

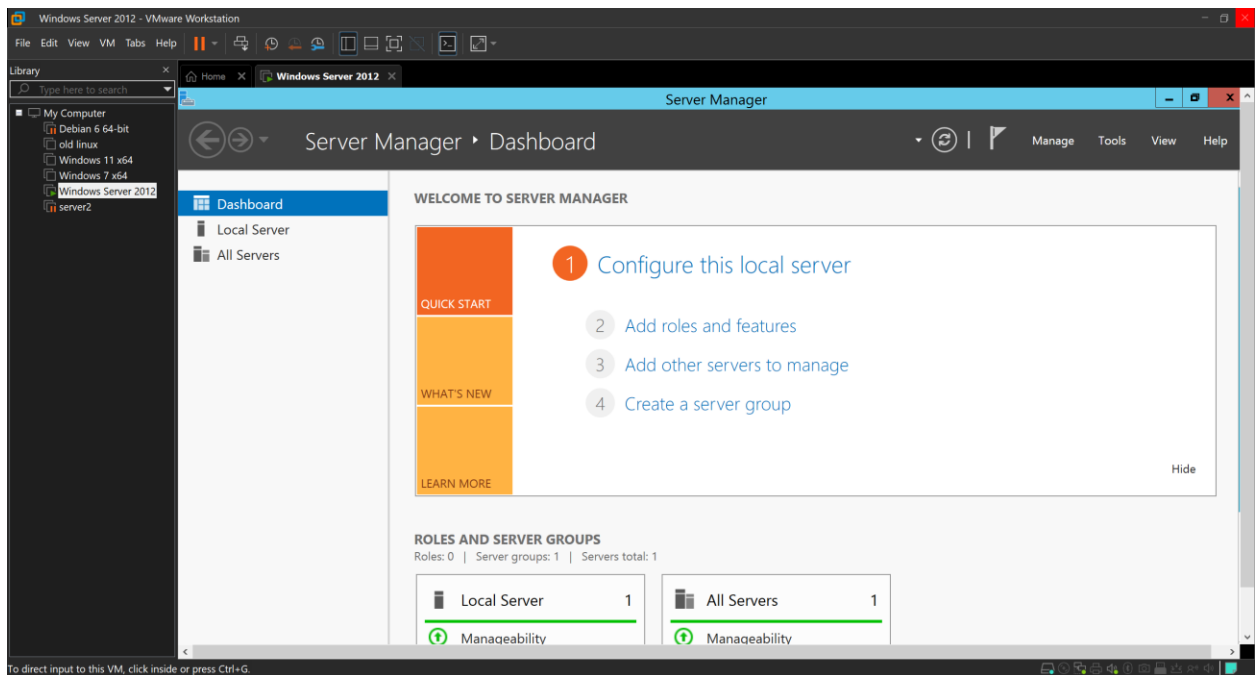
Installing Domain Controller

Lab Objectives:

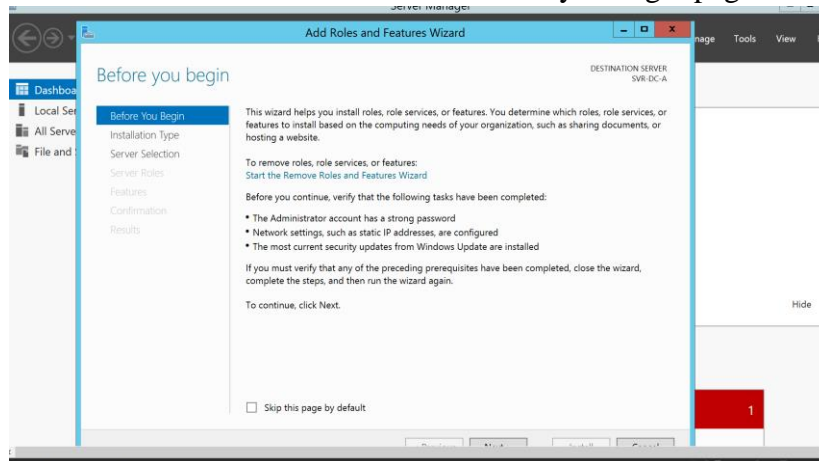
- Installing Active Directory Domain Services Role
- Creating A New Forest
- Creating a Child Domain

