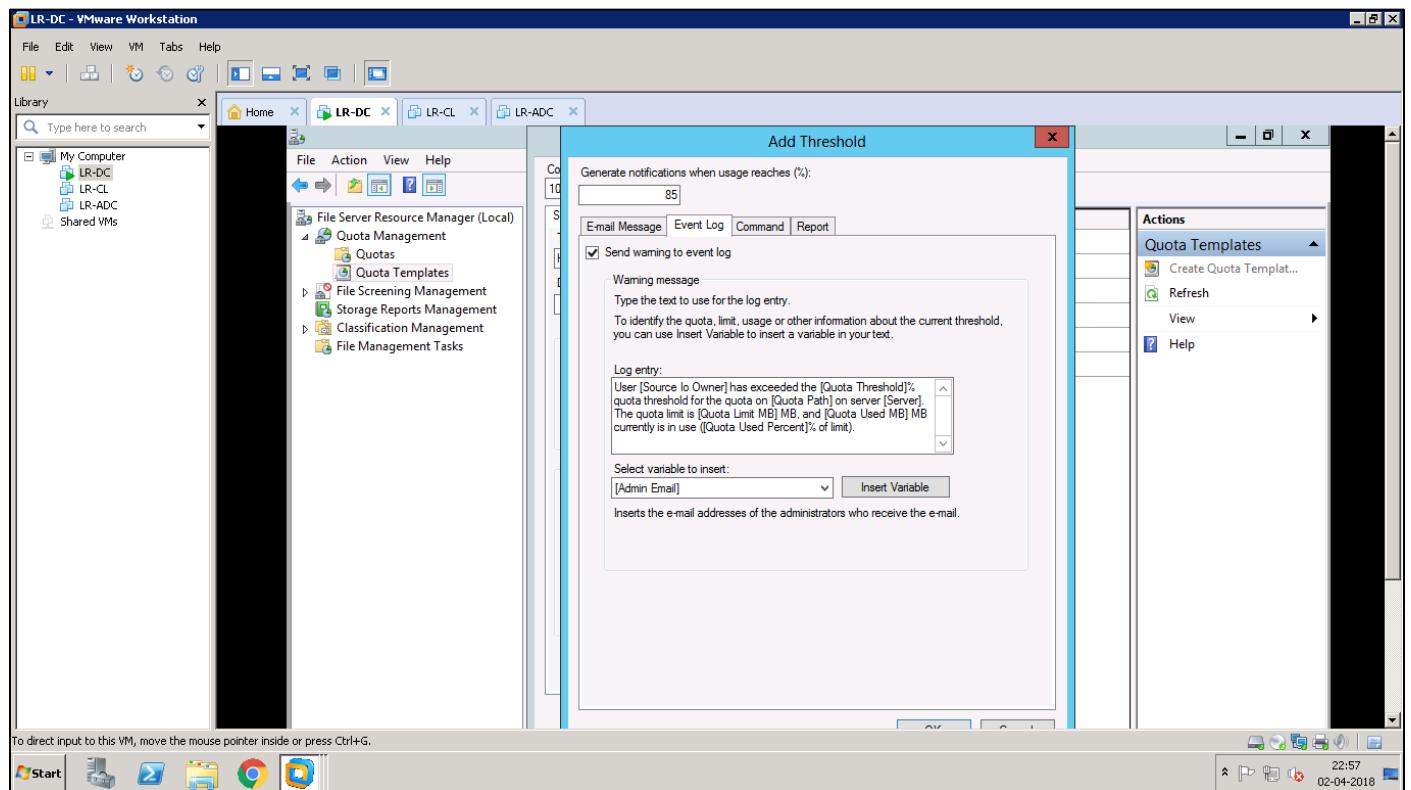
Coming back to FSRM: 'Tools' – 'File Server Resource Manager':



Right Click 'Quota Template' – Create new template:

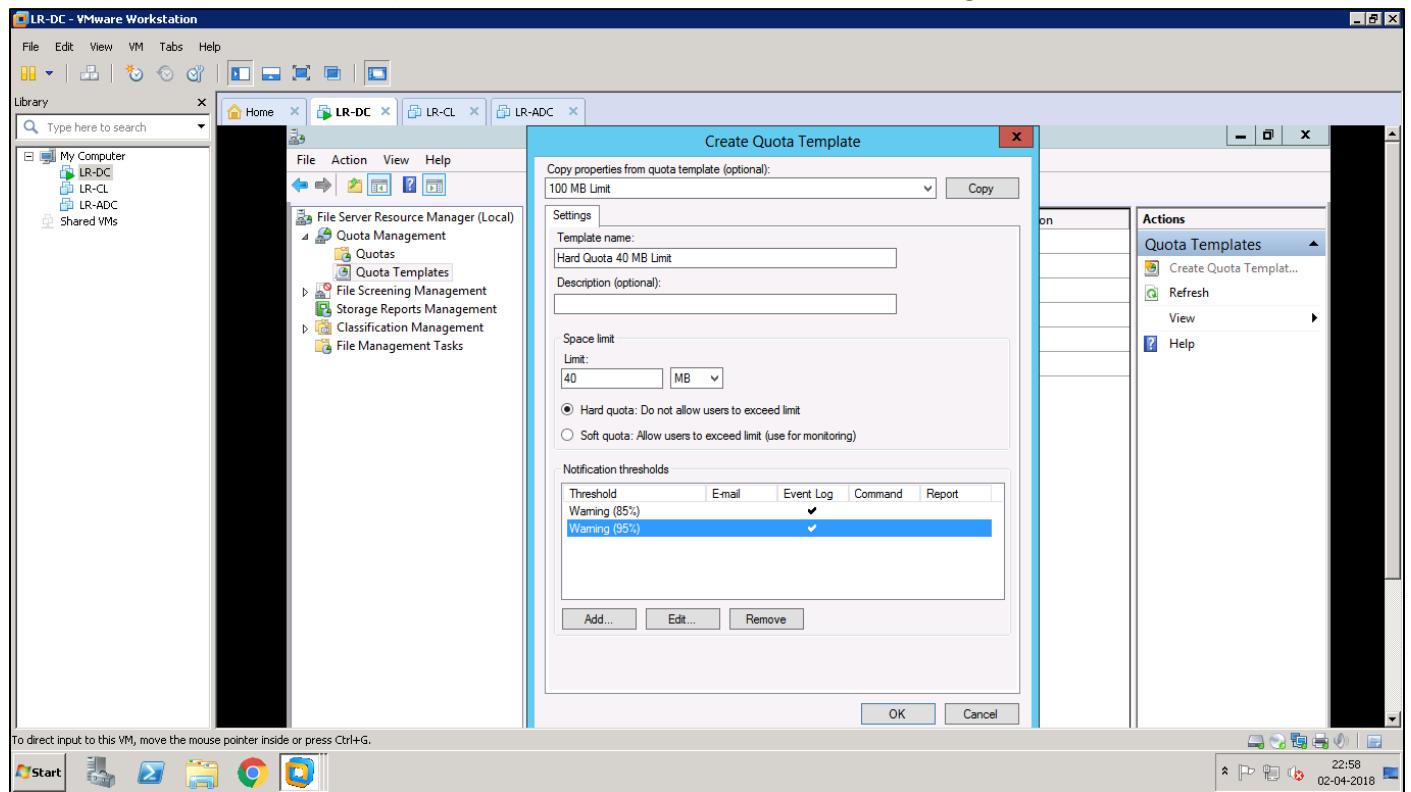


Click on 'Add':

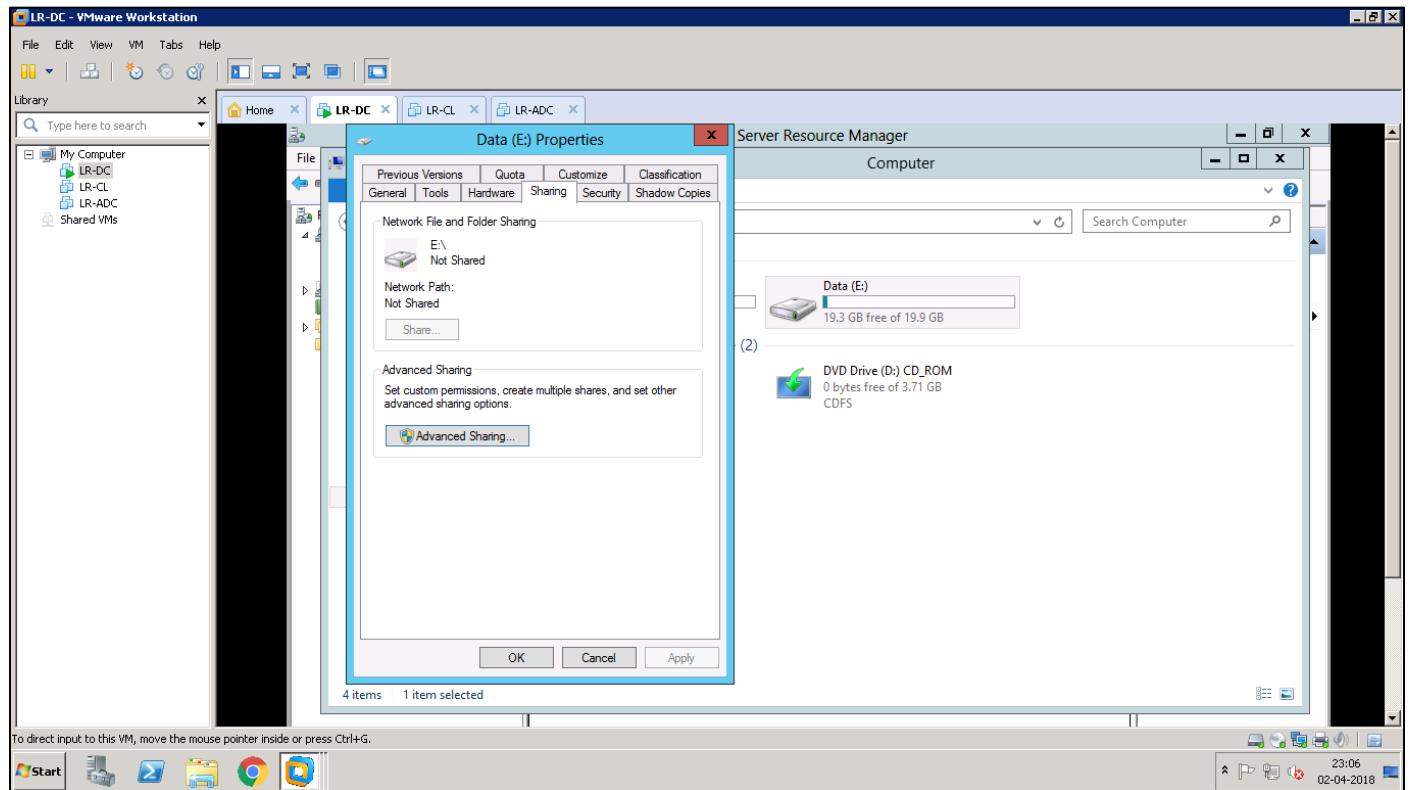


'OK'

Create 2 Notification threshold (one for 85% and another for 95% resource usage):

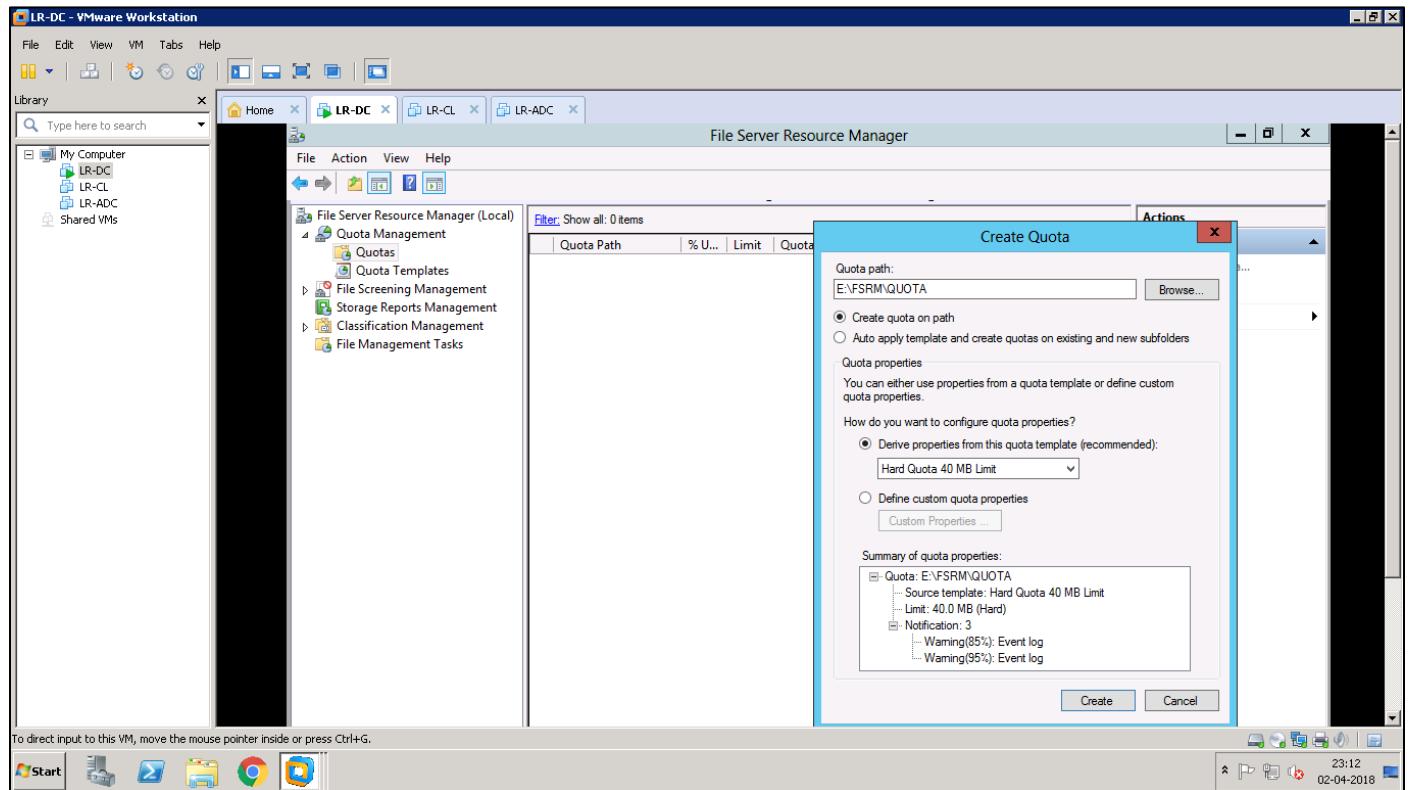


Under E drive create a new folder amed 'FSRM':

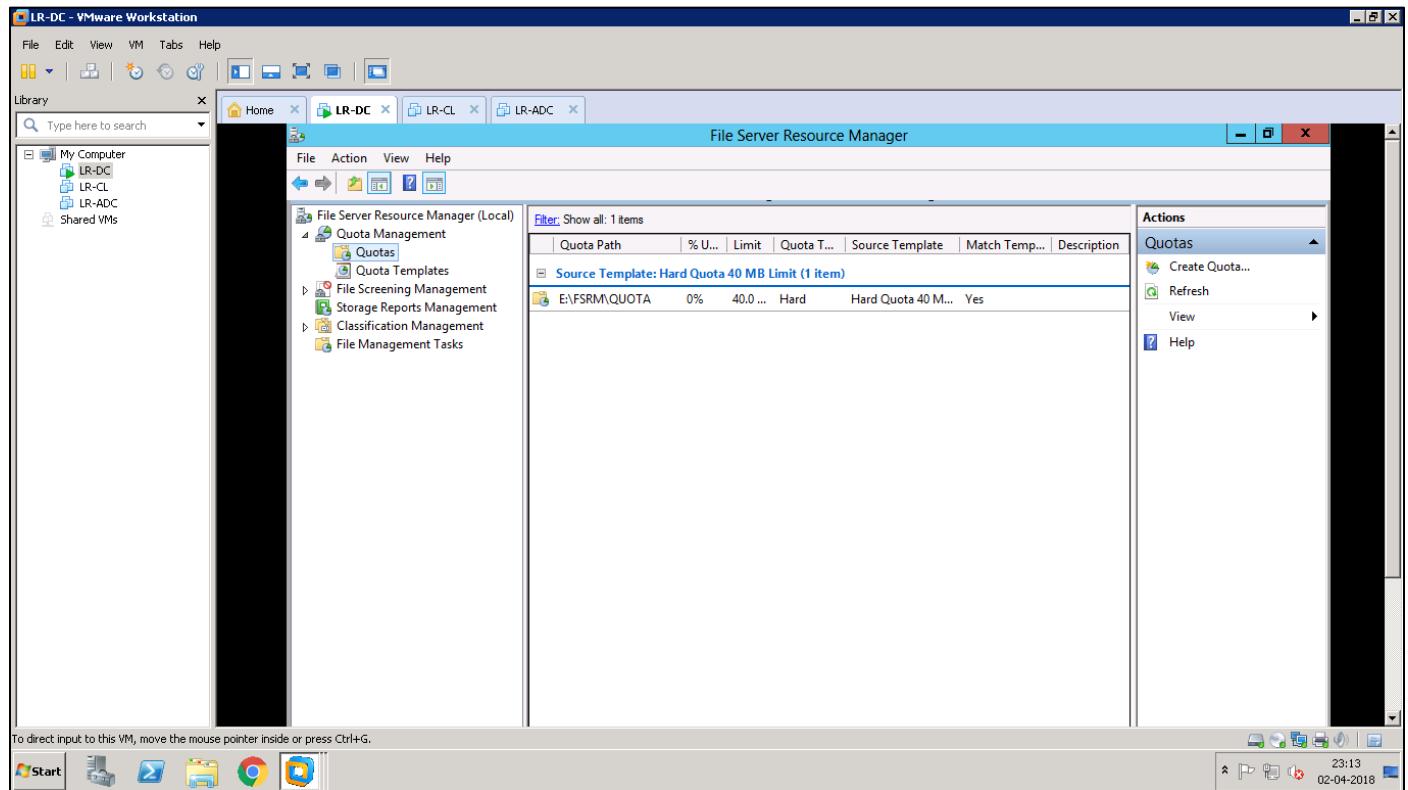


Advanced Sharing – Tick ‘share this folder’ – ‘Permission’ – give permissions to all authenticated users.

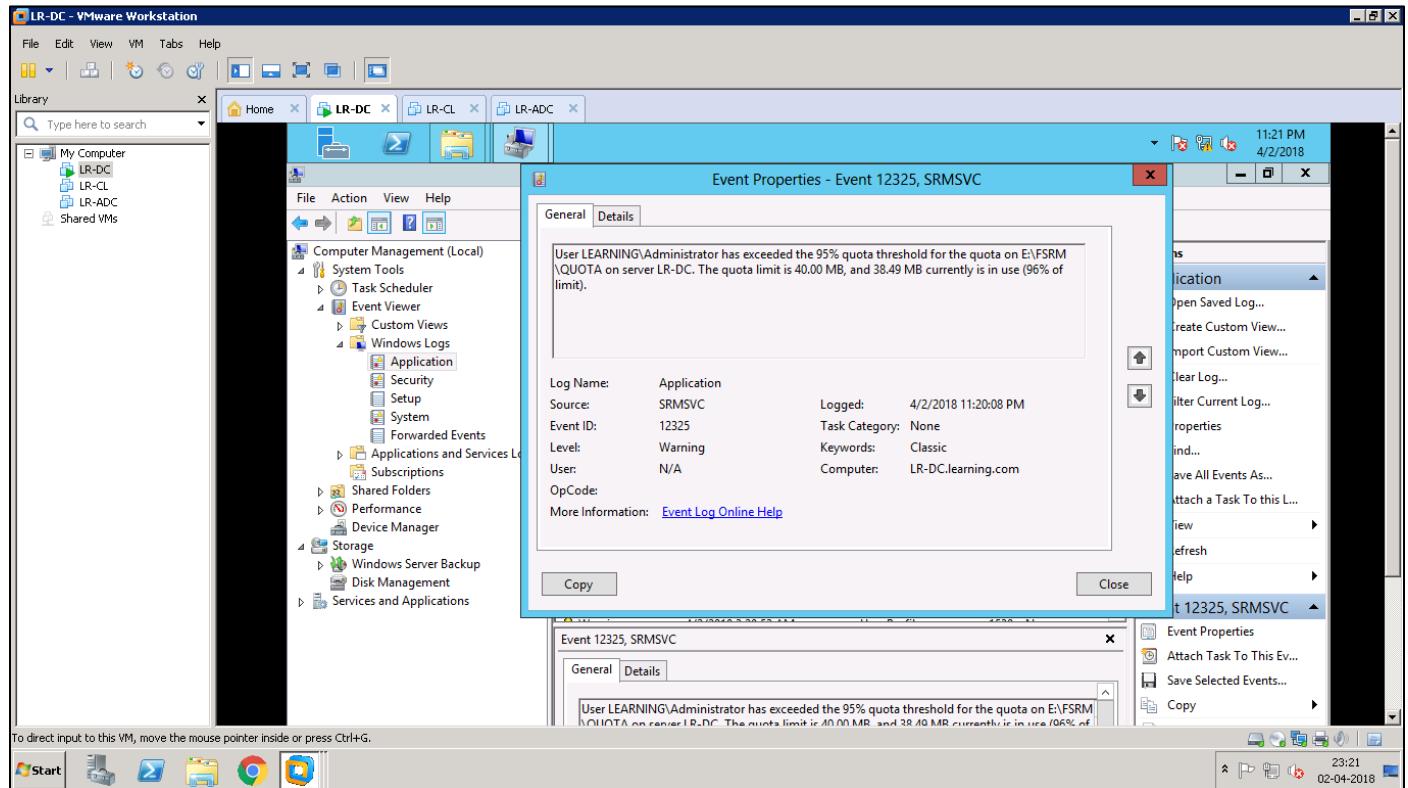
Go to ‘Quotas’ – Right click on ‘Quota’ – Give the path – Select appropriate template



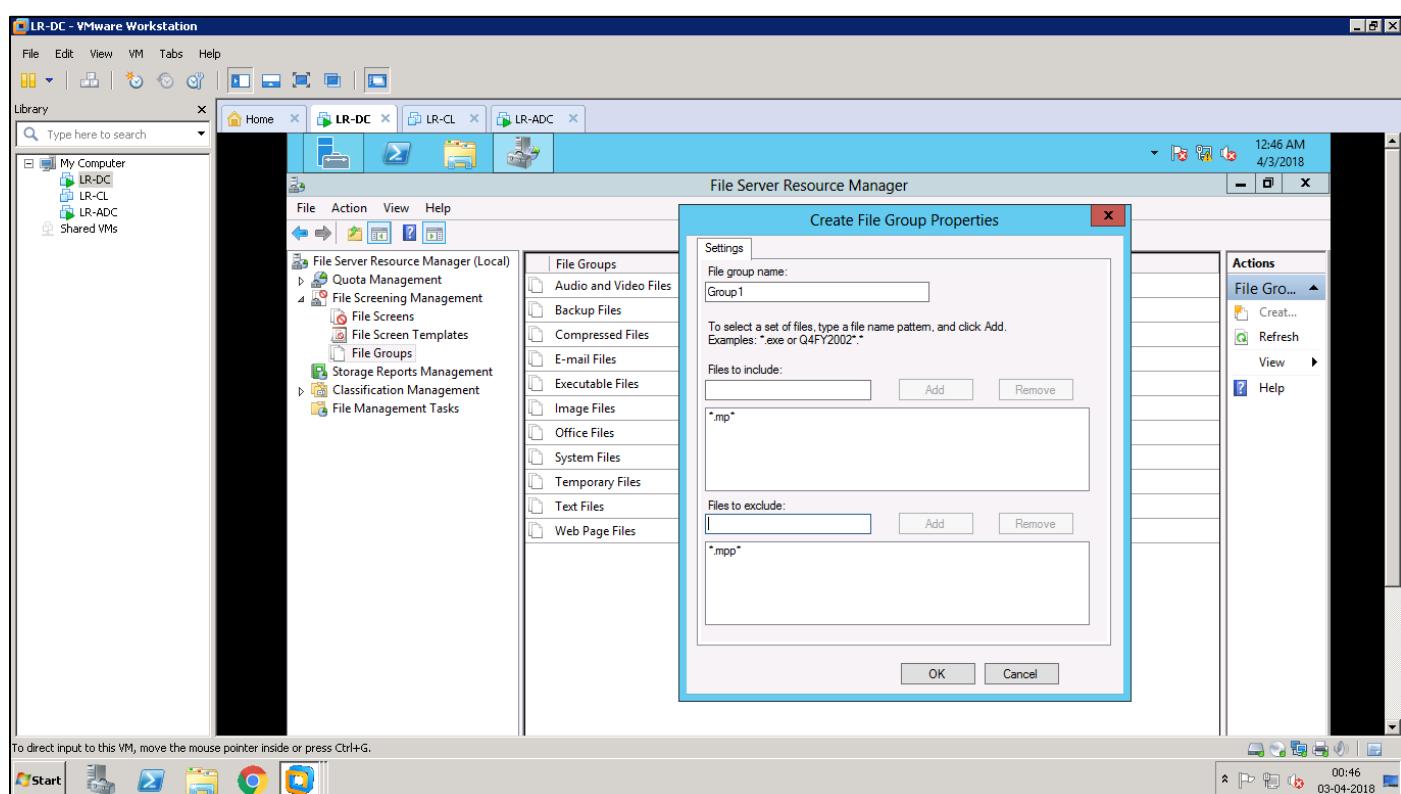
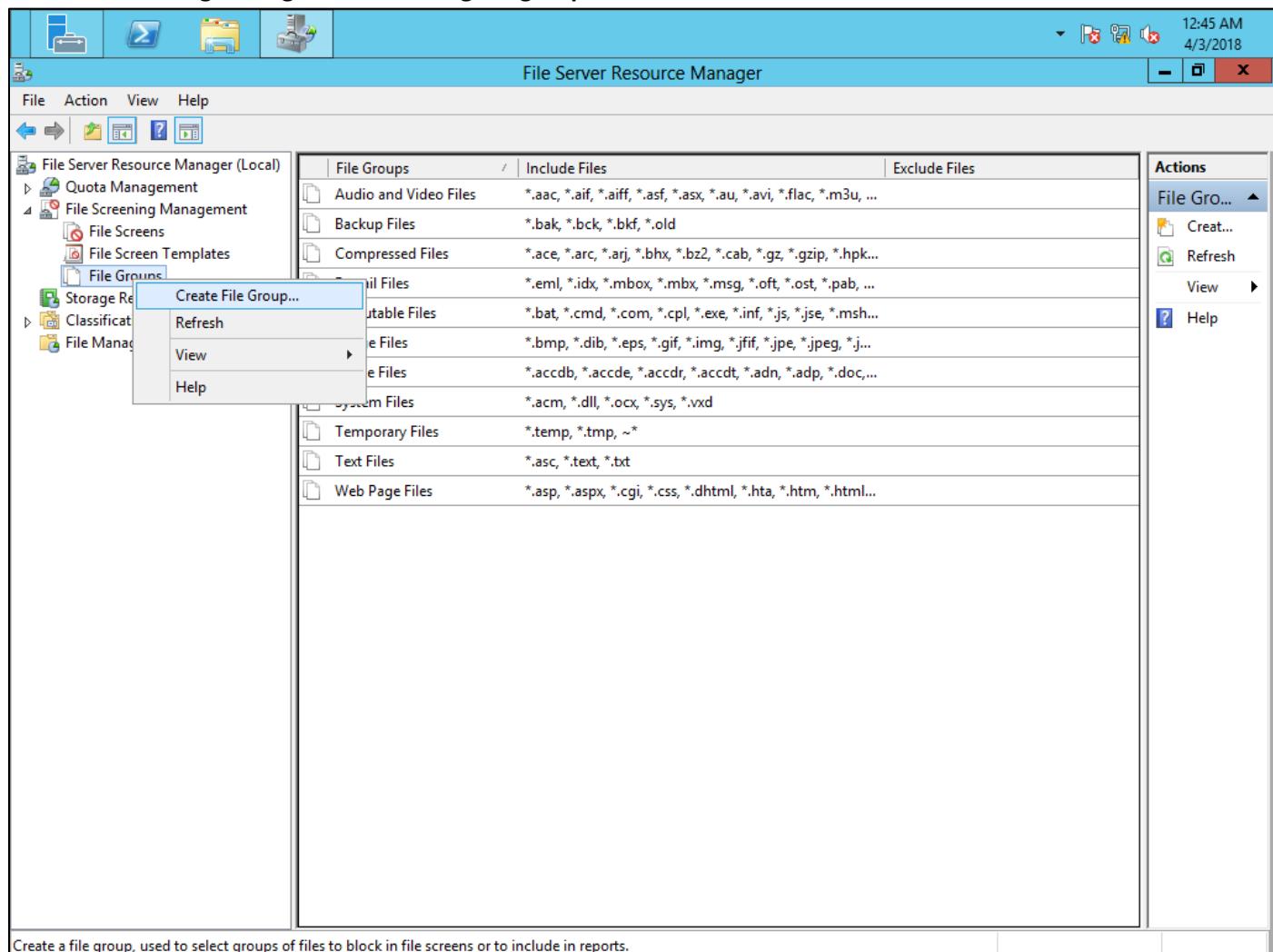
Created quota:

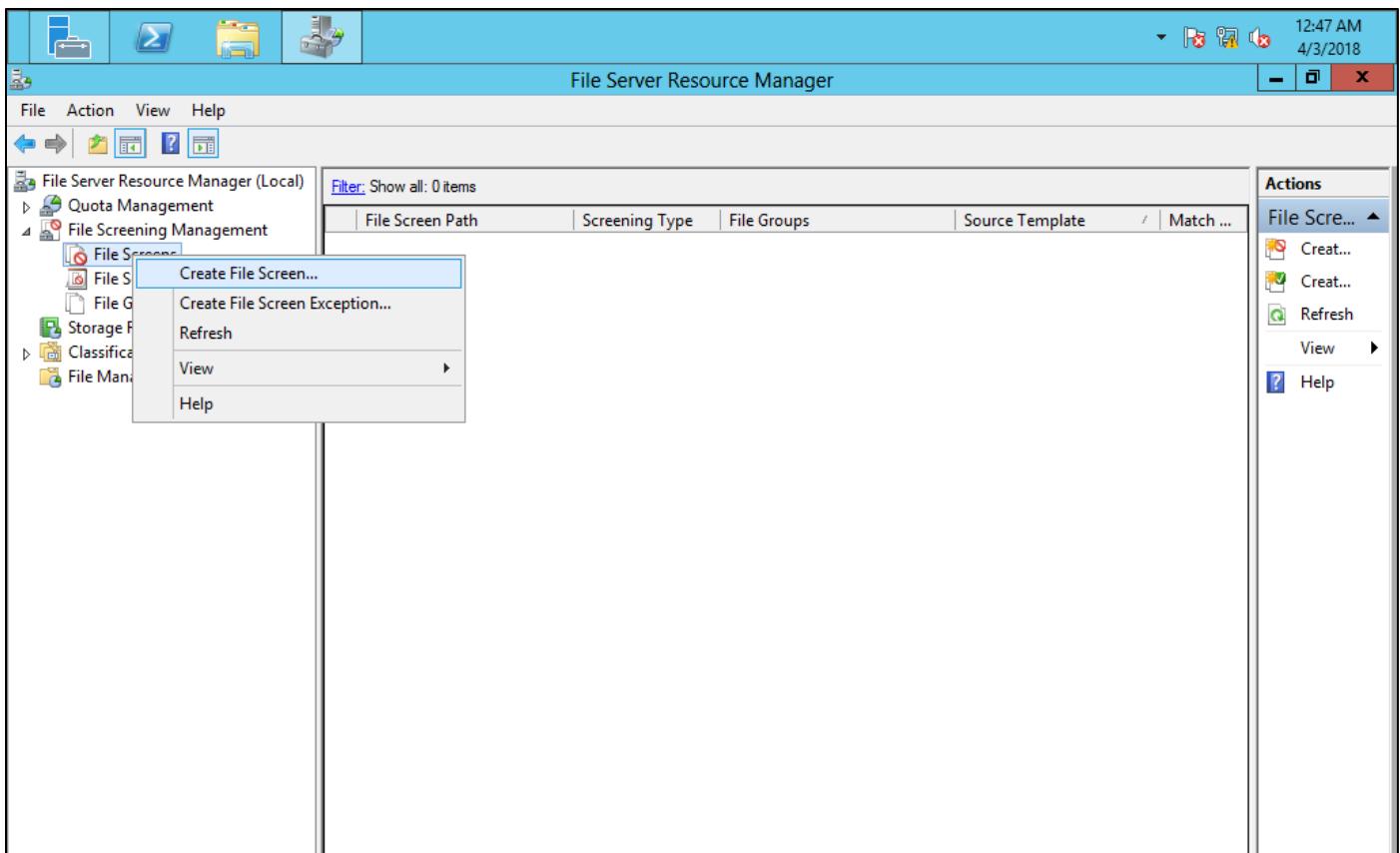


When Quota limit exceeds:

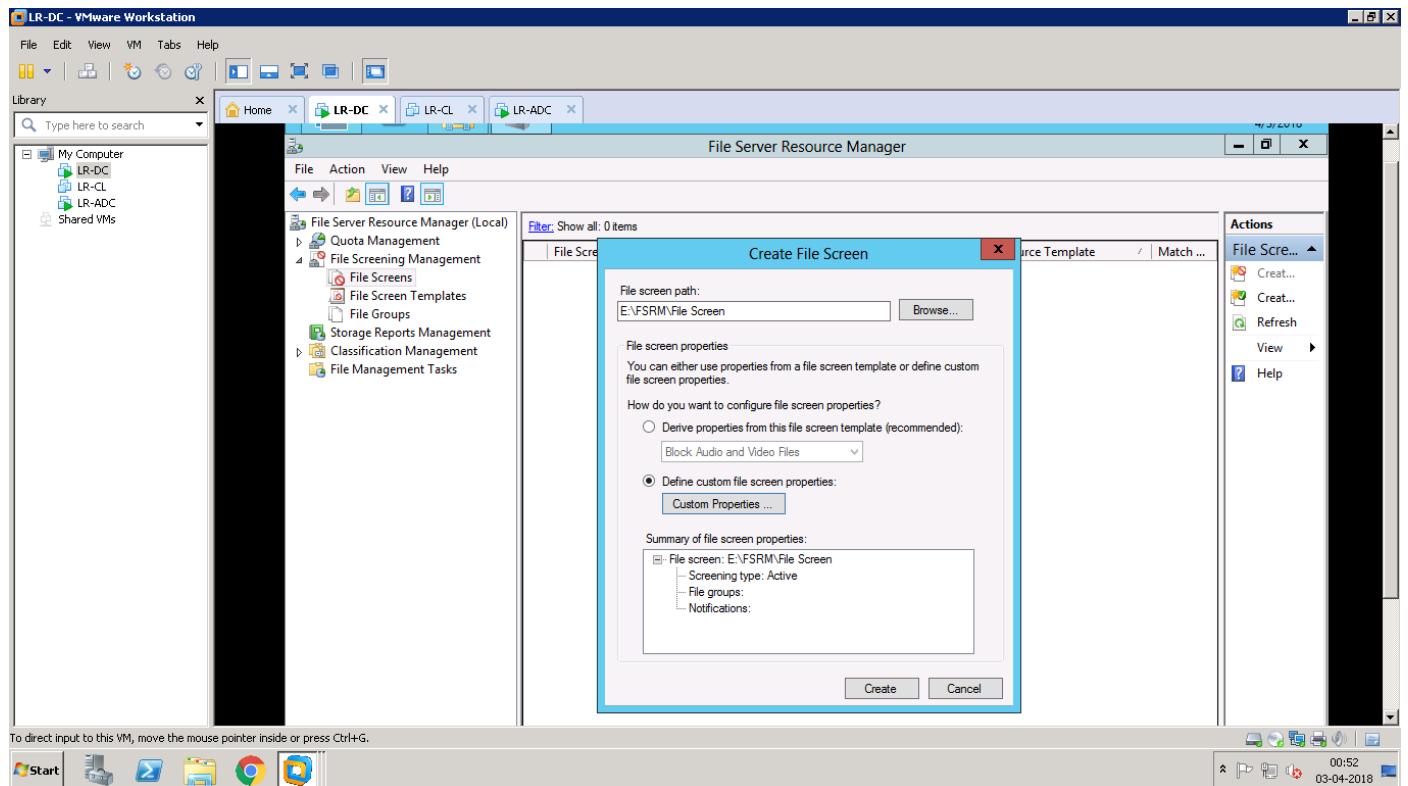


****File Screening Management: Creating file group:

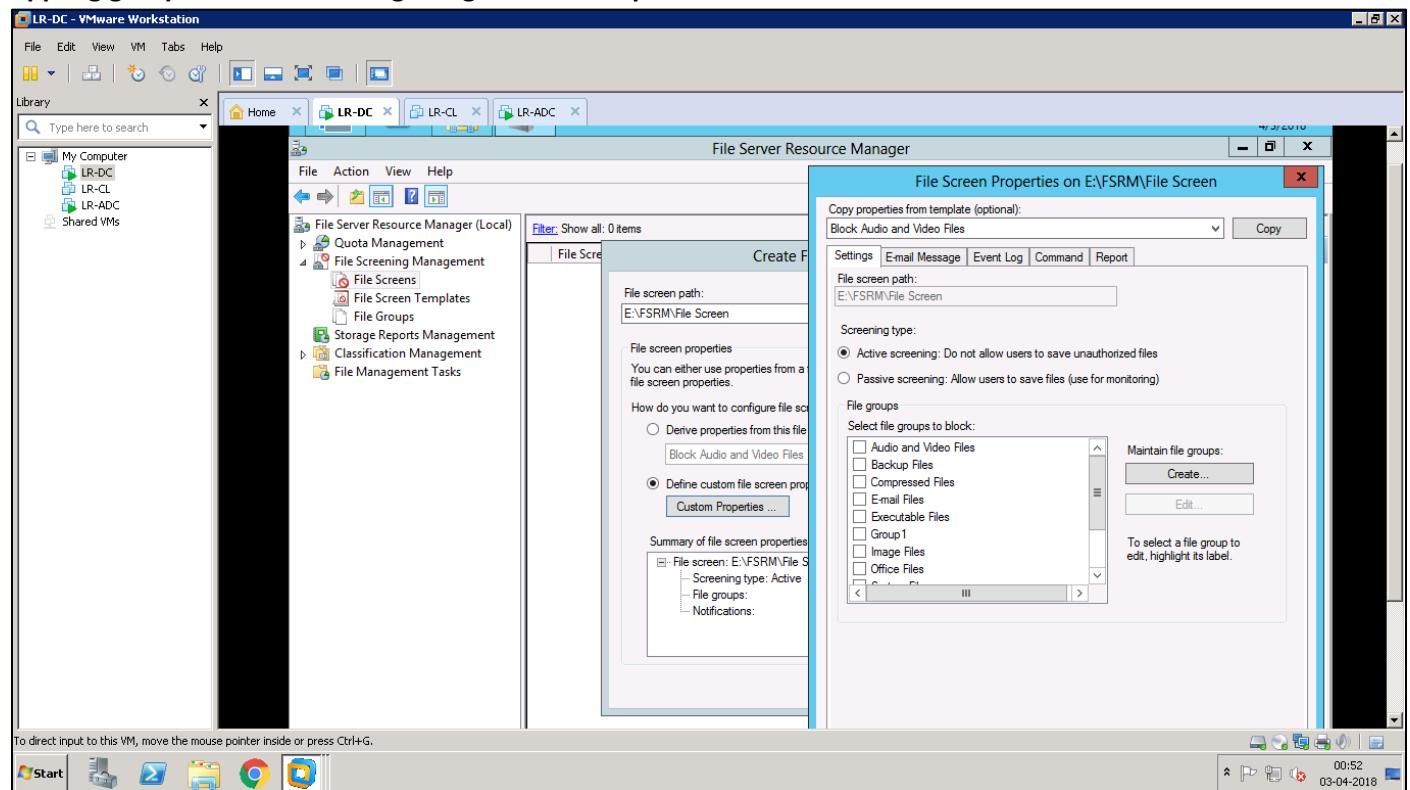




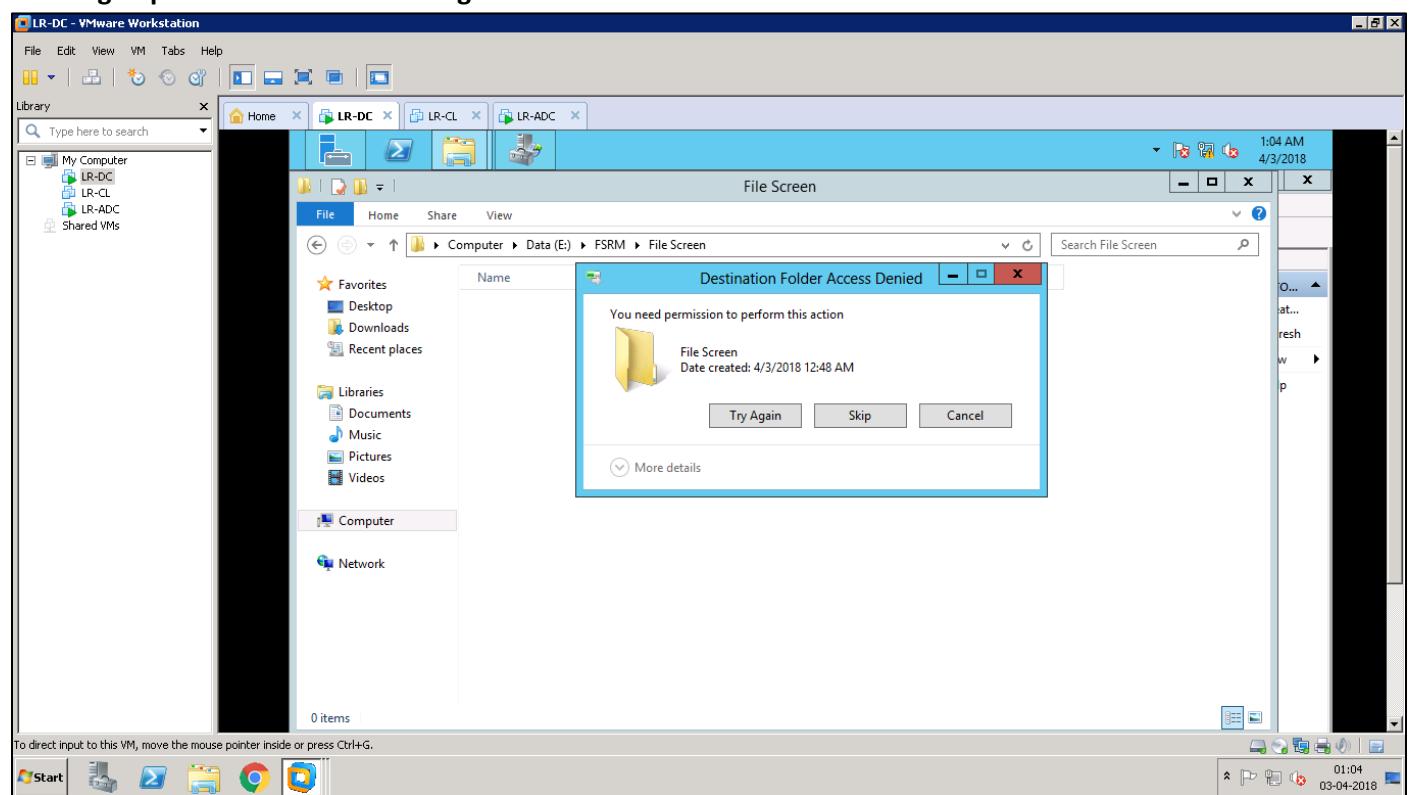
Create folder under e\FSRM named 'File Screen':

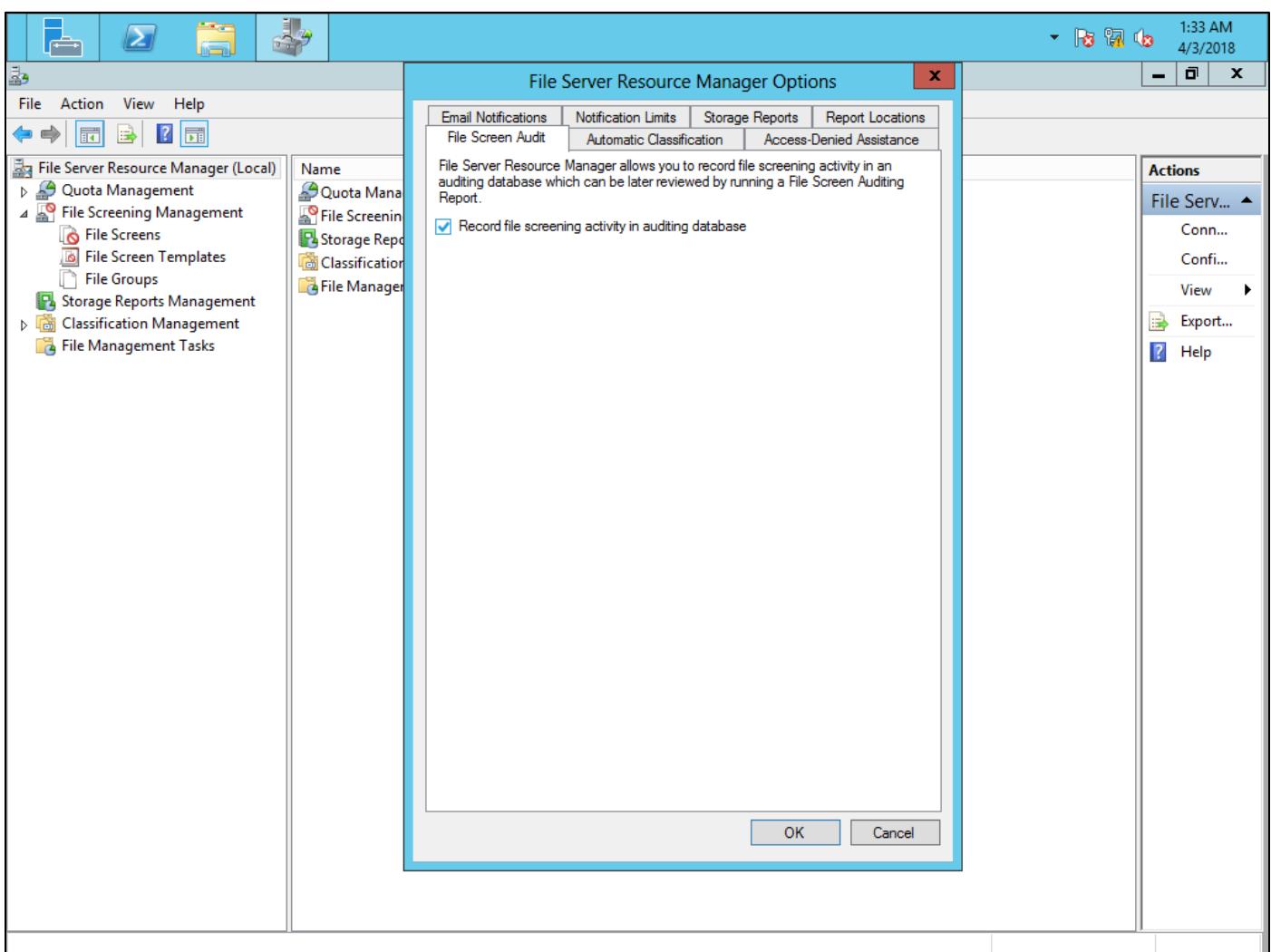
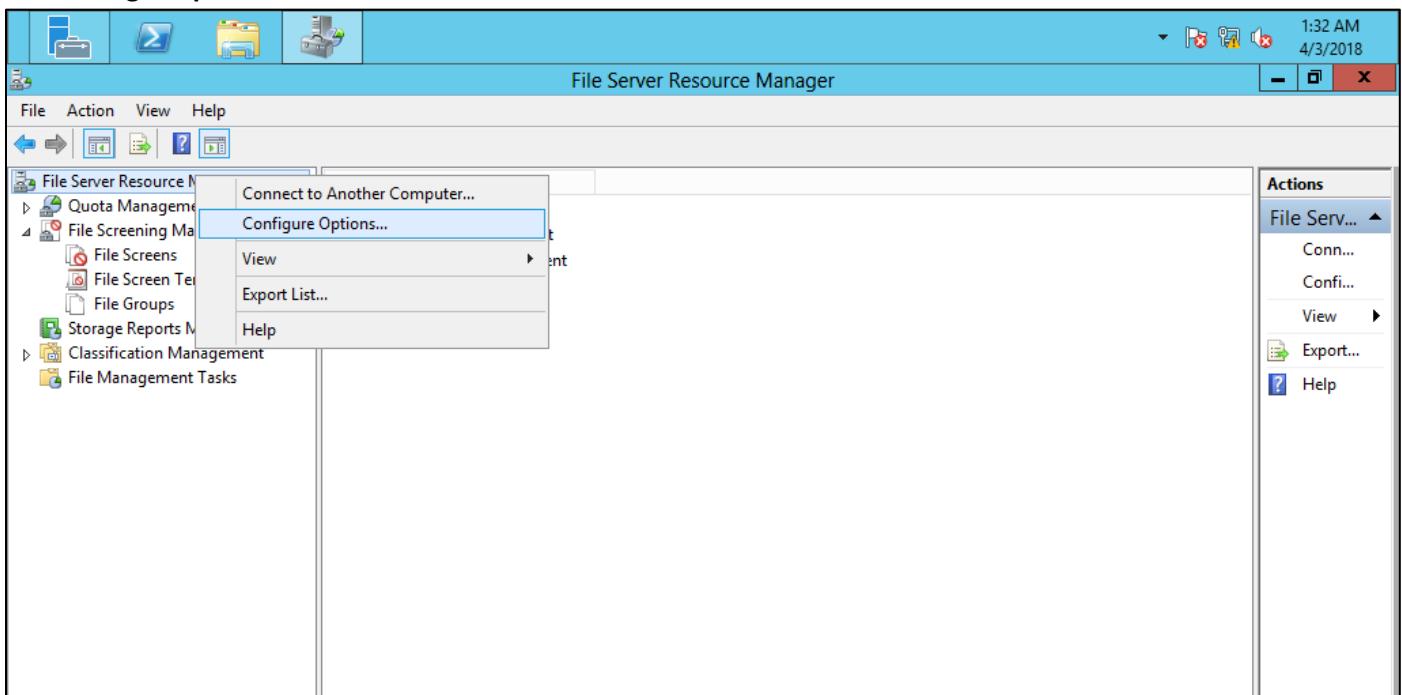