For This Lab we will Deploy two Windows 2012 servers in a local Network in VMs. Which will be configure to function as the domain controllers for a domain called *adatum.com*

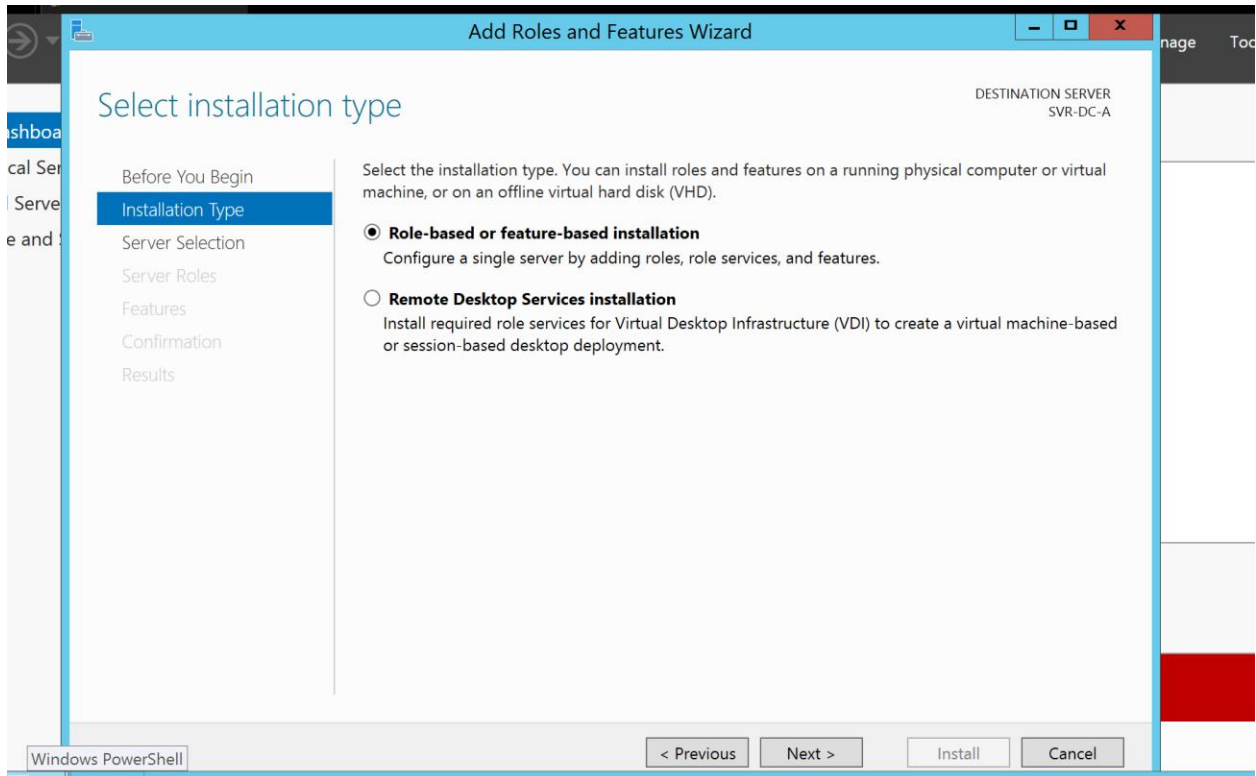
- Login the SVR-DC-A computer using password Pass@word01