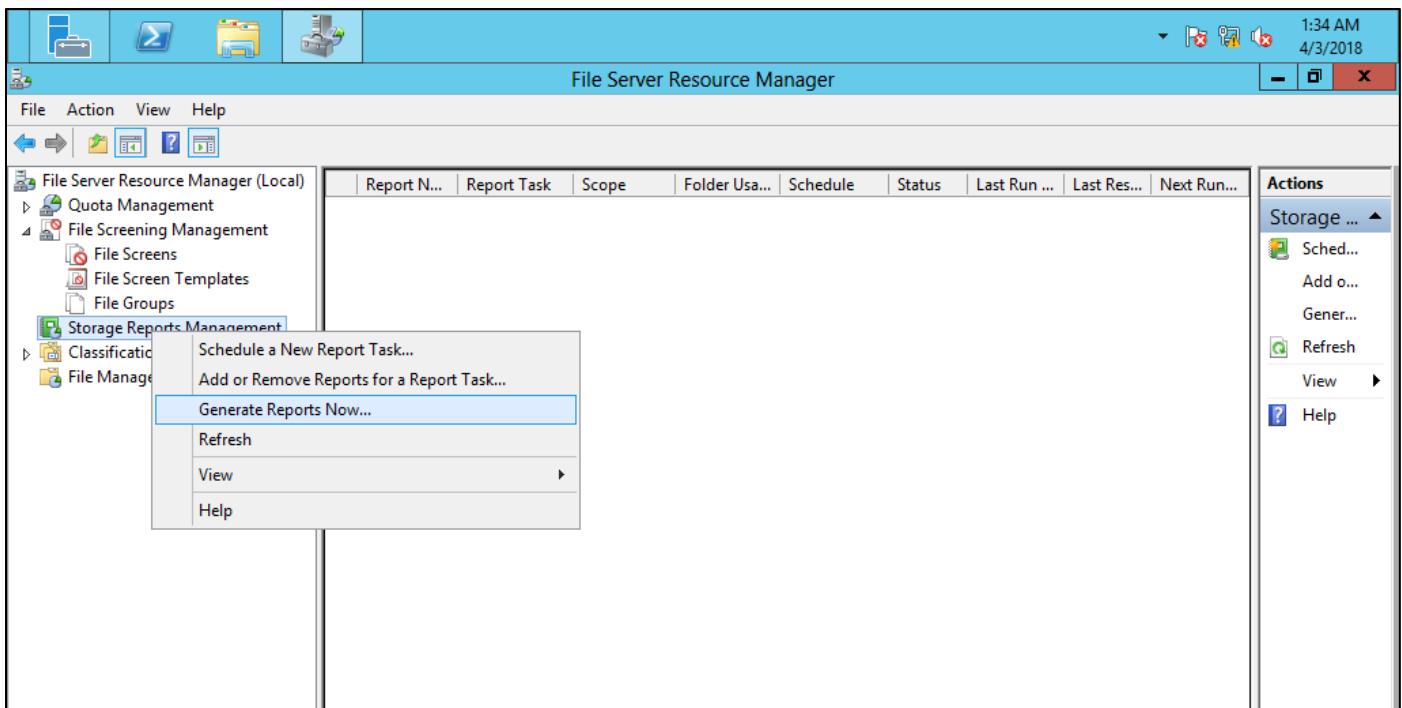
Appling group1 for file screening using 'Custom Properties':



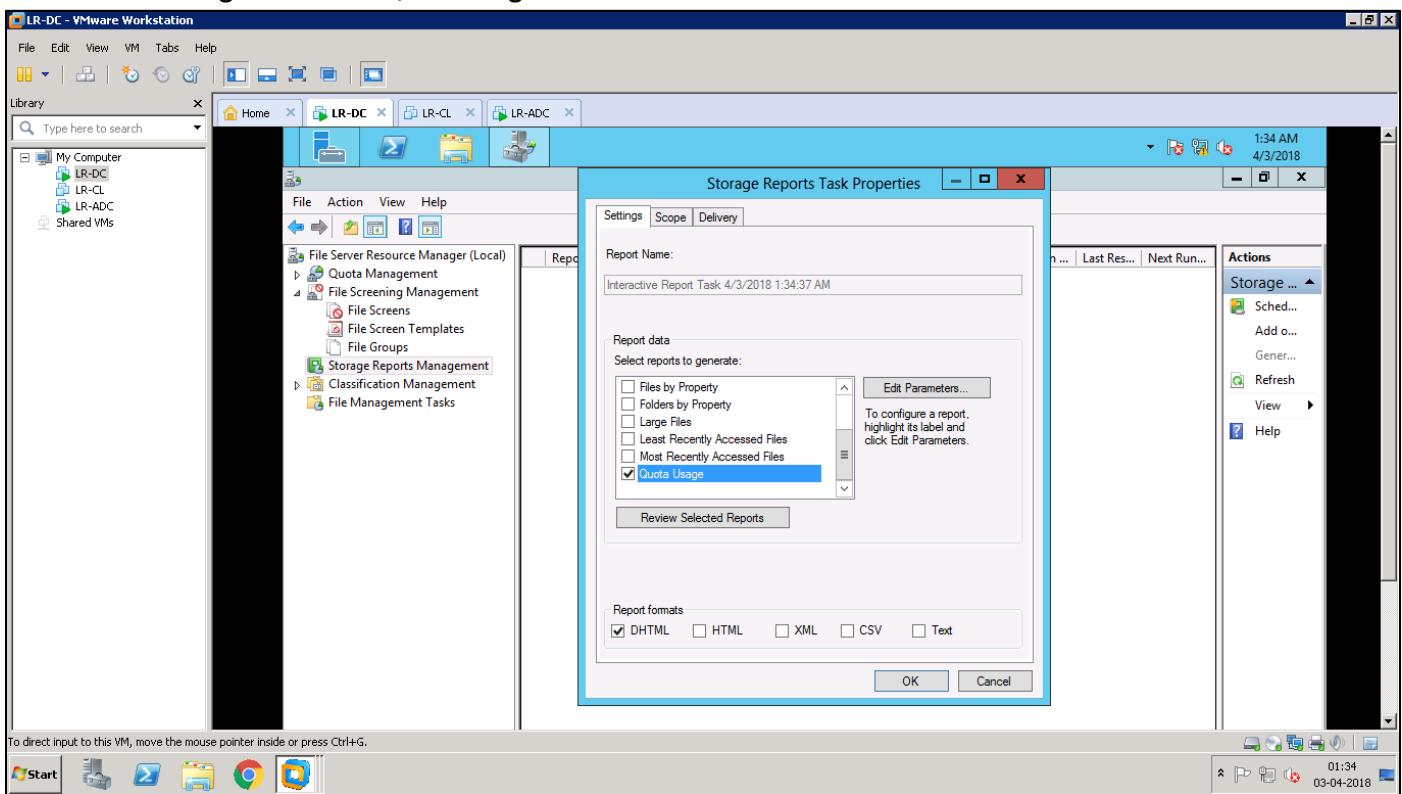
Blocking .mp3 files after file screening:

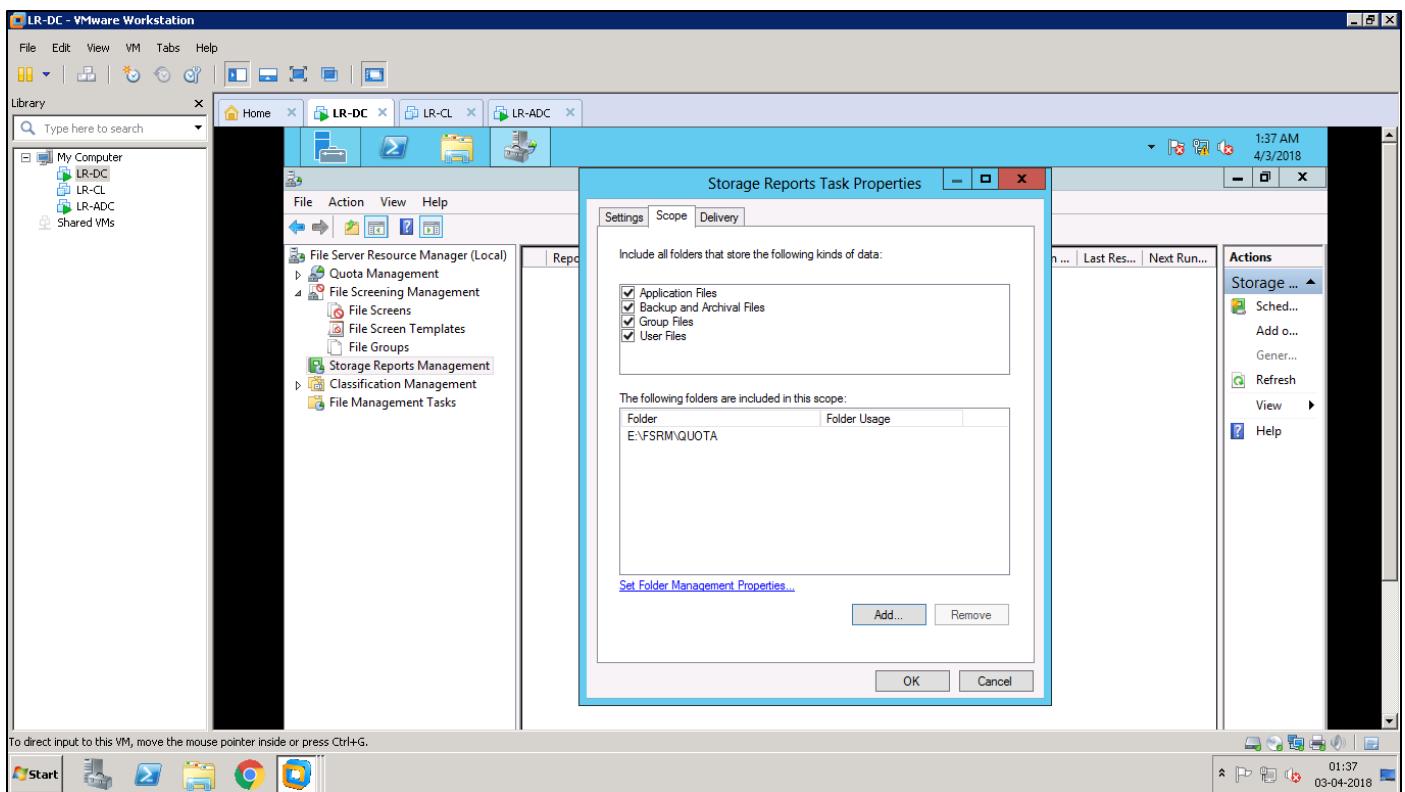


******Storage Report:**

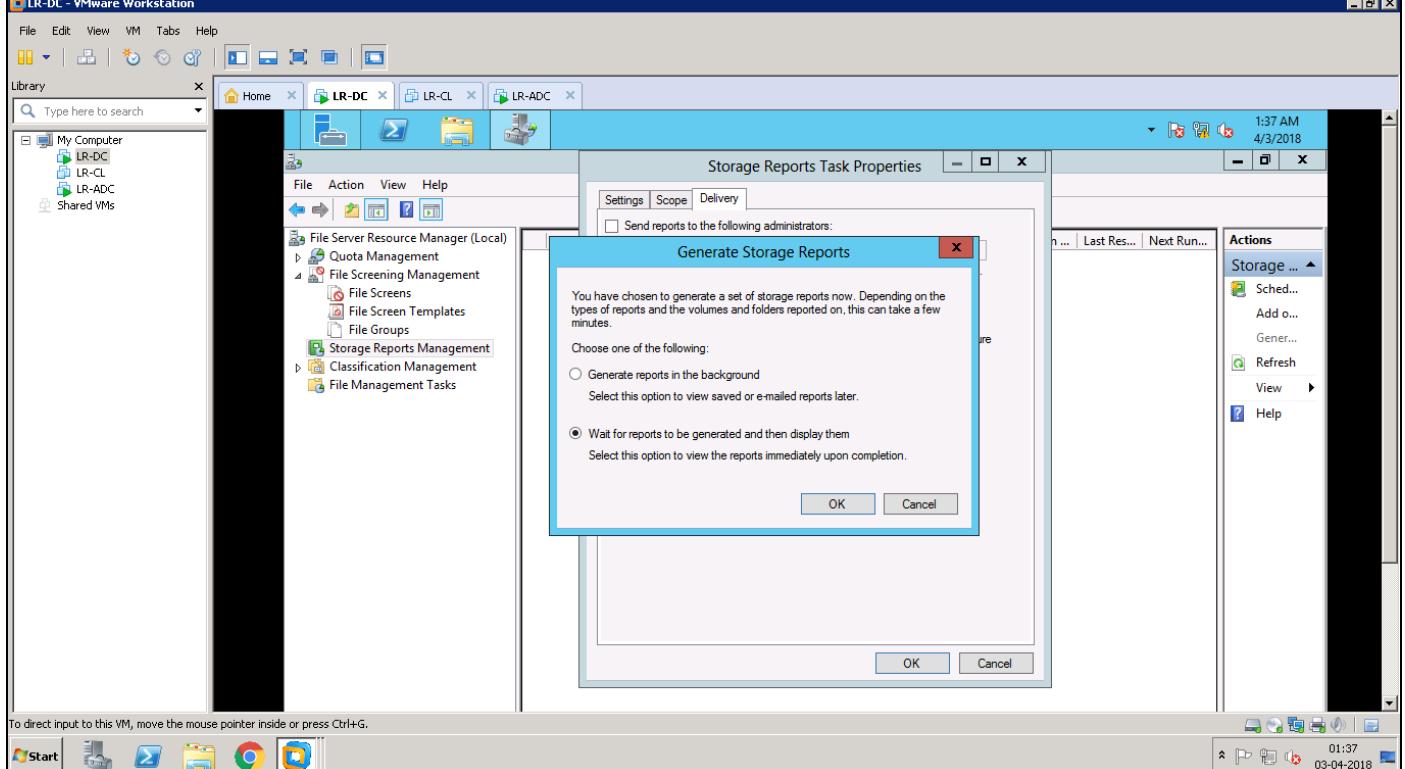


Tick 'File Screening Audit' and 'Quota Usage':





To direct input to this VM, move the mouse pointer inside or press Ctrl+G.



To direct input to this VM, move the mouse pointer inside or press Ctrl+G.



Click 'OK'

1:39 AM
4/3/2018

[\\lr-dc\c\\$\StorageReports\Interactive\QuotaUsage3_2018-04-0](\\lr-dc\c$\StorageReports\Interactive\QuotaUsage3_2018-04-0)

Quota Usage Report
Generated at: 4/3/2018 1:38:02 AM

Report Description: Lists the quotas that exceed a certain disk space usage level. Use this report to quickly identify quotas that may soon be exceeded so that you can take the appropriate action.

Machine: LR-DC

Report Folders: 'Application Files ()', 'Backup and Archival Files ()', 'Group Files ()', 'User Files ()', 'E:\FSRM\QUOTA'

Parameters: Minimum Quota used percent: 0%

[Quota Usage Report Table of Contents](#)

[Report Totals](#)
[Report statistics](#)

Report Totals			
Quotas shown in report		All quotas matching report criteria	
Quotas	Total Usage	Quotas	Total Usage
1	40.0 MB	1	40.0 MB

[To top of the current report](#)

Report statistics					
Folder	Owner	Quota	Usage	Used	Peak Usage

1:41 AM
4/3/2018

[\\lr-dc\c\\$\StorageReports\Interactive\FileScreenAudit2_2018-0](\\lr-dc\c$\StorageReports\Interactive\FileScreenAudit2_2018-0)

File Screening Audit Report
Generated at: 4/3/2018 1:38:02 AM

Report Description: Lists file screening audit events on the server for a specified period. Use this report to identify users or applications that violate screening policies.

Machine: LR-DC

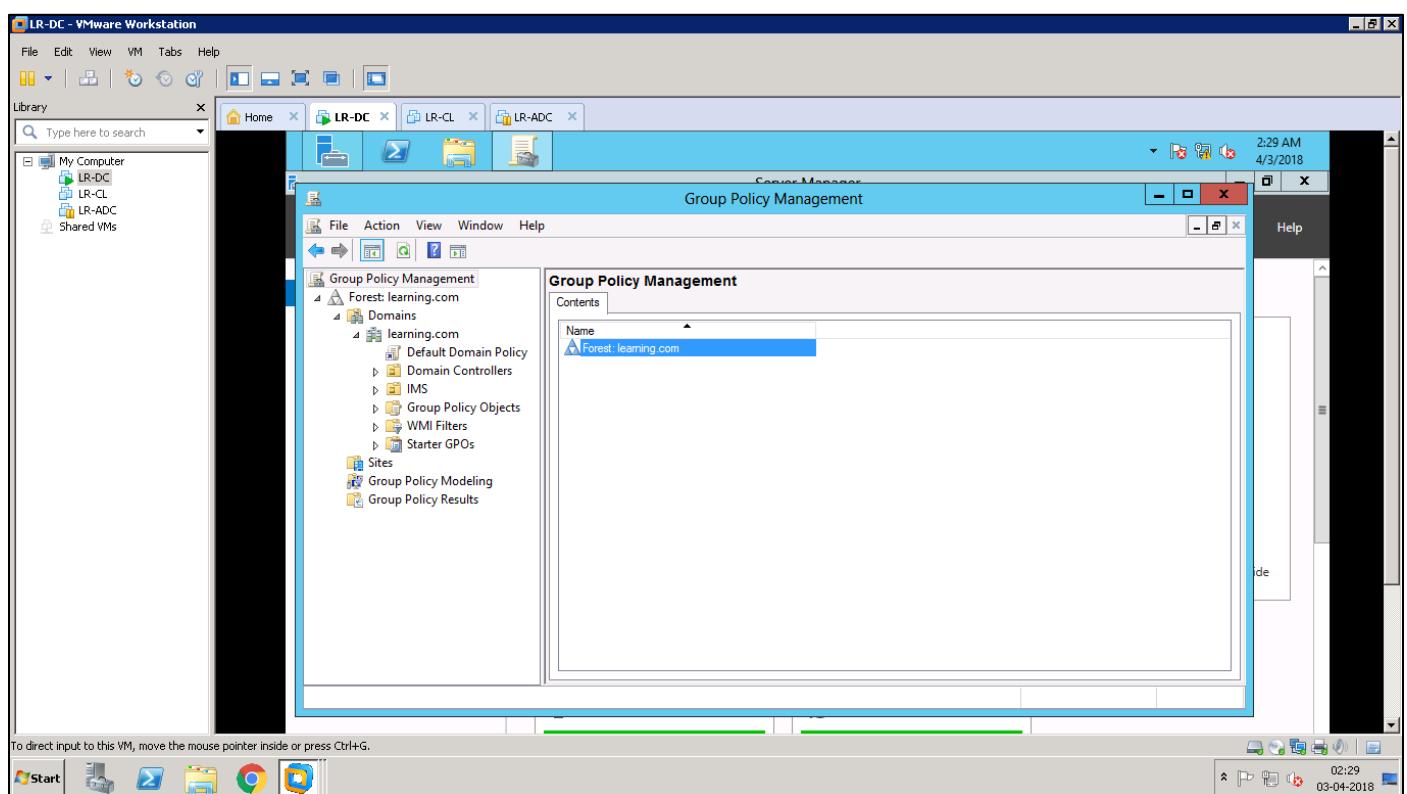
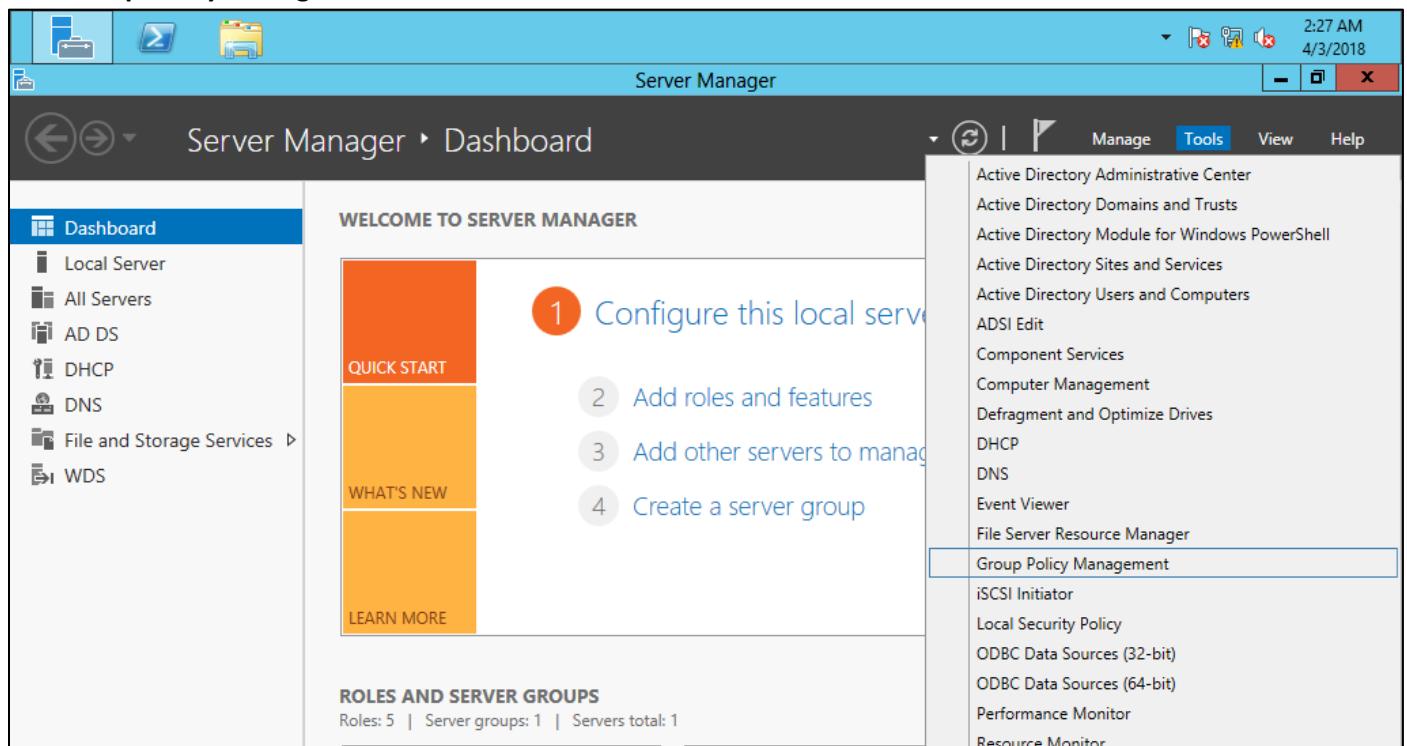
Report Folders: 'Application Files ()', 'Backup and Archival Files ()', 'Group Files ()', 'User Files ()', 'E:\FSRM\QUOTA'

[Report statistics](#)

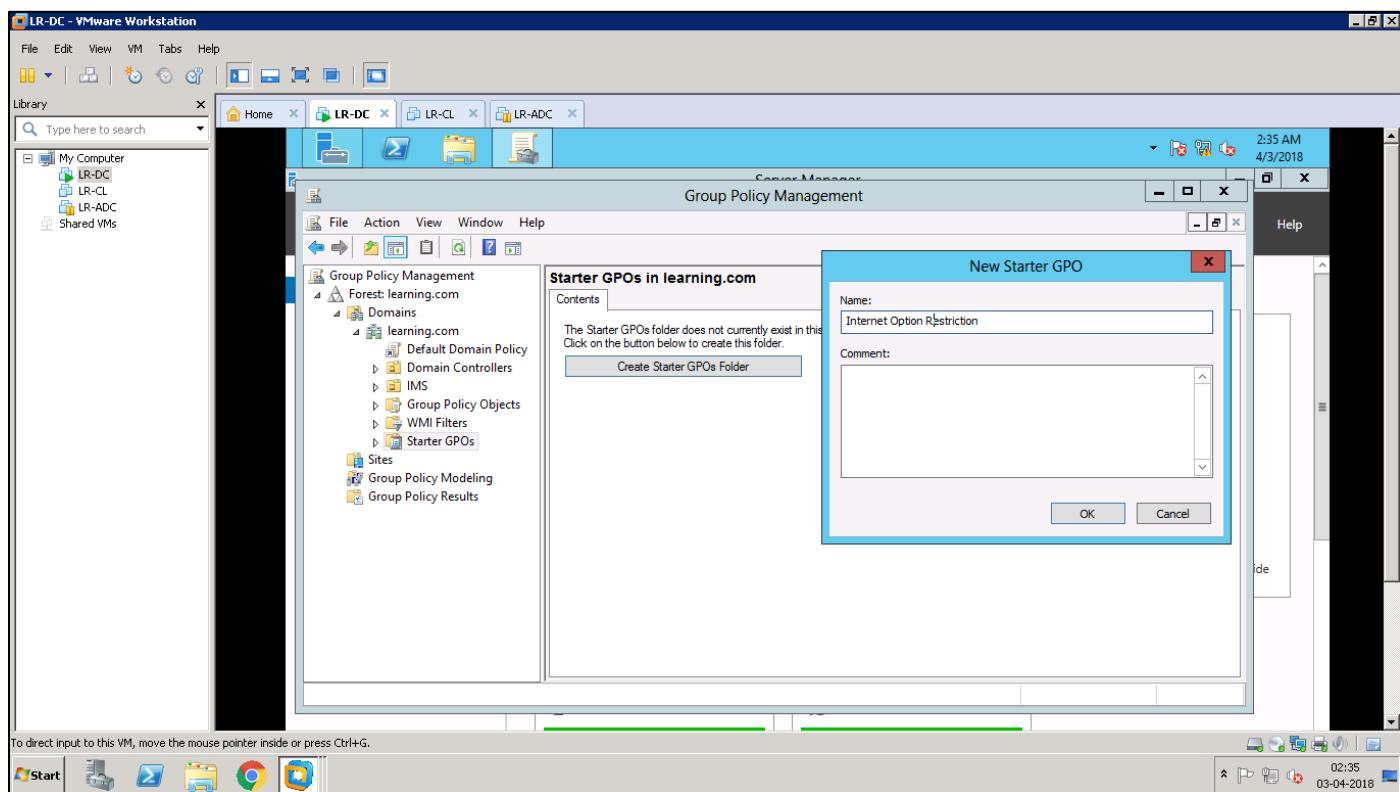
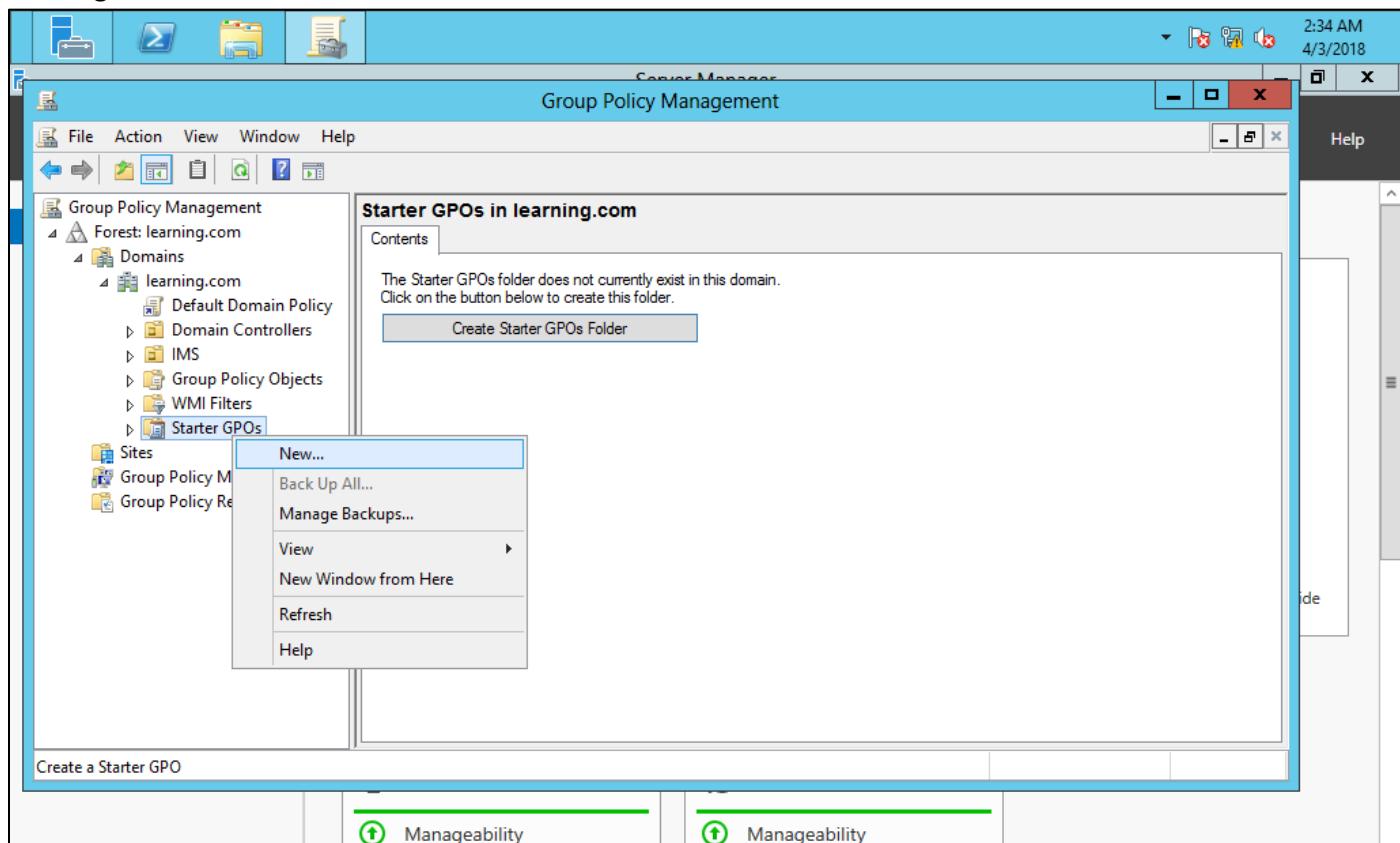
File name	Folder				
File Group	Status	Time	User	Process	File Screen Path

[To top of the current report](#)

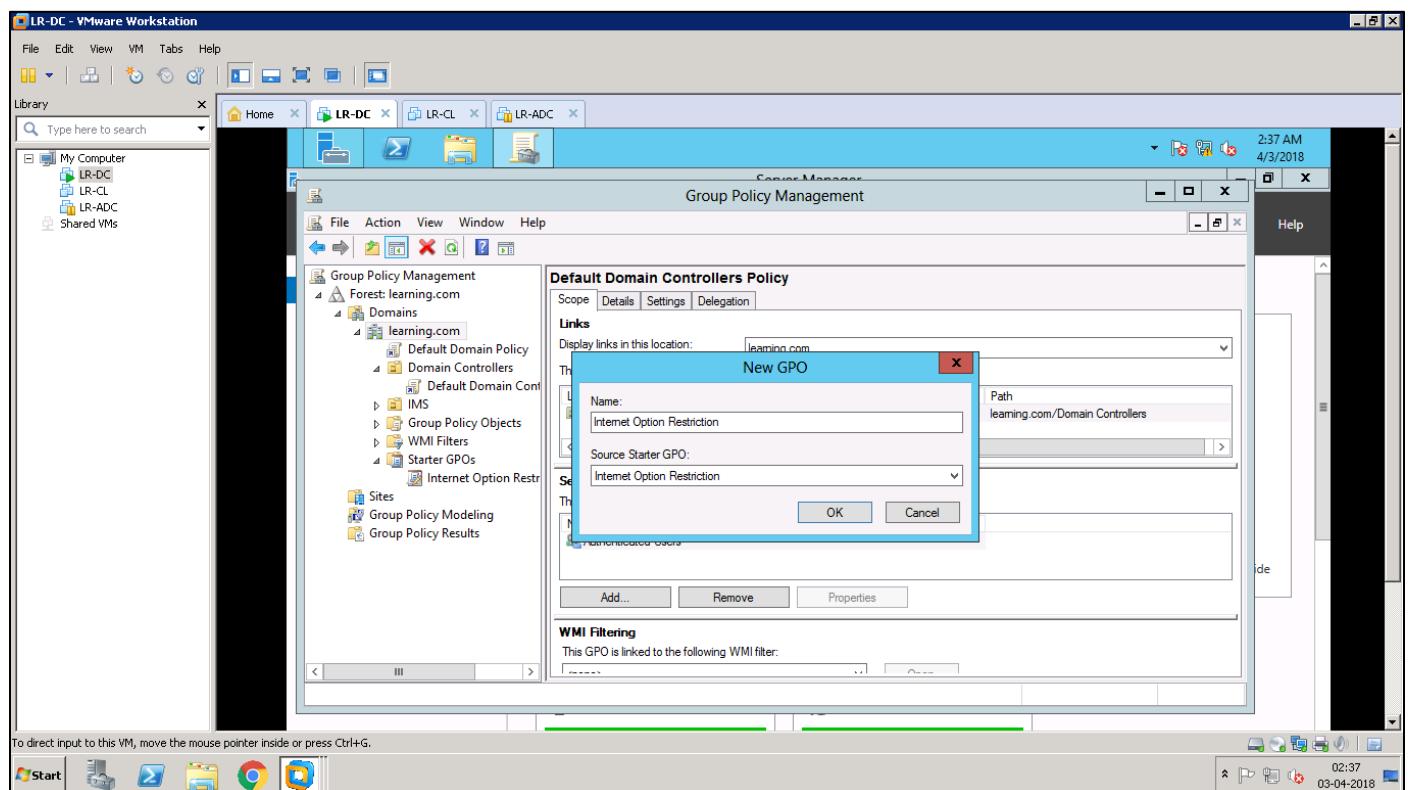
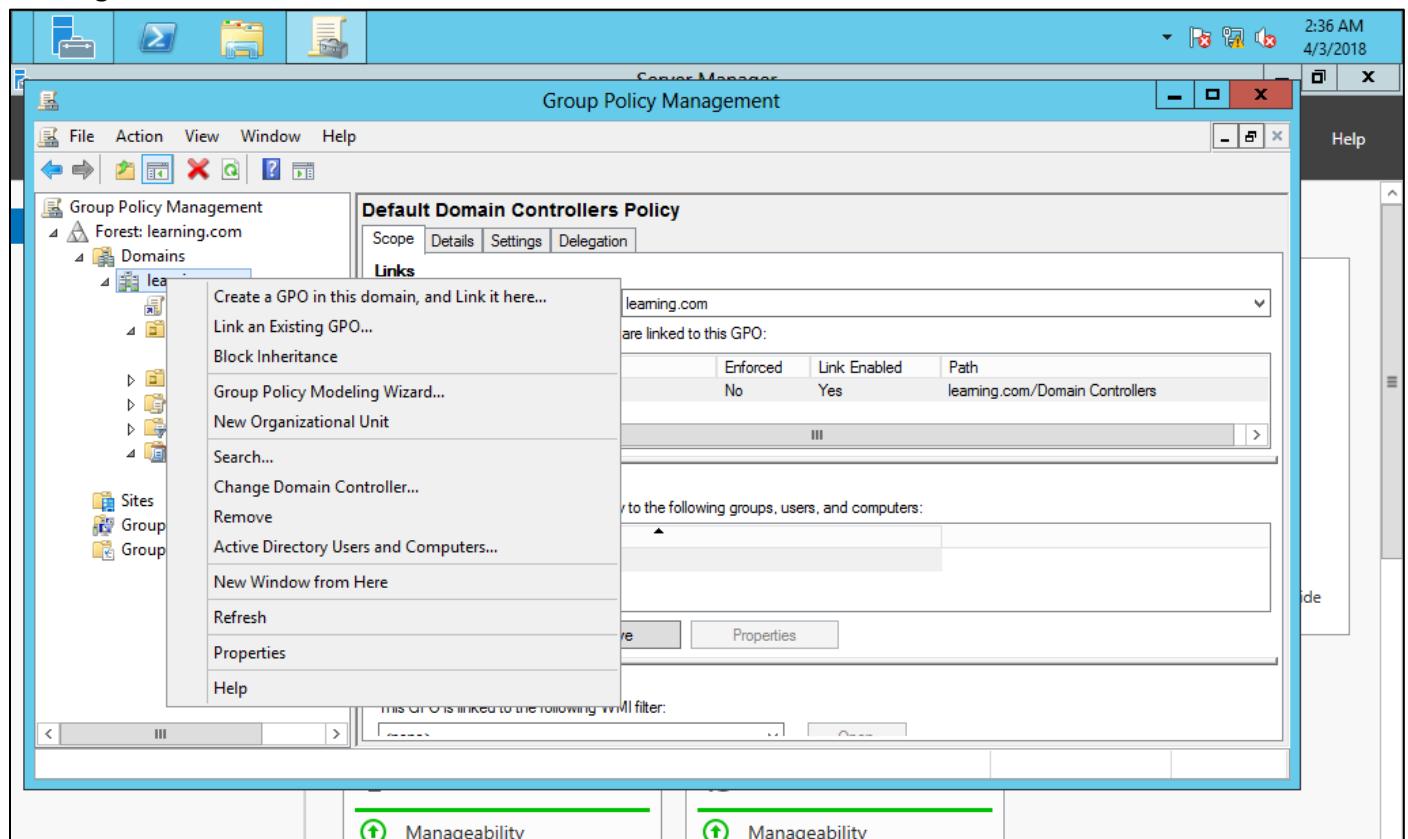
****Group Policy Management:

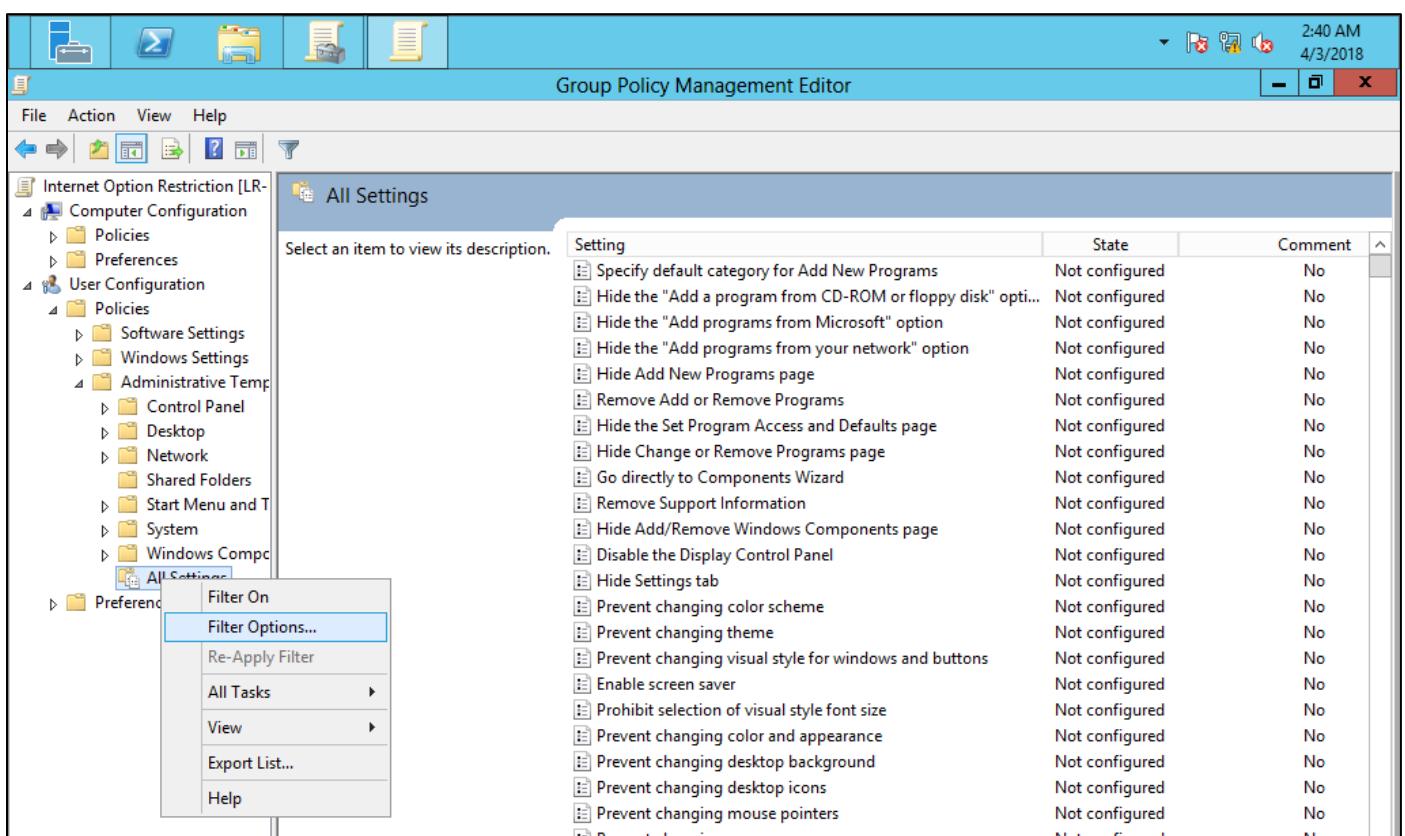
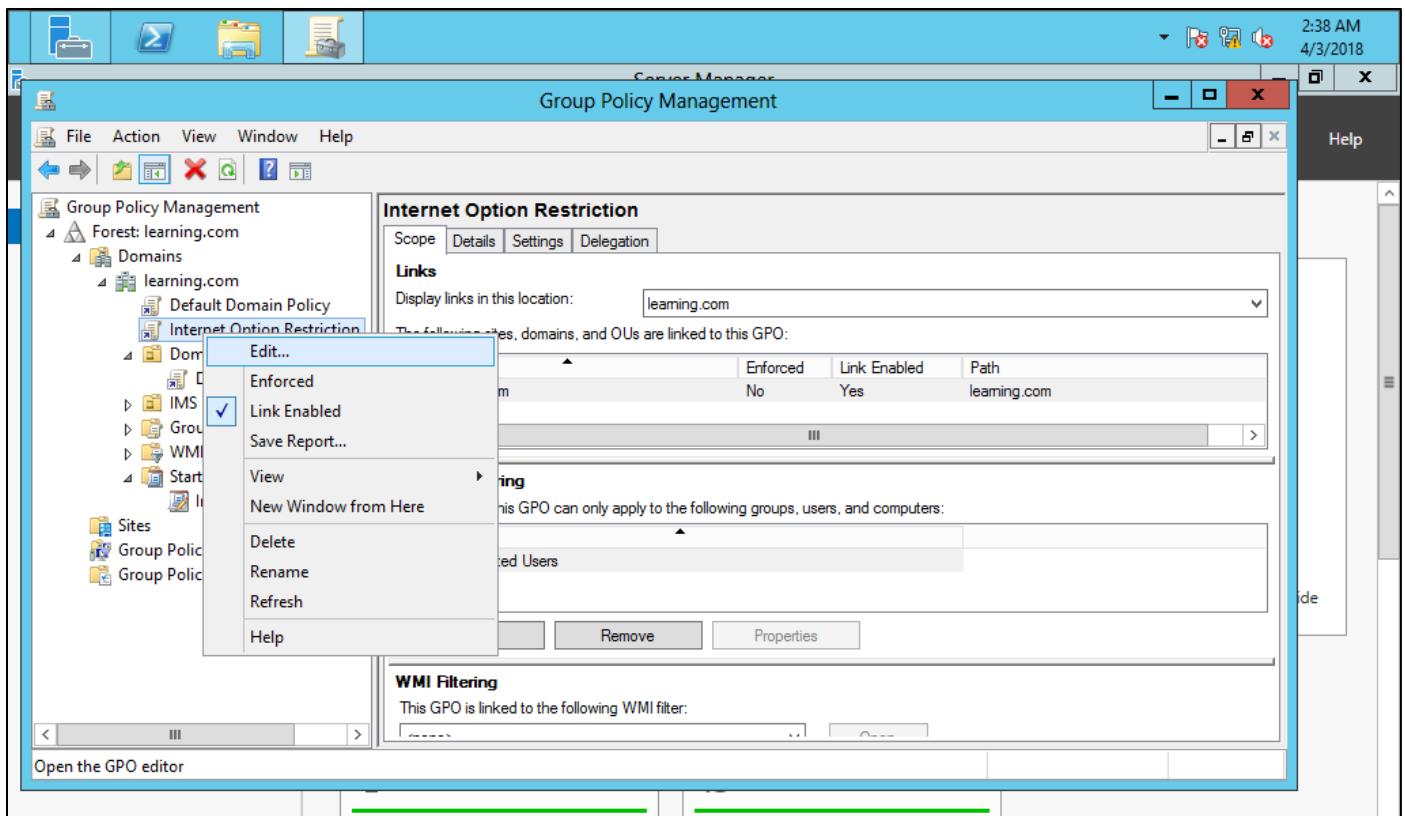