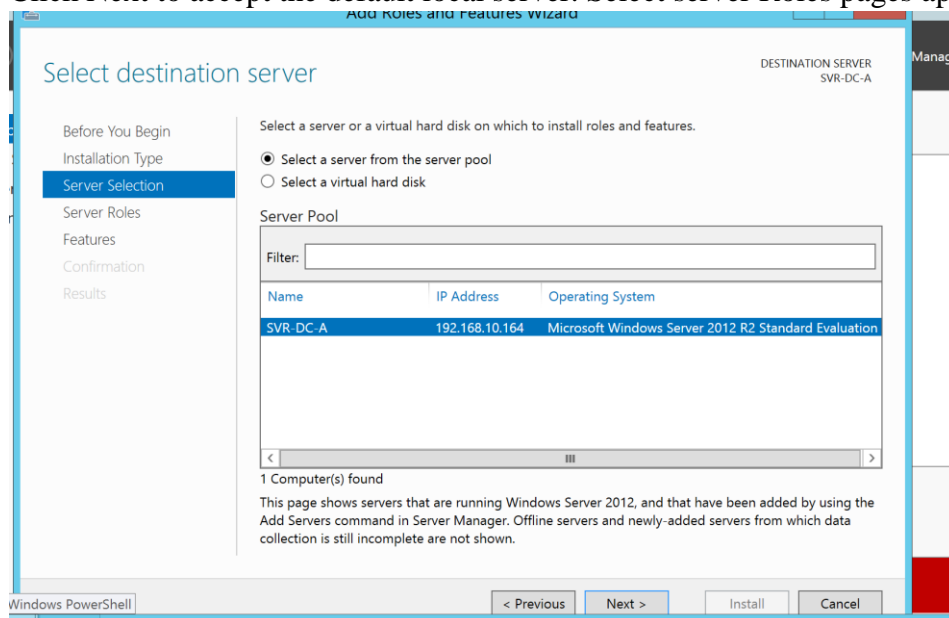
- Select Add Roles and Features and Before you begin page.



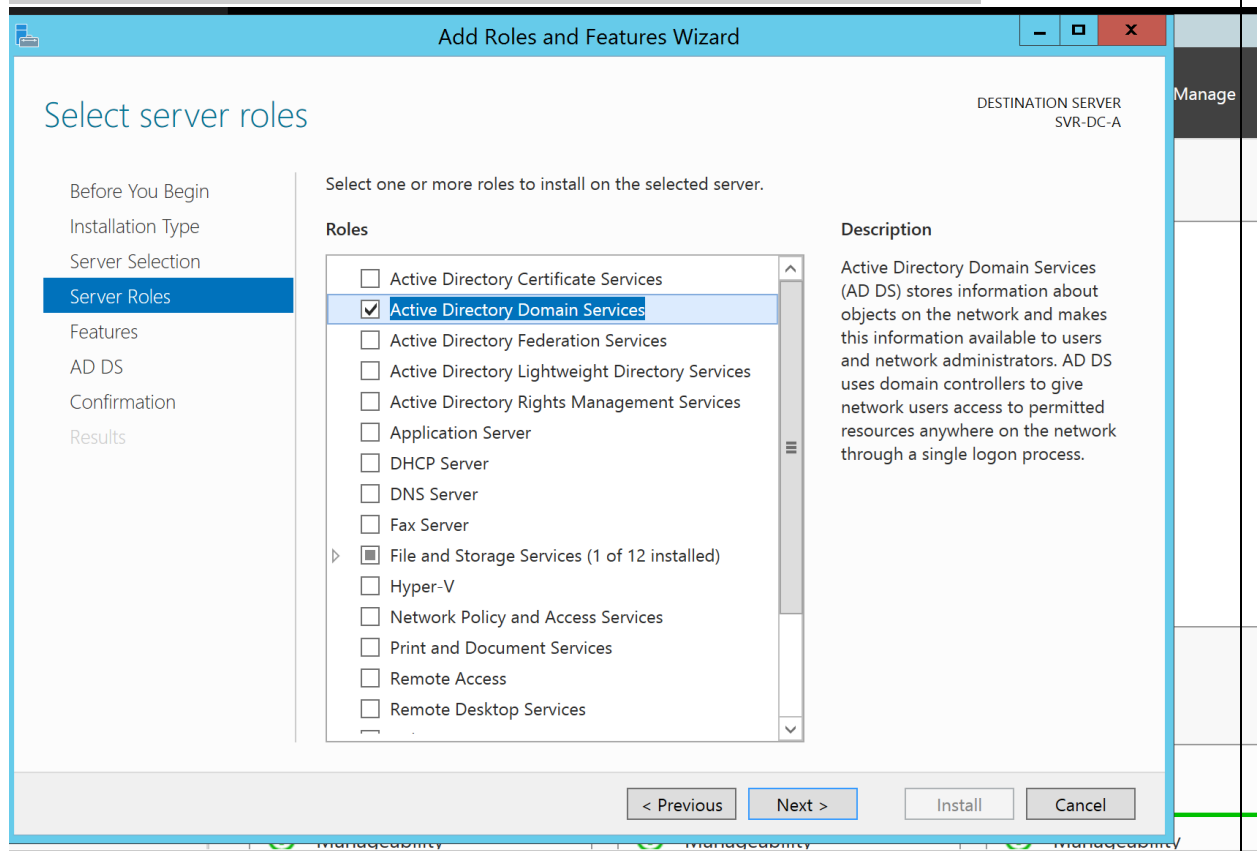
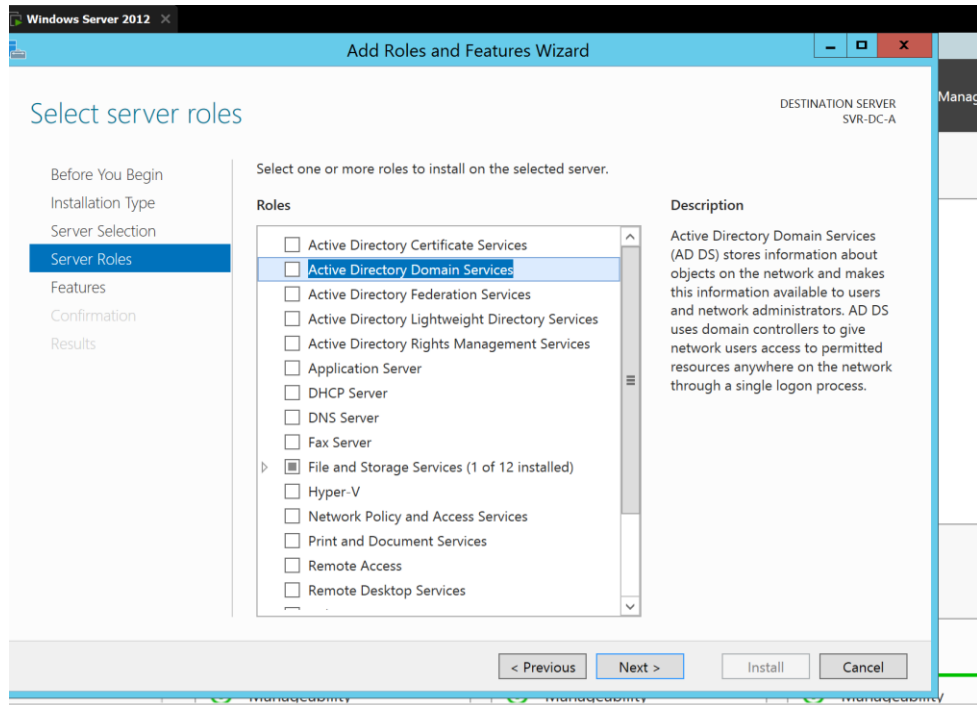
- Leave the Role-Based or feature-based installation and click next.