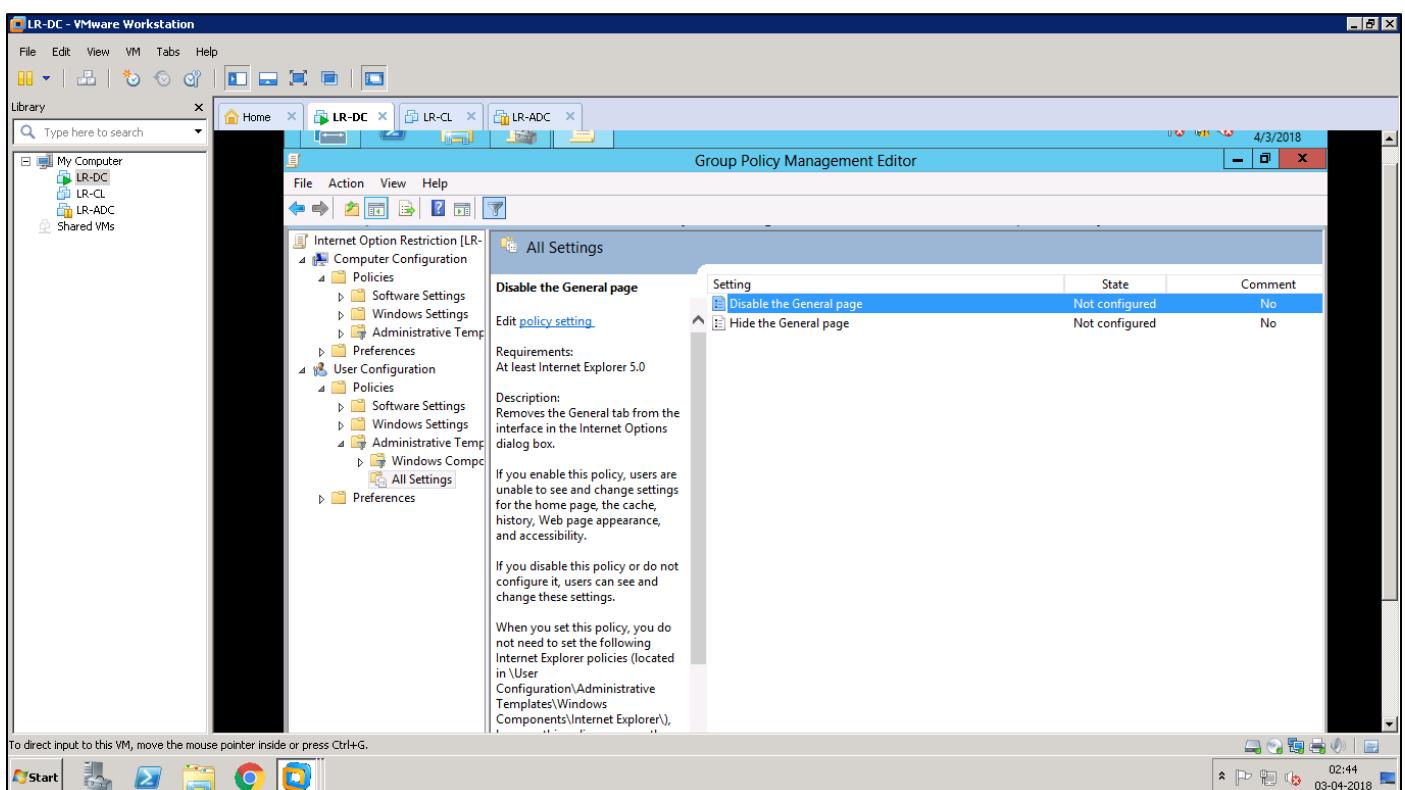
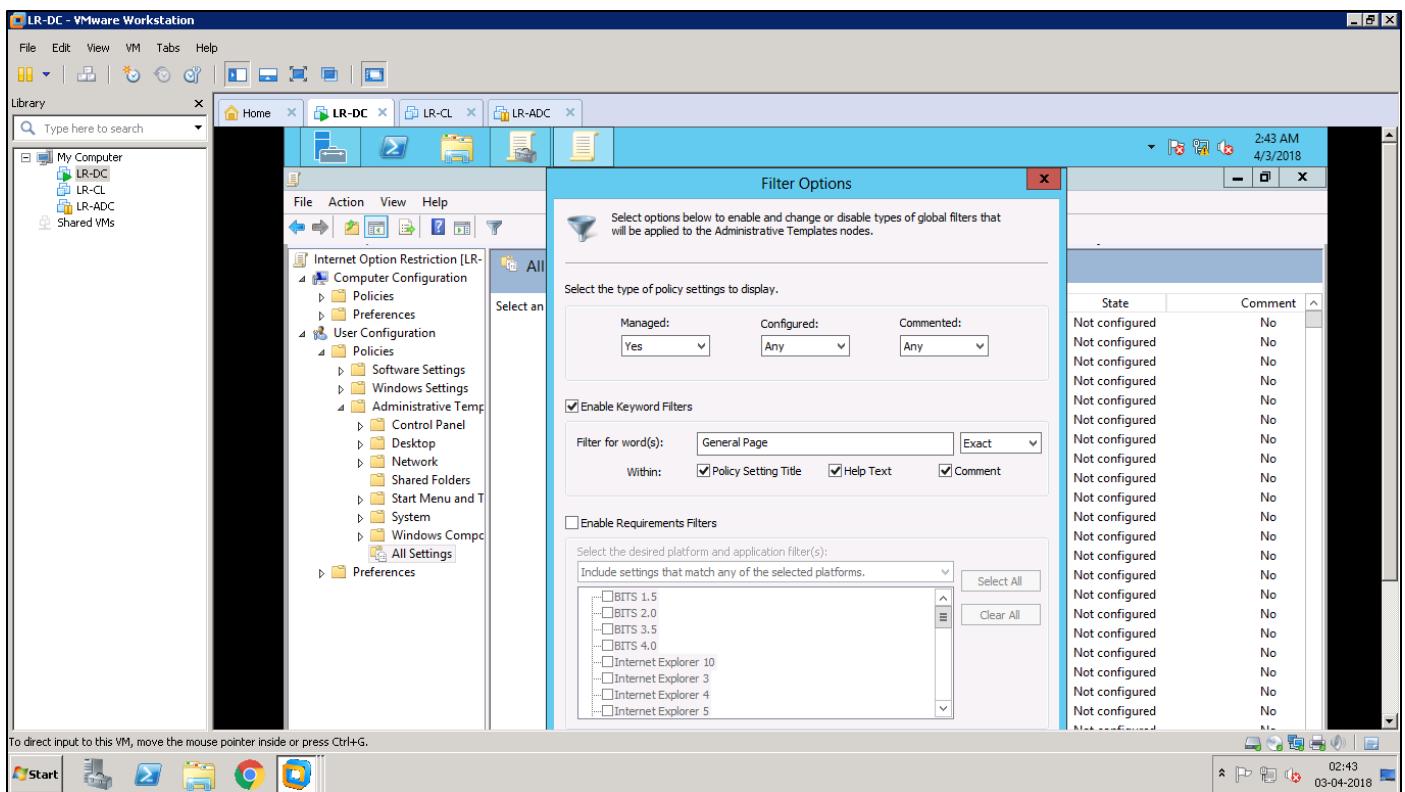
Creating new 'Starter GPO':



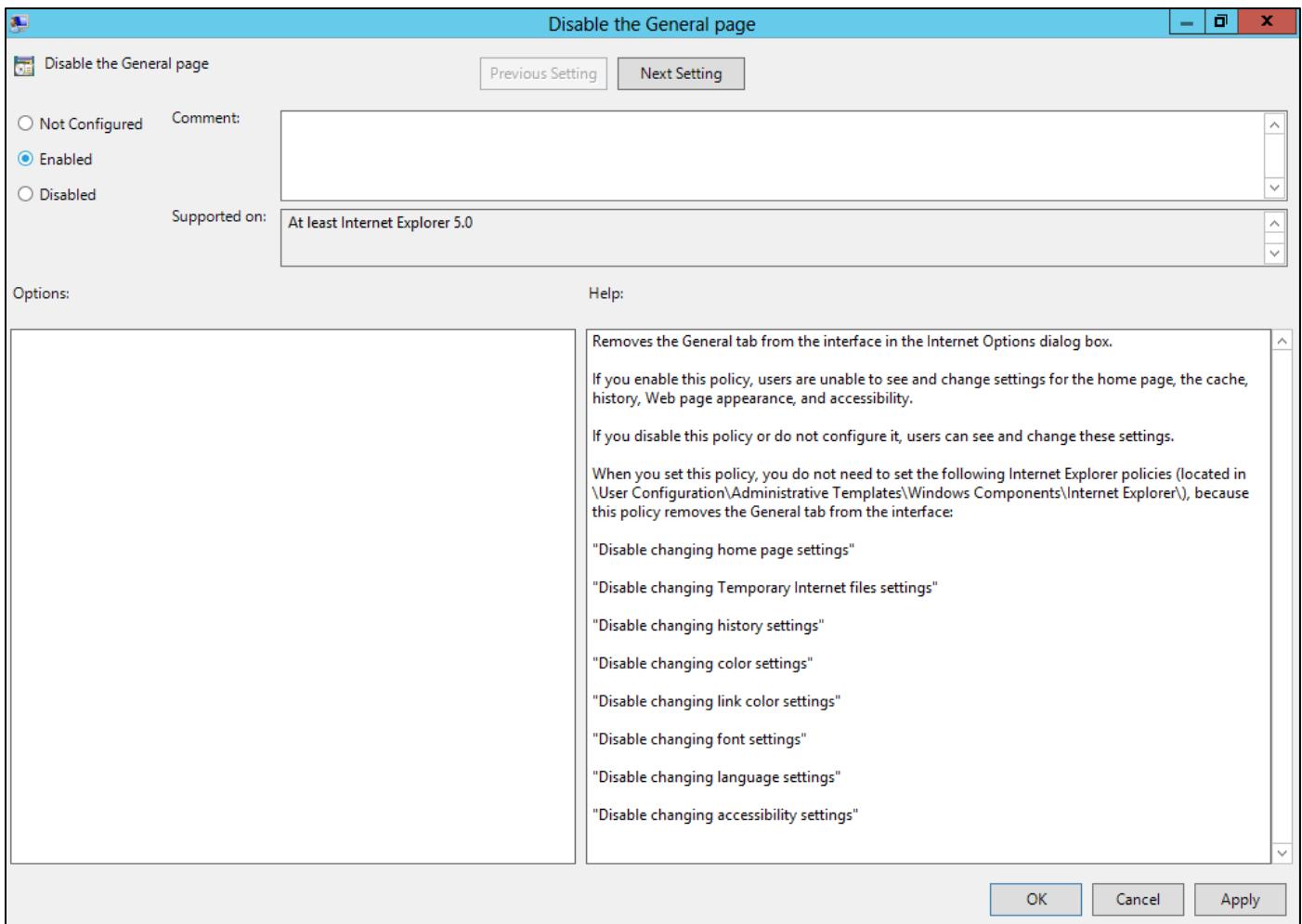
Creating new GPO in this domain:





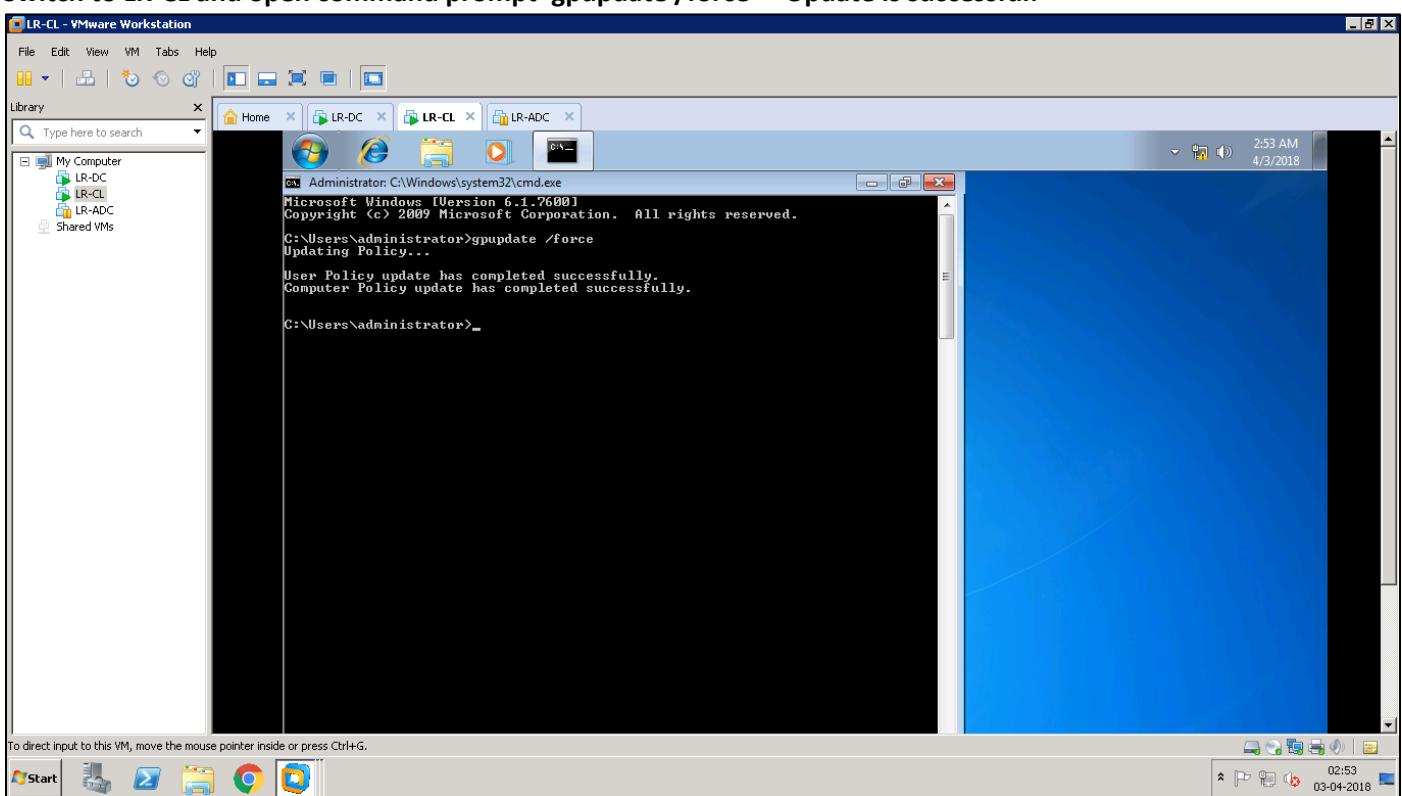


Double click on sorted policy to read more about it

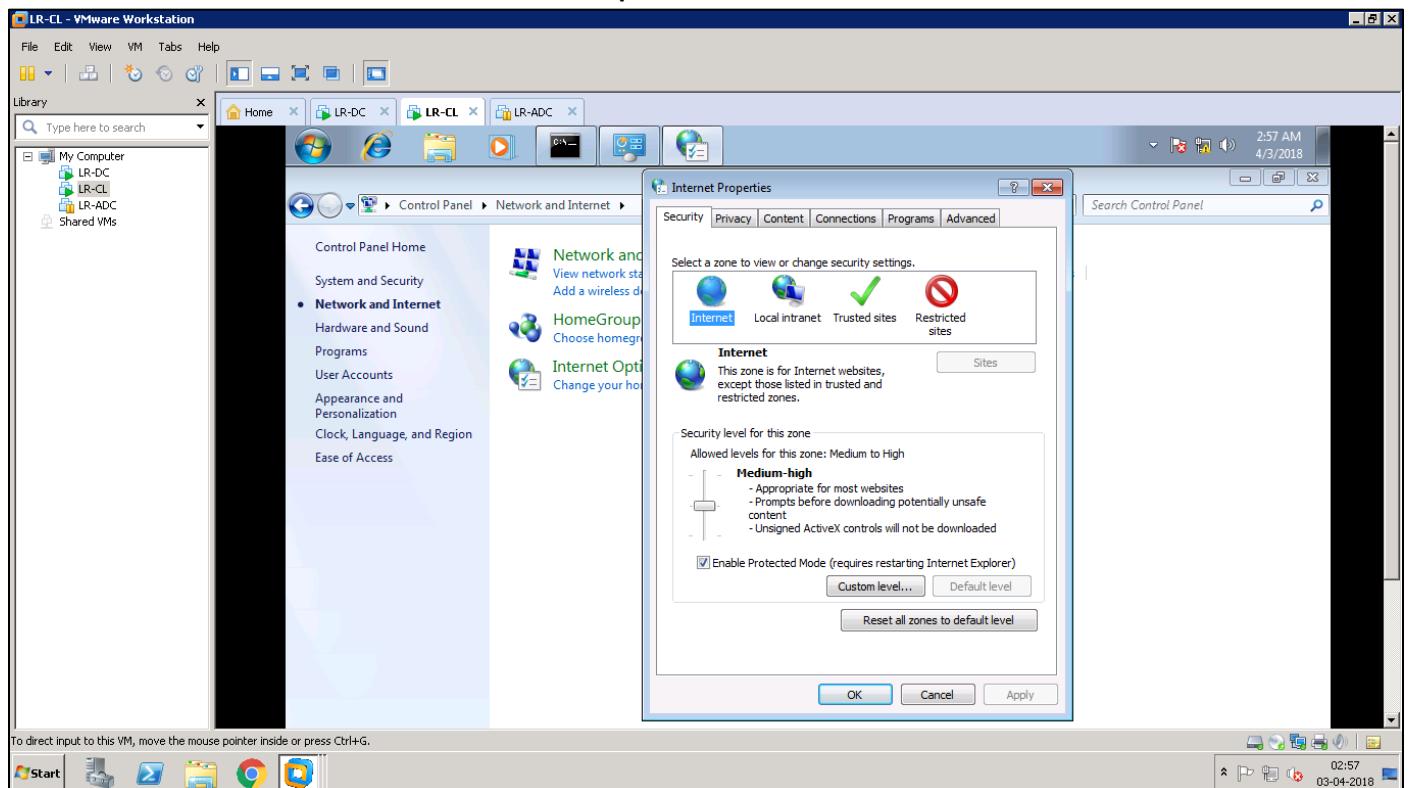


And click 'OK'

Switch to LR-CL and open command prompt 'gpupdate /force' – Update is successful:

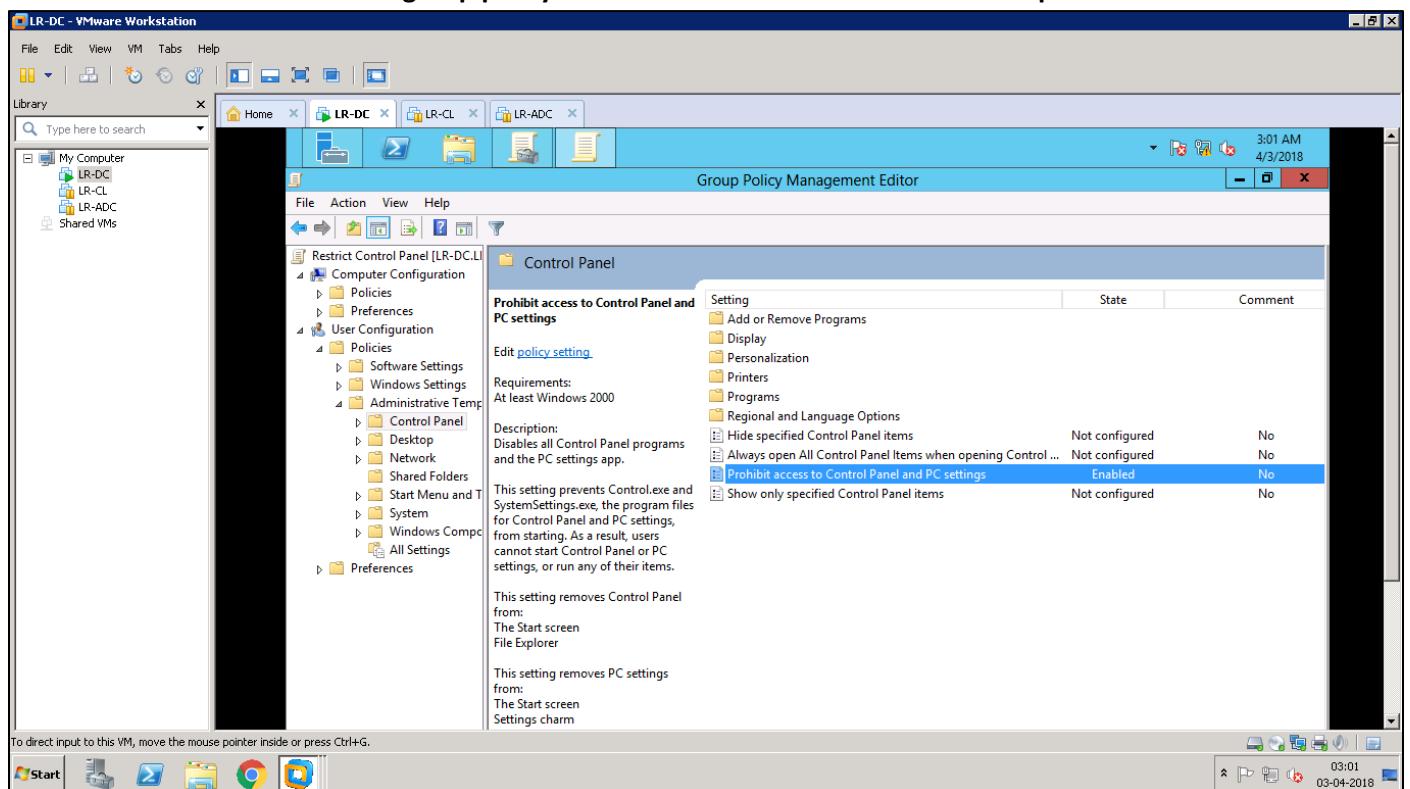


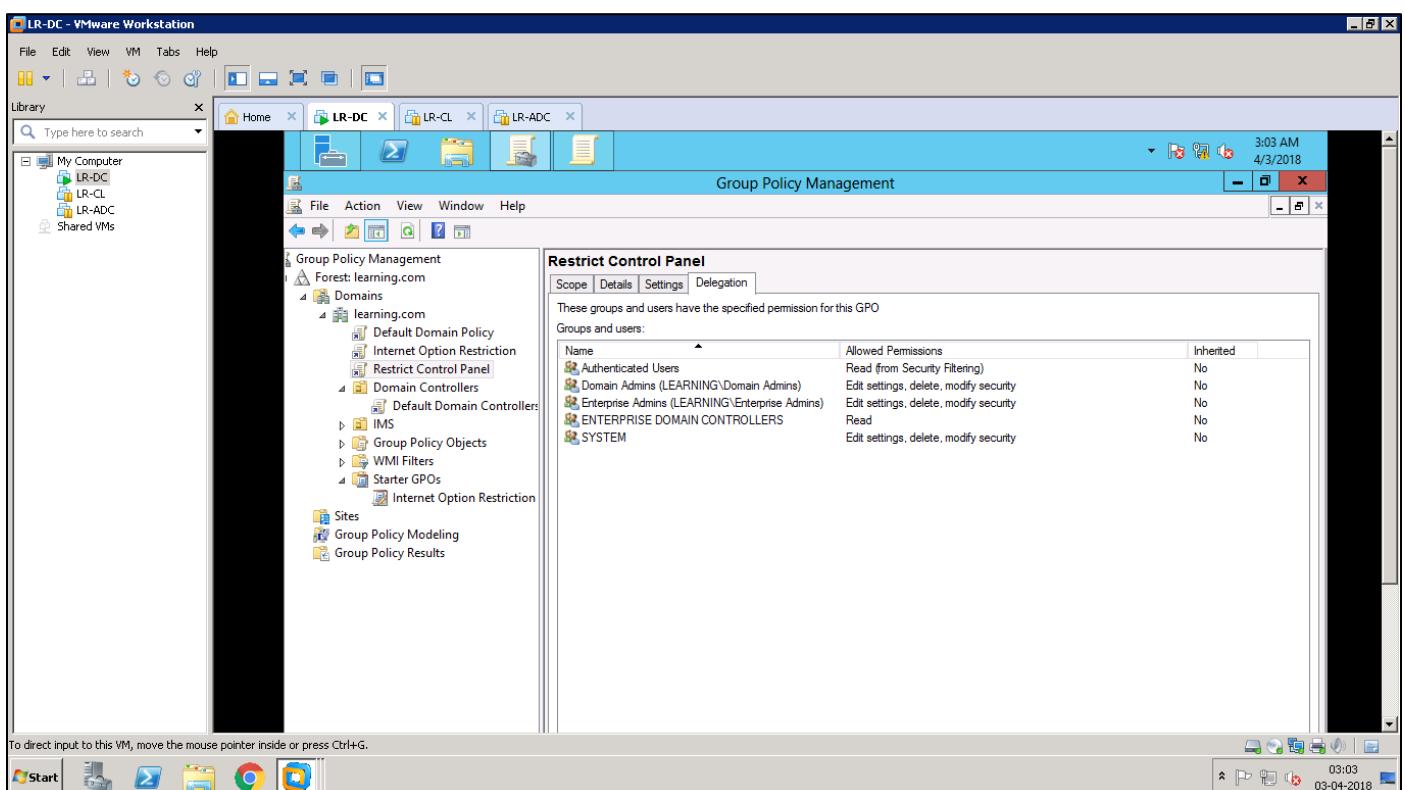
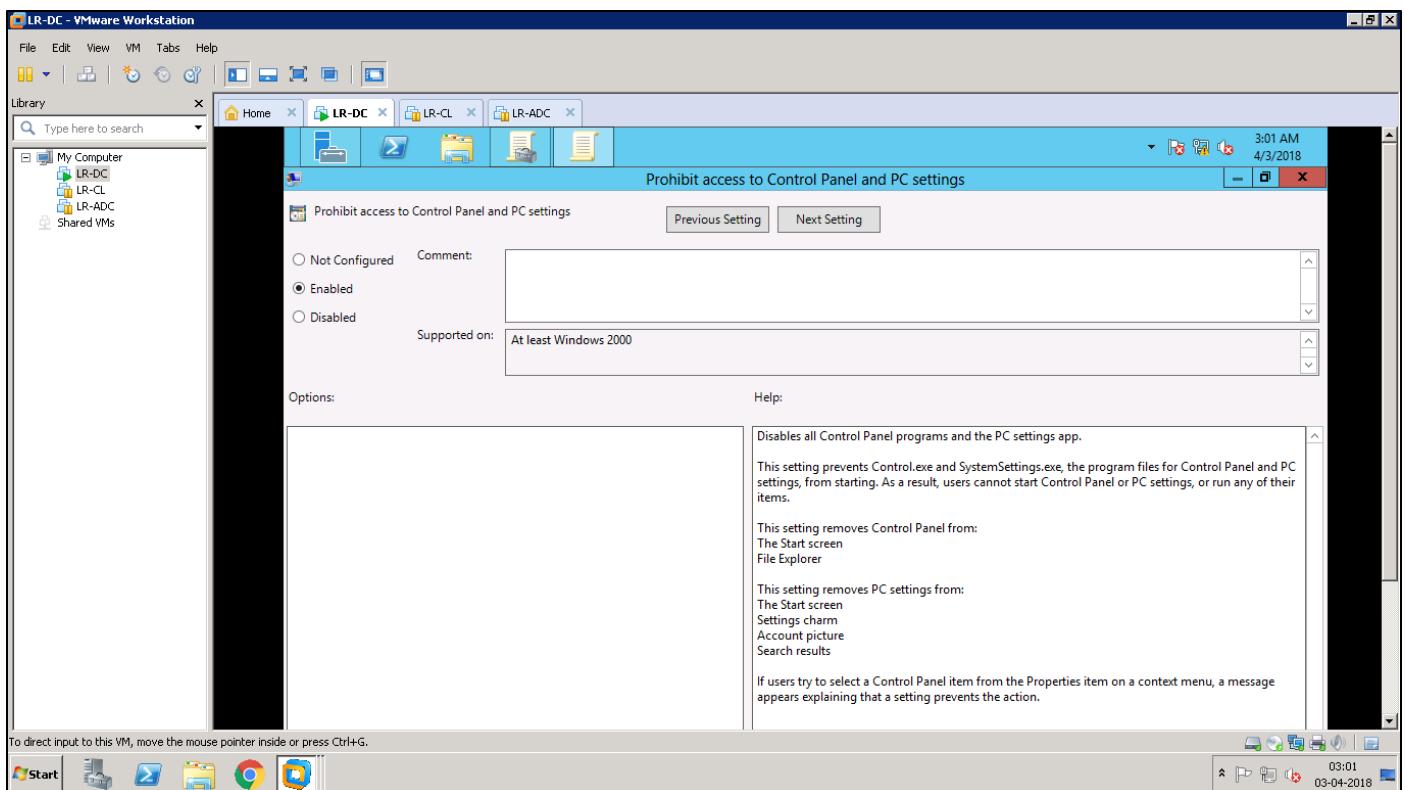
Control Panel – Network and Internet – Internet Options:



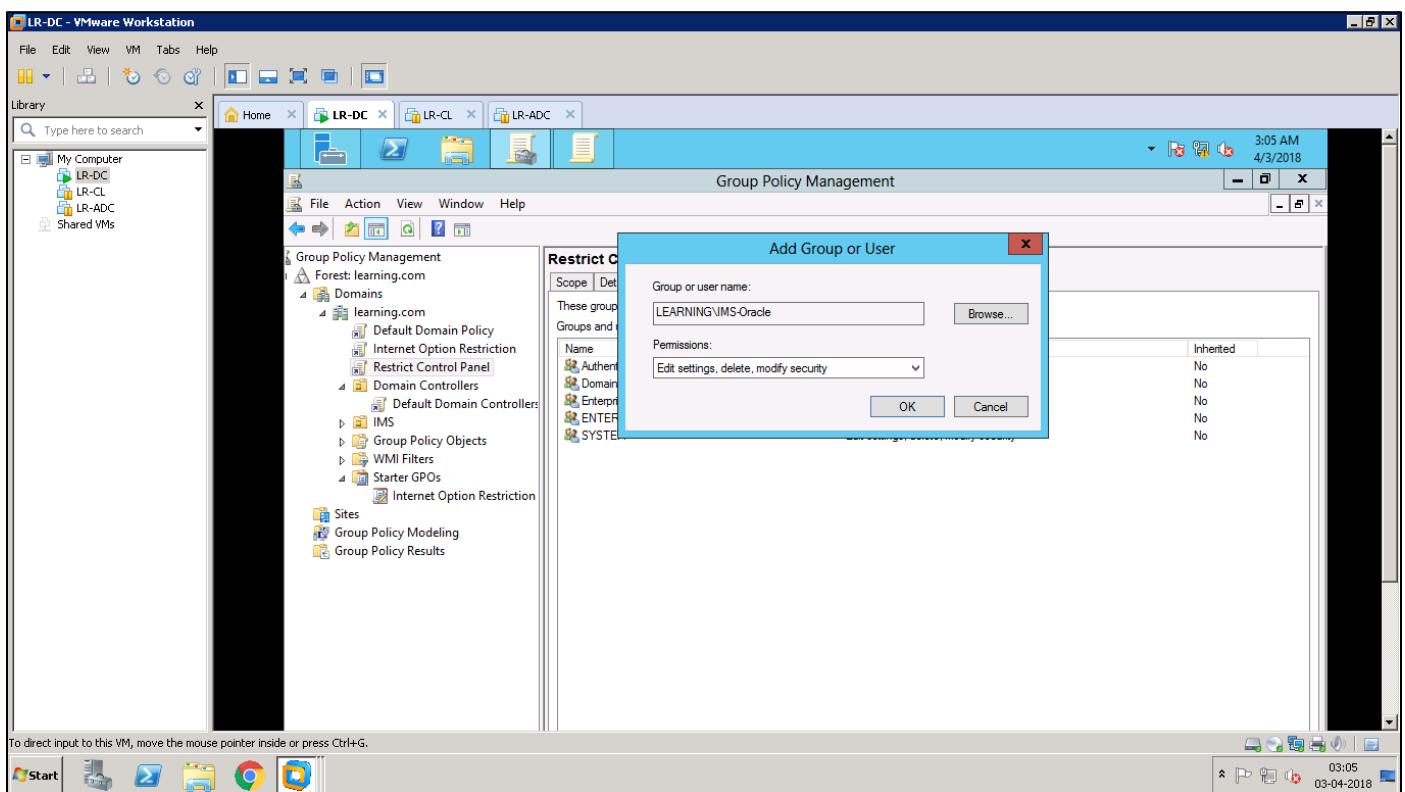
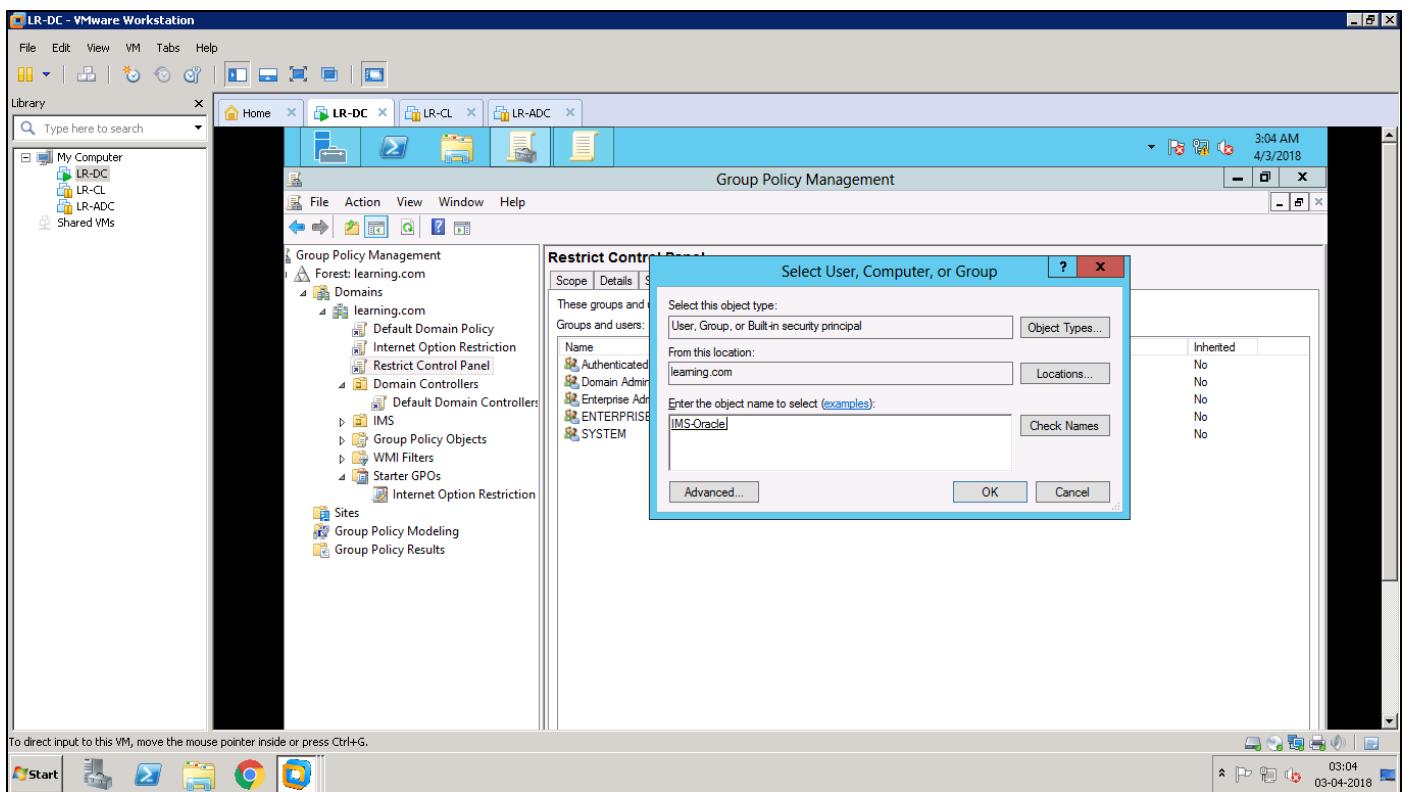
General page of 'Internet Properties' is not visible.

Under 'Control Panel' dedicated group policy is available to restrict access to control panel:

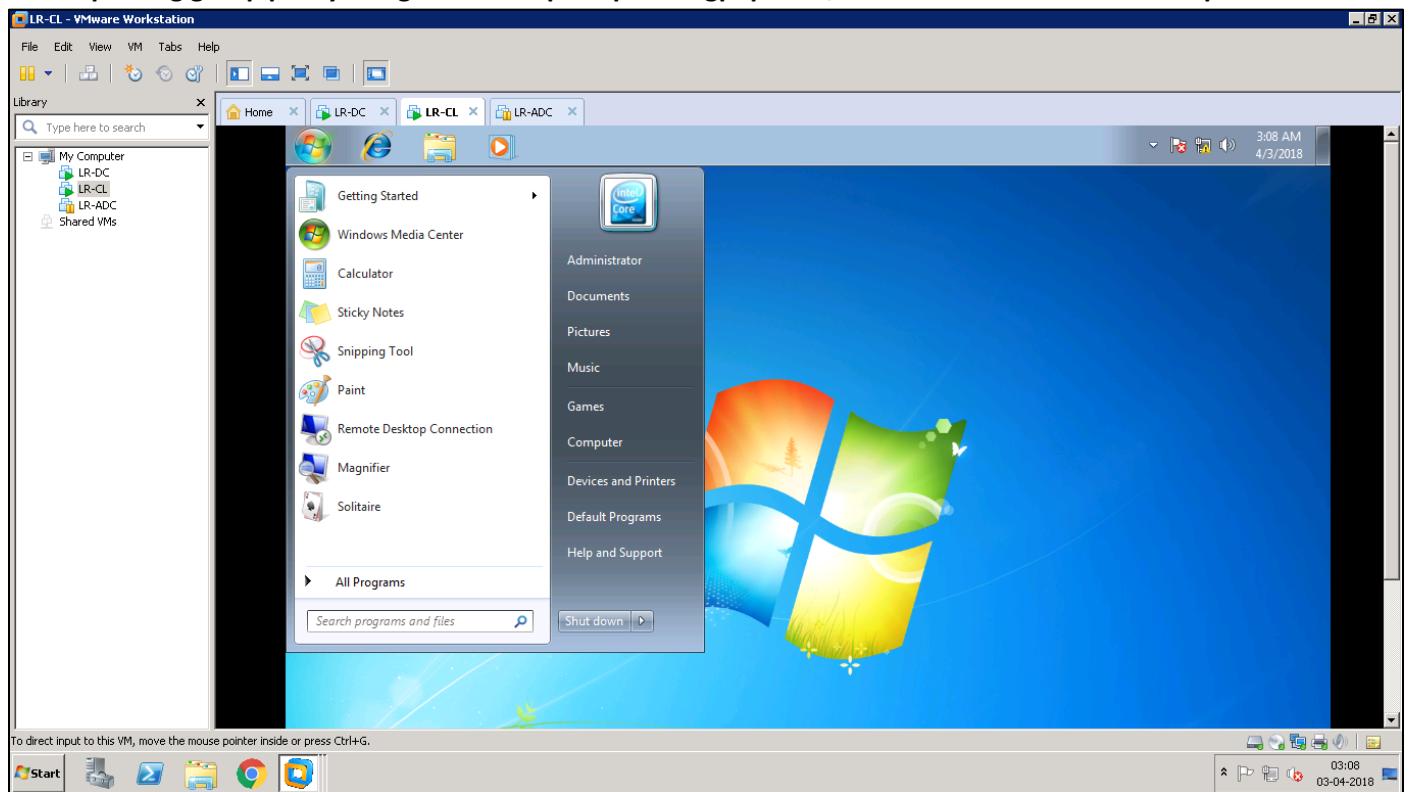




Click on 'Add' after scrolling down.

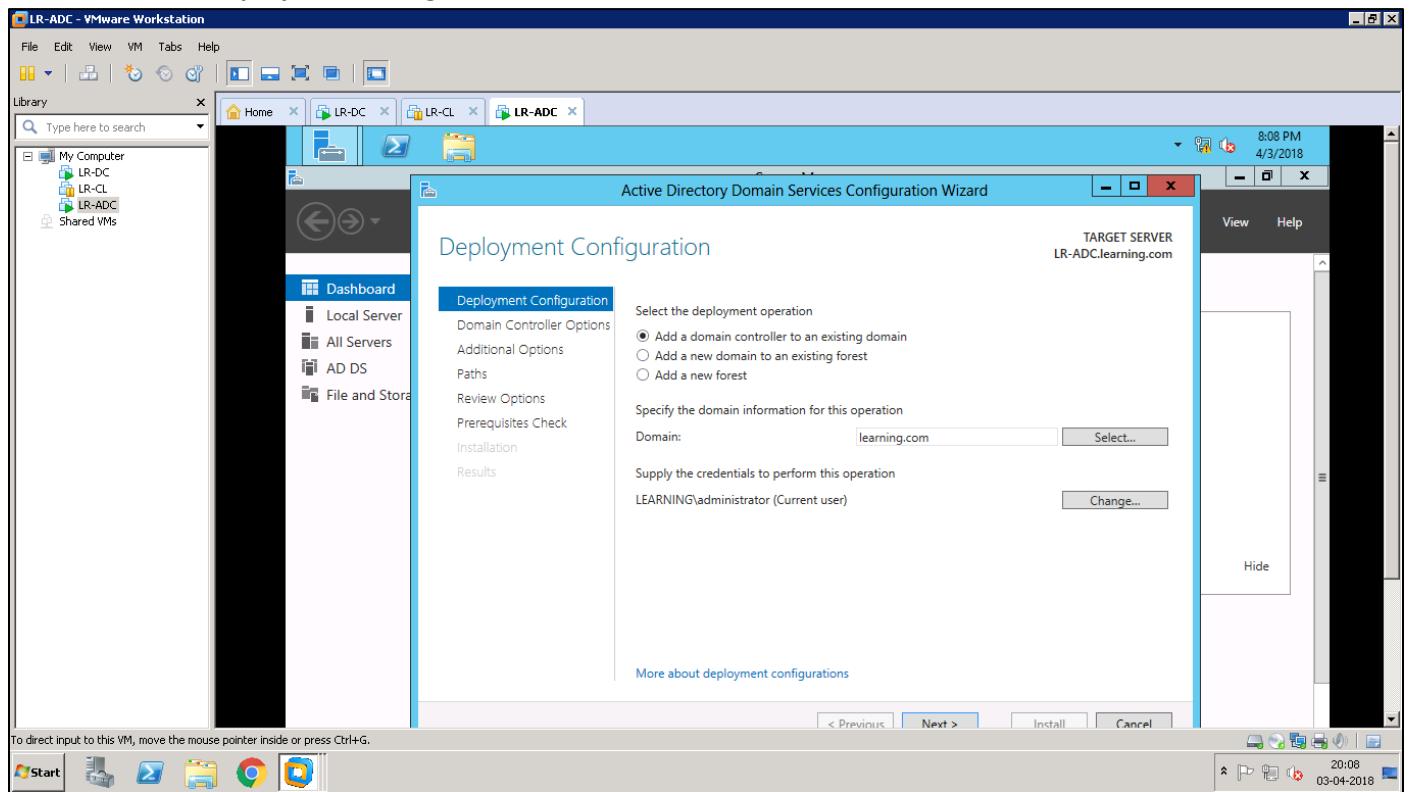


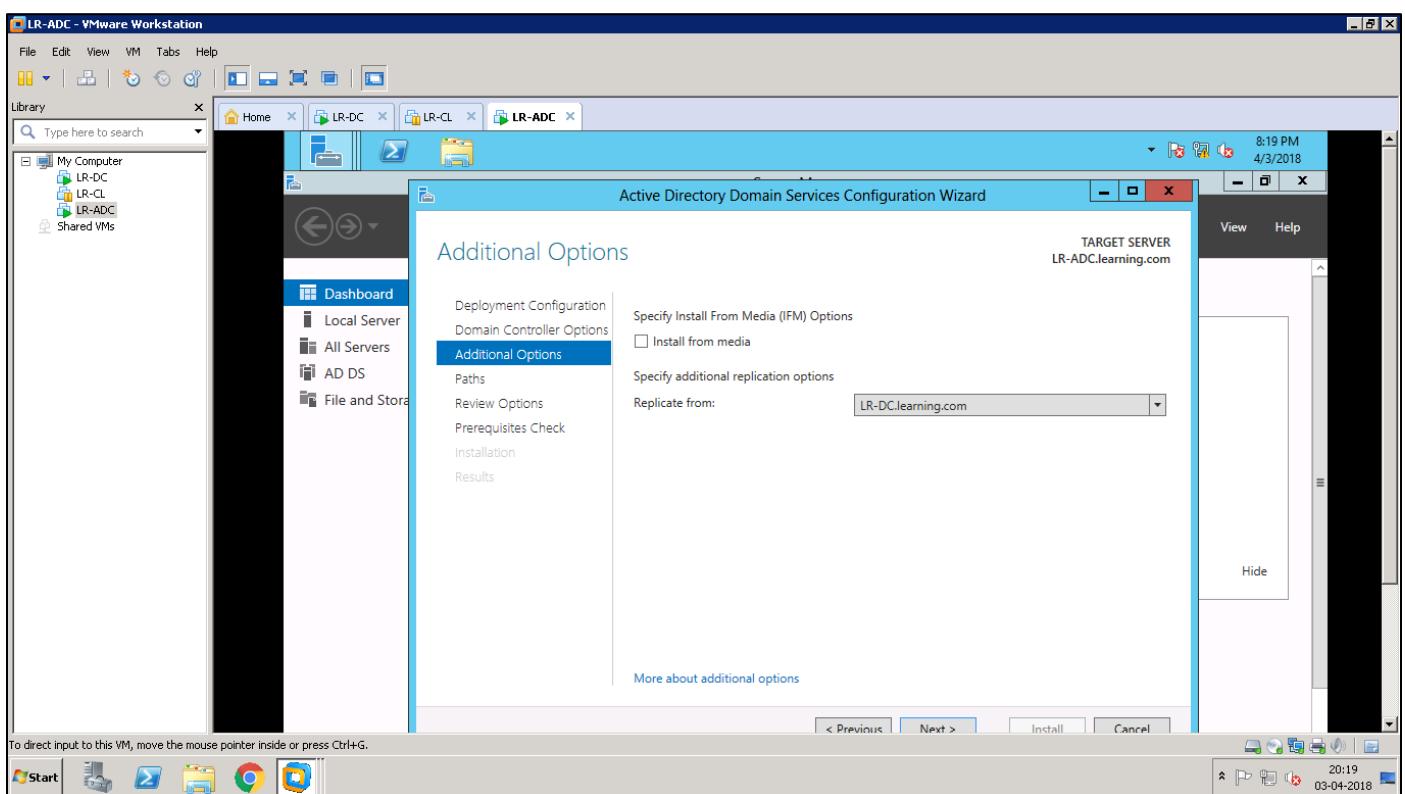
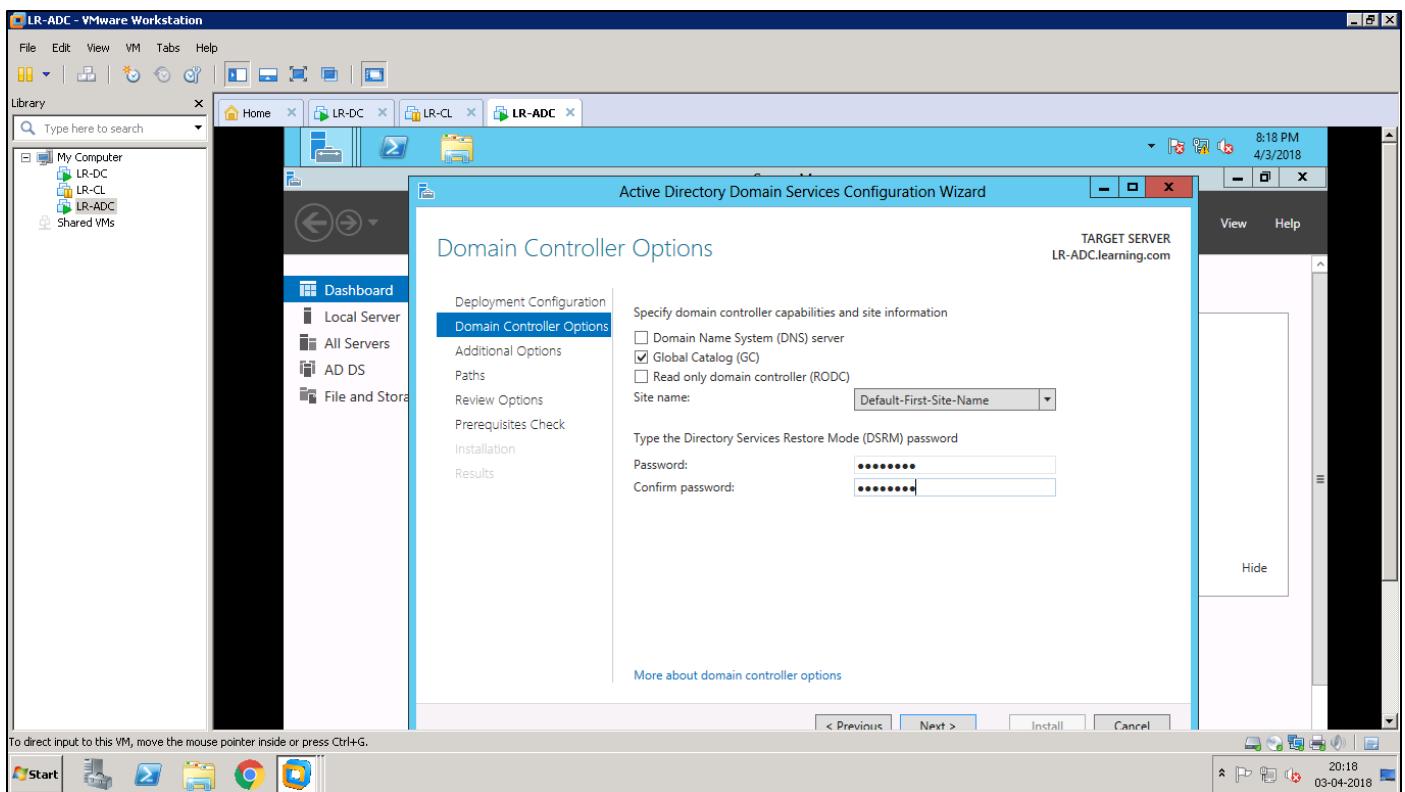
After updating group policy using command prompt and 'gpupdate /force' check access to control panel:

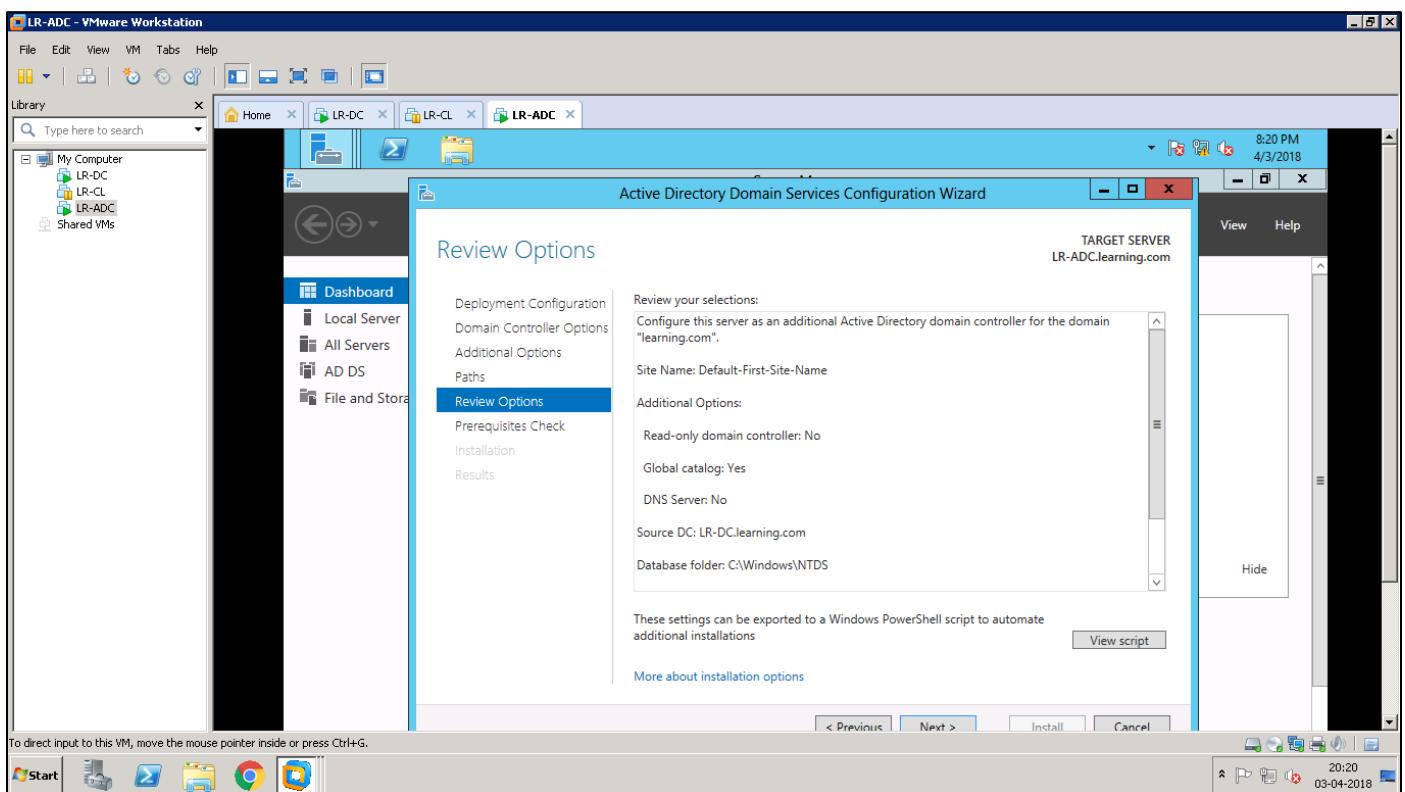
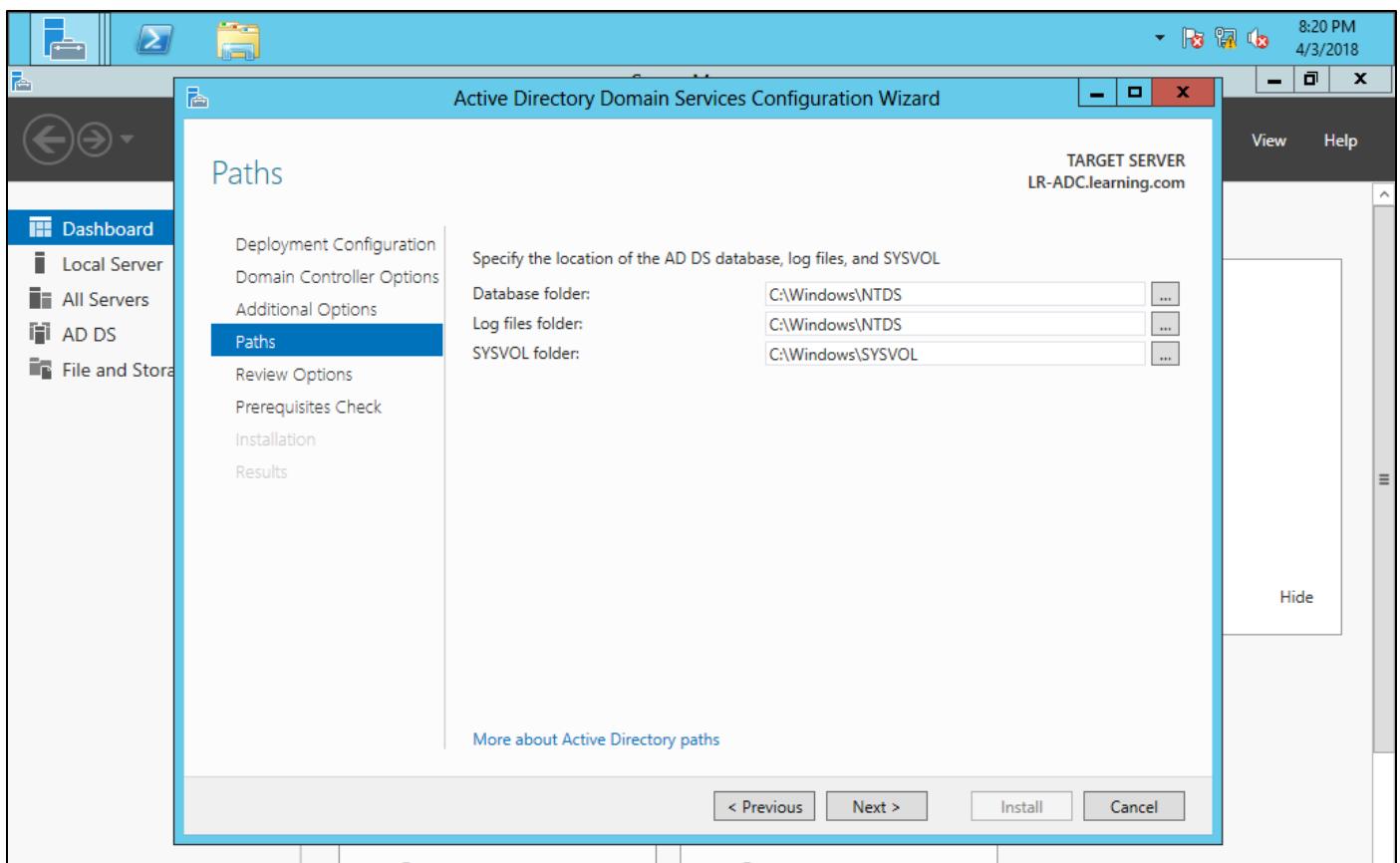


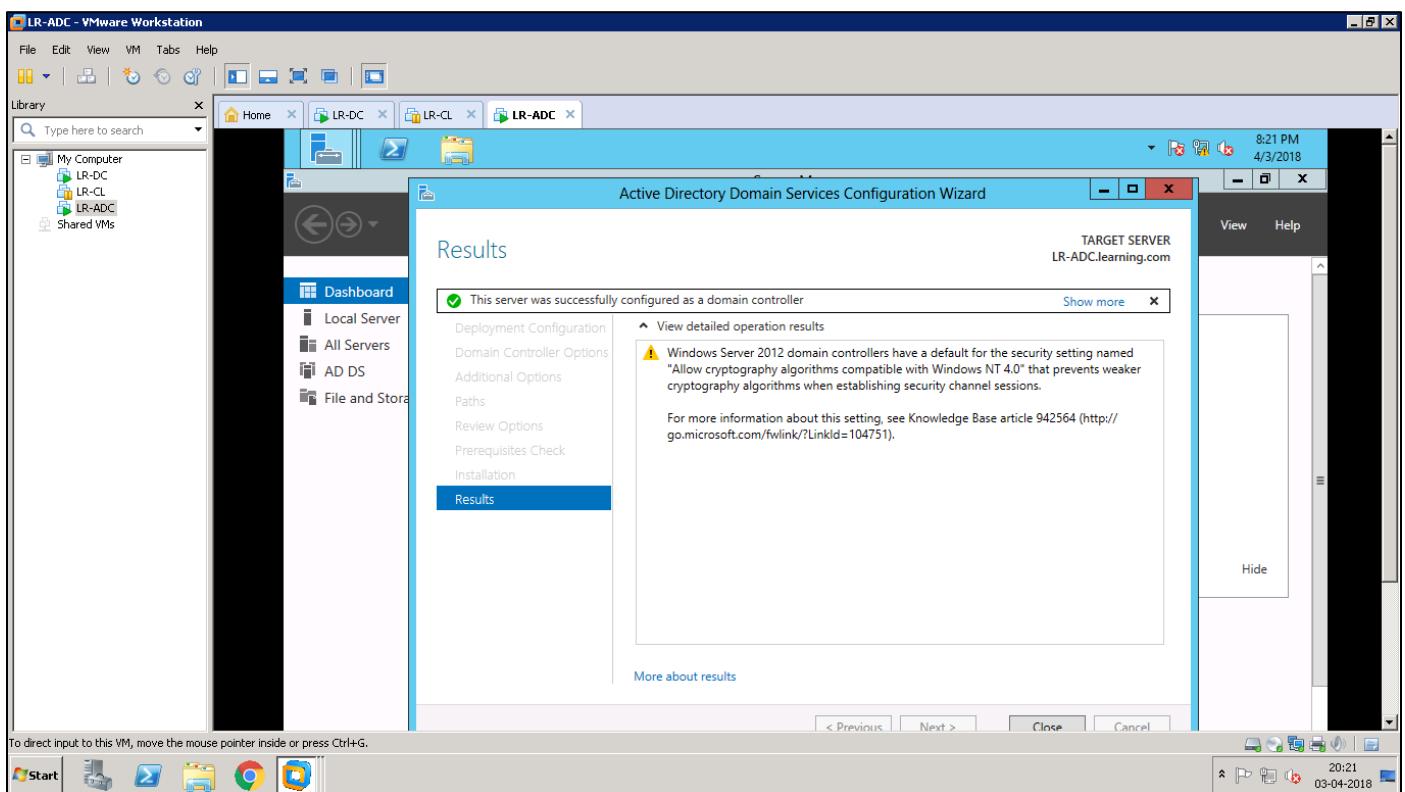
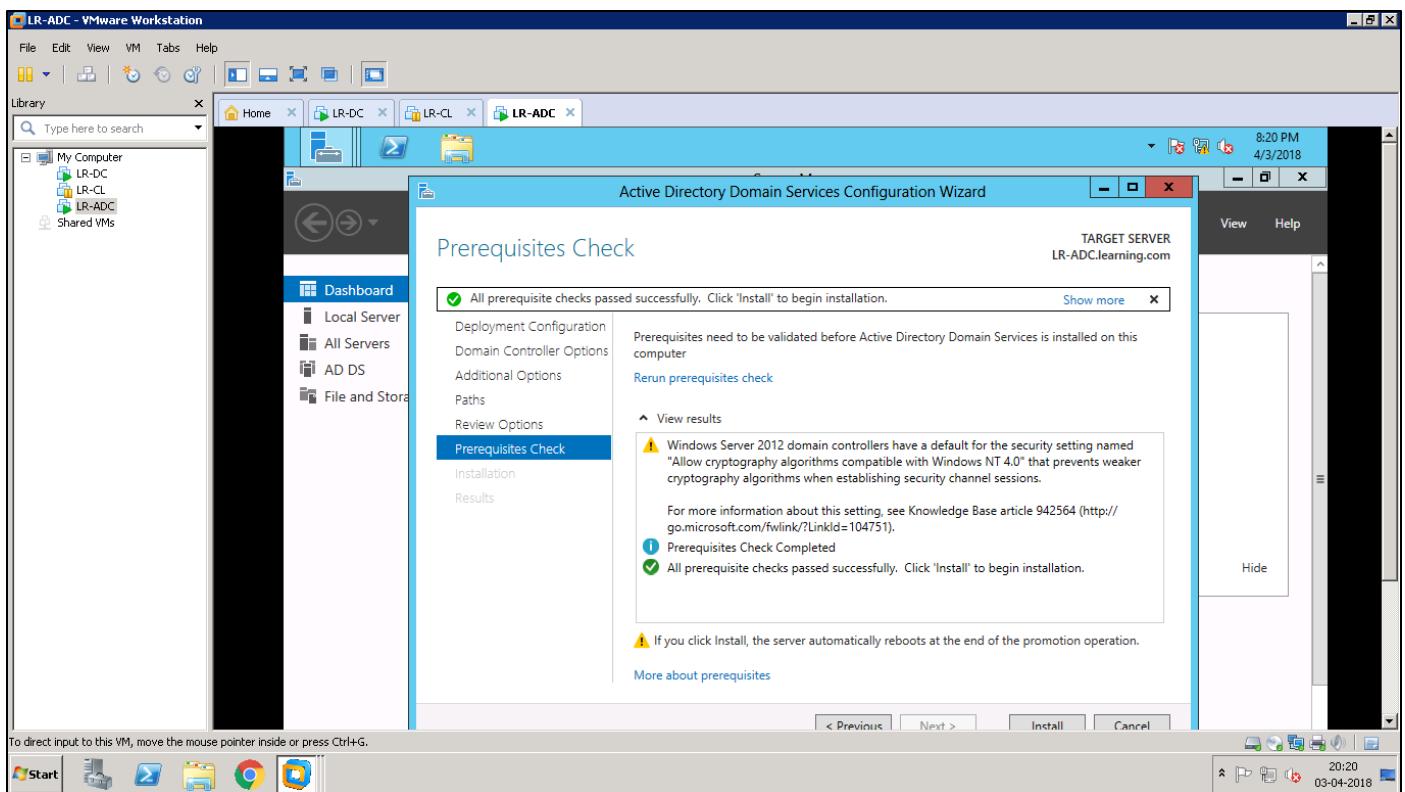
Adding domain controller to an existing doamin in LR-ADC:

Post installation deployment configuration:



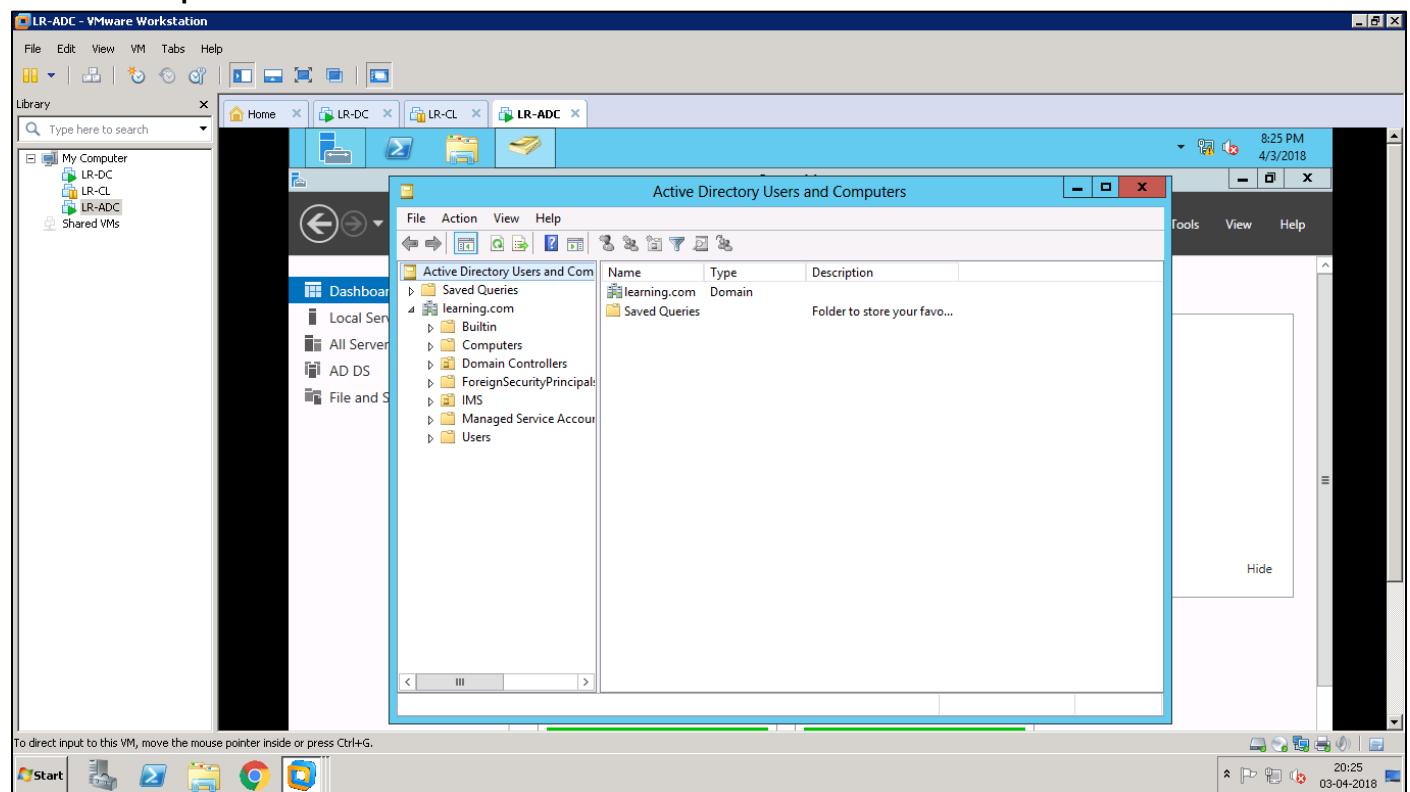




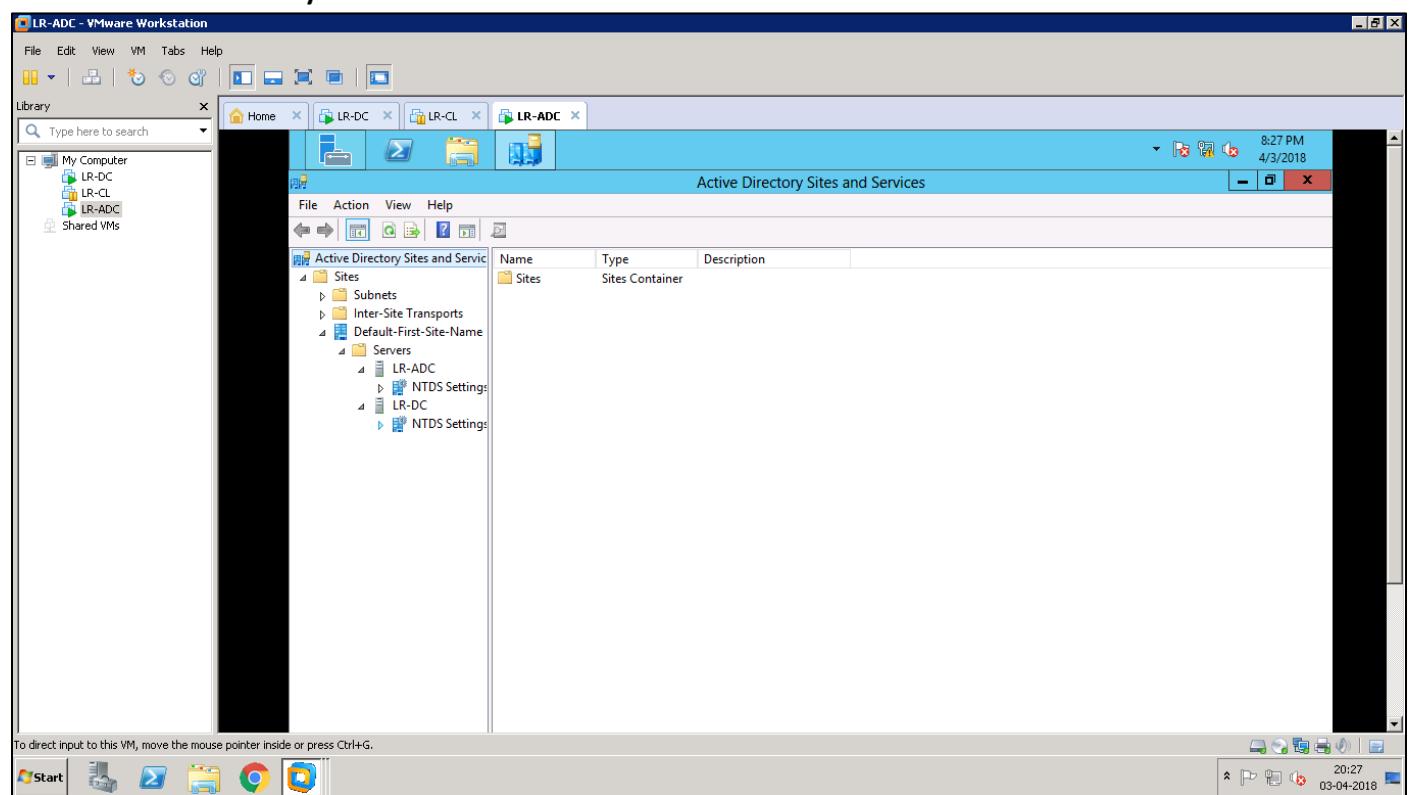


After this, machine will restart to apply changes.

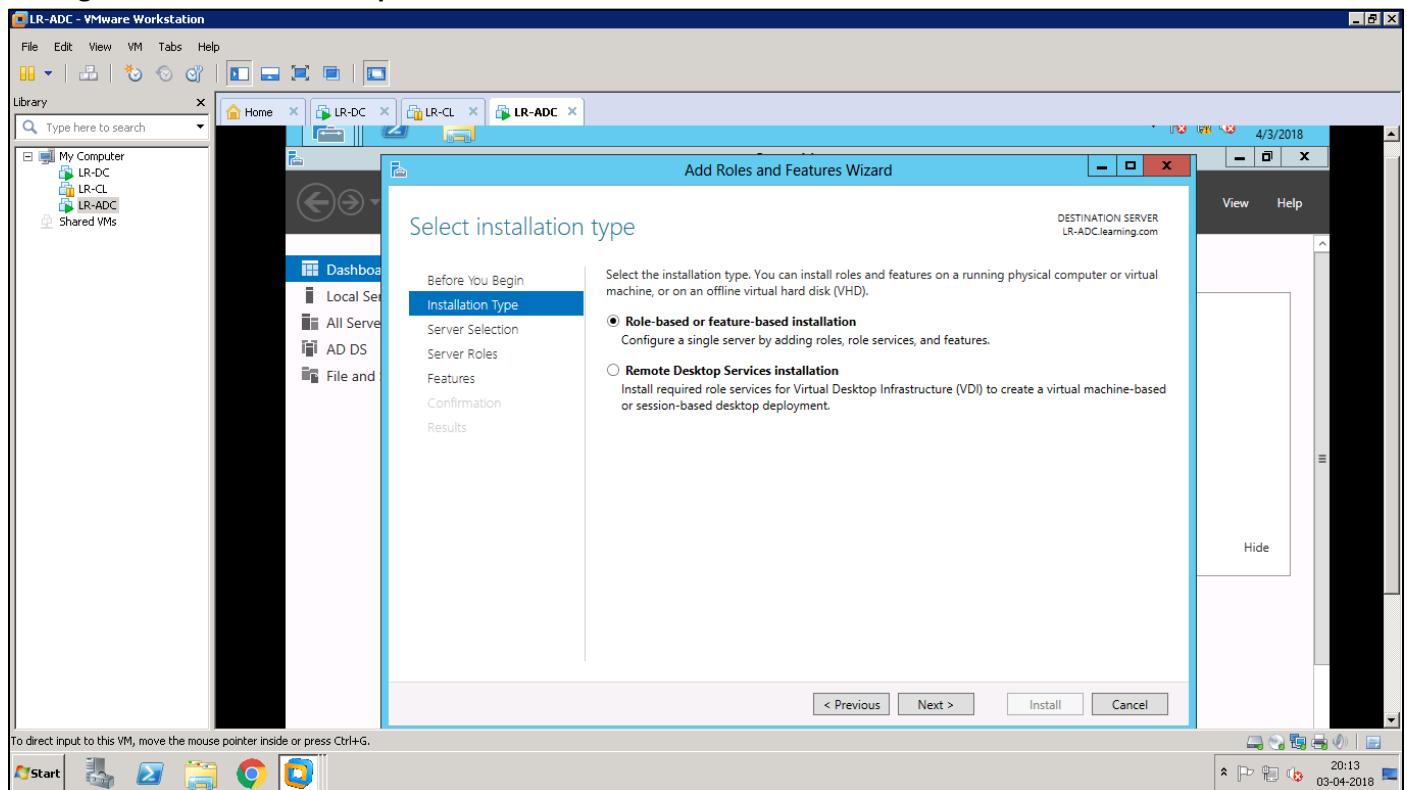
Database is replicated in LR-ADC from LR-DC:



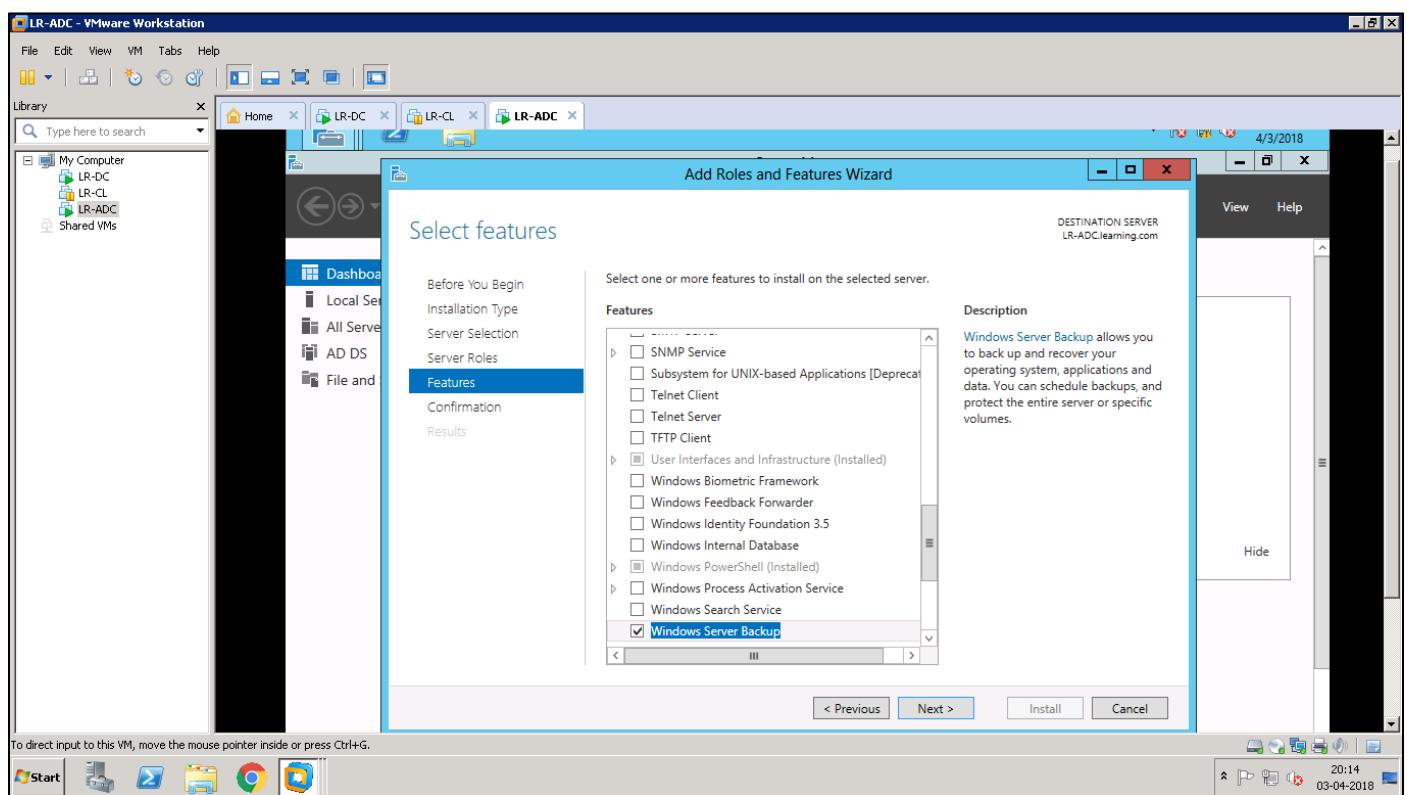
'Tools' – 'Active directory sites and services':

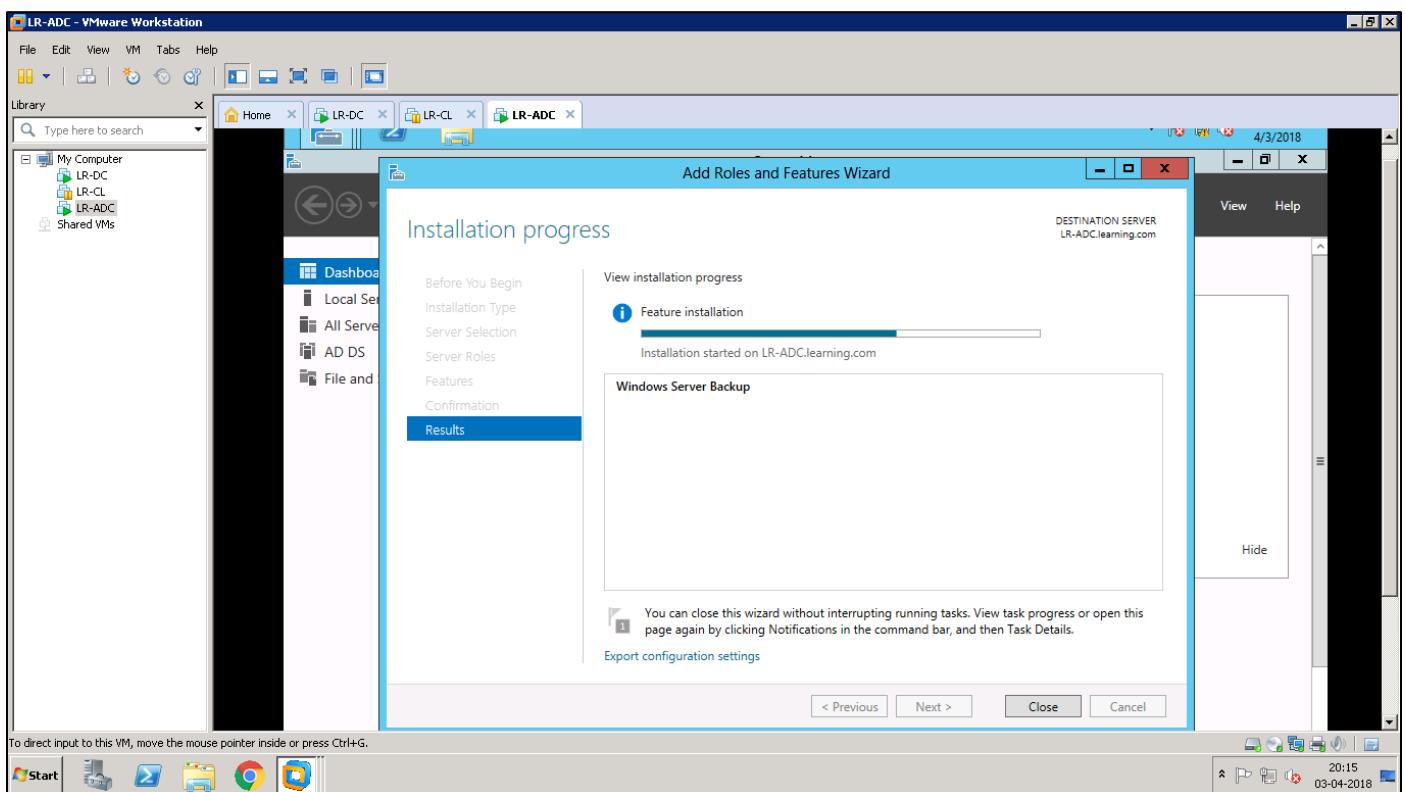
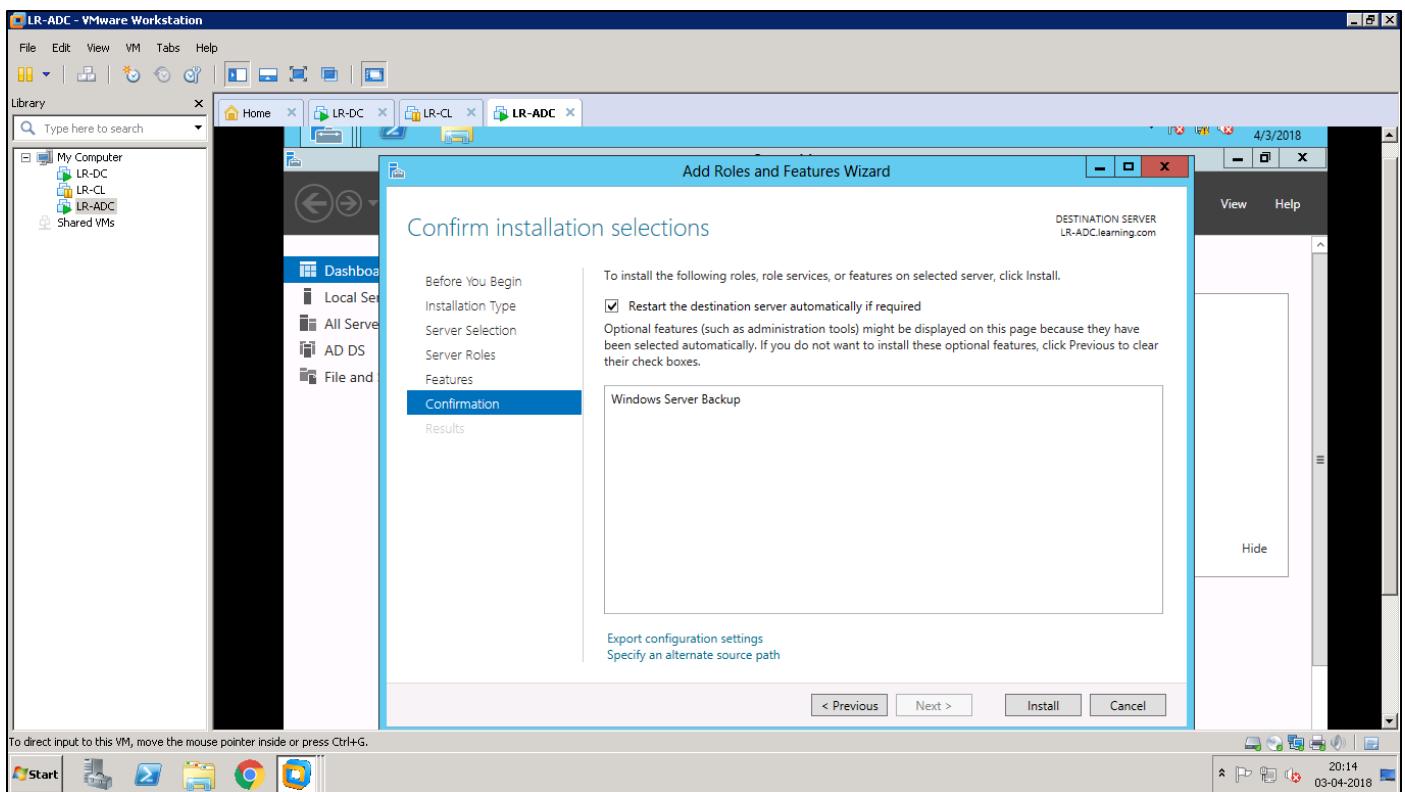


Adding Windows Server Backup in LR-ADC:



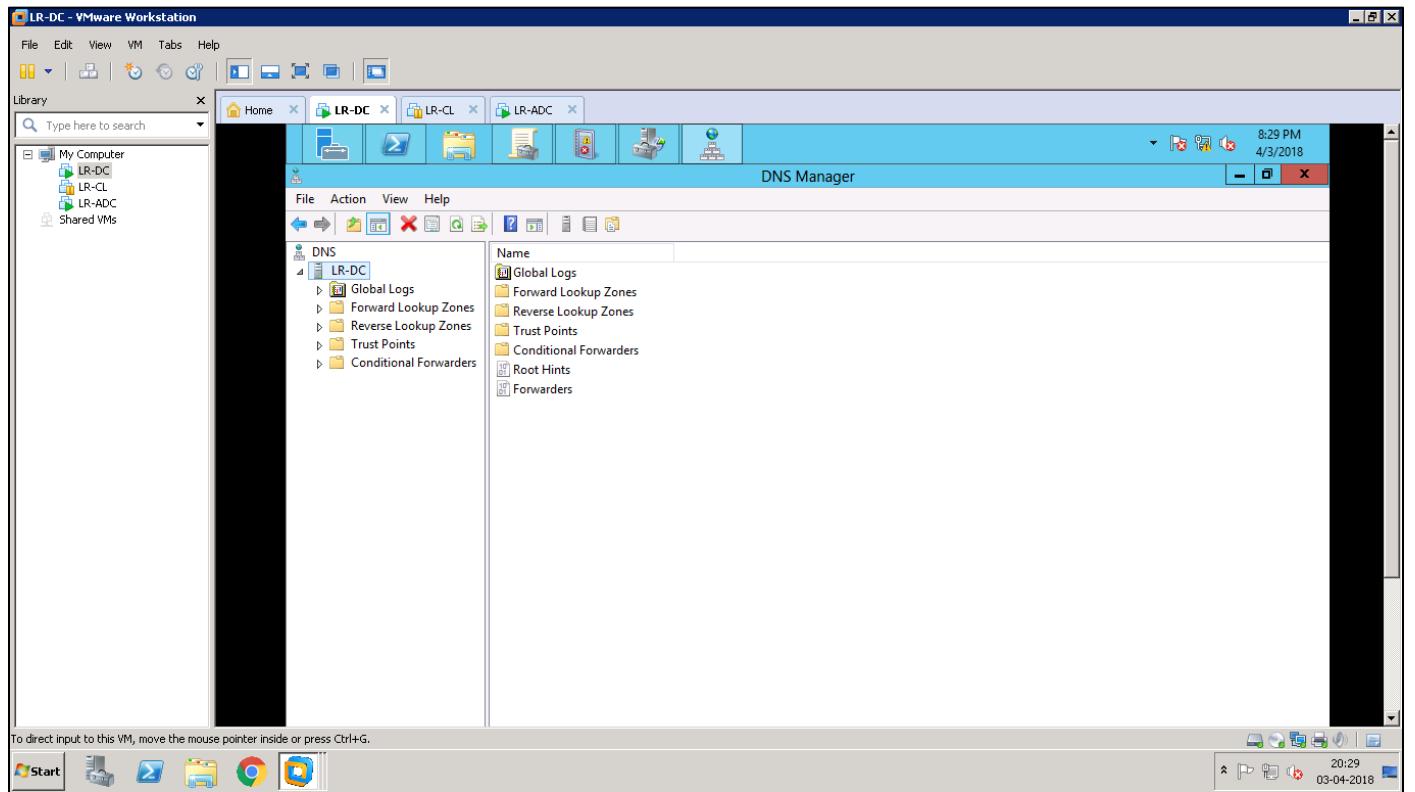
Available in feature section:



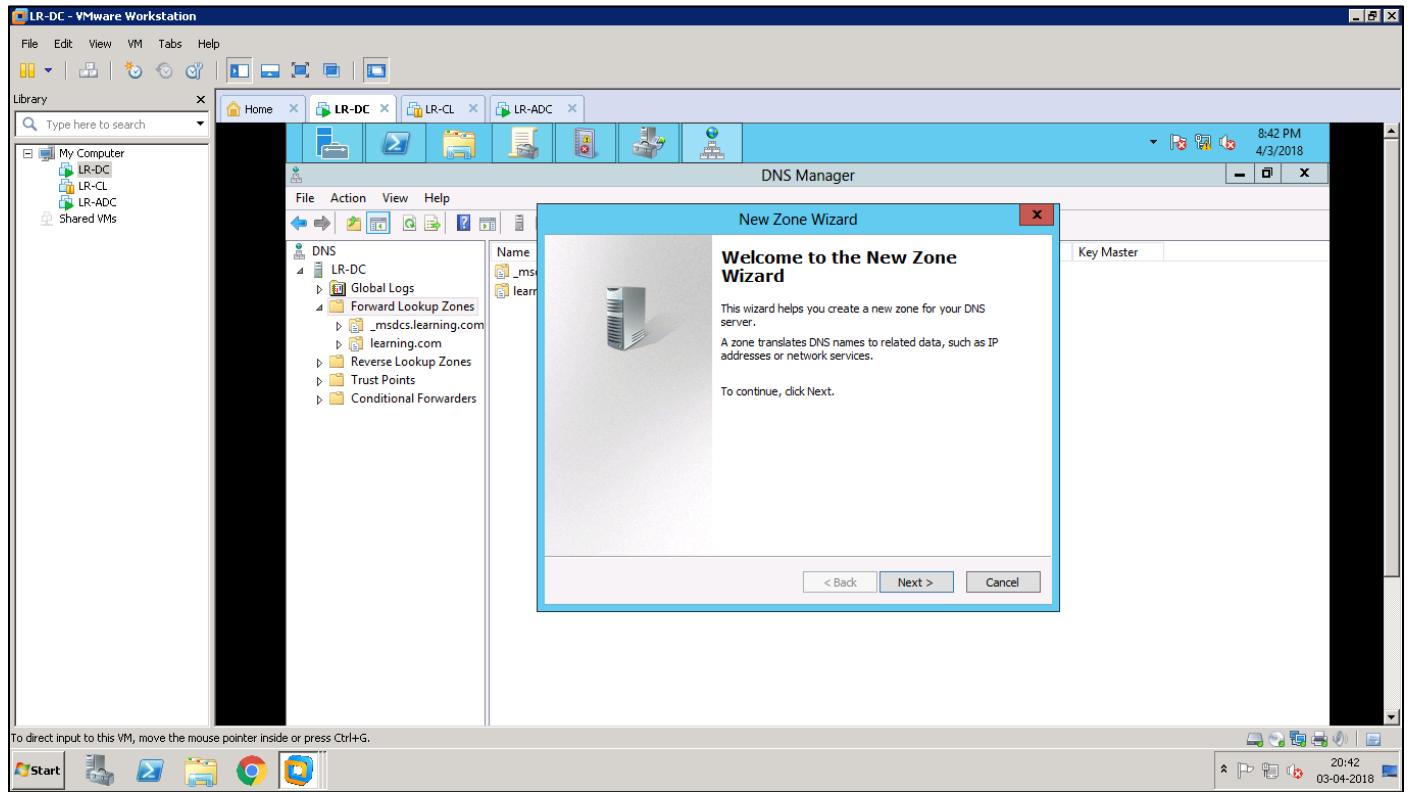


And finish the installation.

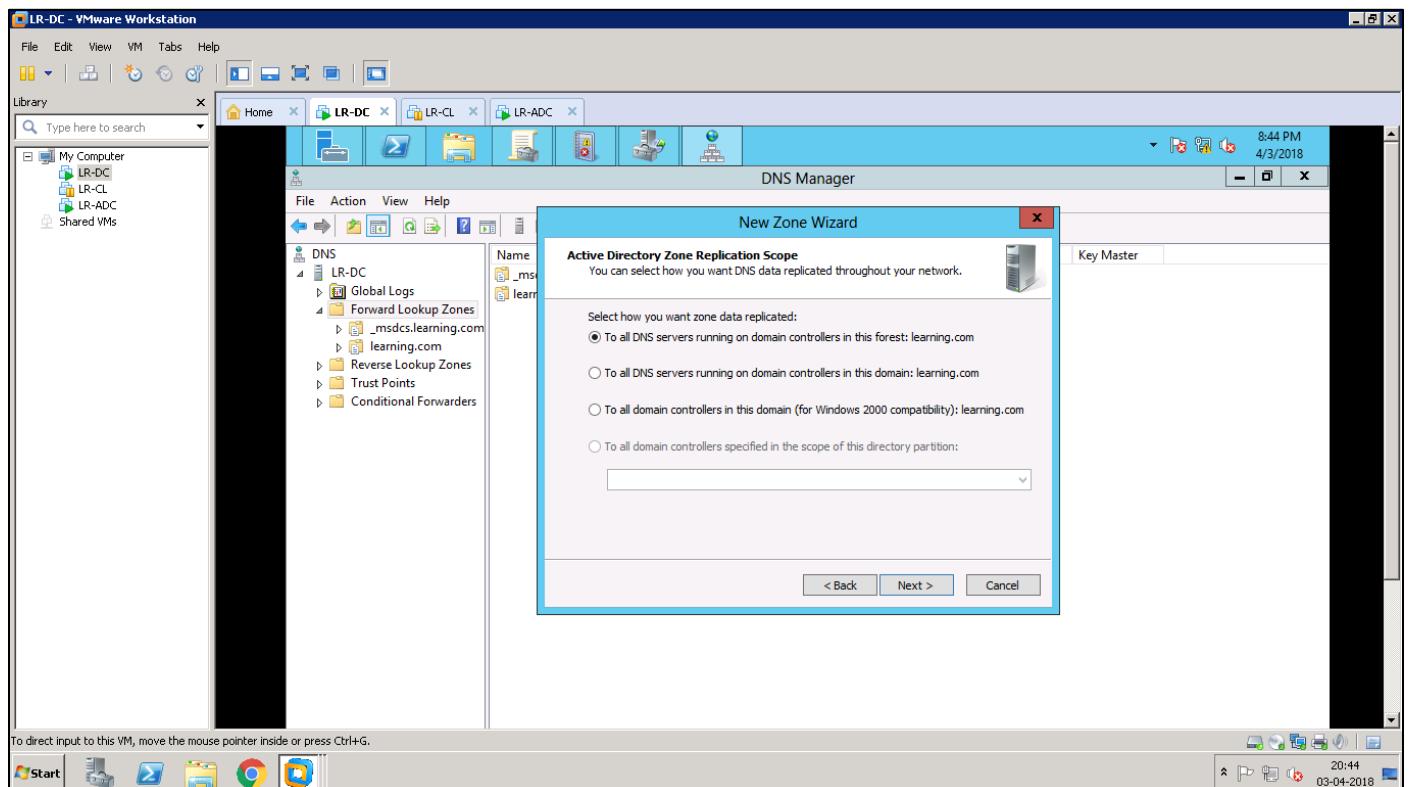
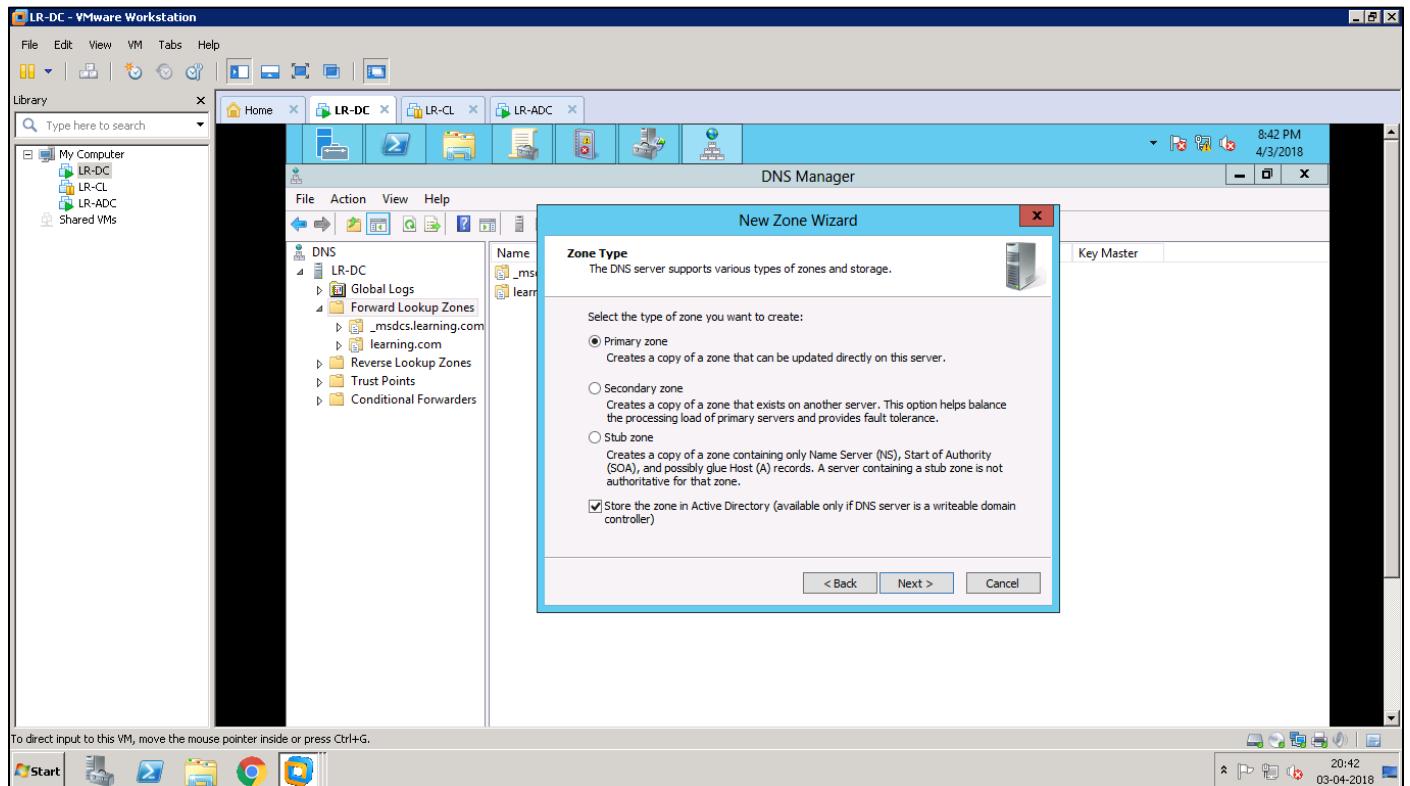
Switch to DC machine – ‘Tools’ – ‘DNS’:

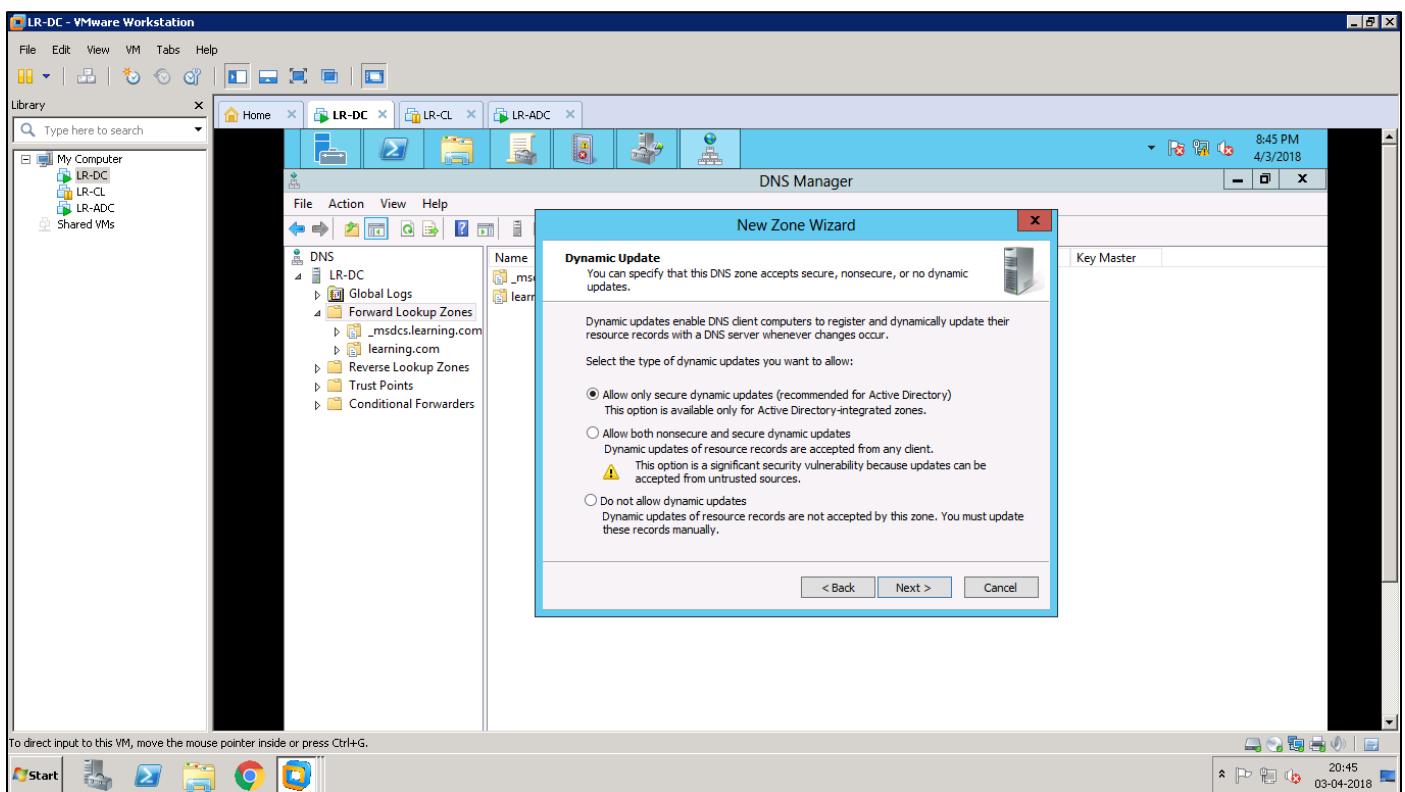
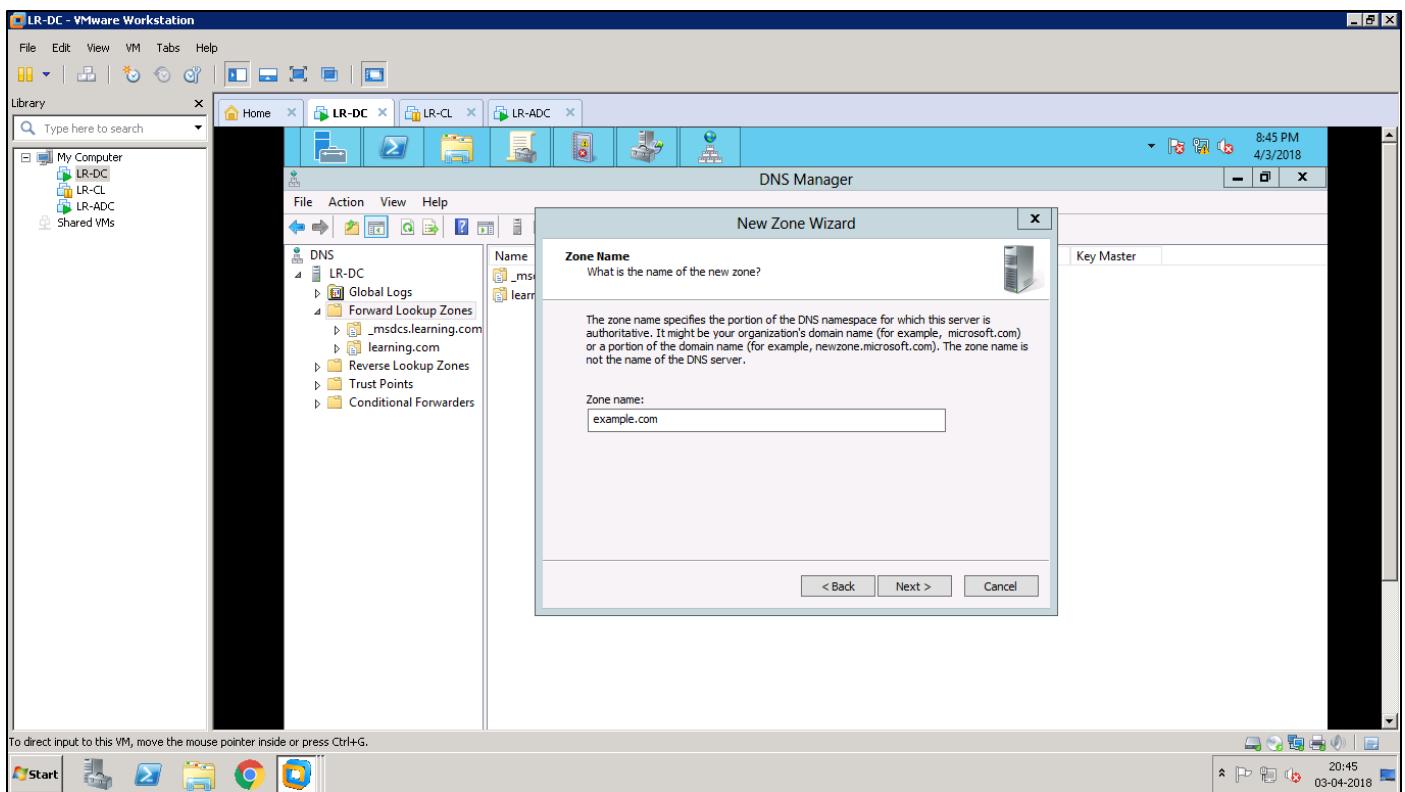


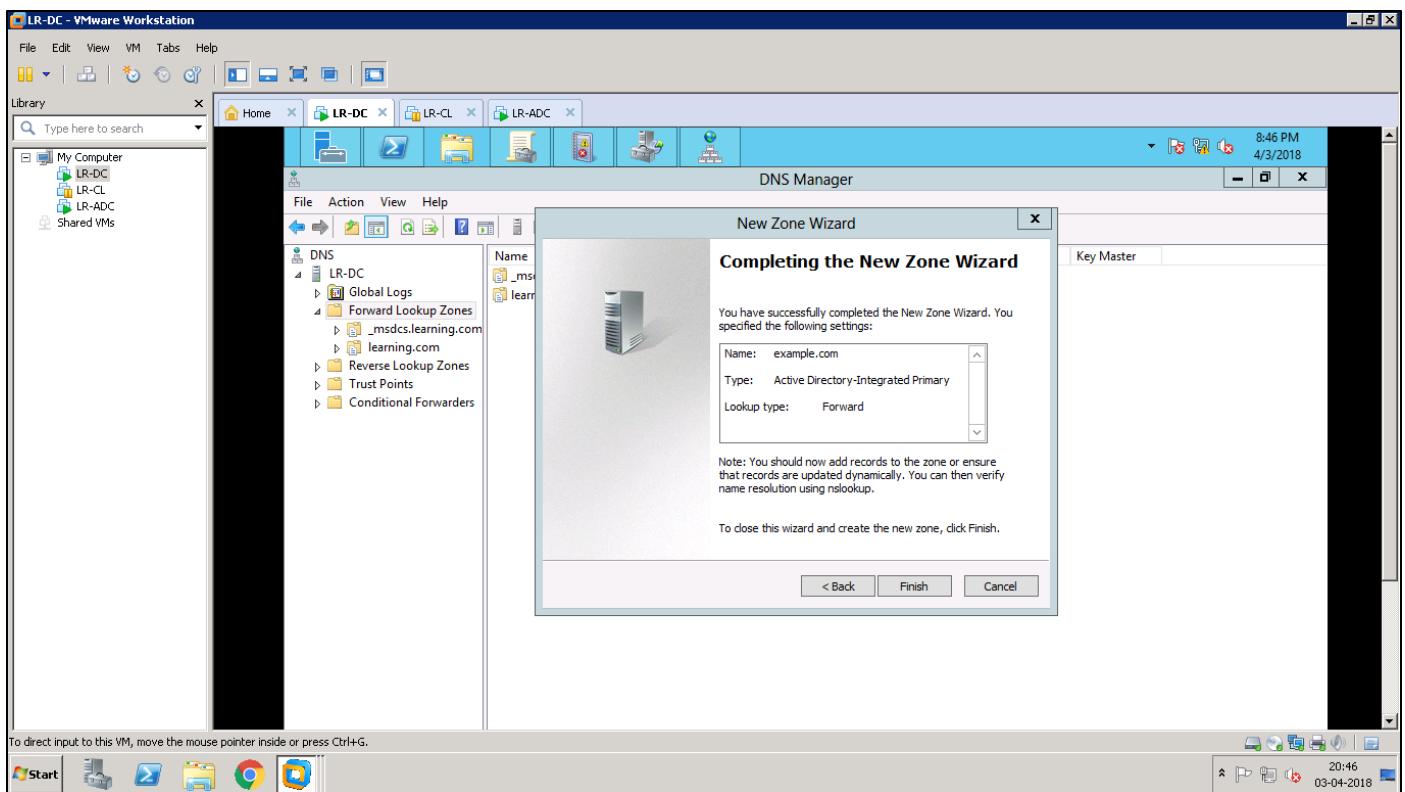
Right click on ‘Forward Lookup Zone’ and create new zone:



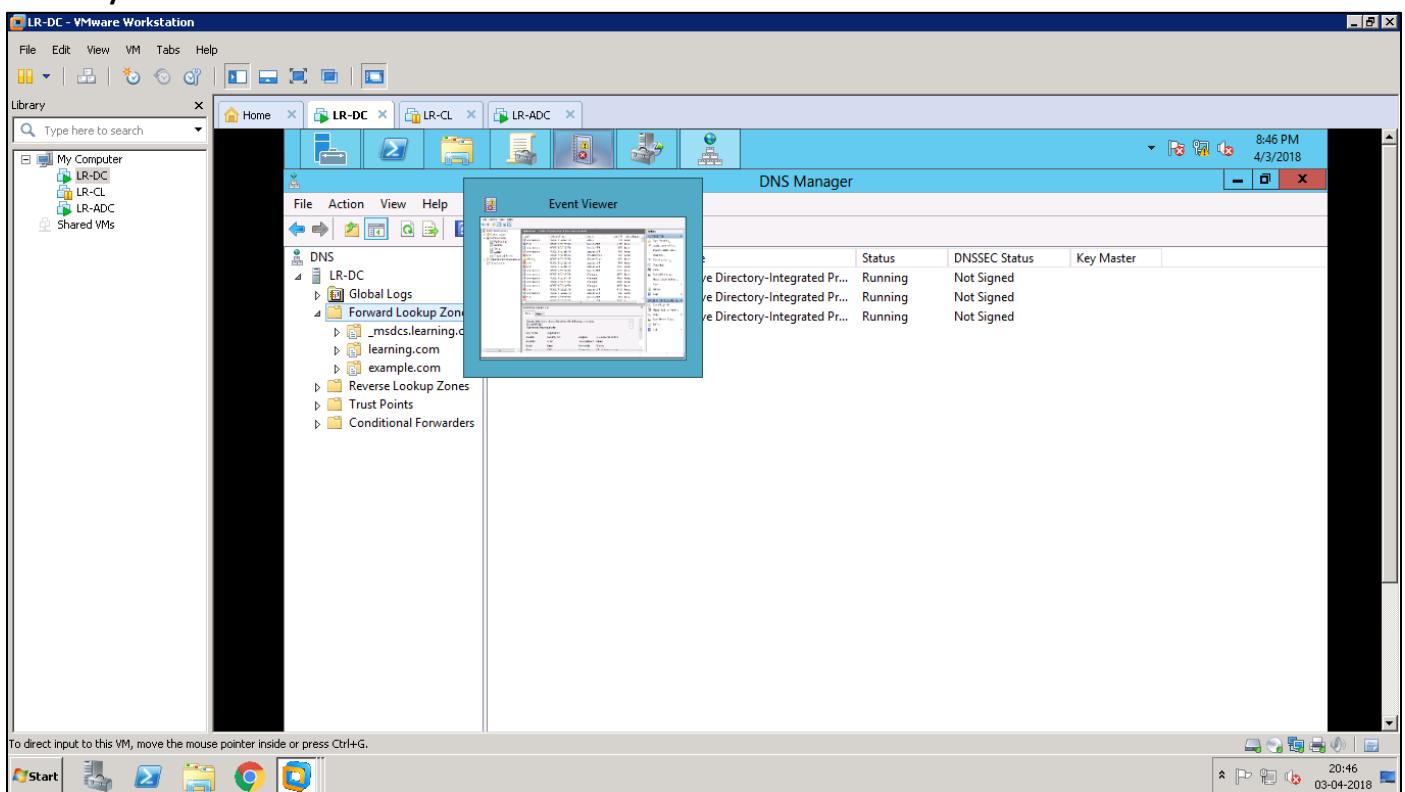
Create Primary Zone:



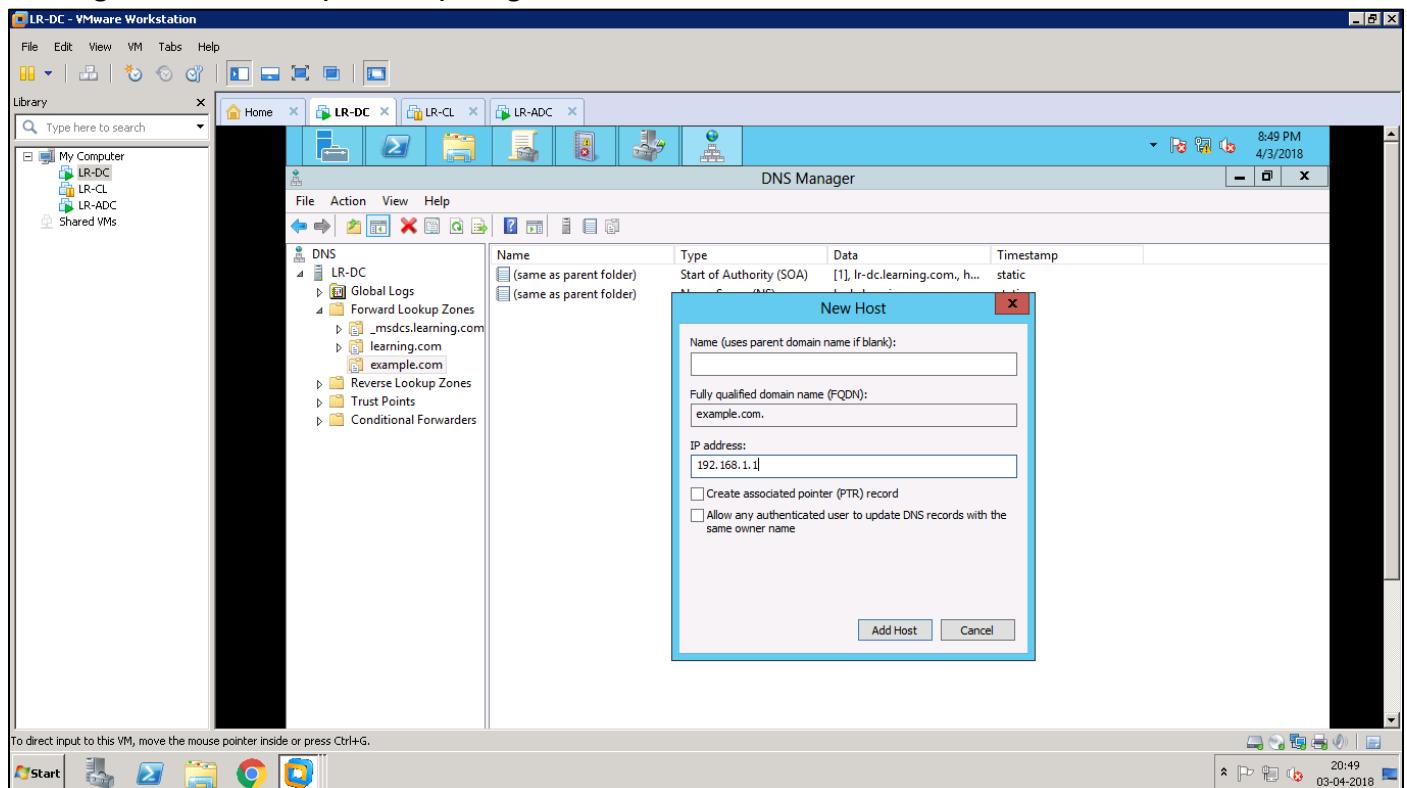




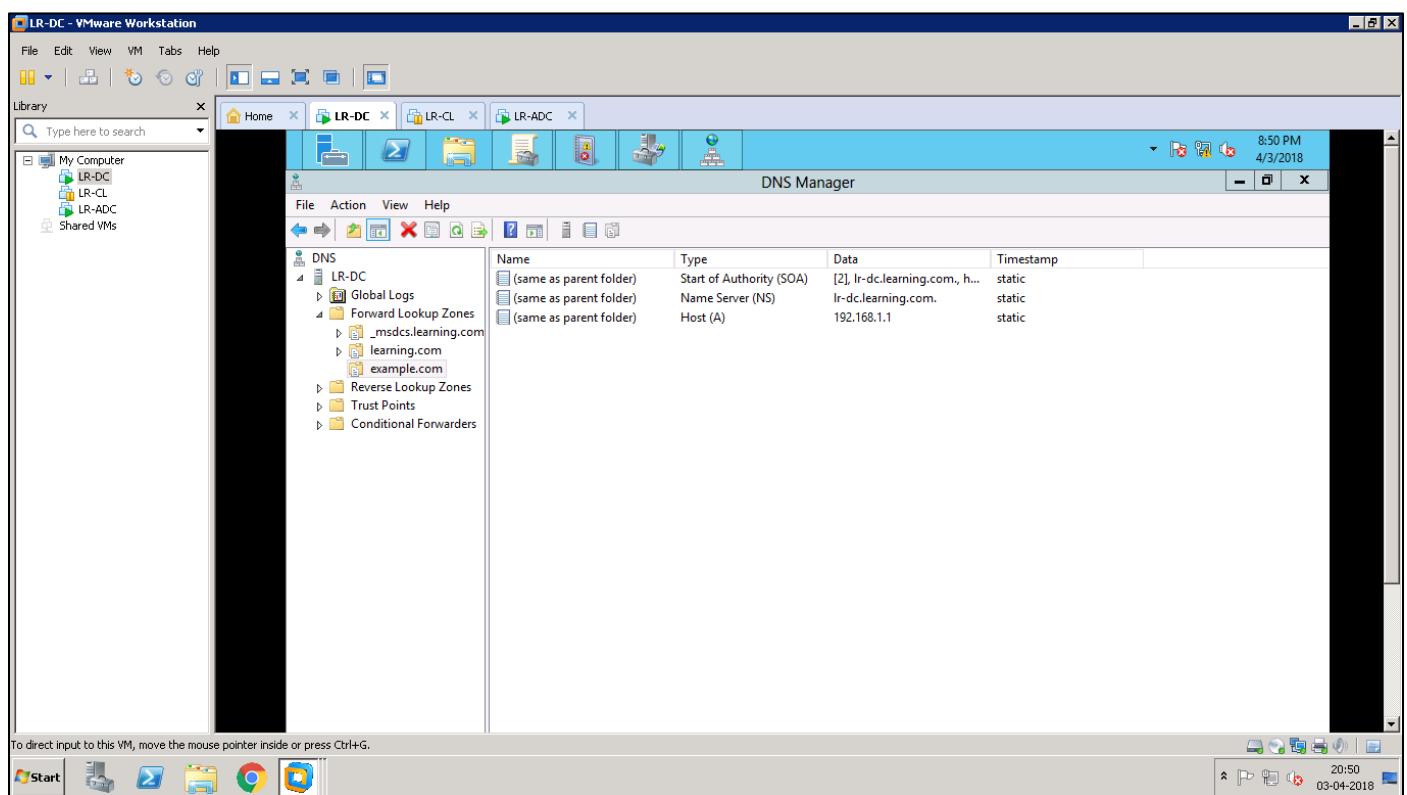
Summary:



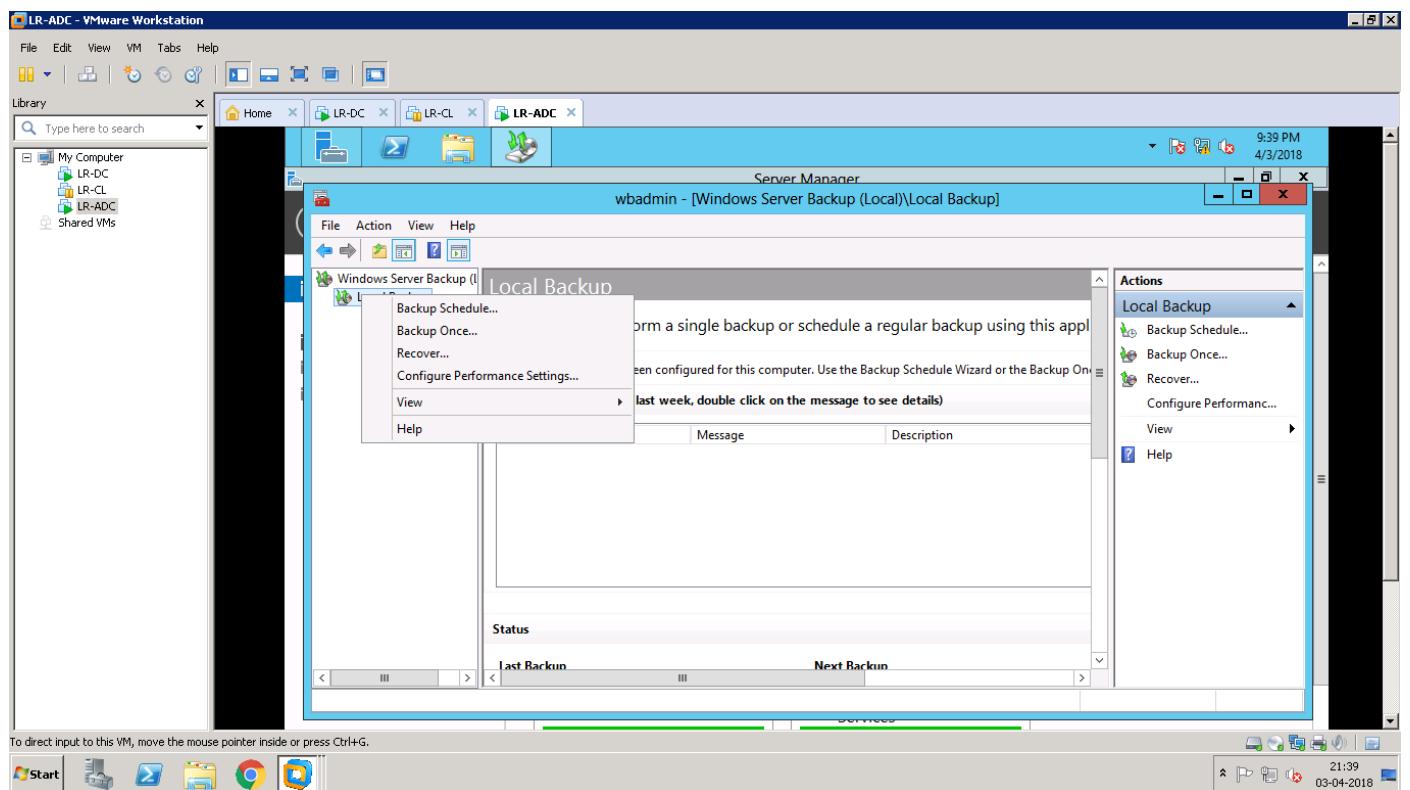
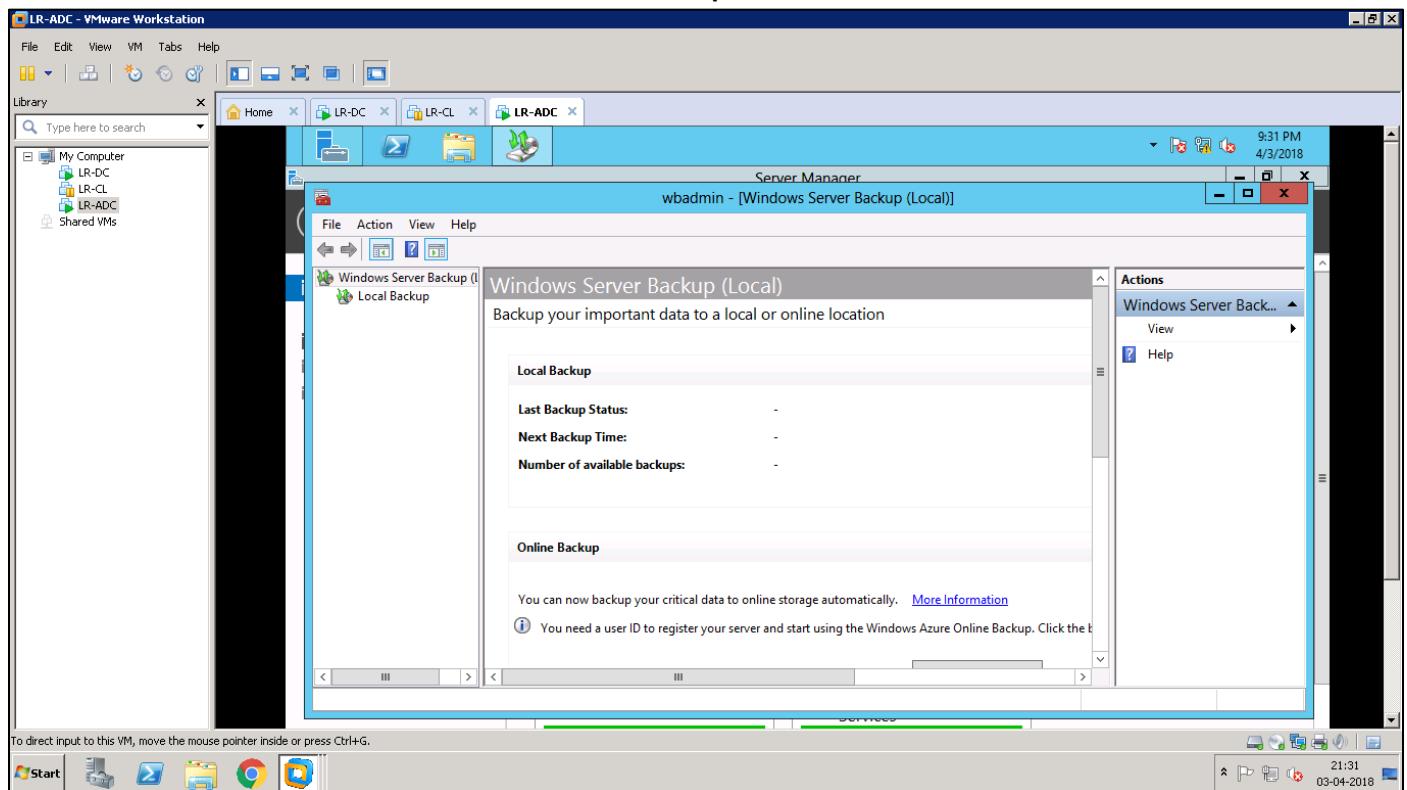
Creating new host record (A Record) and give IP address of ADC machine:



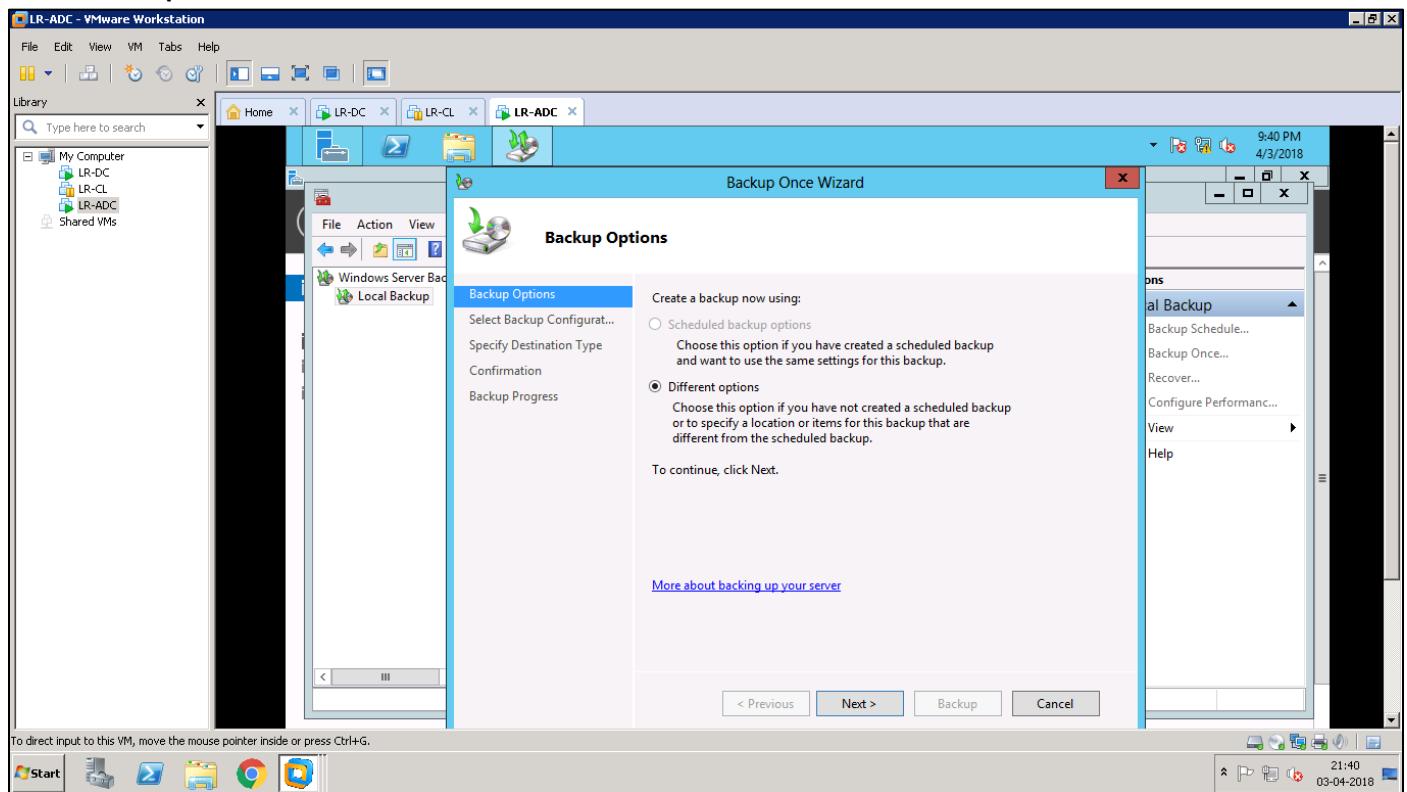
Generated Record:



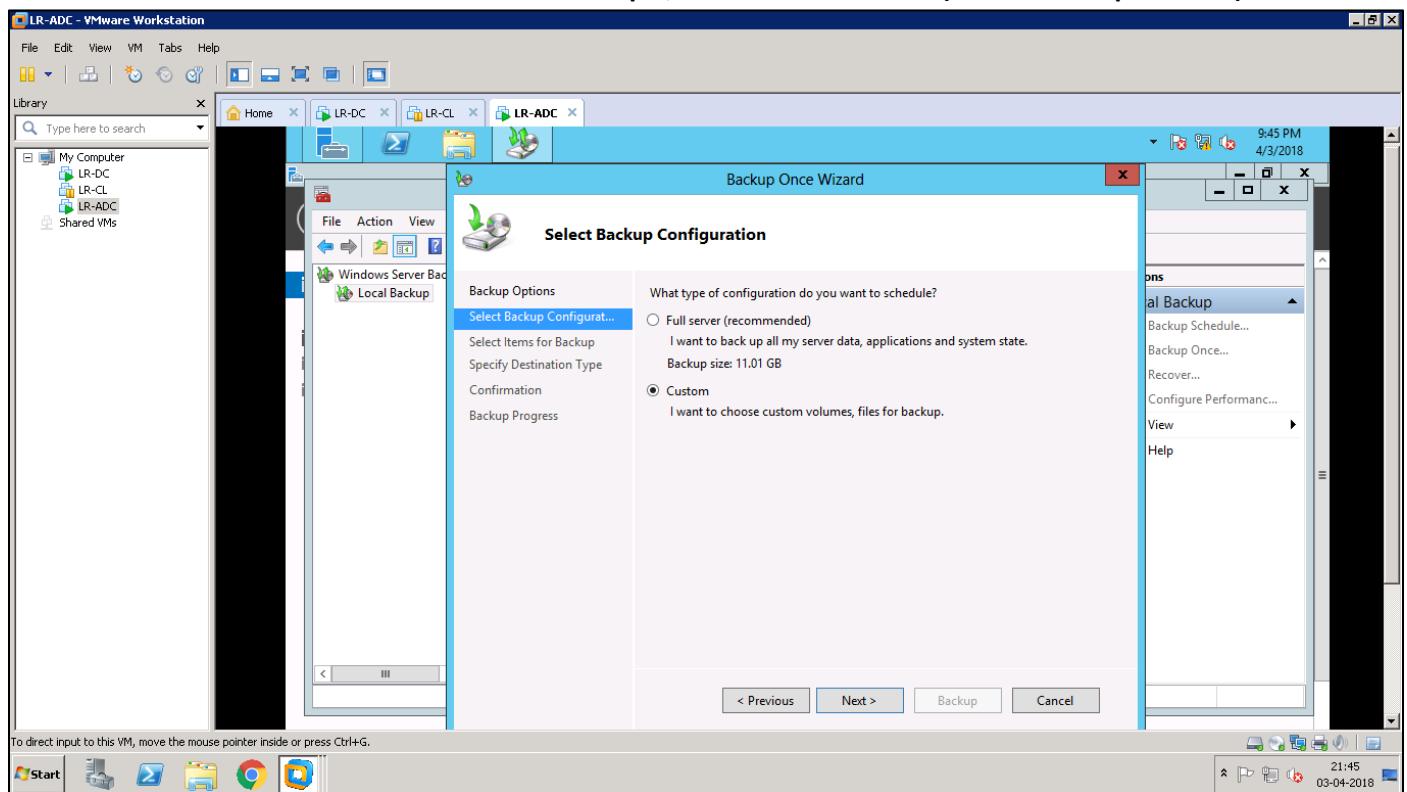
Switch to ADC machine – ‘Tools’ – ‘Windows Server Backup’:



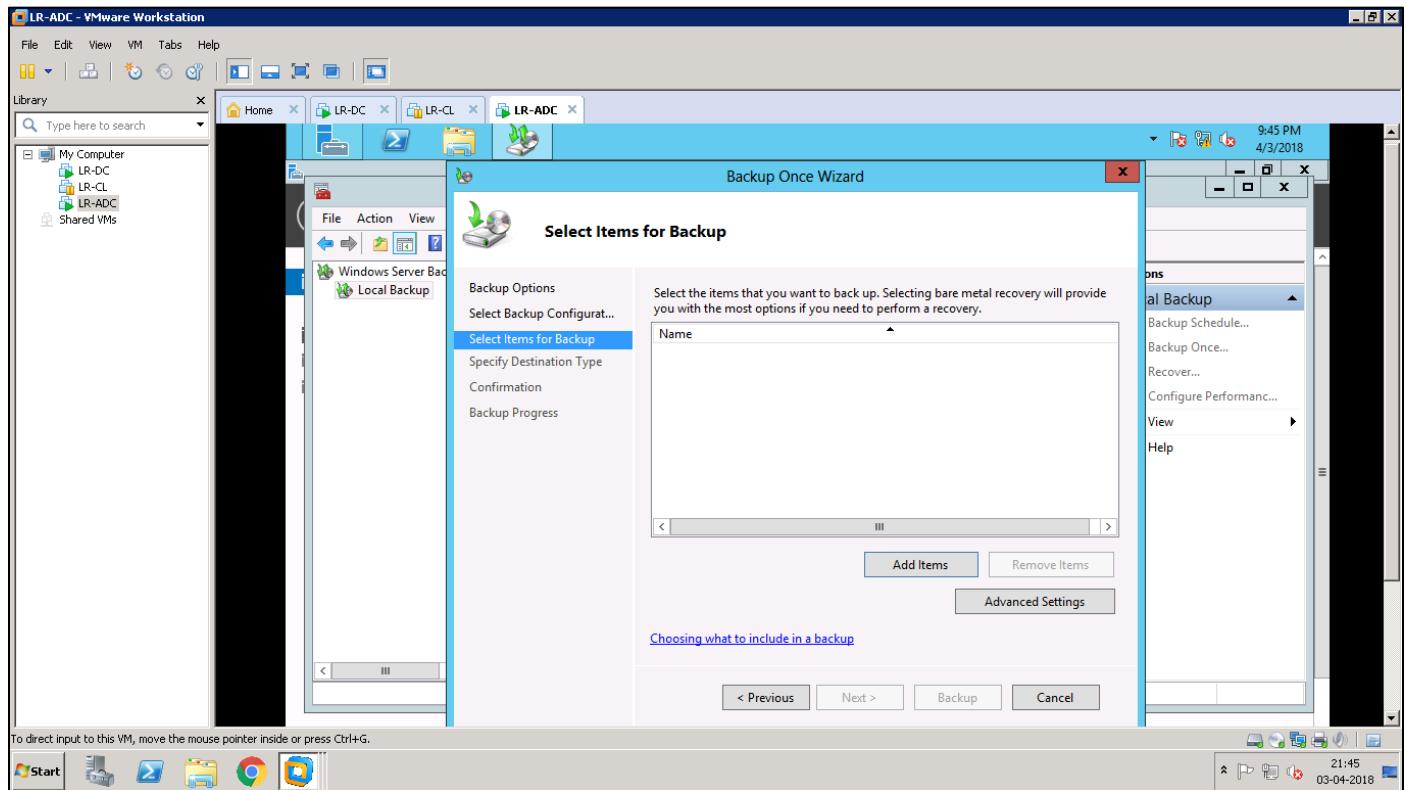
Select Back up Once:



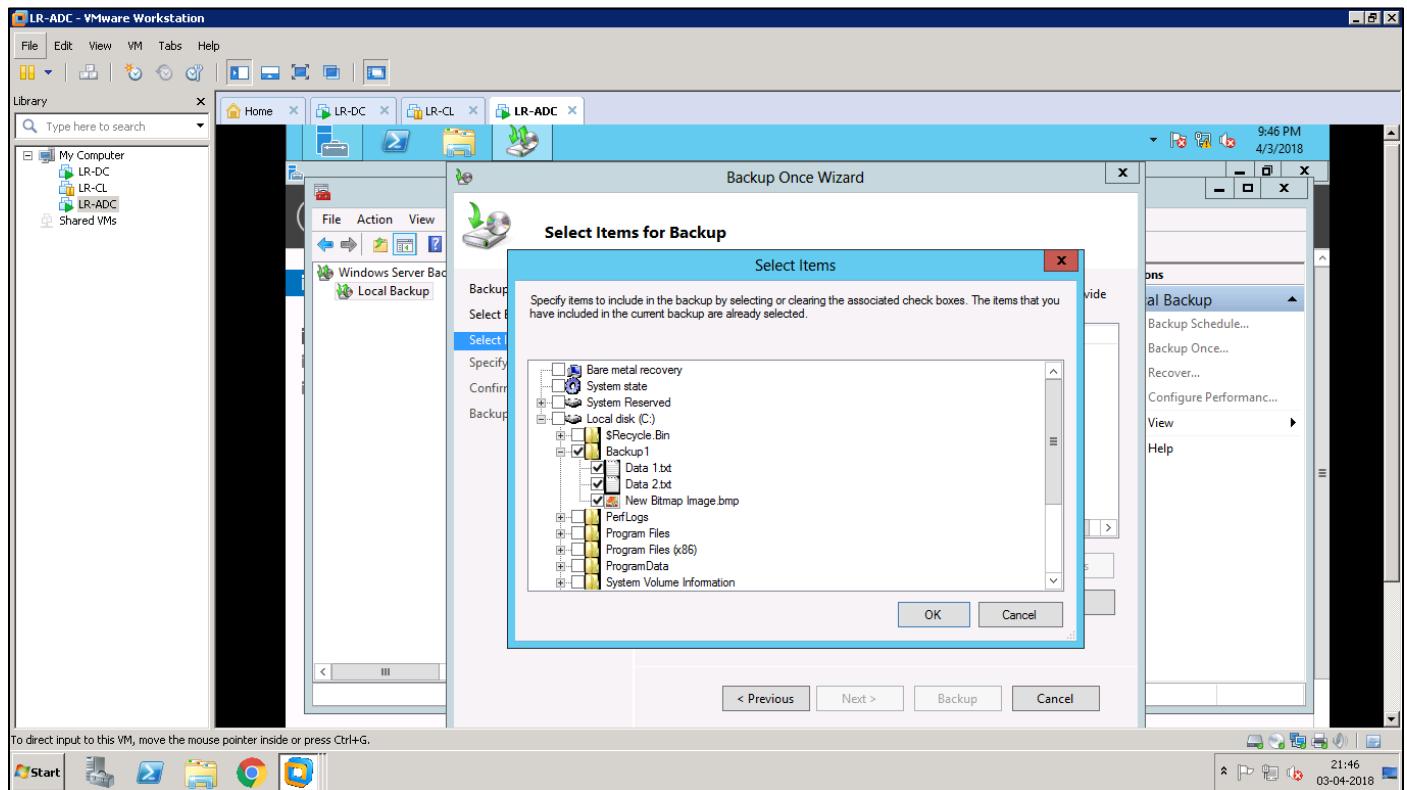
Create a folder under C drive and name it as 'Backup1', Save some data in it. (text files and paint files):

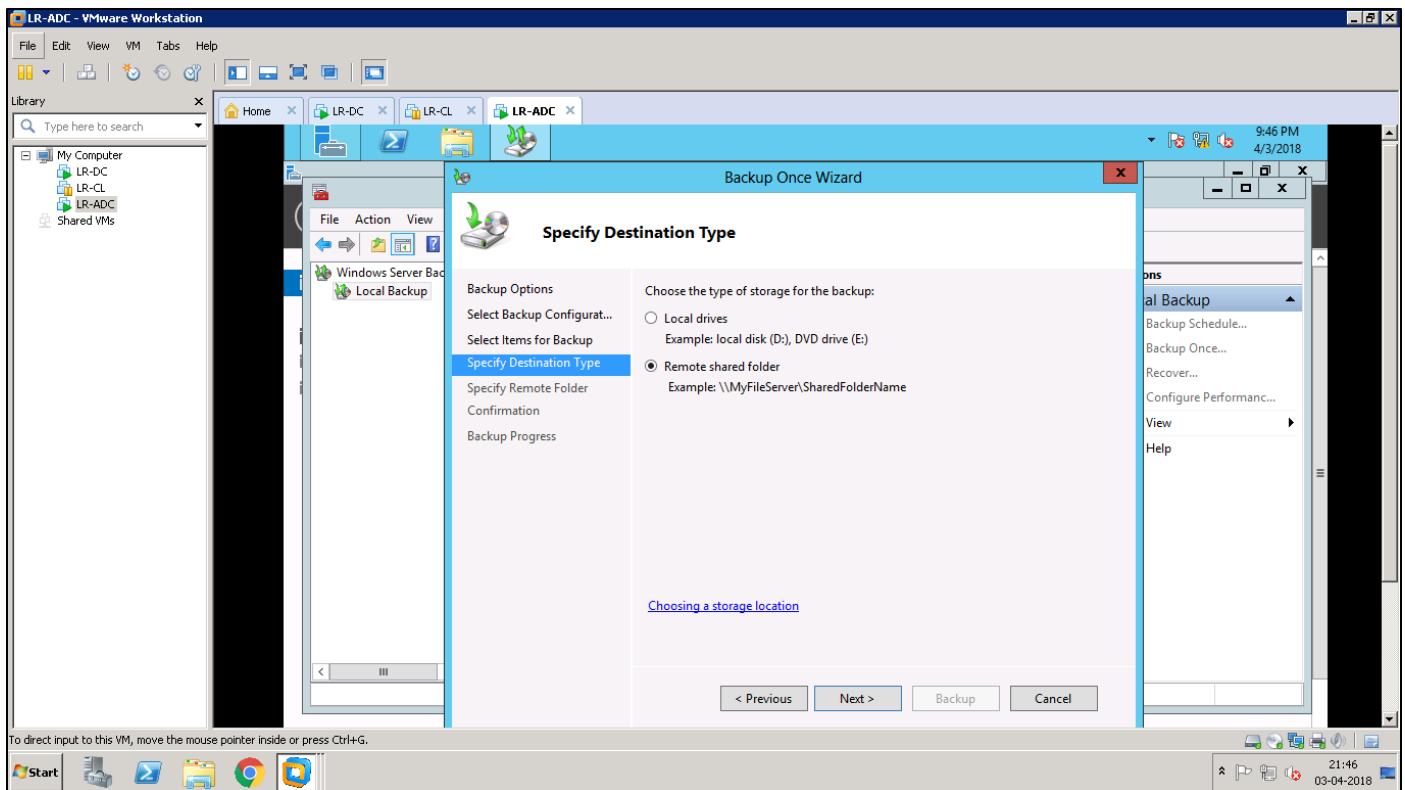


Click on 'Add Item':

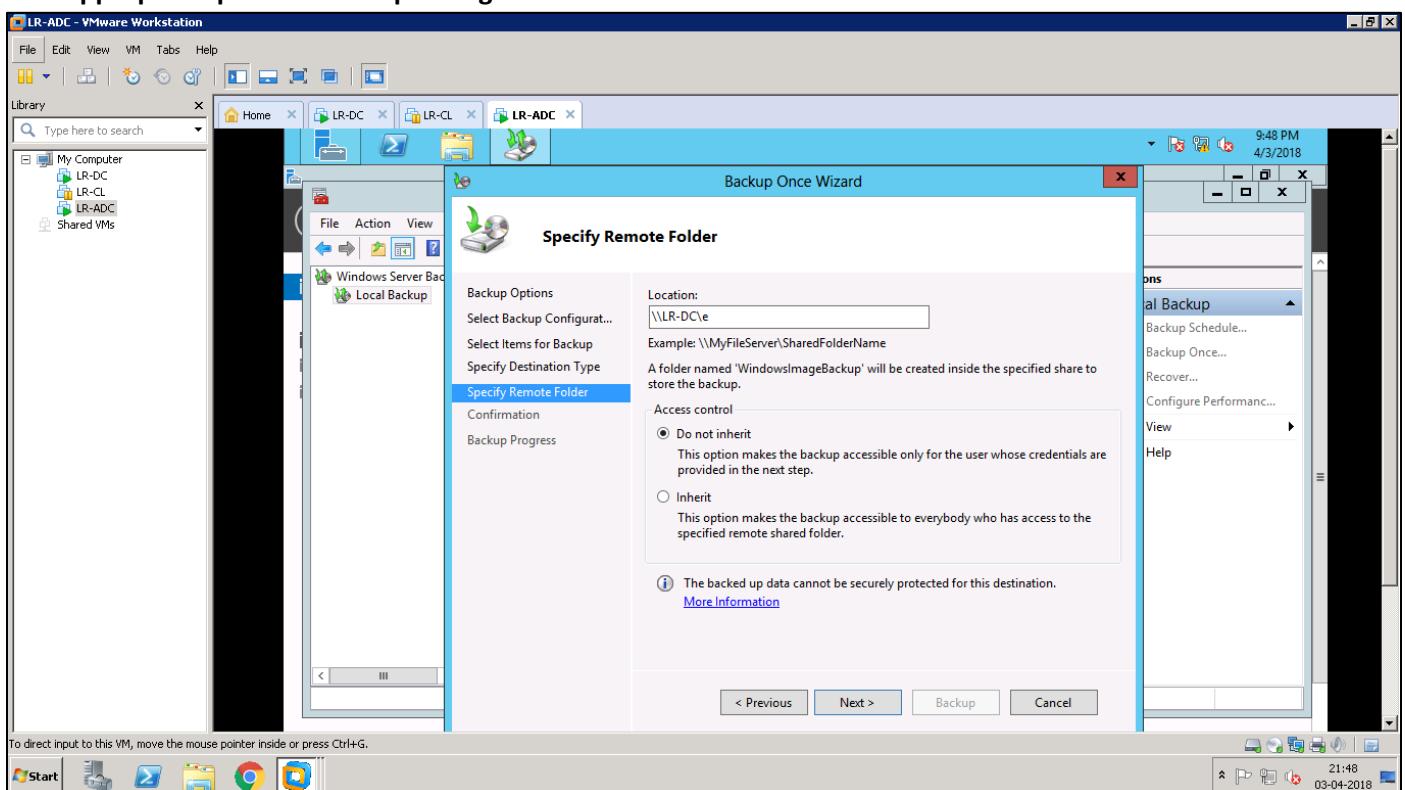


Select data to be backup:

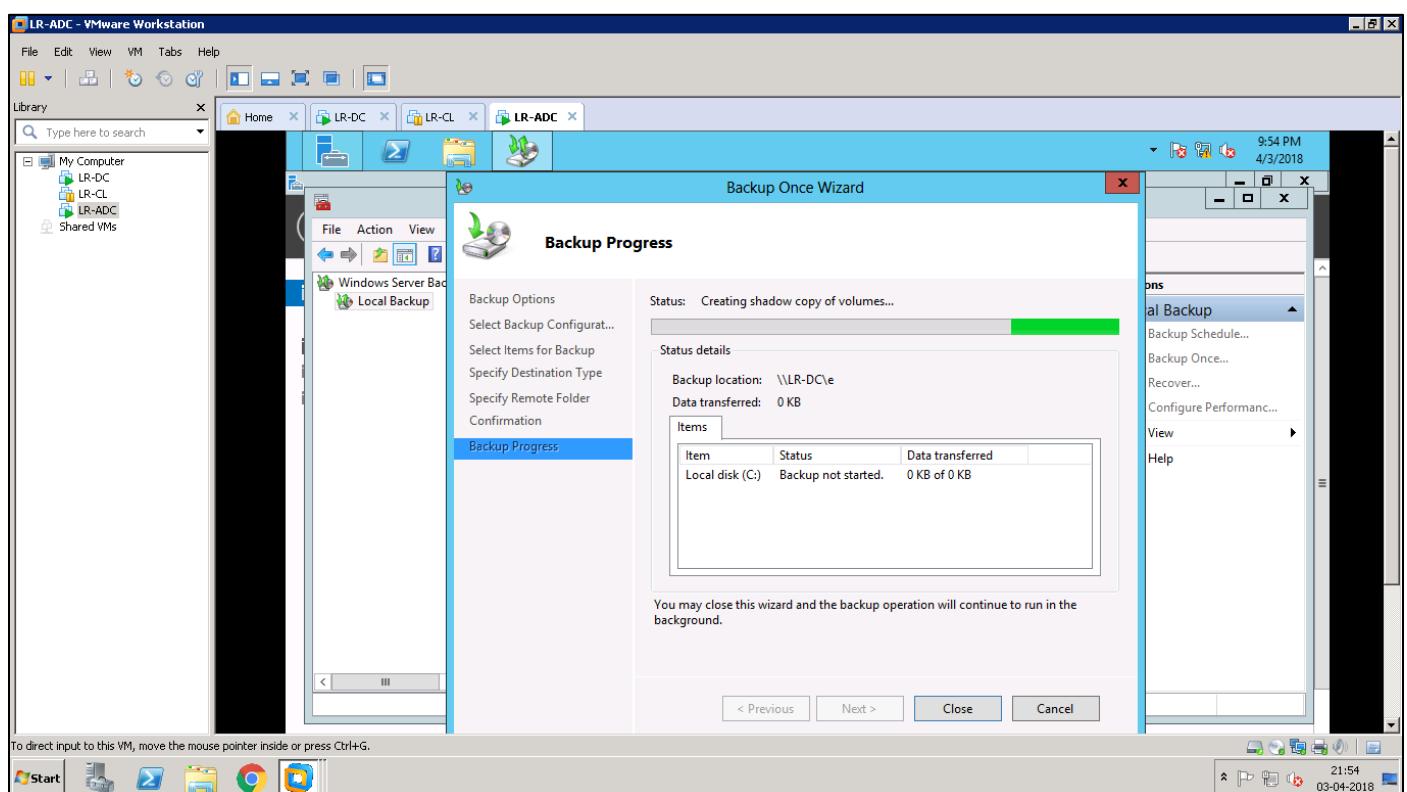
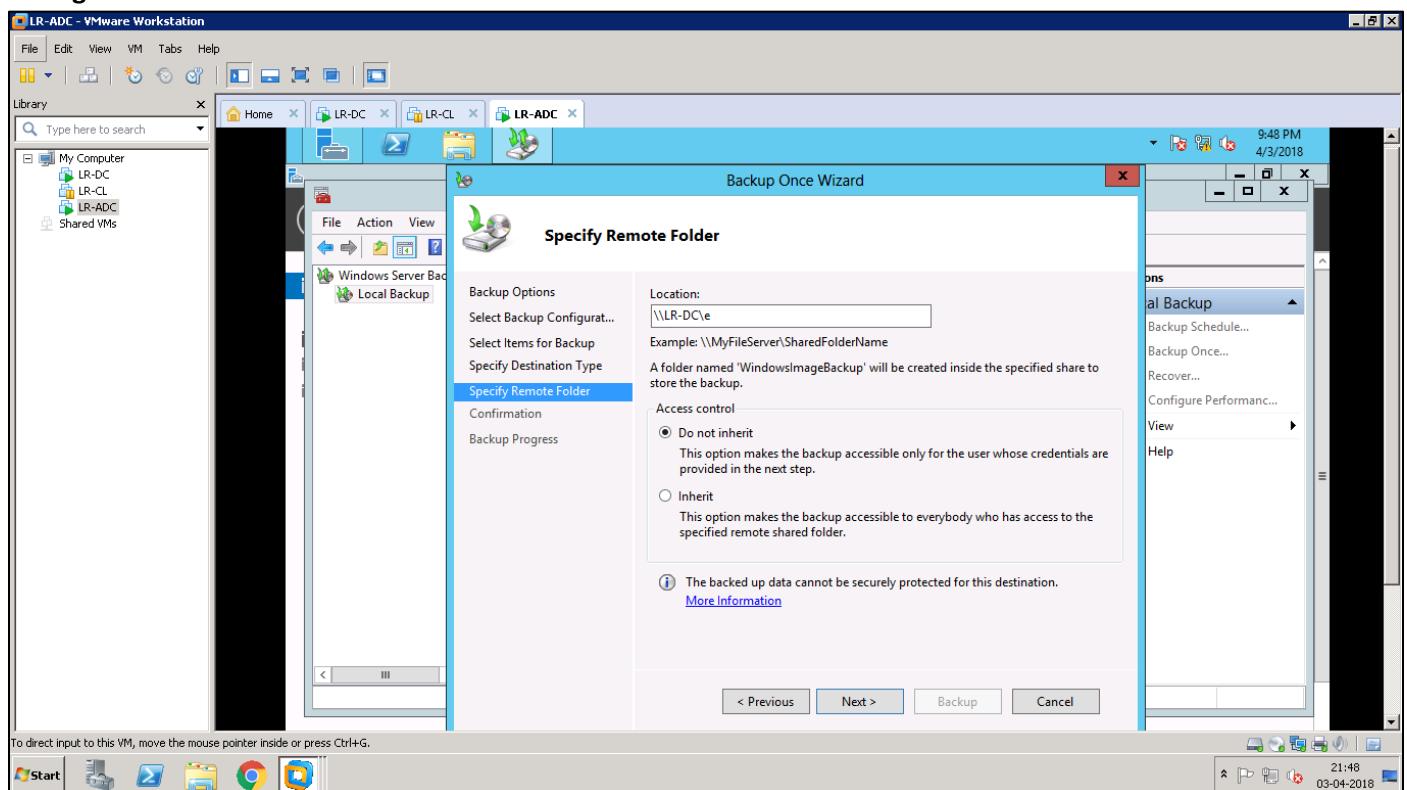




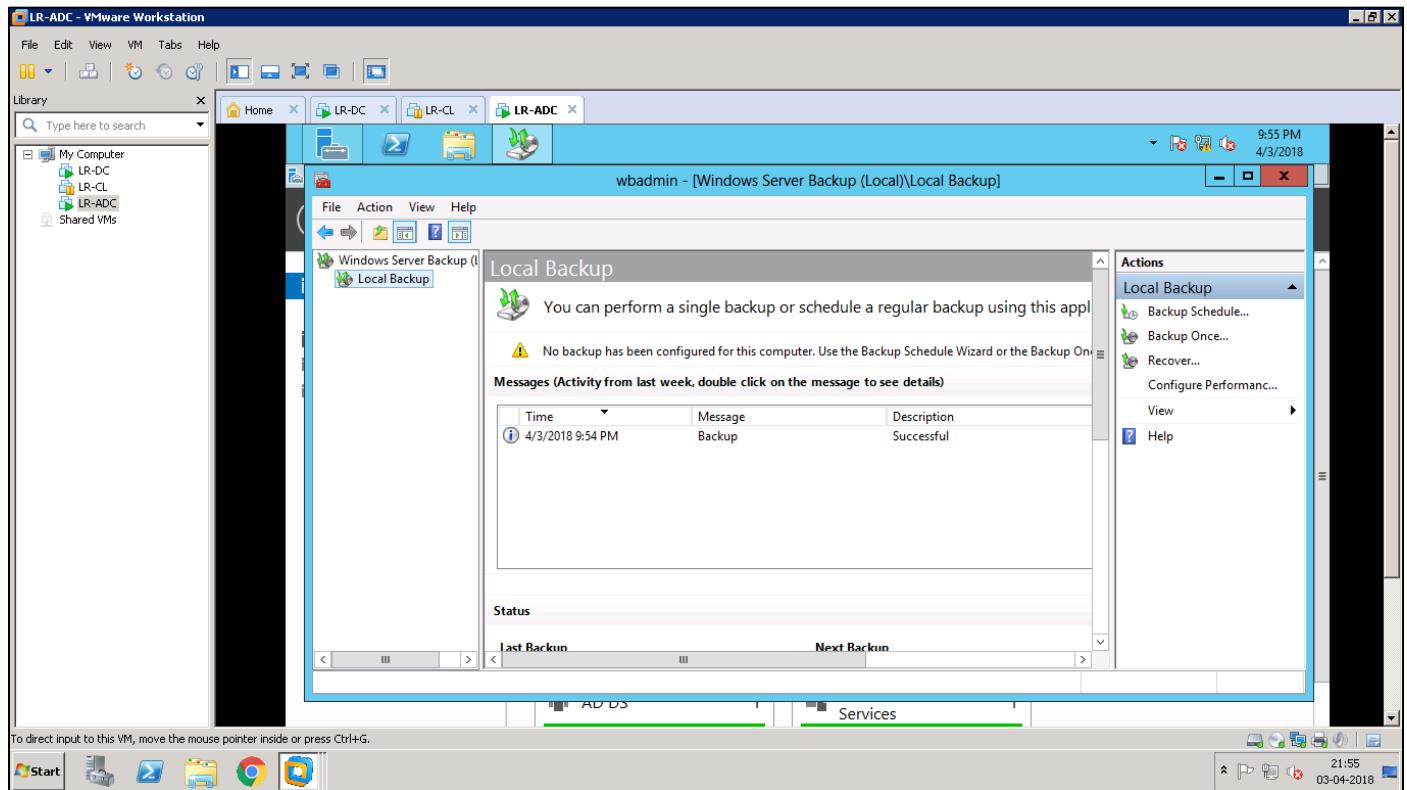
Give appropriate path for backup storage:



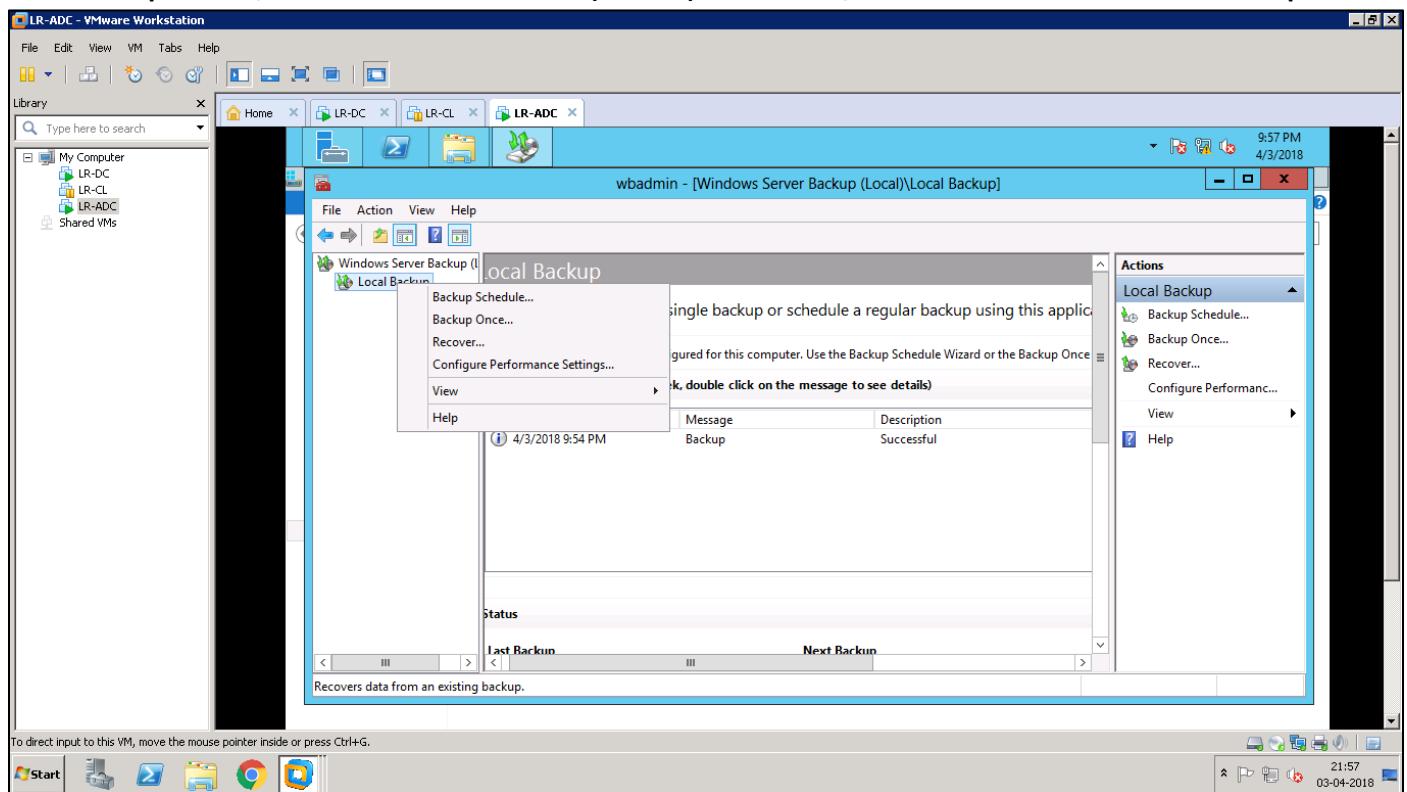
Asking for credentials:



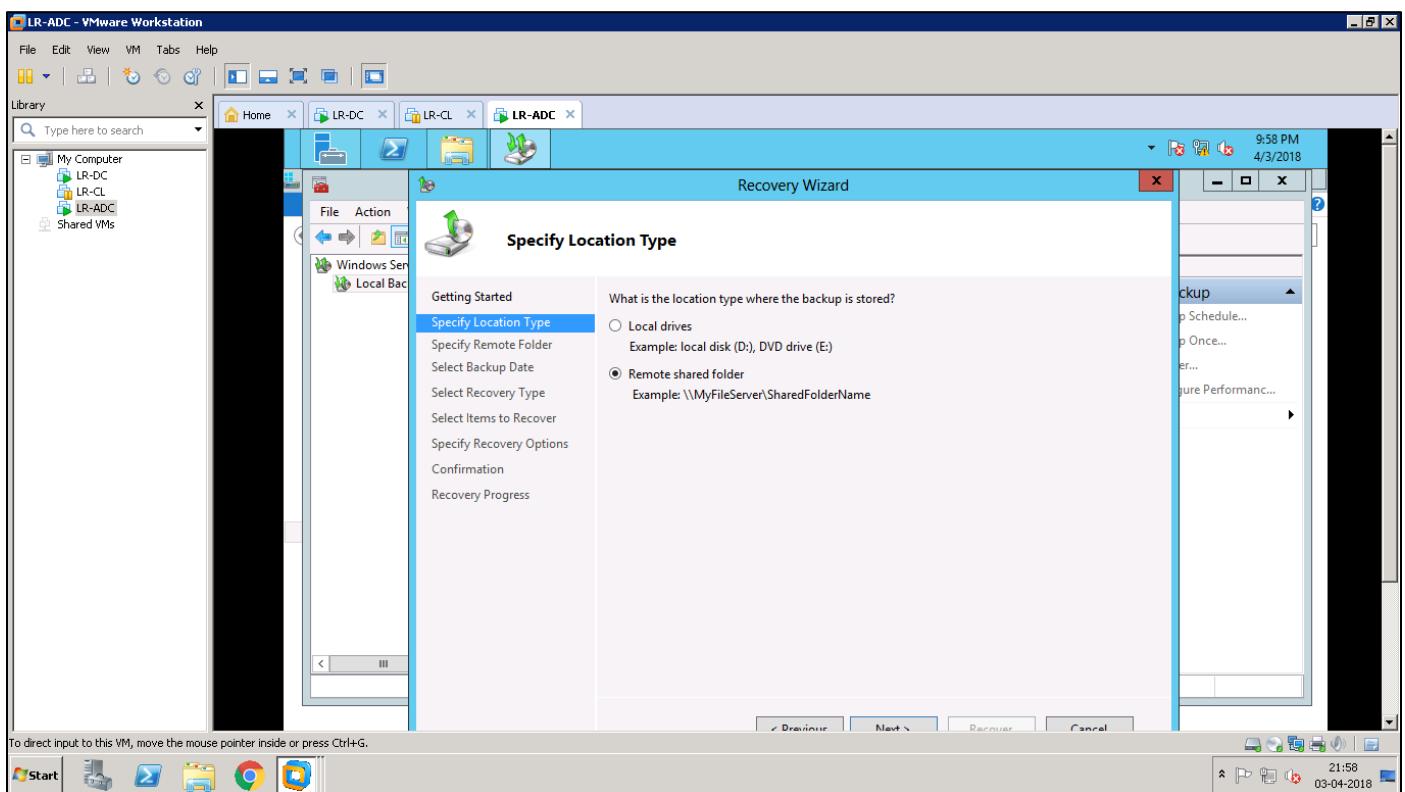
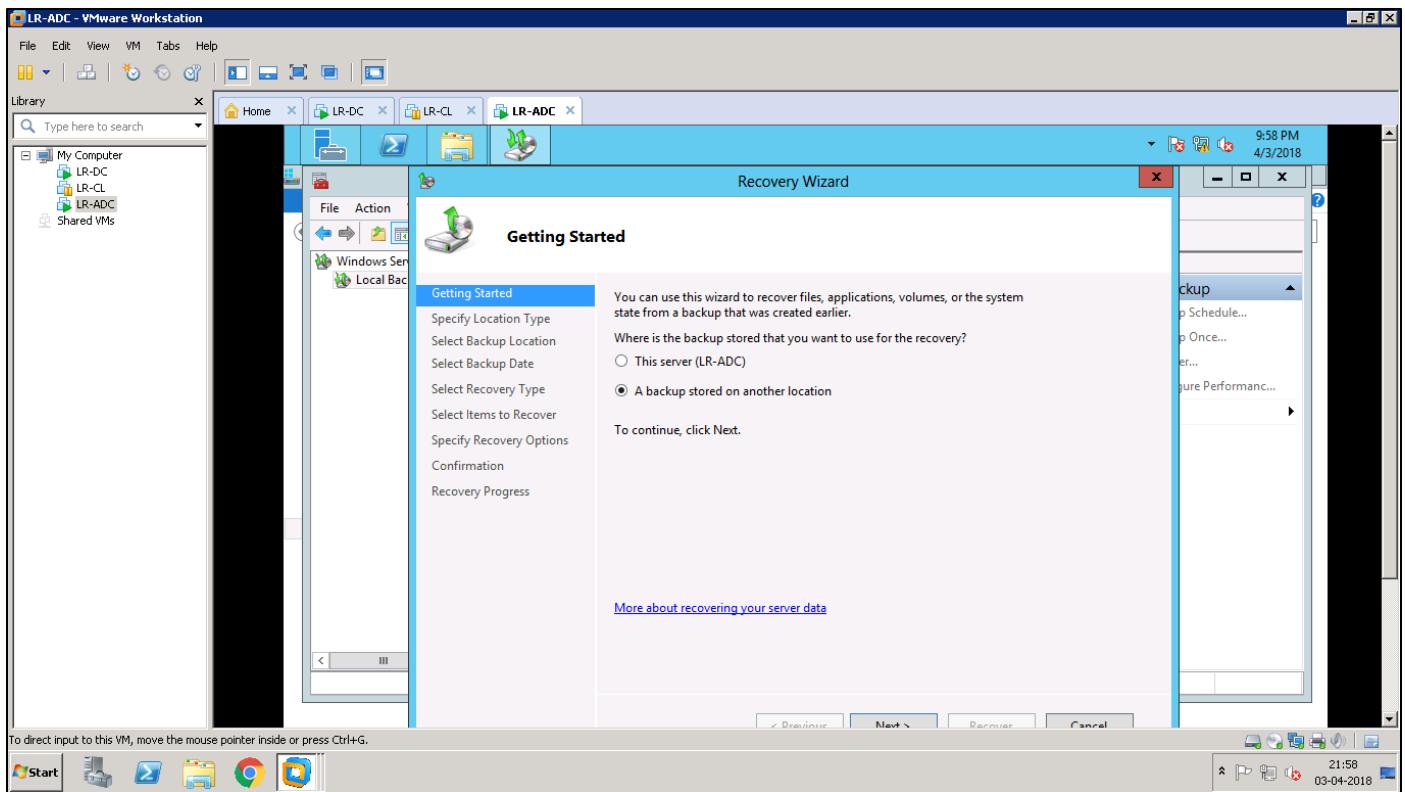
Successful Backup:



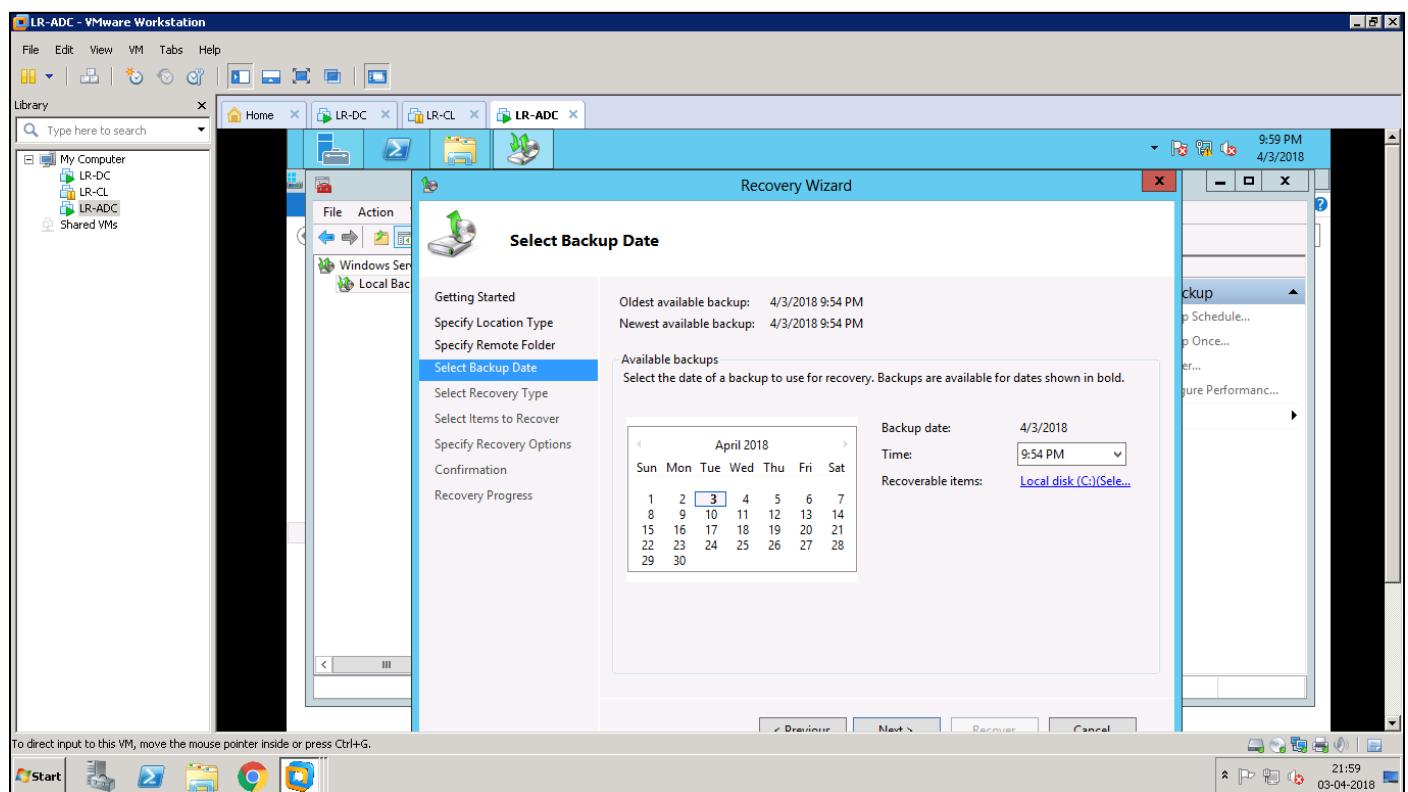
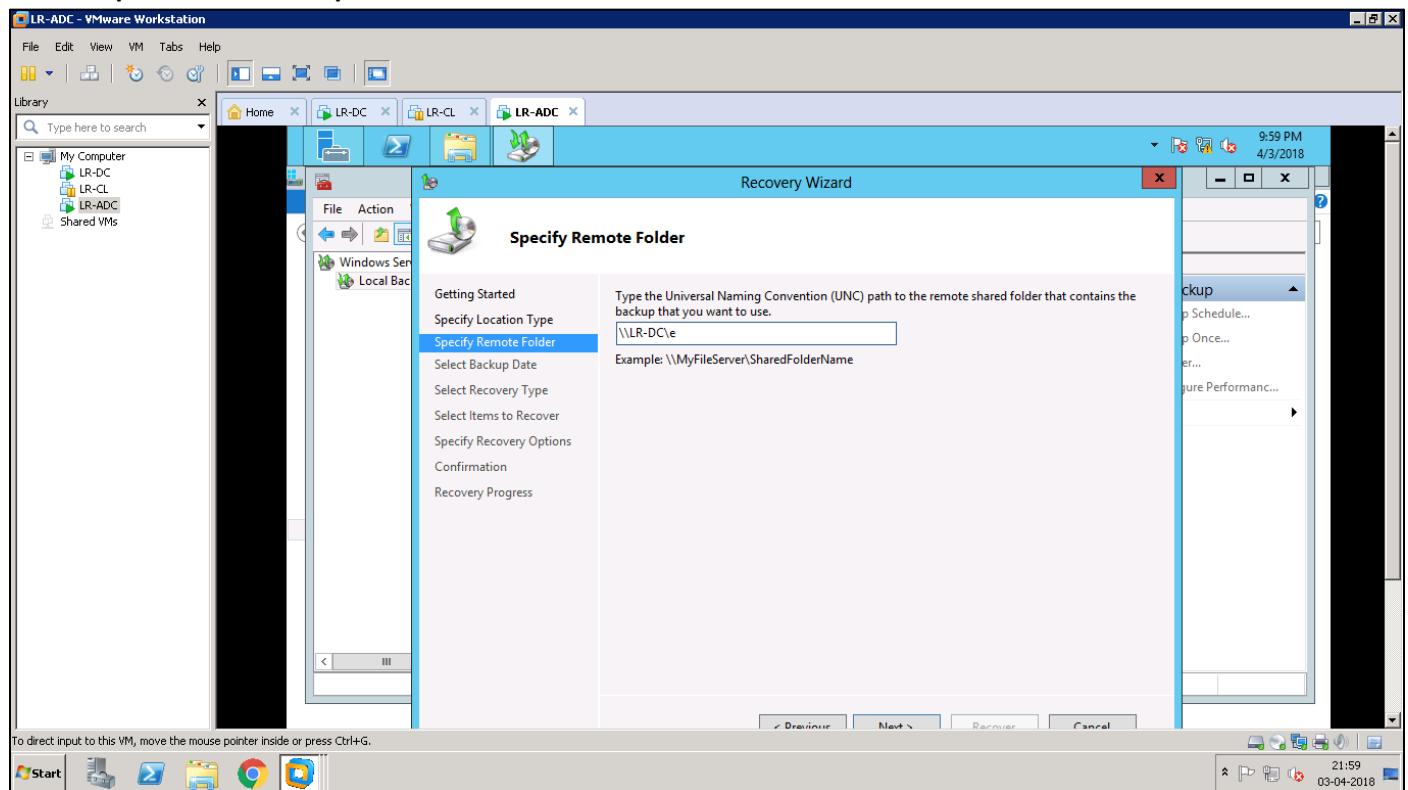
After Backup of data, delete folder from source (LR-ADC) and restore/recover the data from stored backup:

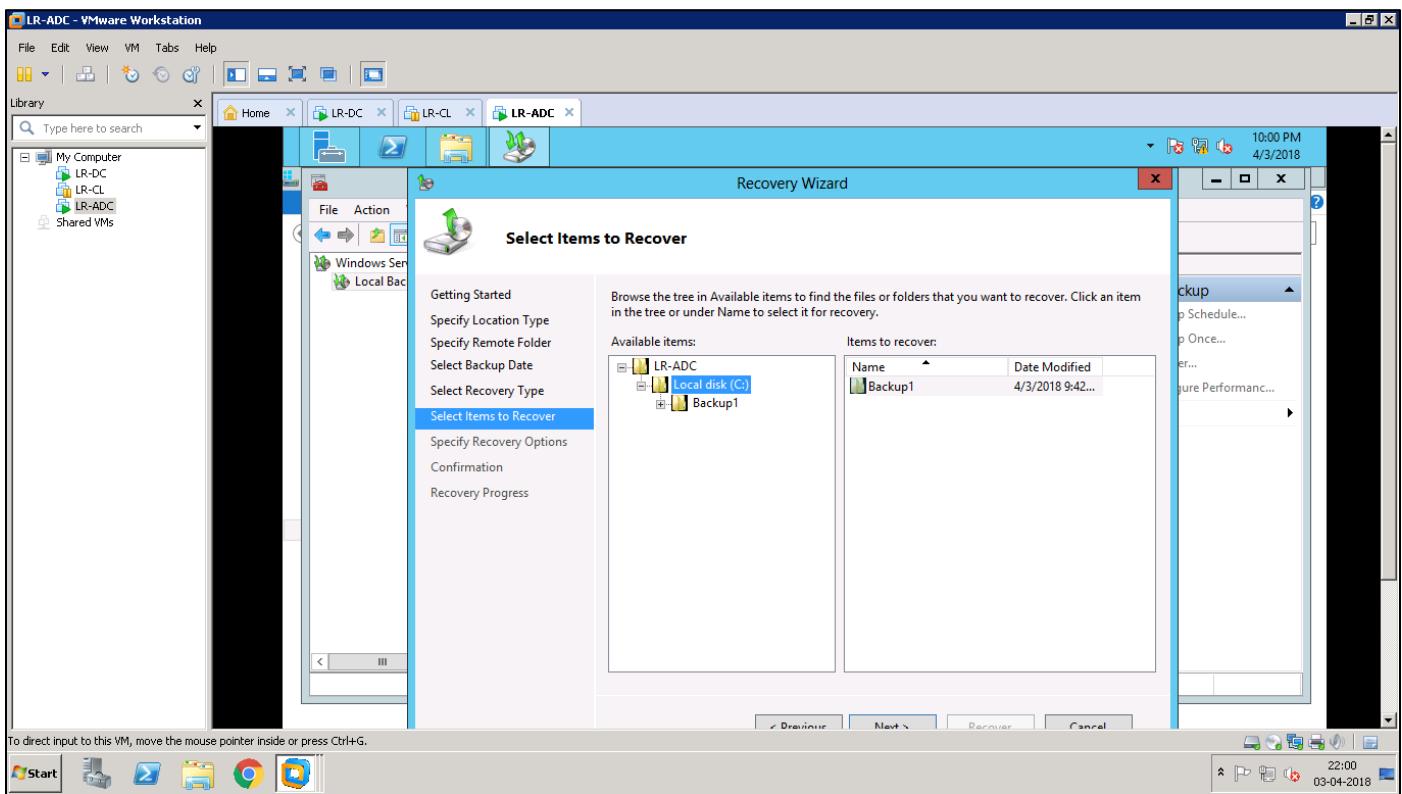
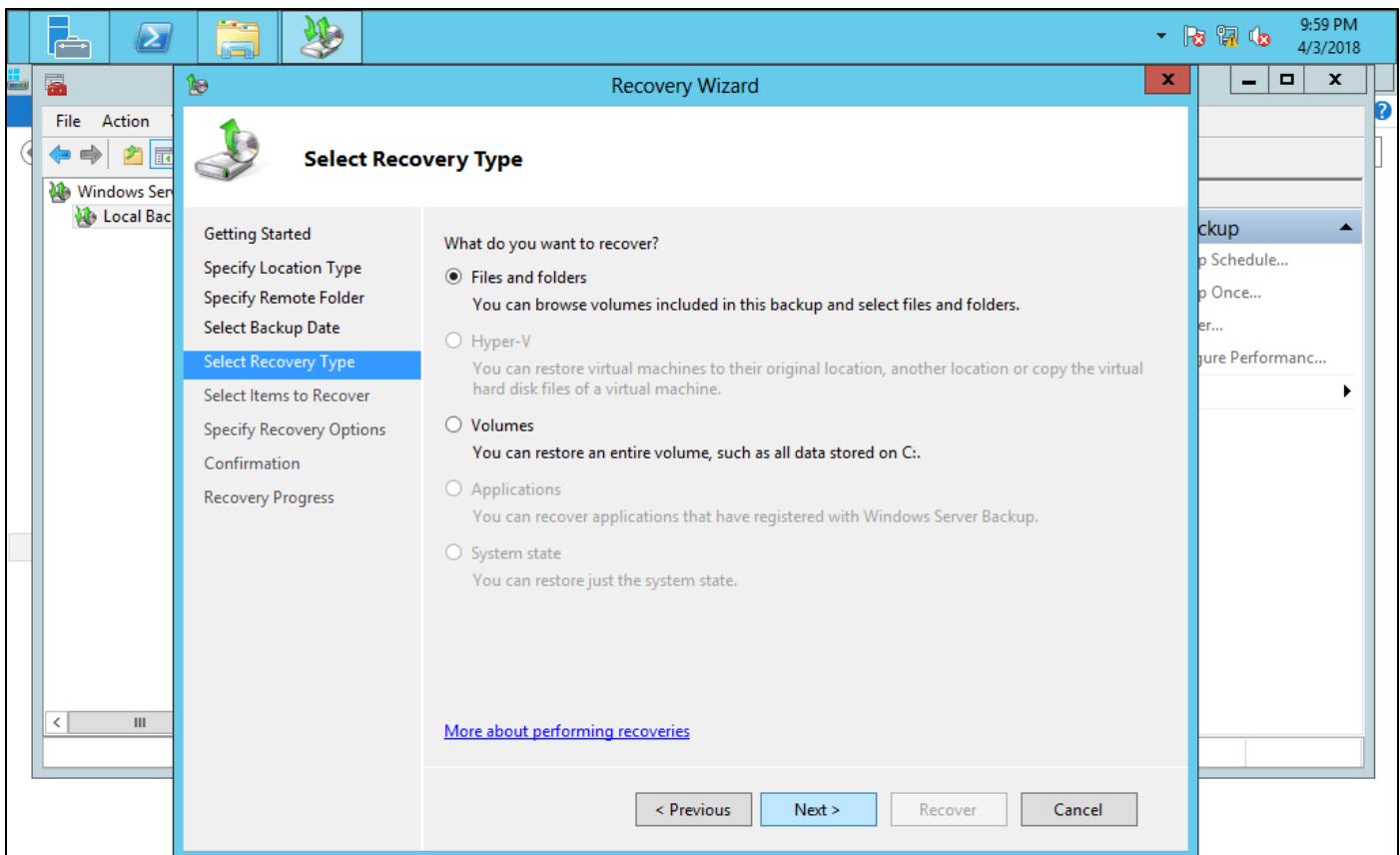


Click on 'Recover'

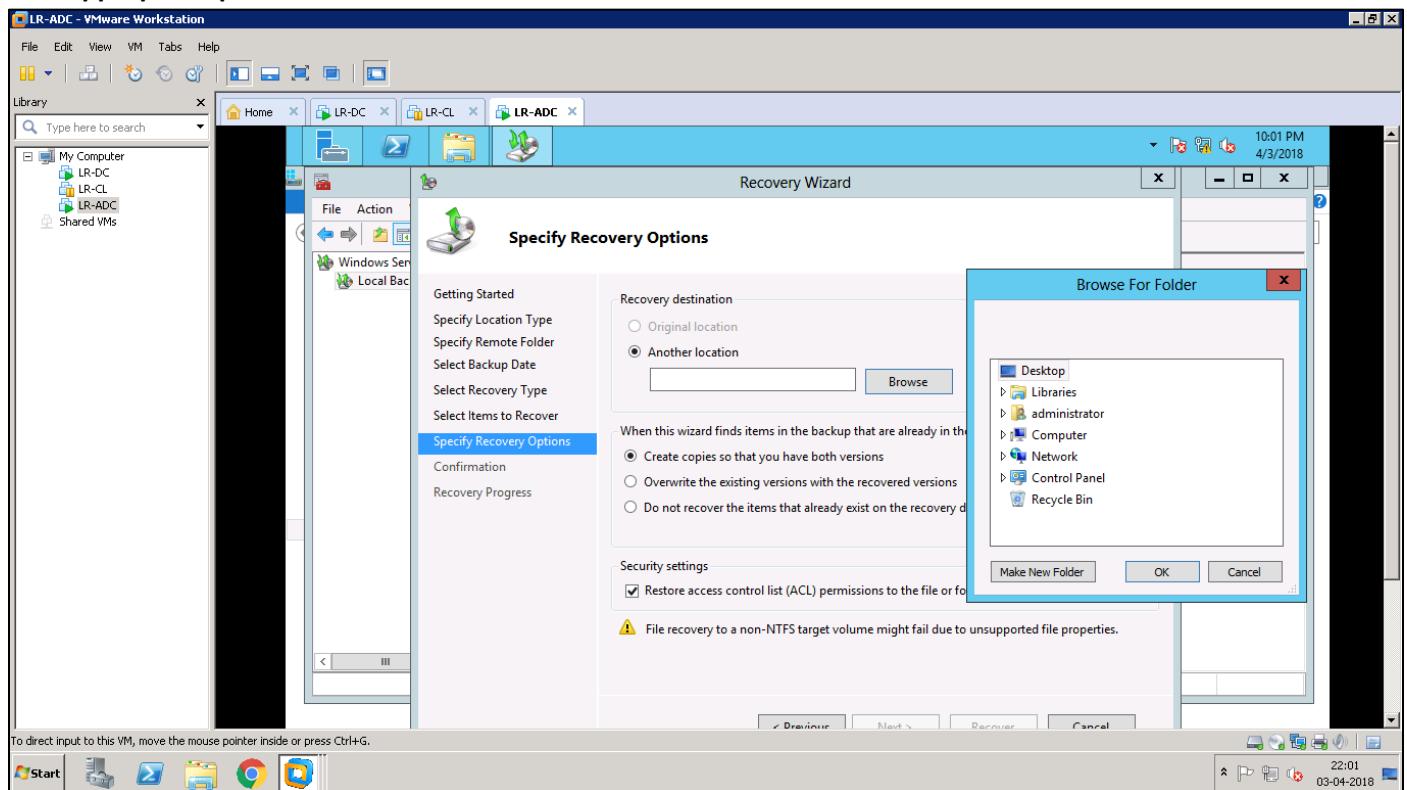


Give the path where backup was stored:

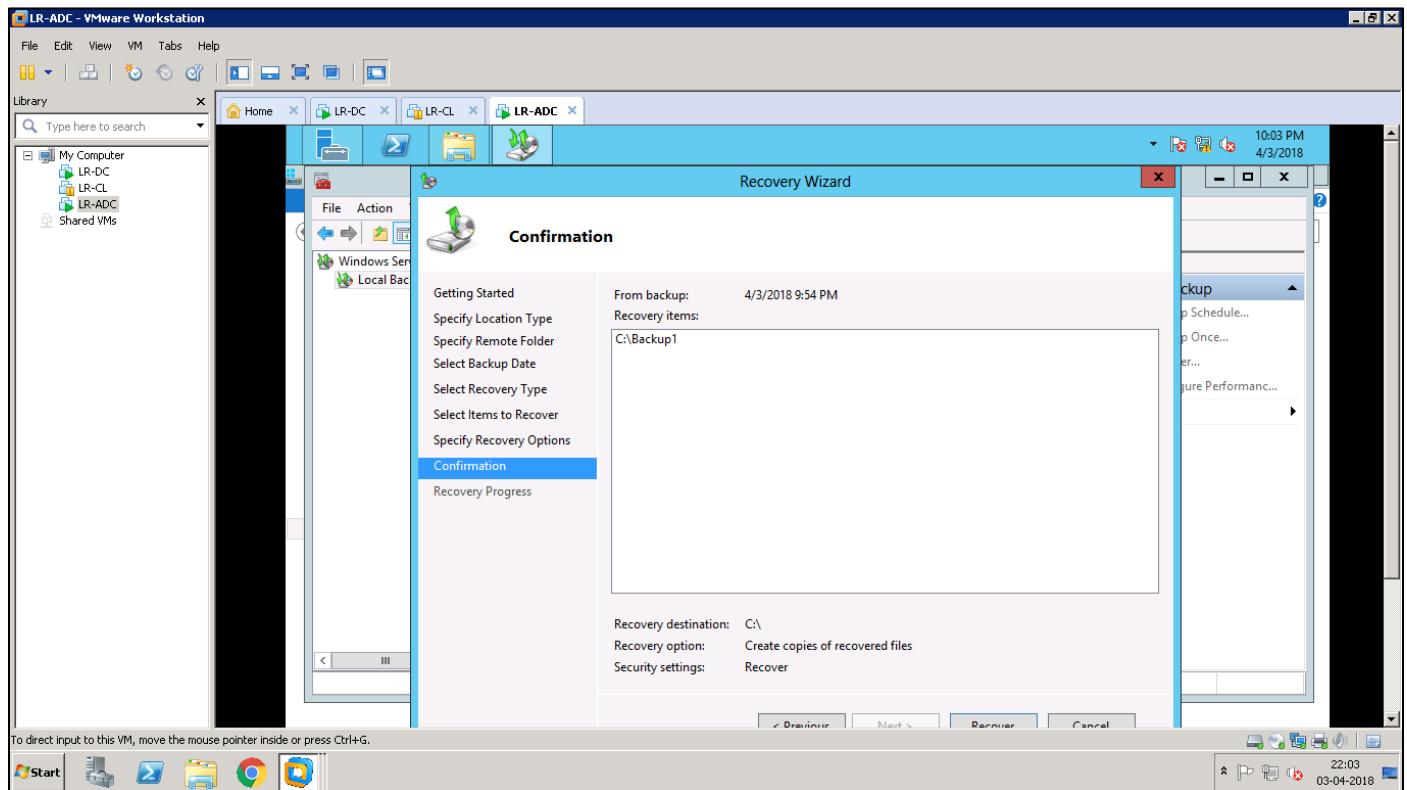




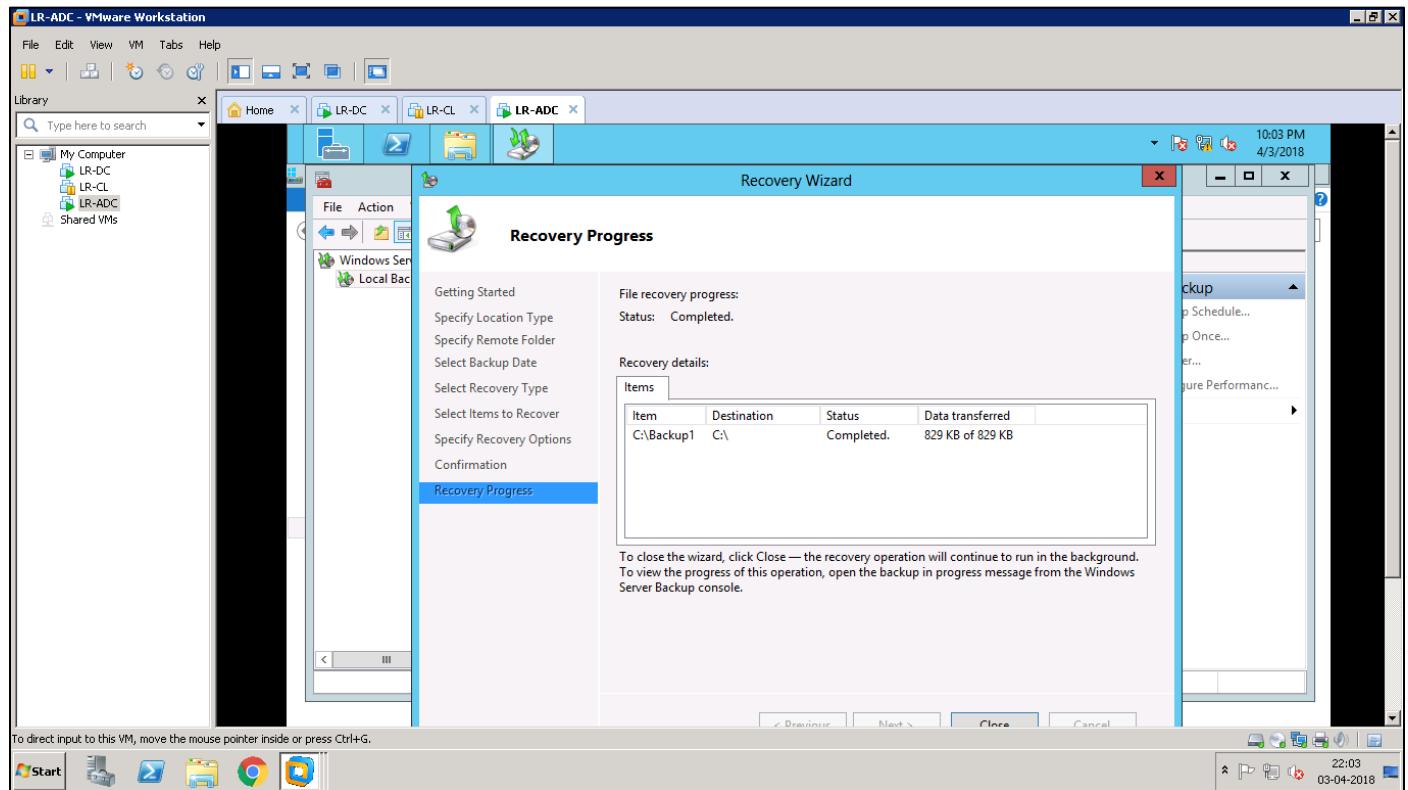
Give appropriate path to store receiver data:



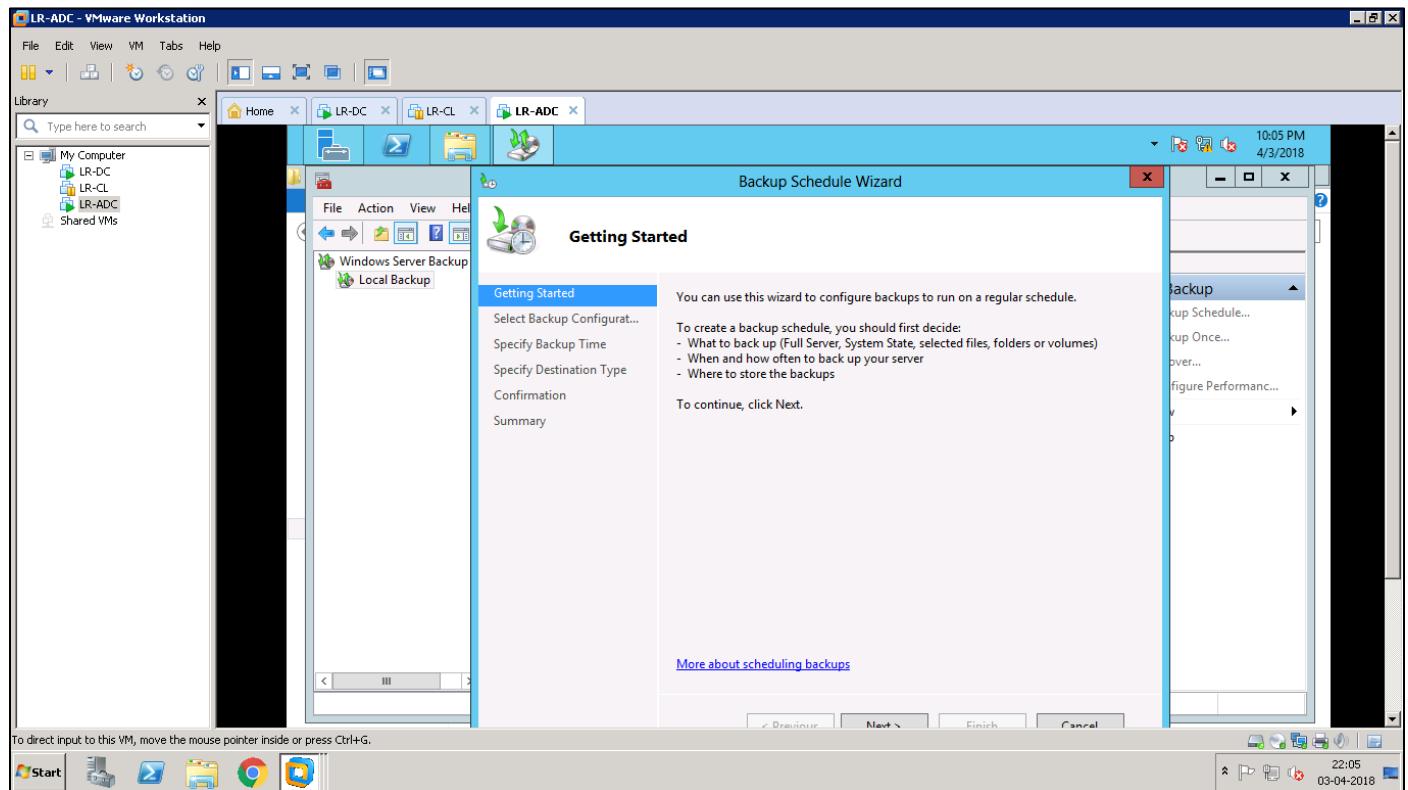
Select C drive.