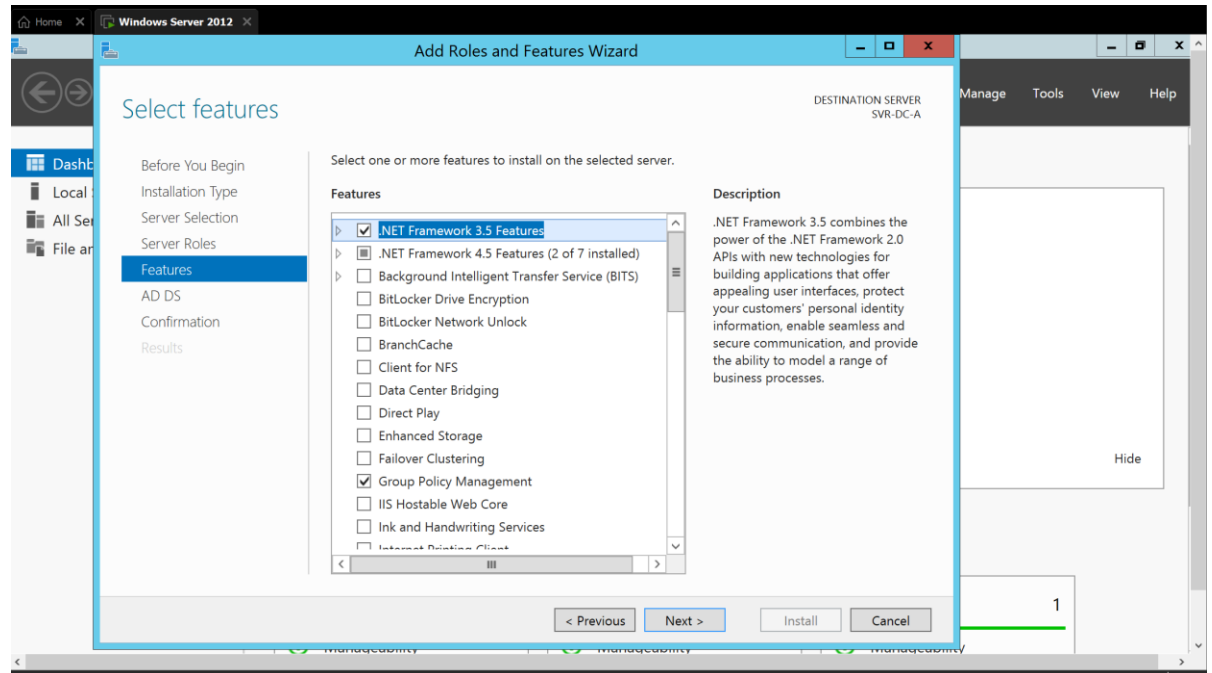
- Click Next to accept the default local server. Select server Roles pages appears.



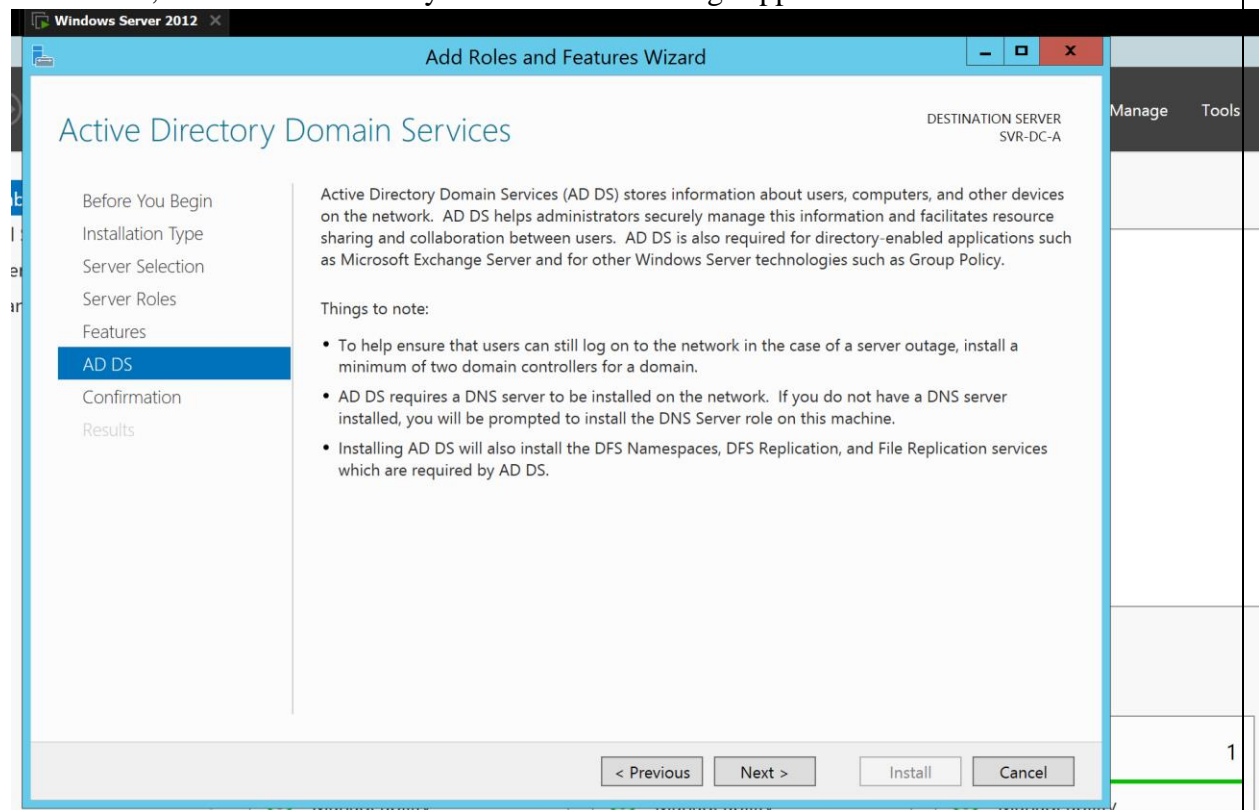
- Select the Active Directory Serve check box. The Add features that are requires for Active Directory Domain Services? Page appears