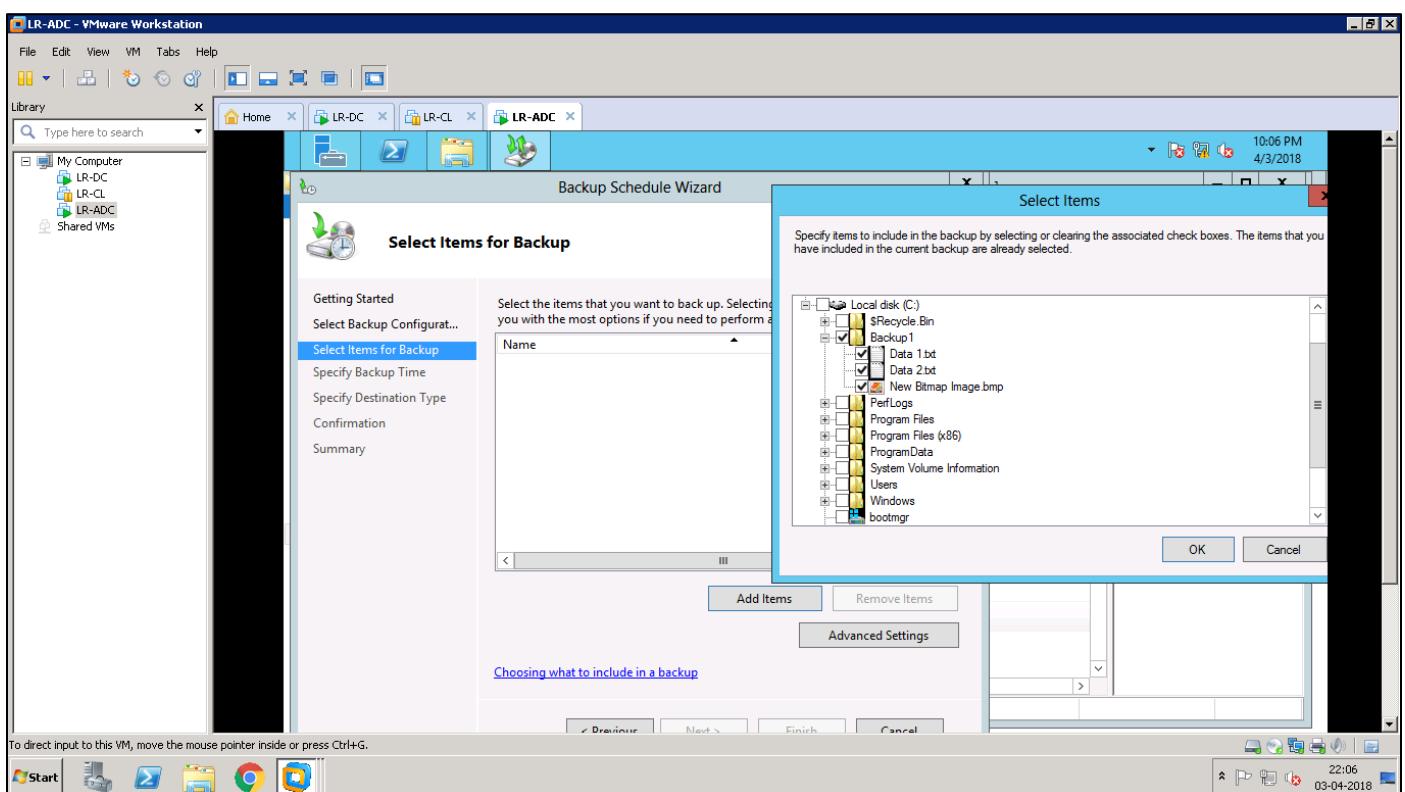
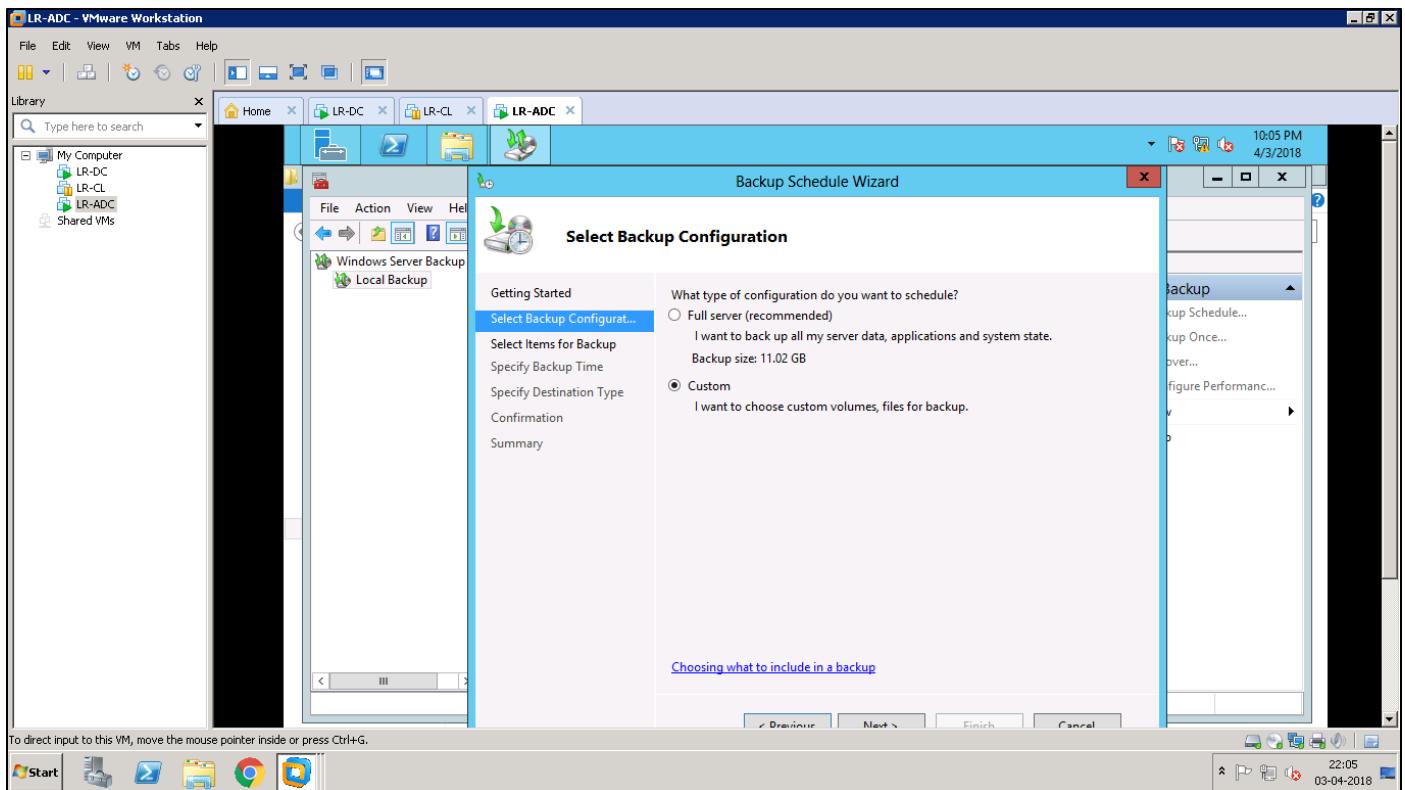


Recovery is done:

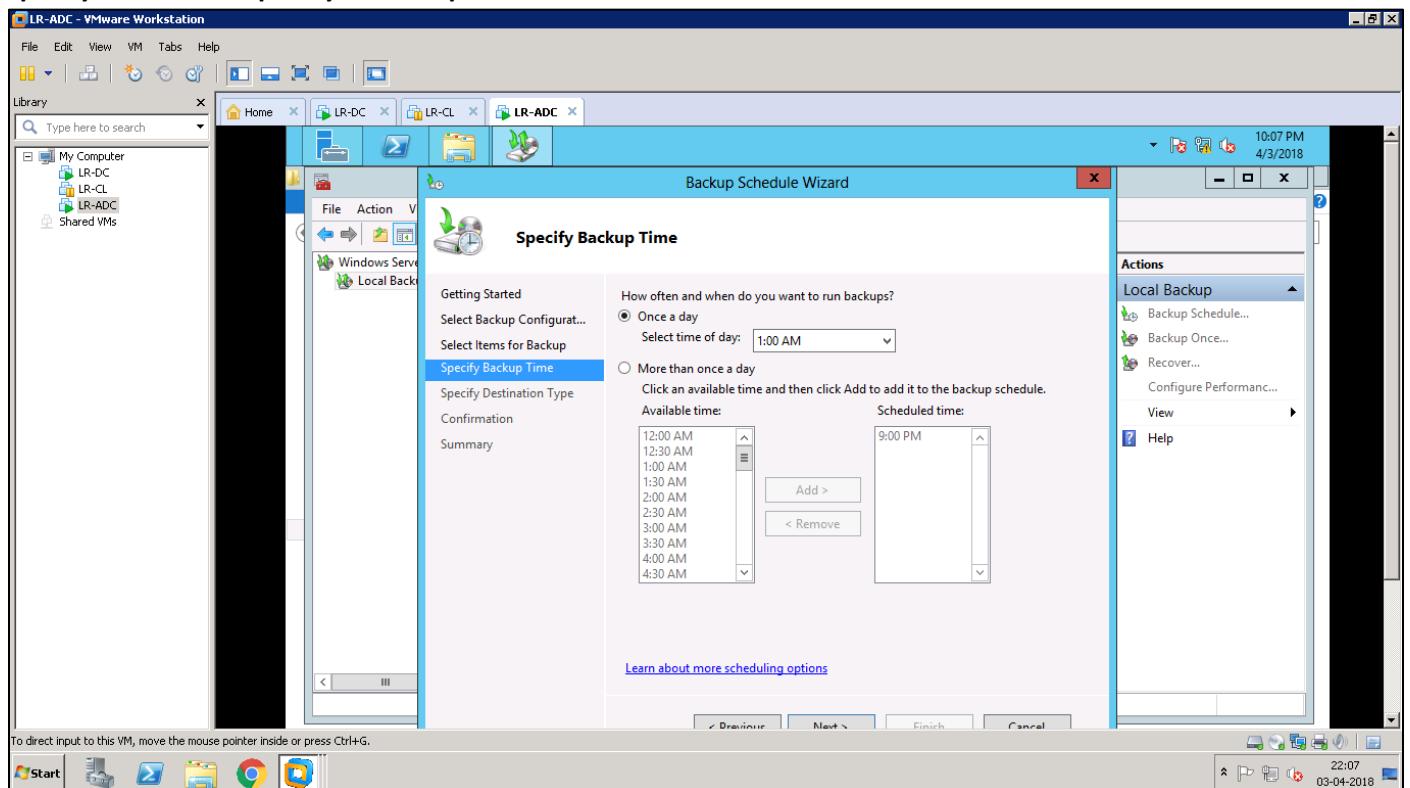


****Scheduled Backup:

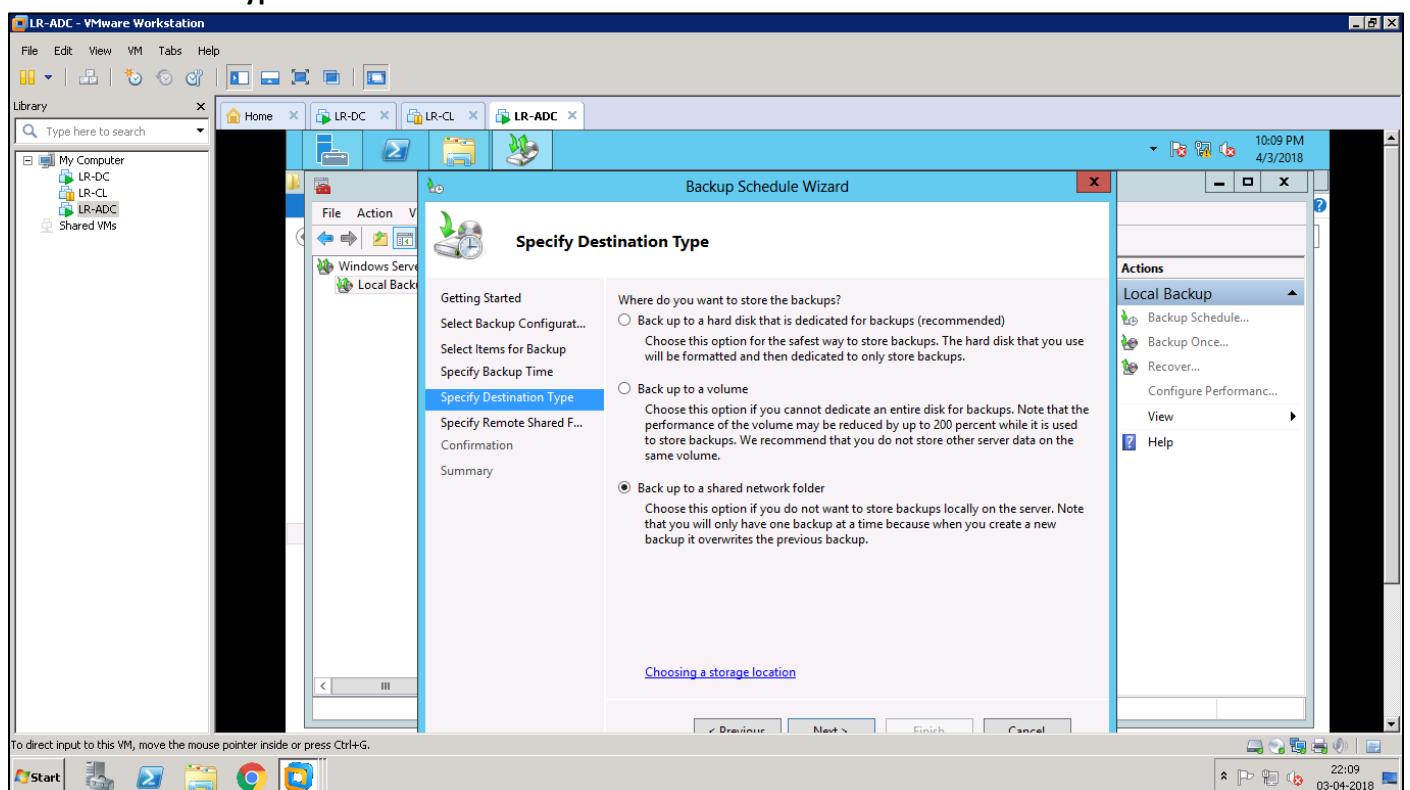




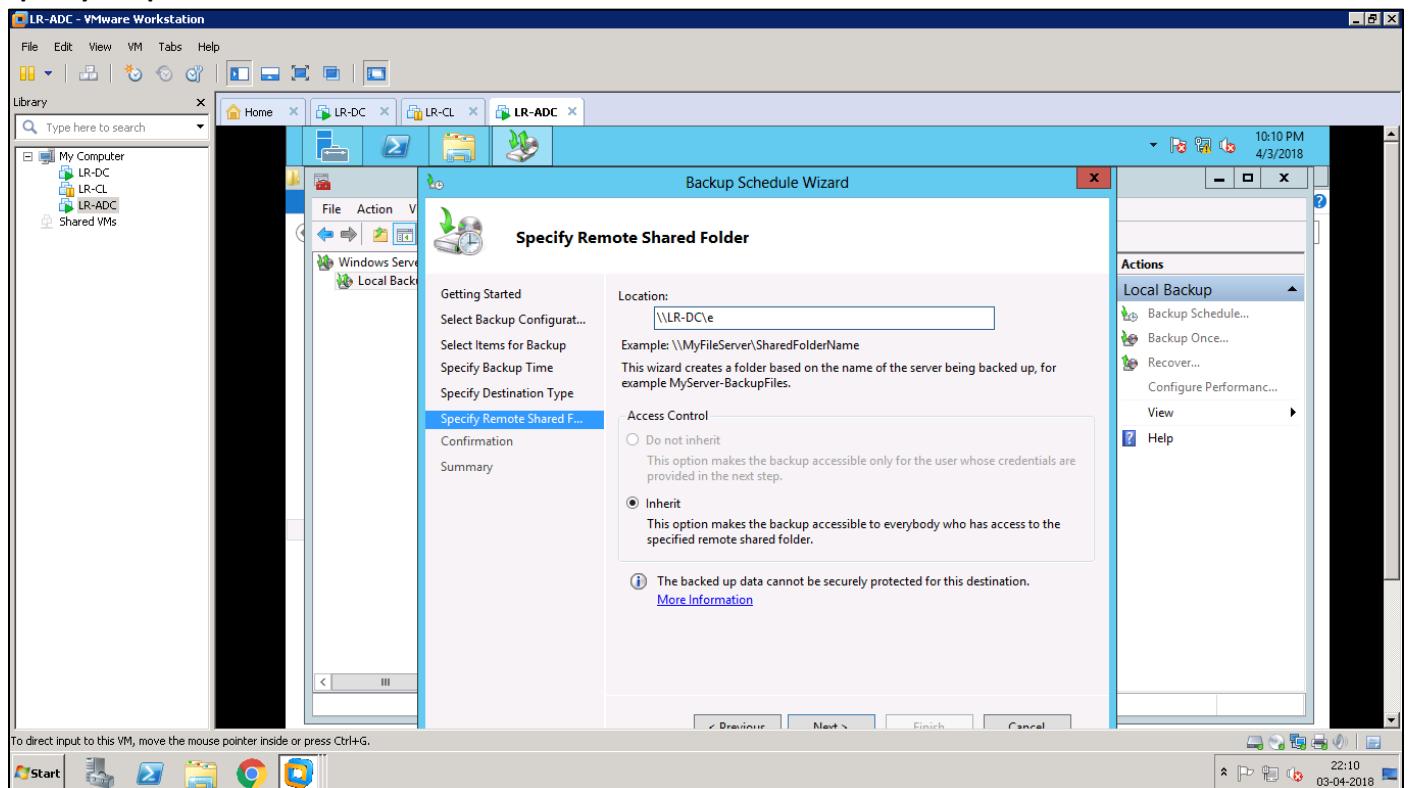
Specify time and frequency of backup:



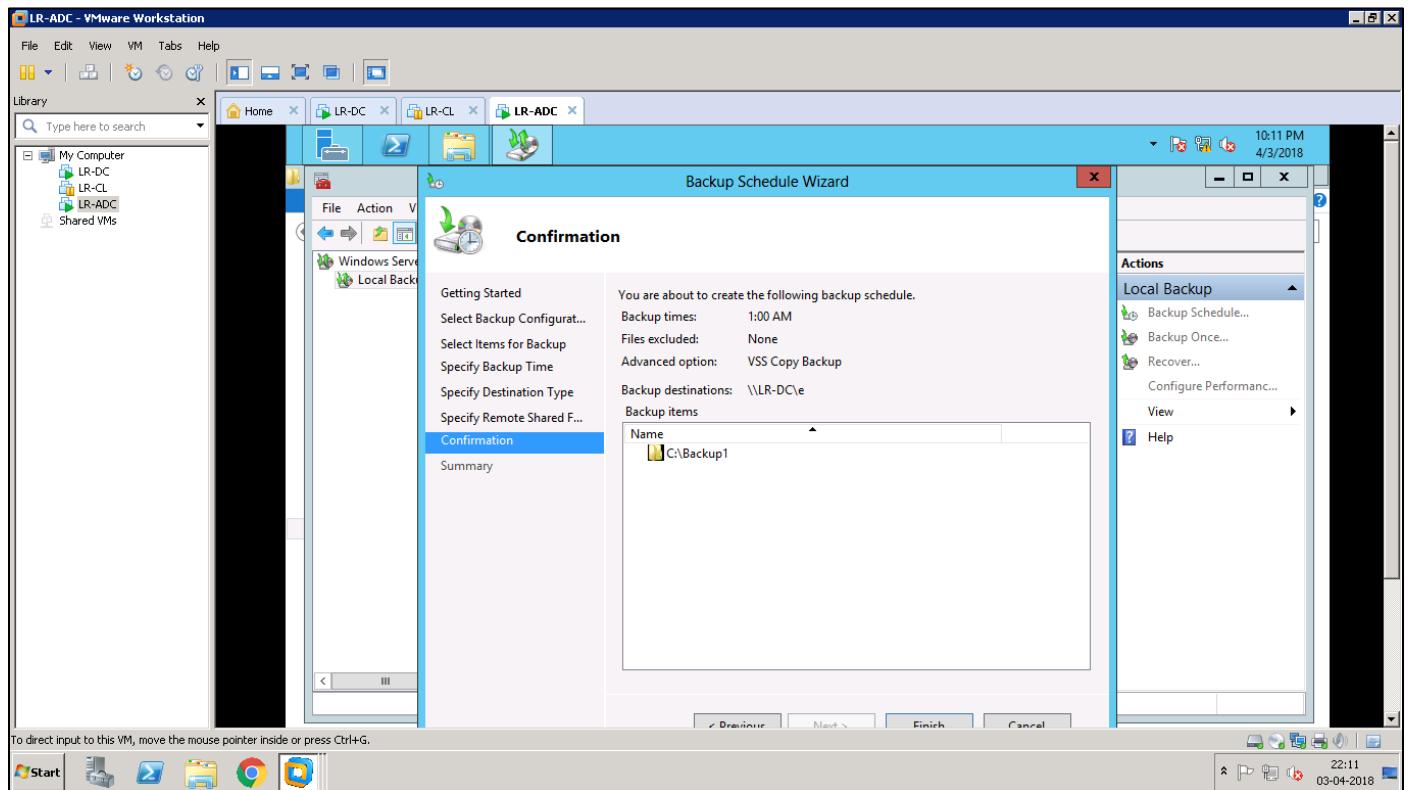
Select Destination type:



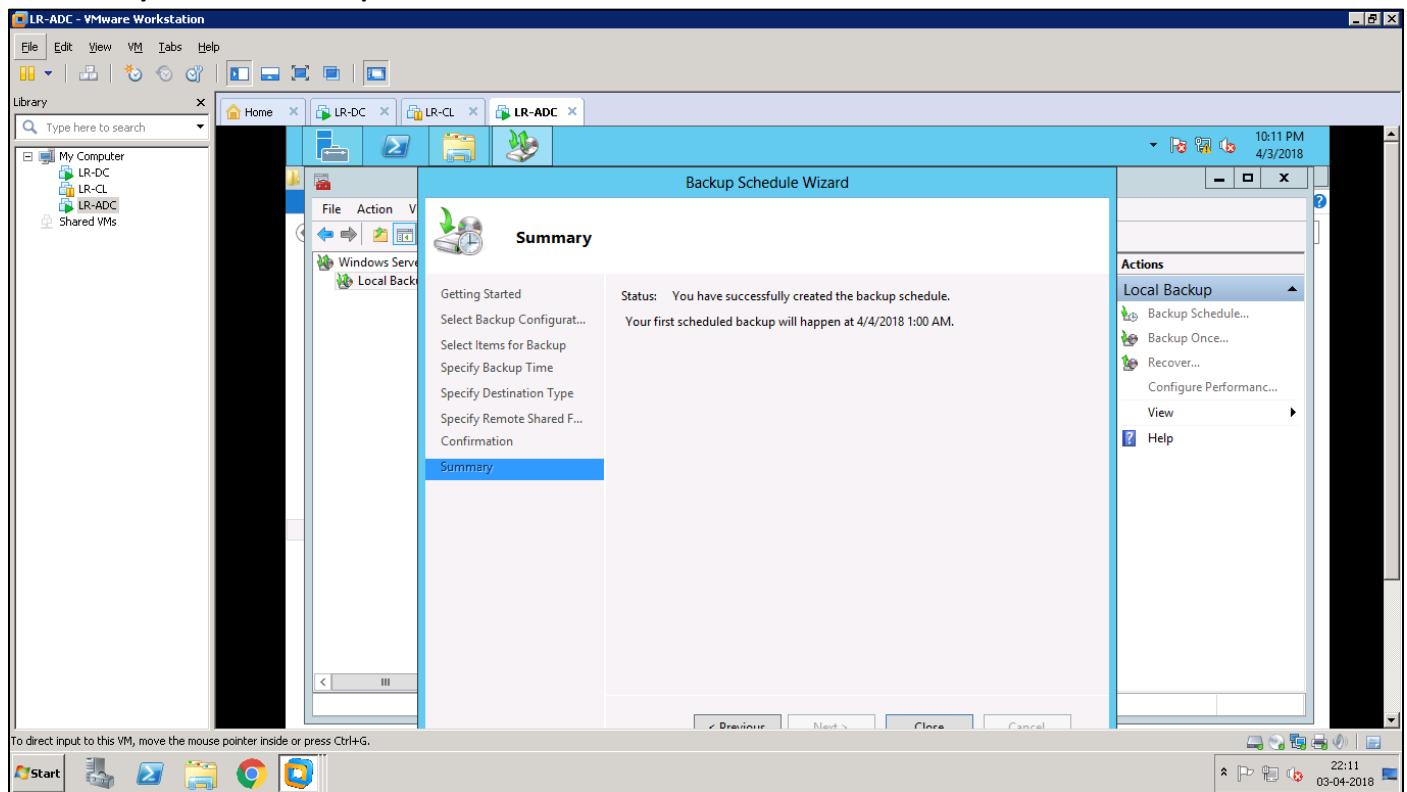
Specify the path to which data will be stored:



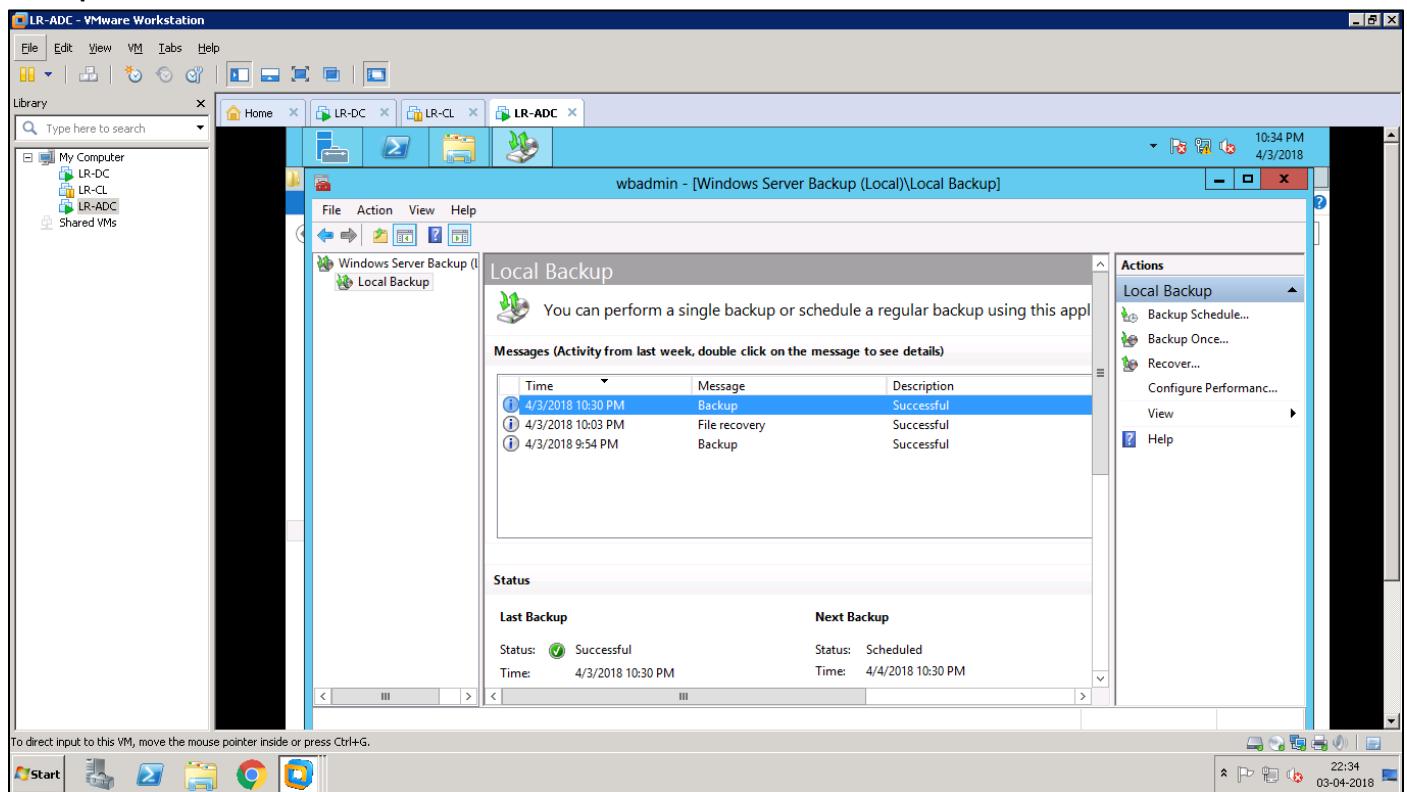
After this, provide the credentials.



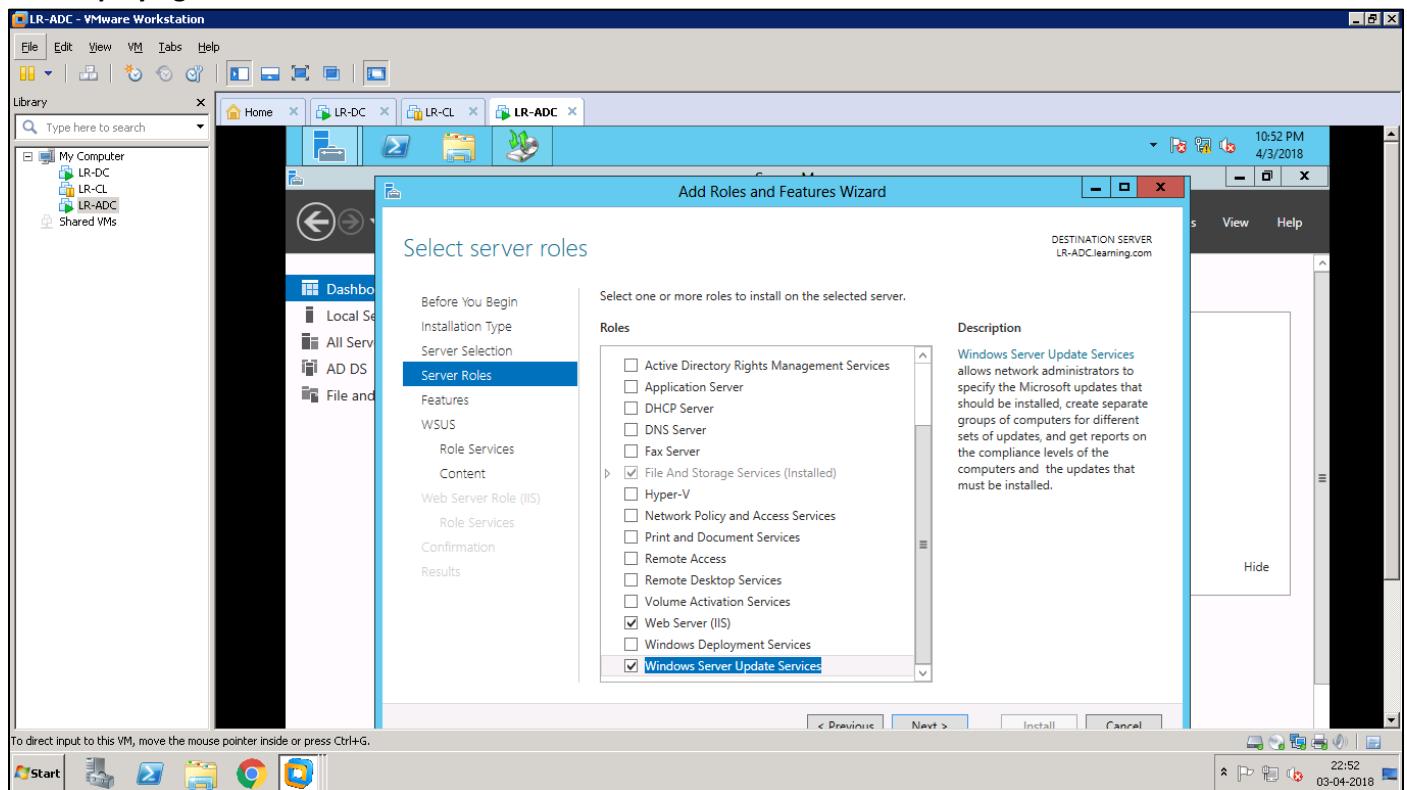
Successfully scheduled backup:



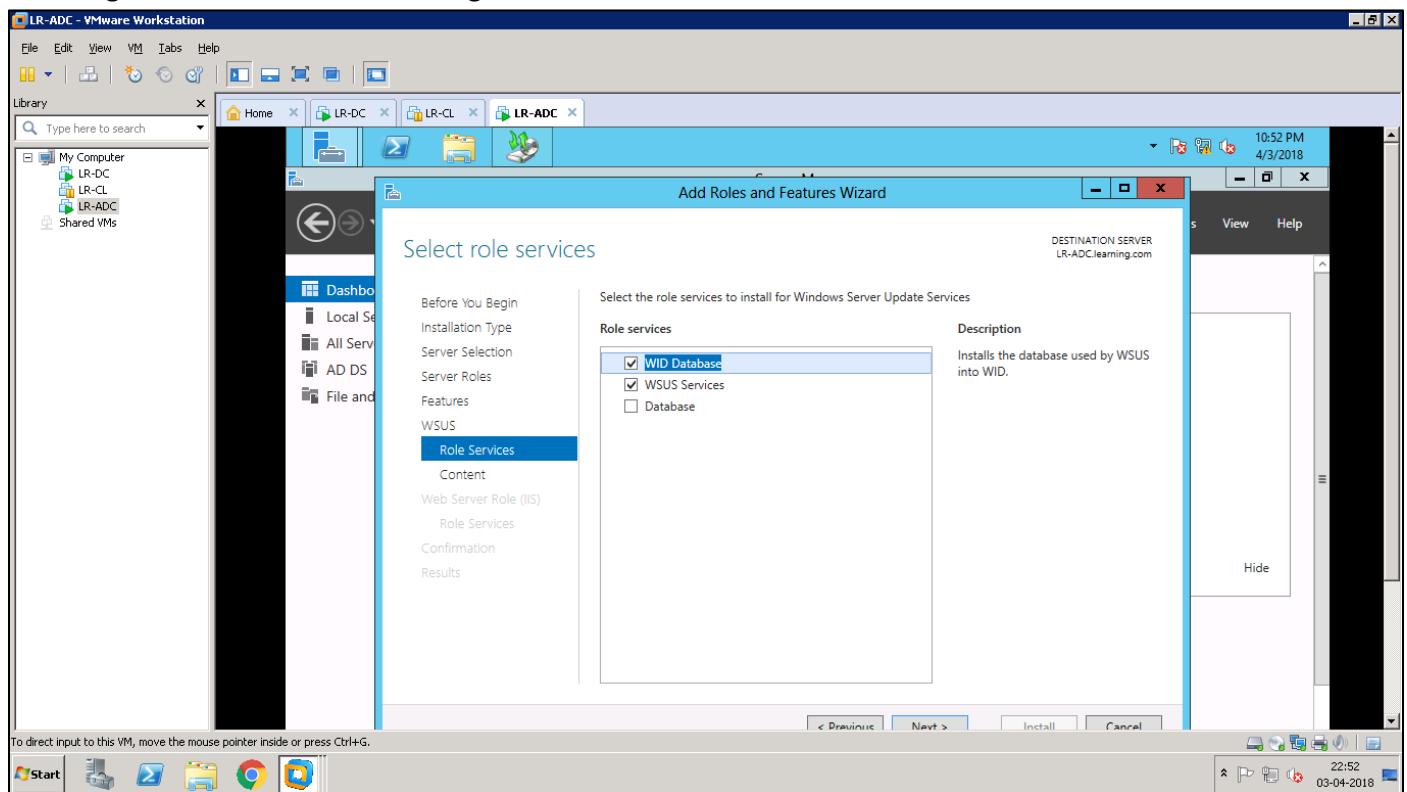
Backup done at scheduled time:



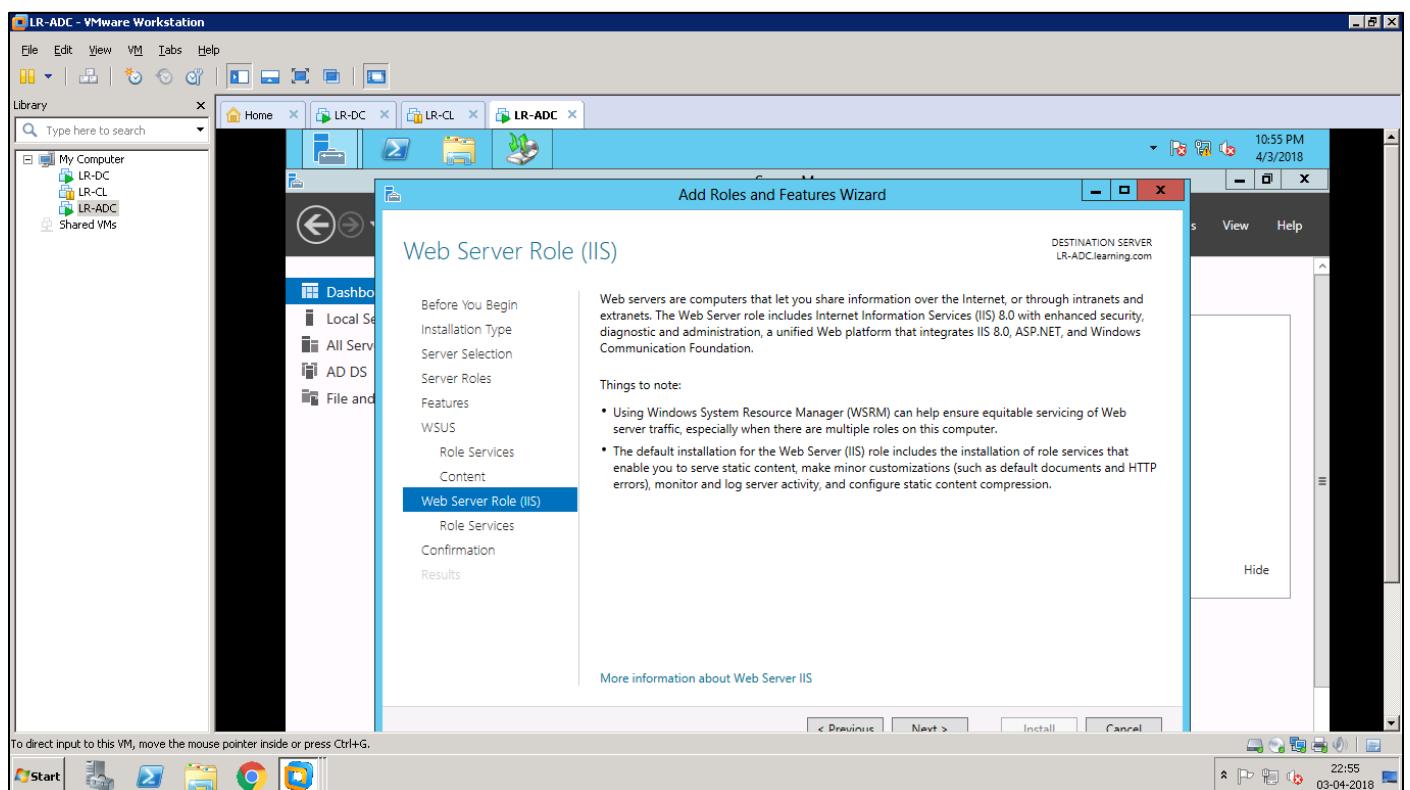
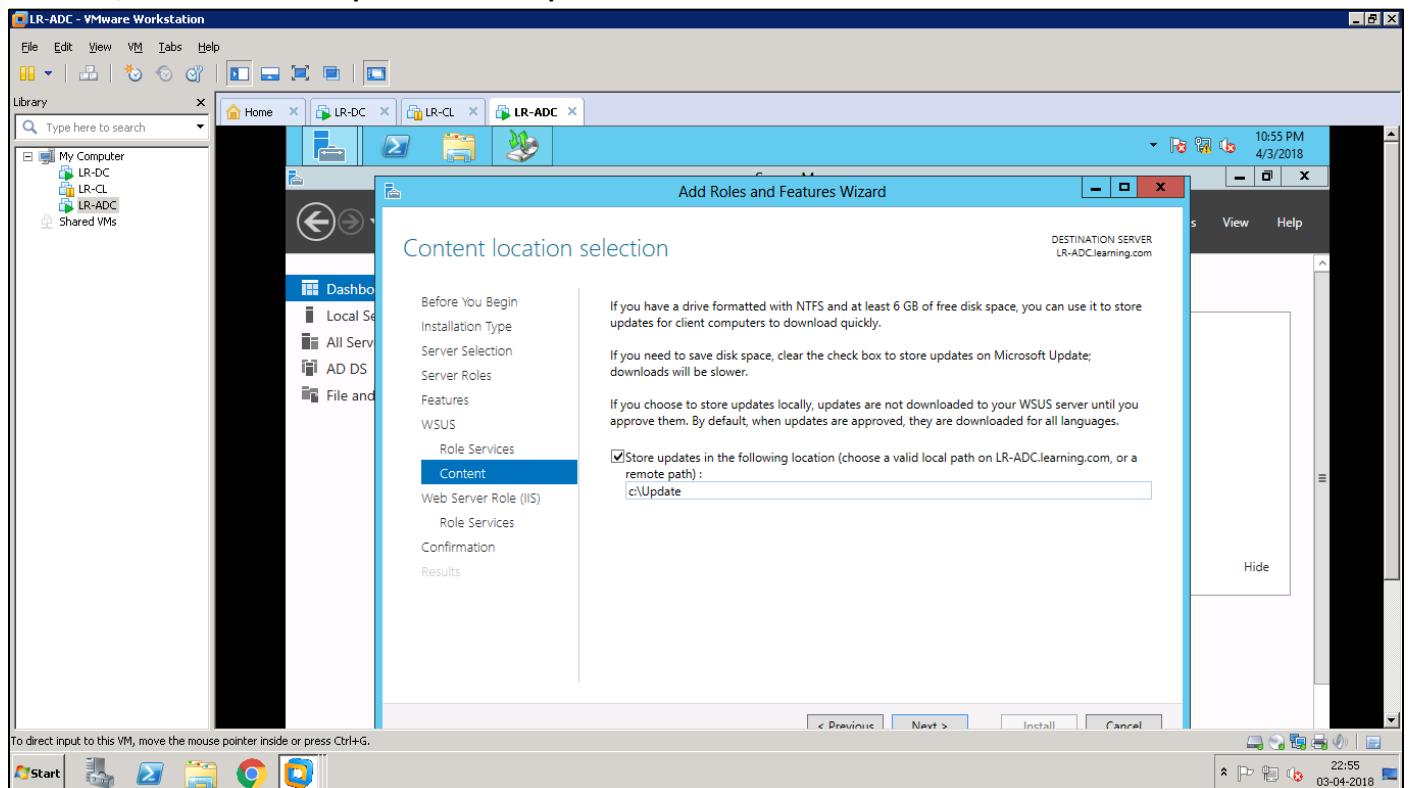
****Deploying WSUS service:



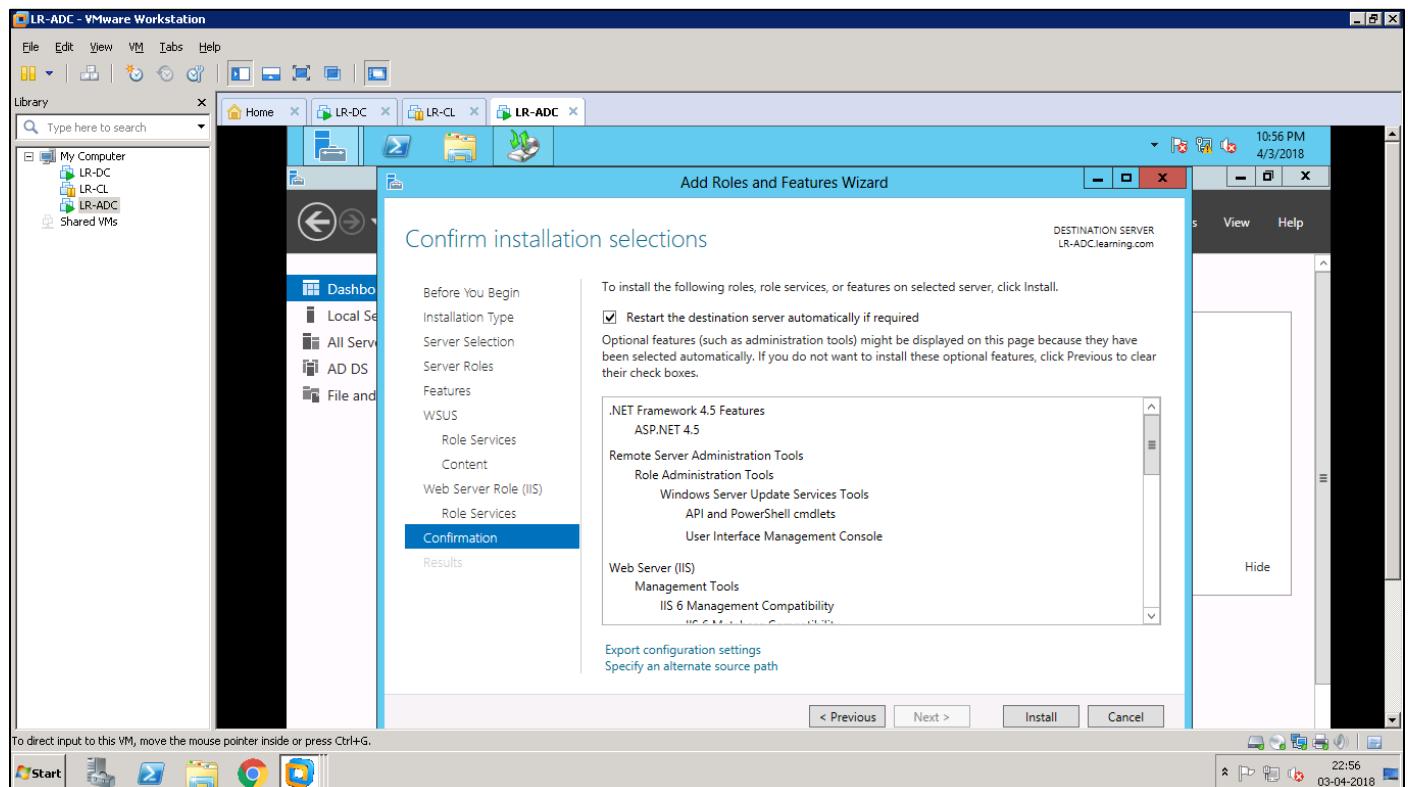
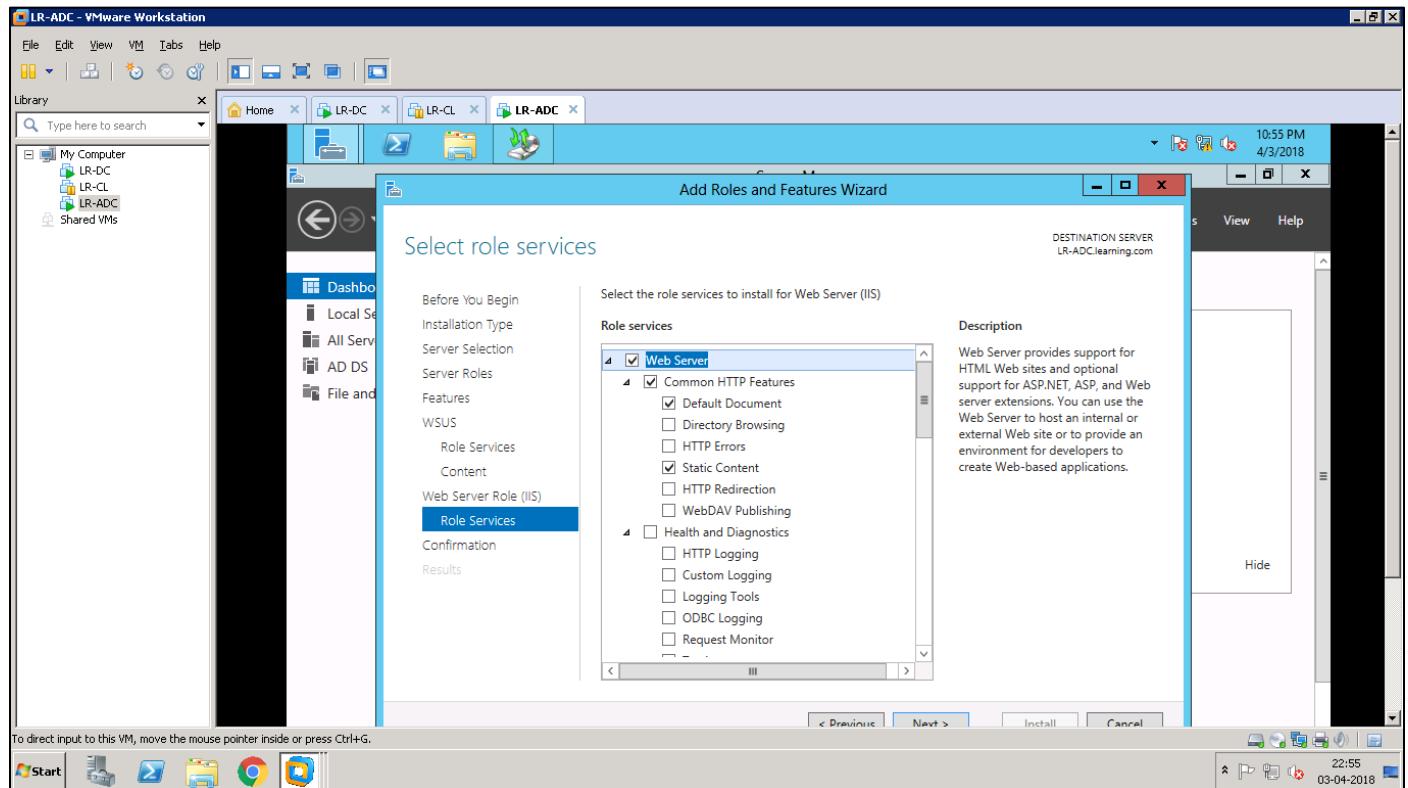
No changes are made in default settings:

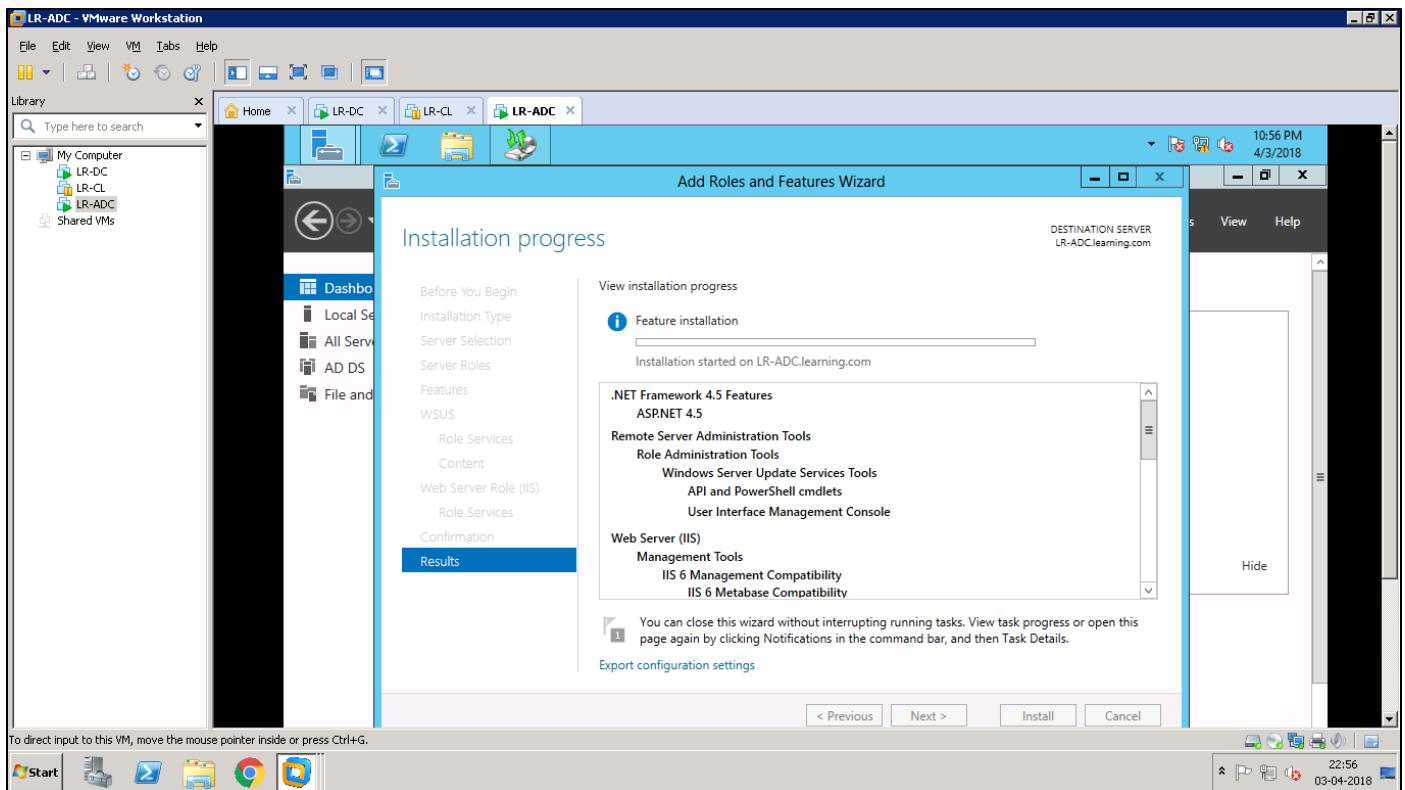


In c drive, create folder for update named 'Update':

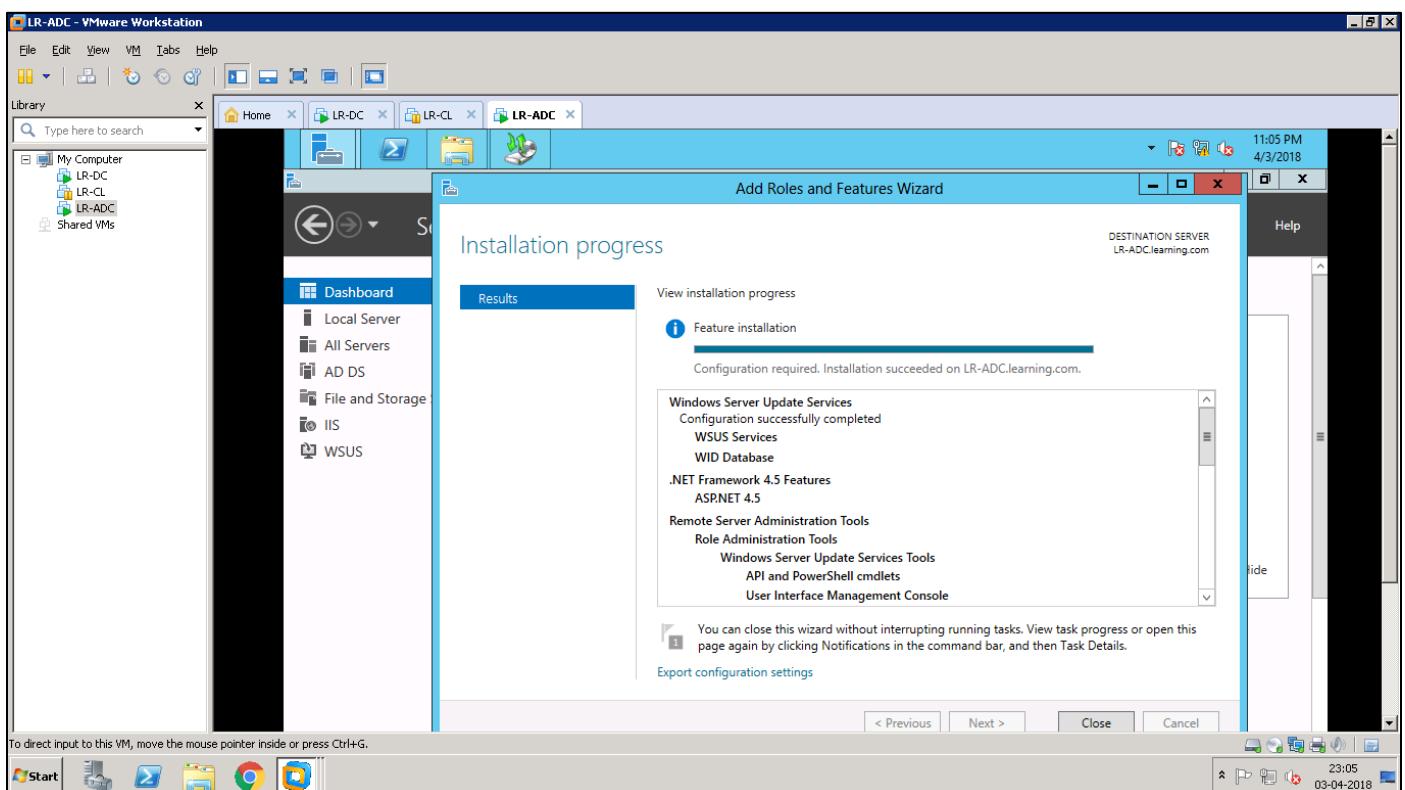


Default configuration:

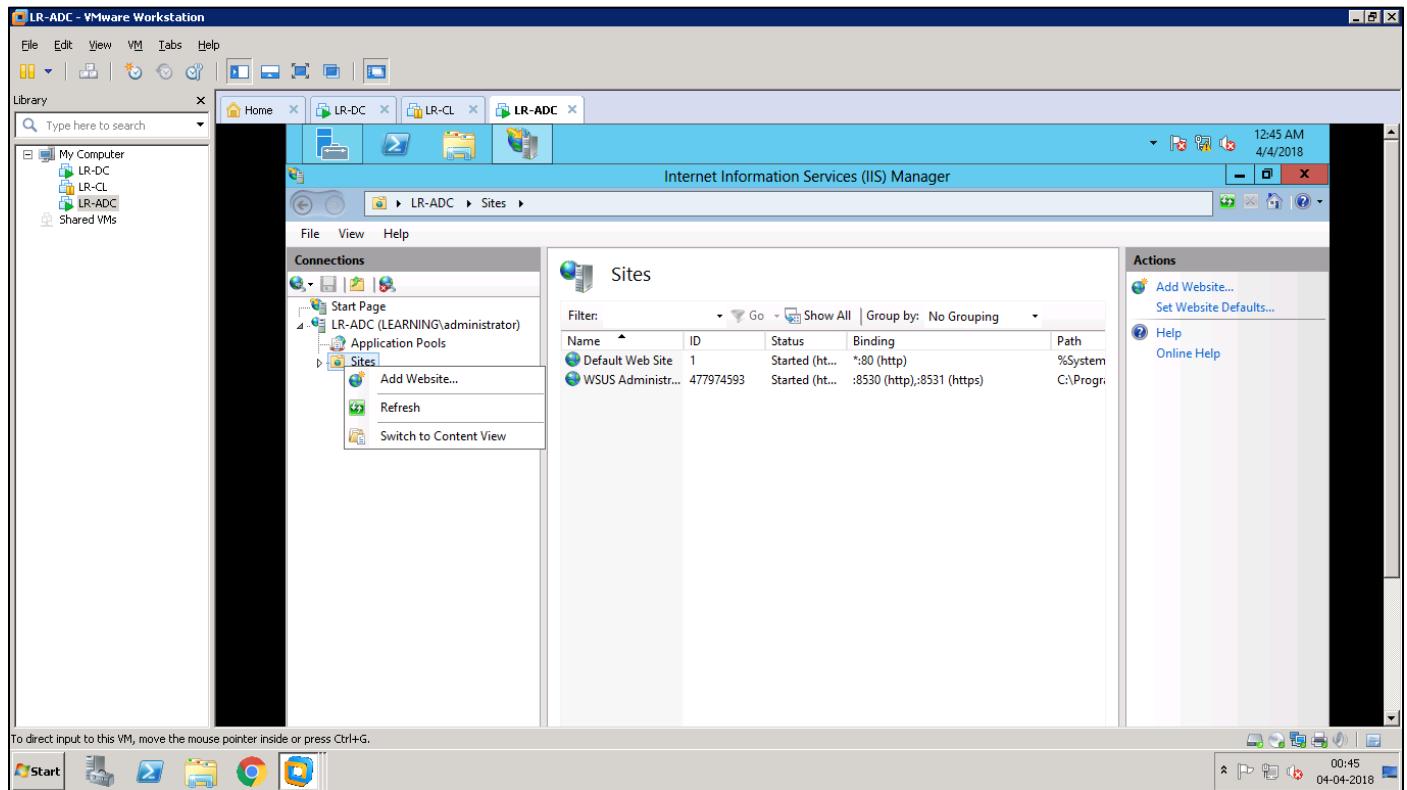




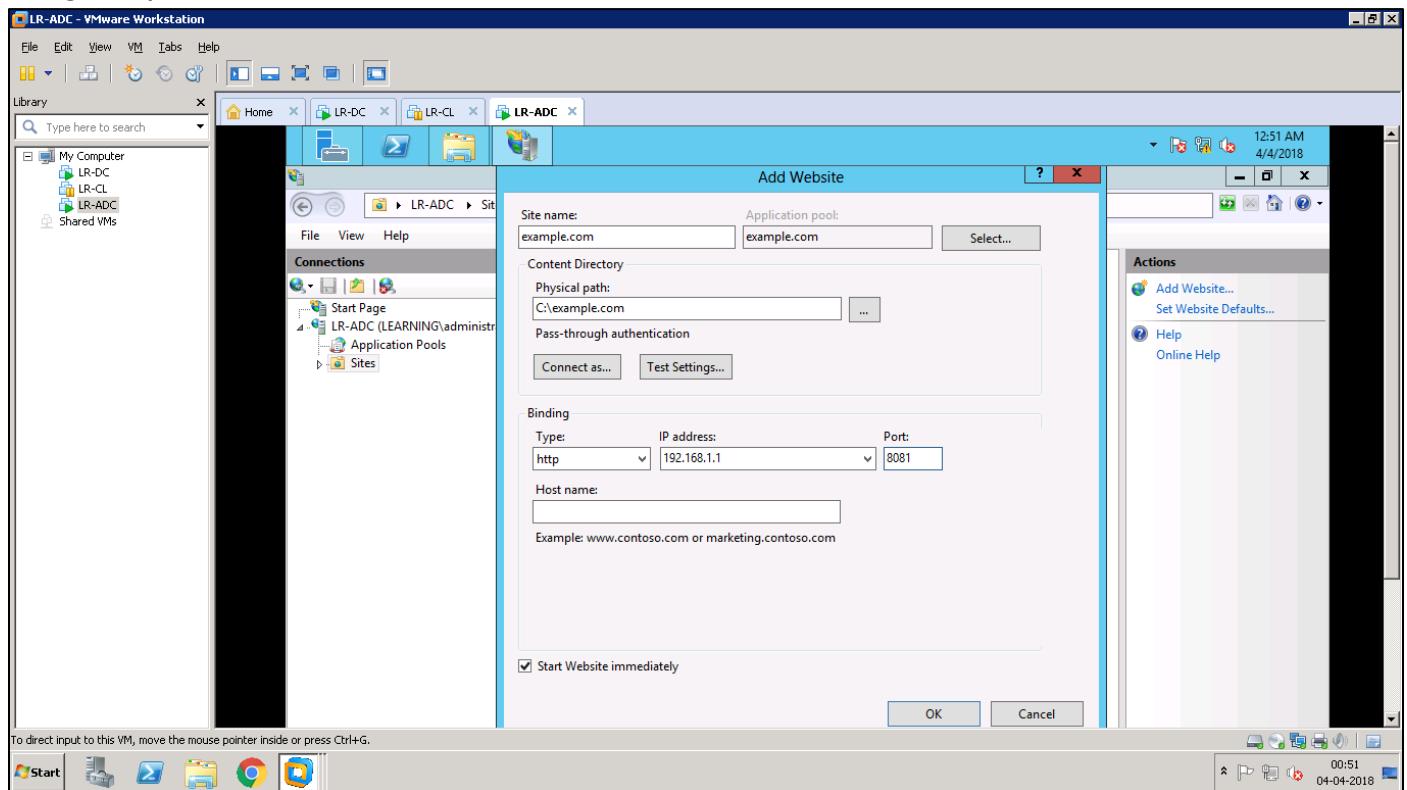
Post installation



****Creating new site – ‘Tools’ – ‘IIS Services’ – ‘Add Website’:

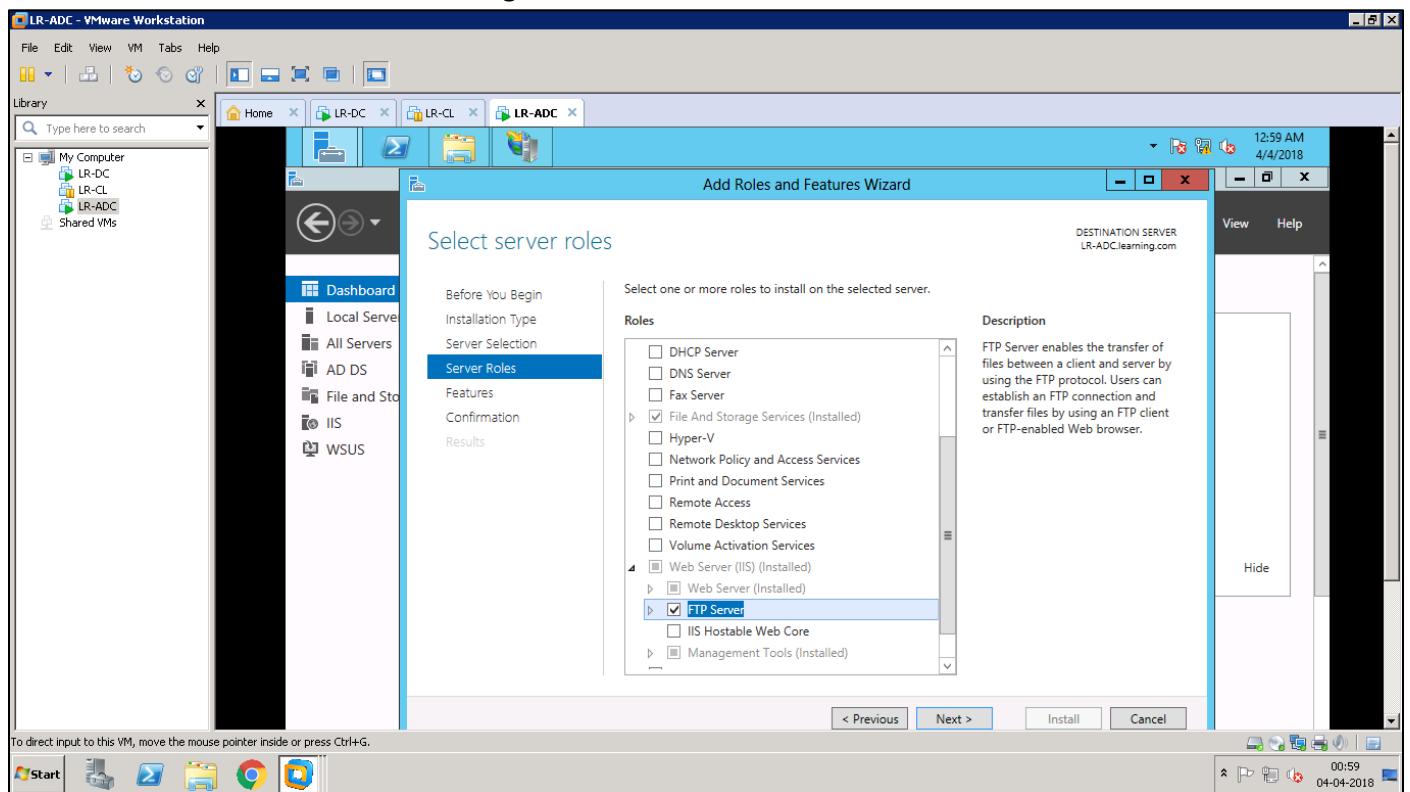


Under C drive make new folder named ‘example.com’ and give the path of the same – IP Address of DC and change the port number to 8081:

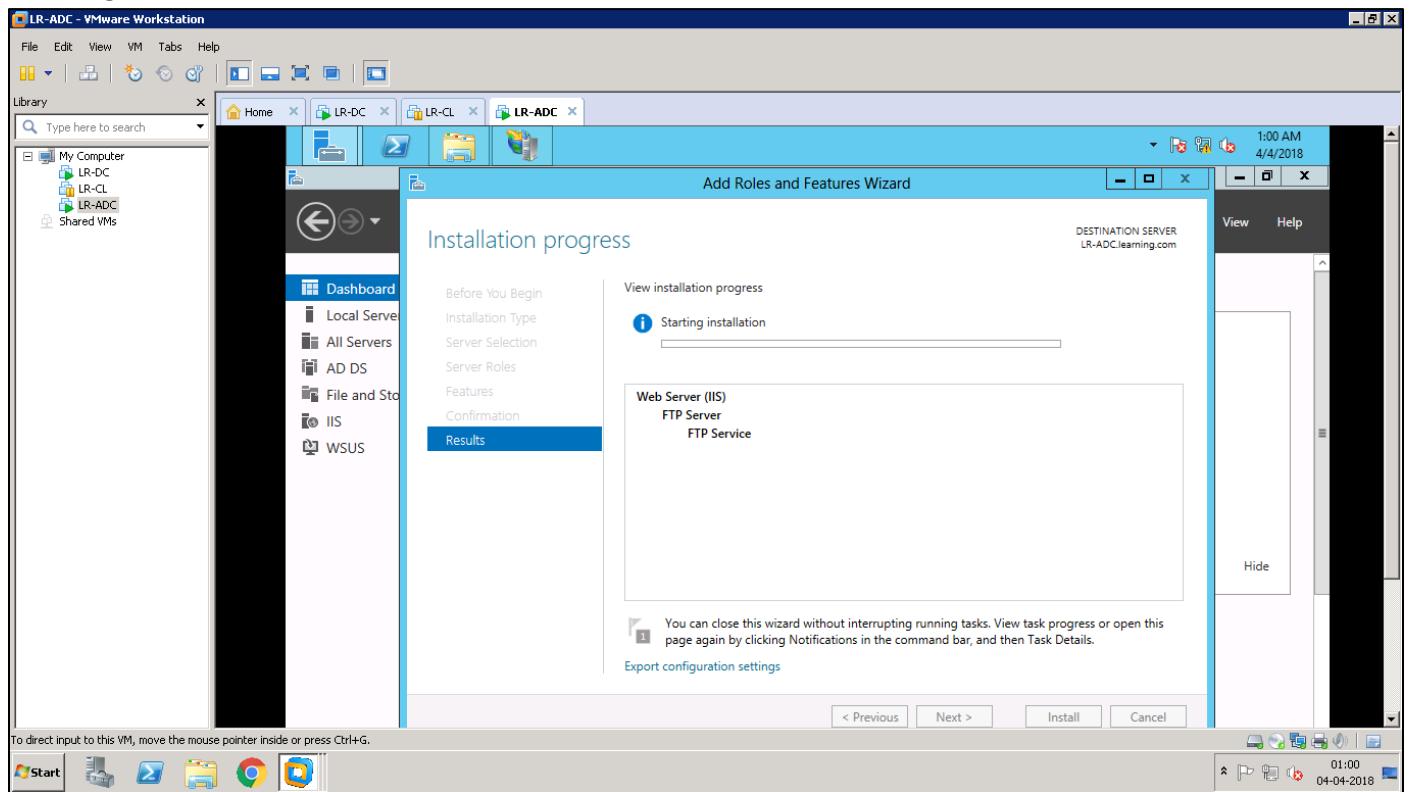


Copy 'iisstart' document from 'C:\inetpub\wwwroot' and paste it to 'example.com' folder

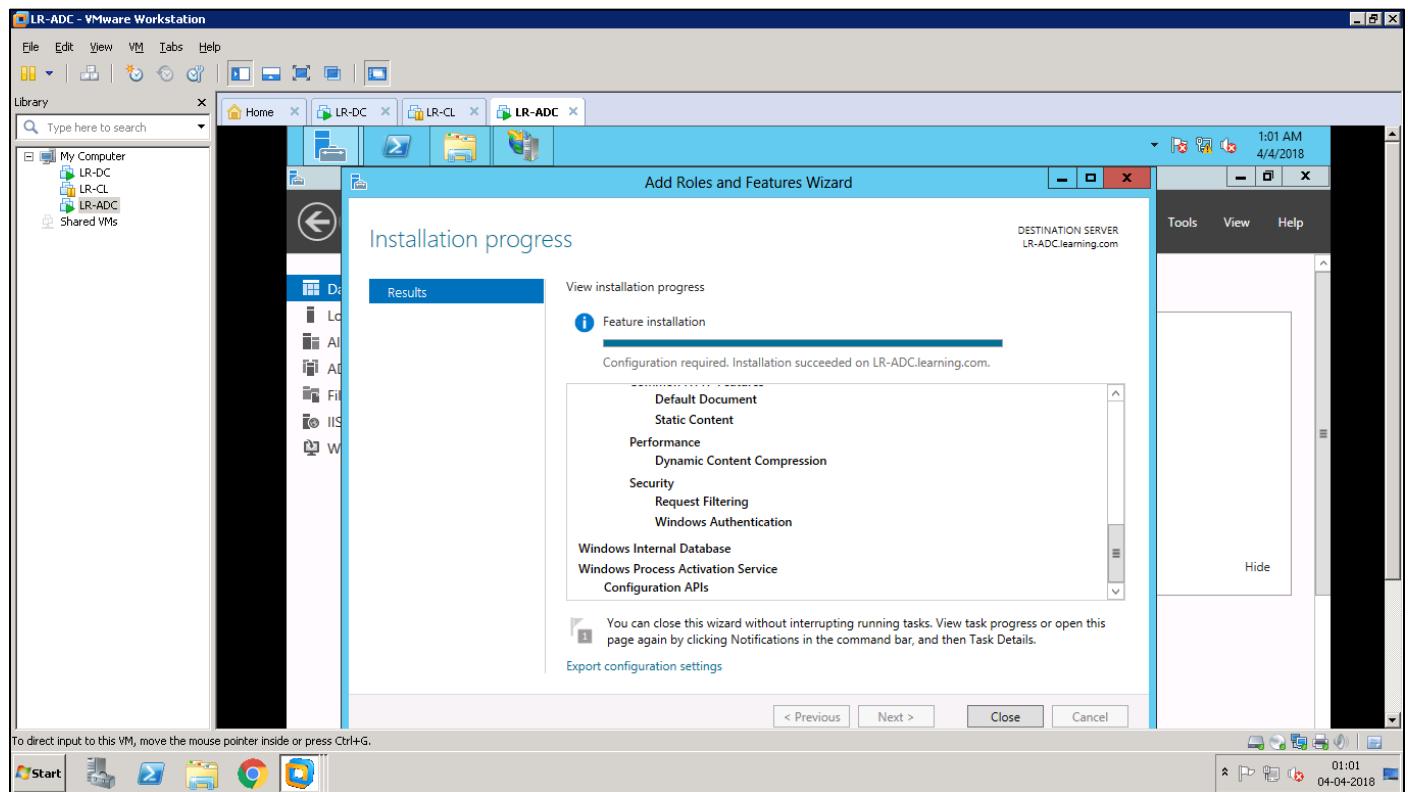
Add 'FTP Server' under 'Web server' using 'Add roles and features':



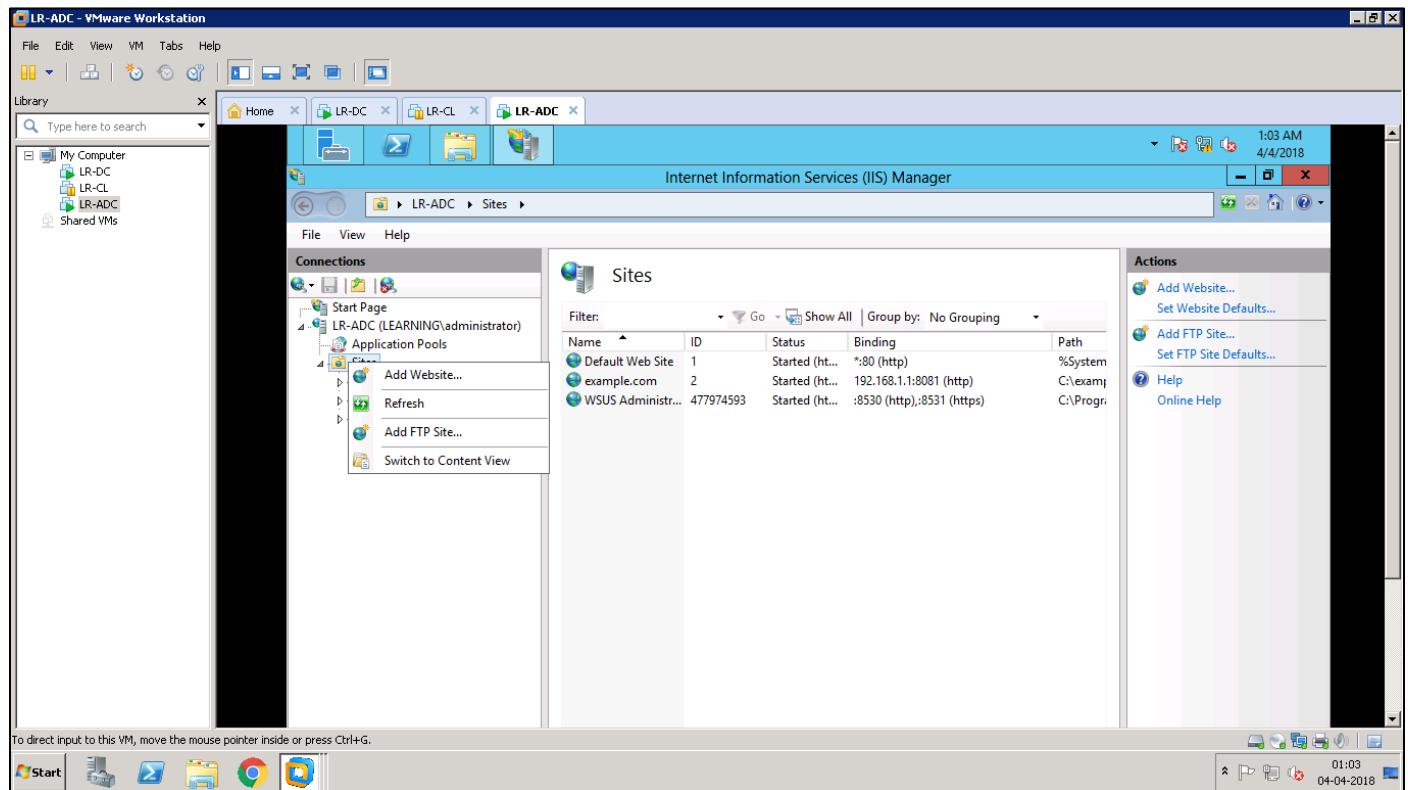
Installing FTP Server:



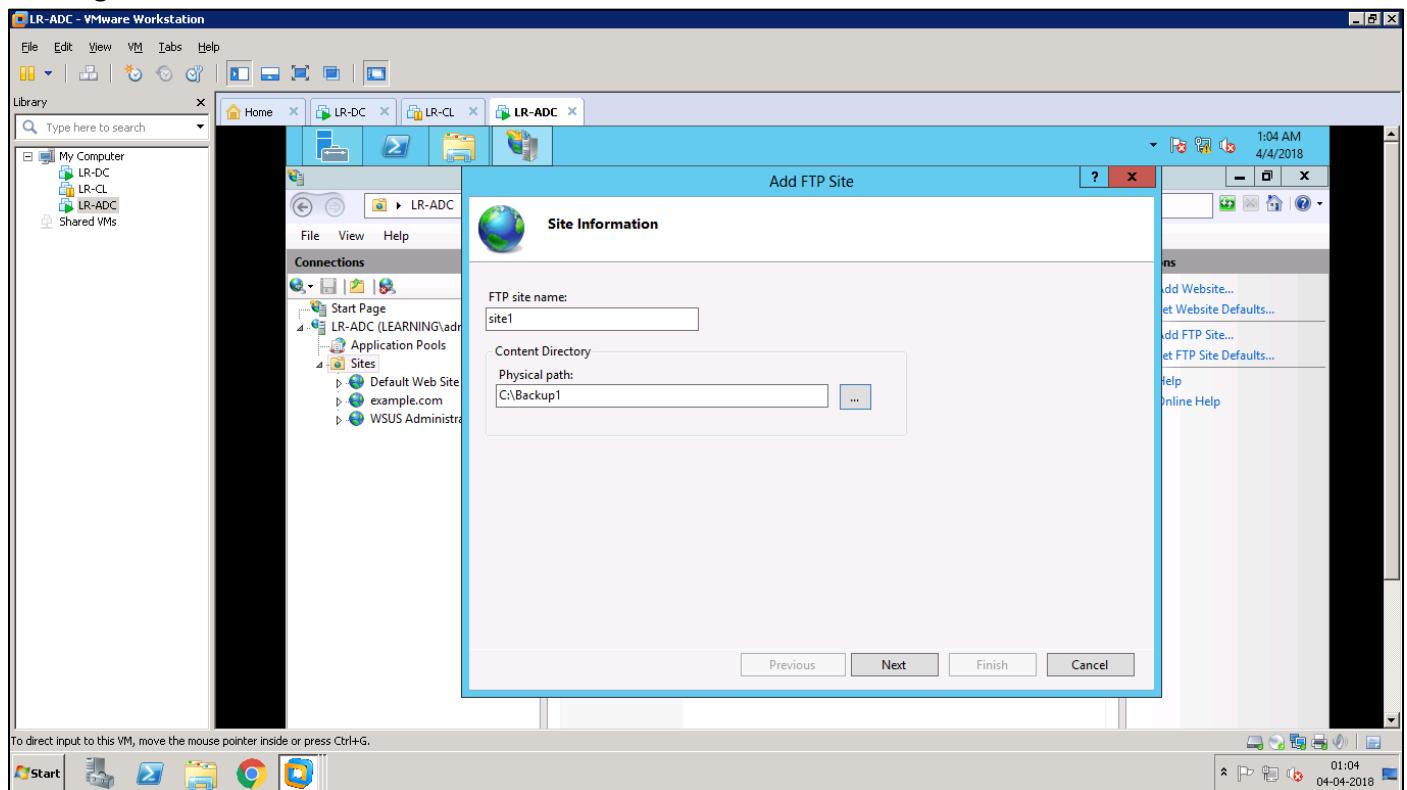
Finished Installation:



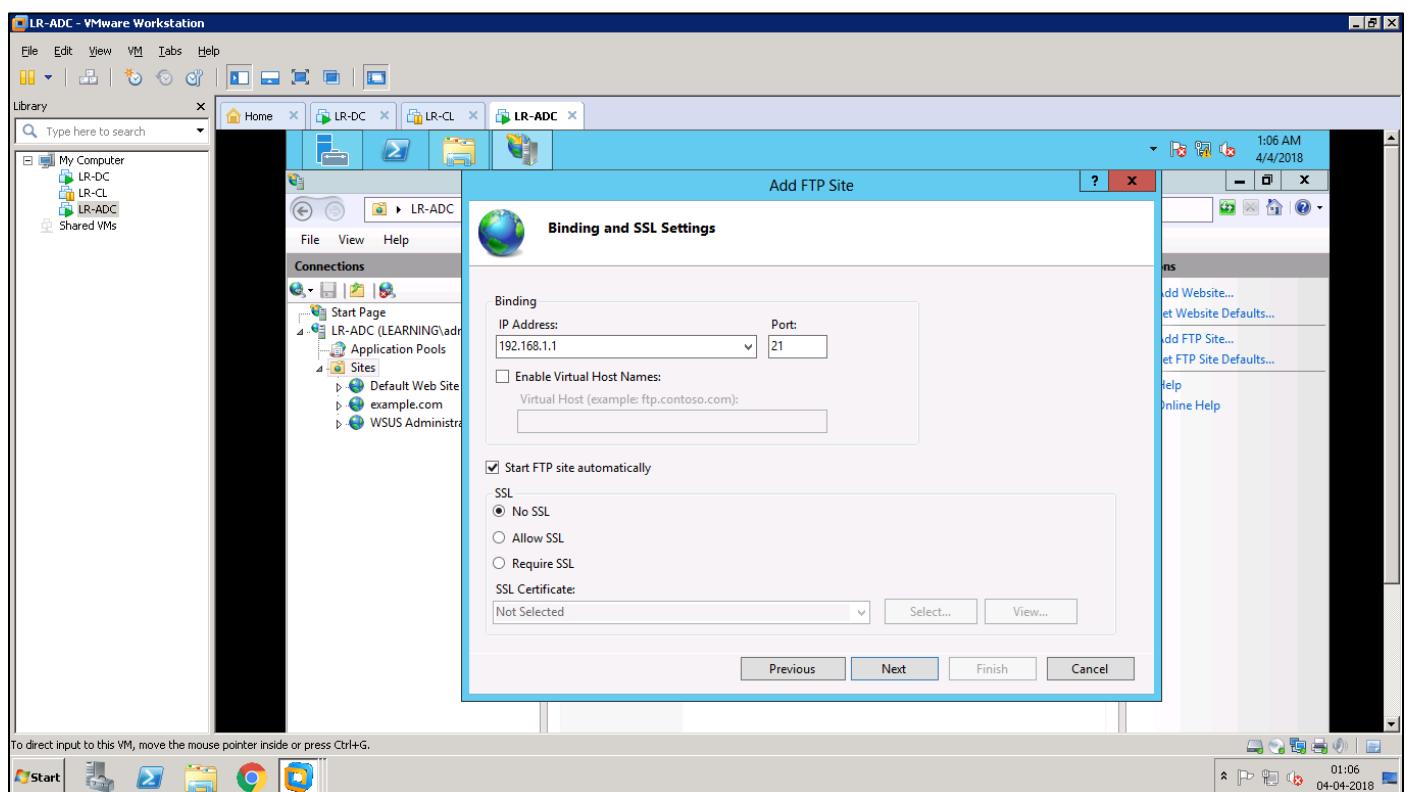
After installing FTP Server we can add FTP site in IIS Manager:

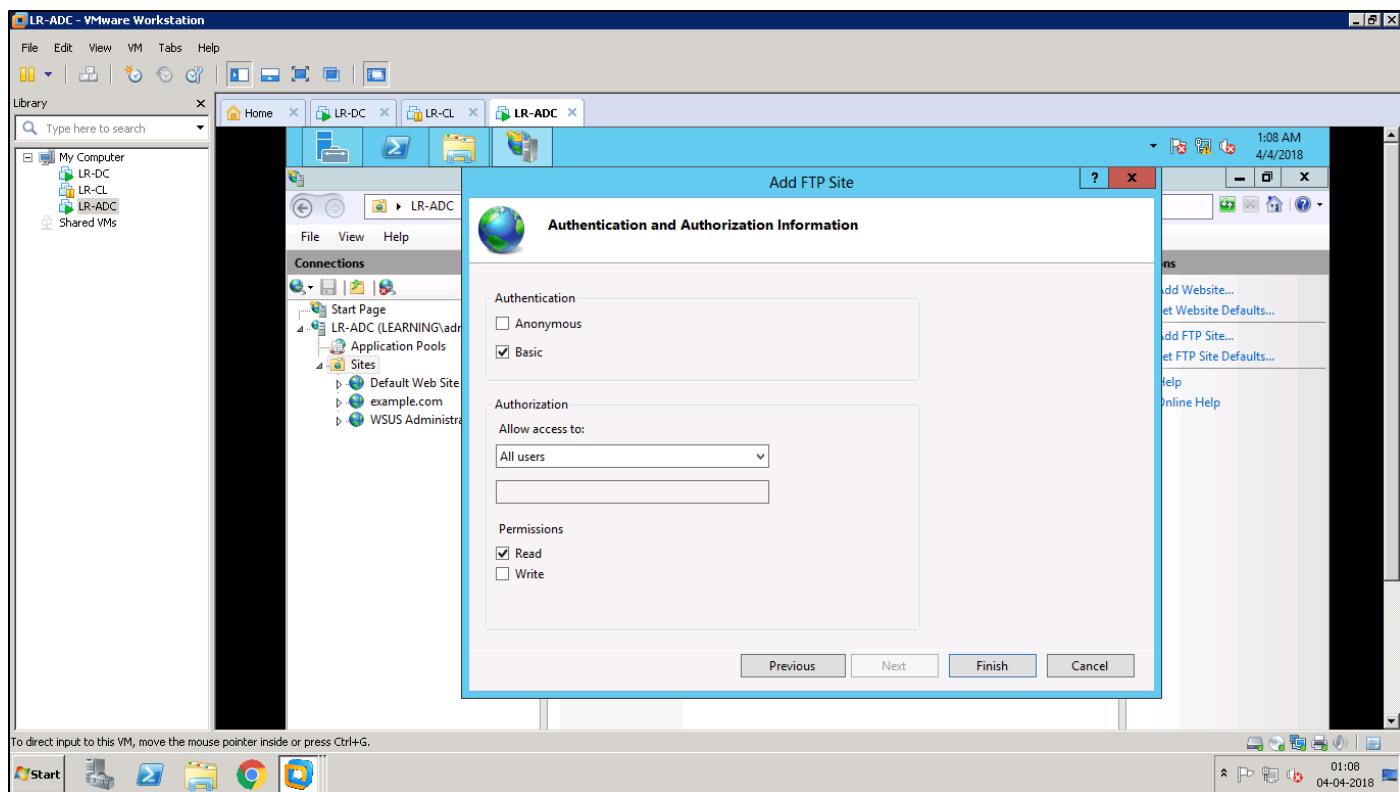


Creating FTP Site:

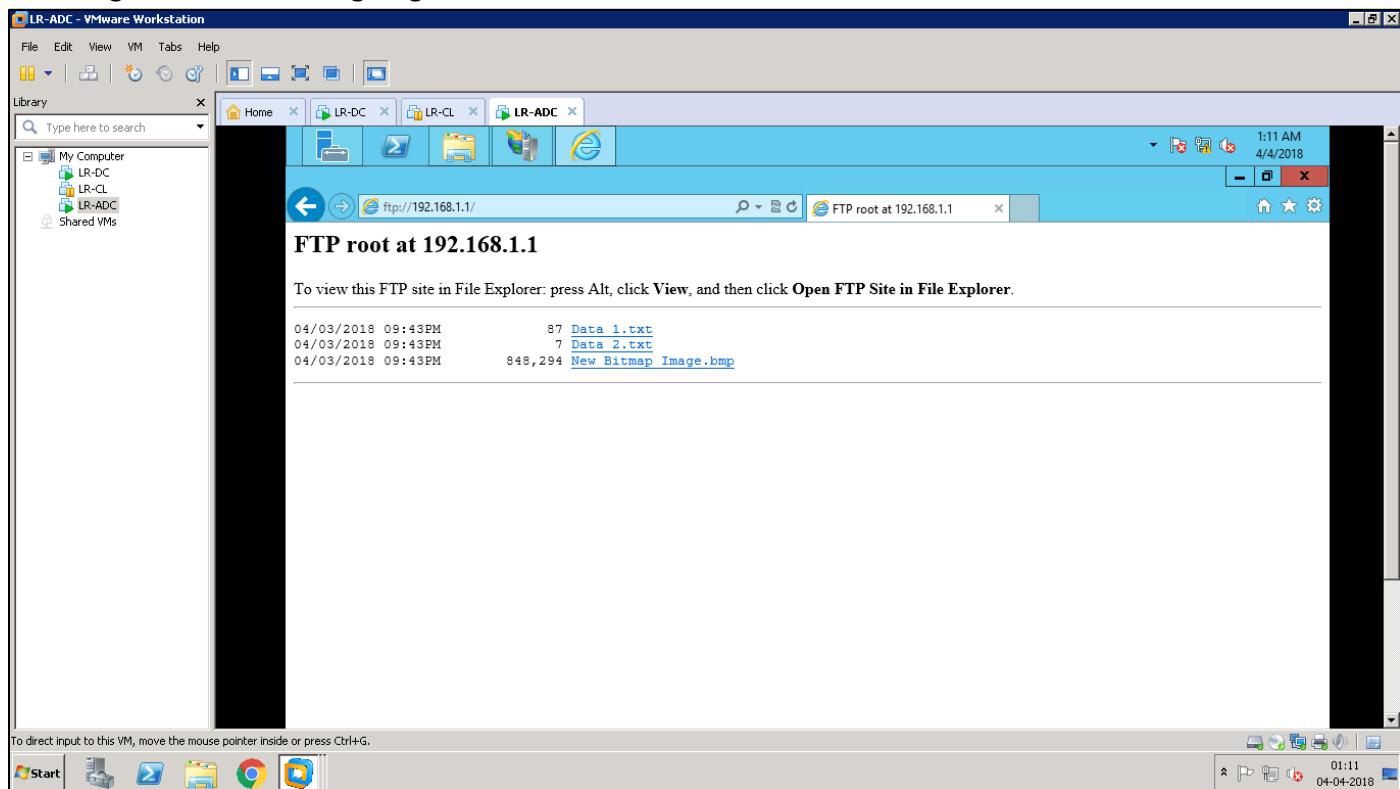


No SSL because we do not have SSL Certificate:

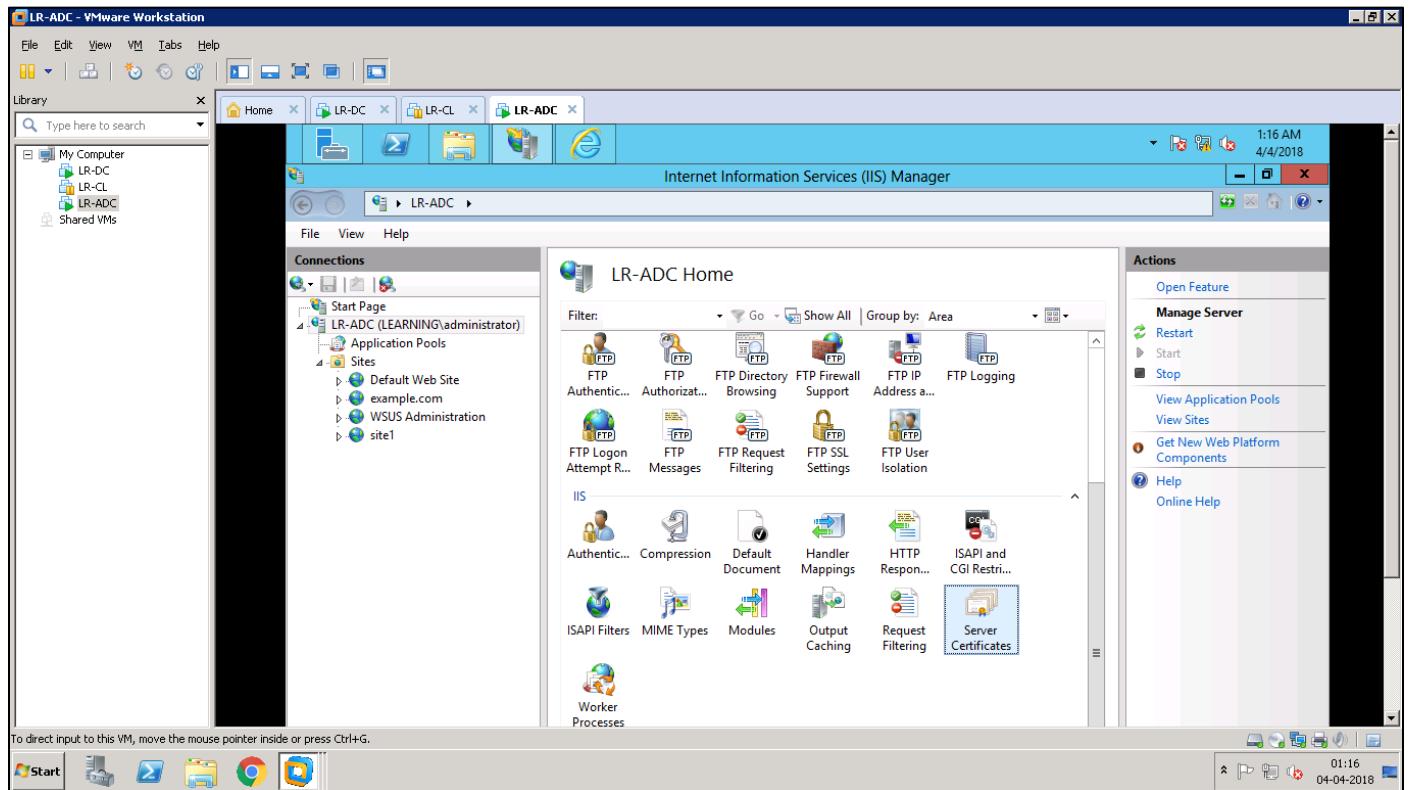




Accessing FTP Site and after giving credentials:



Creating SSL Certificate:



Create self signed certificate (option is available at right hand side of the opened console):