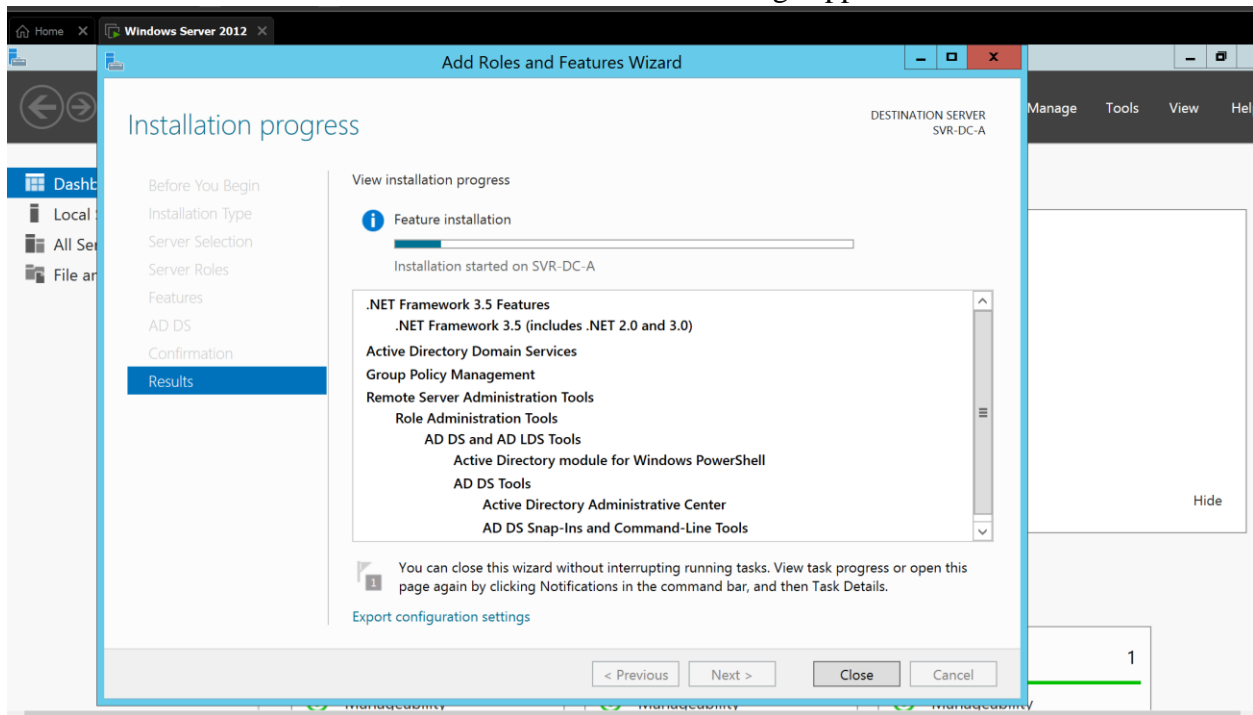
- Click Add Features Page.



- Click Next, The Active Directory Domain Services Page appears.



- Click Next the Confirm Installation Selection Page appears.



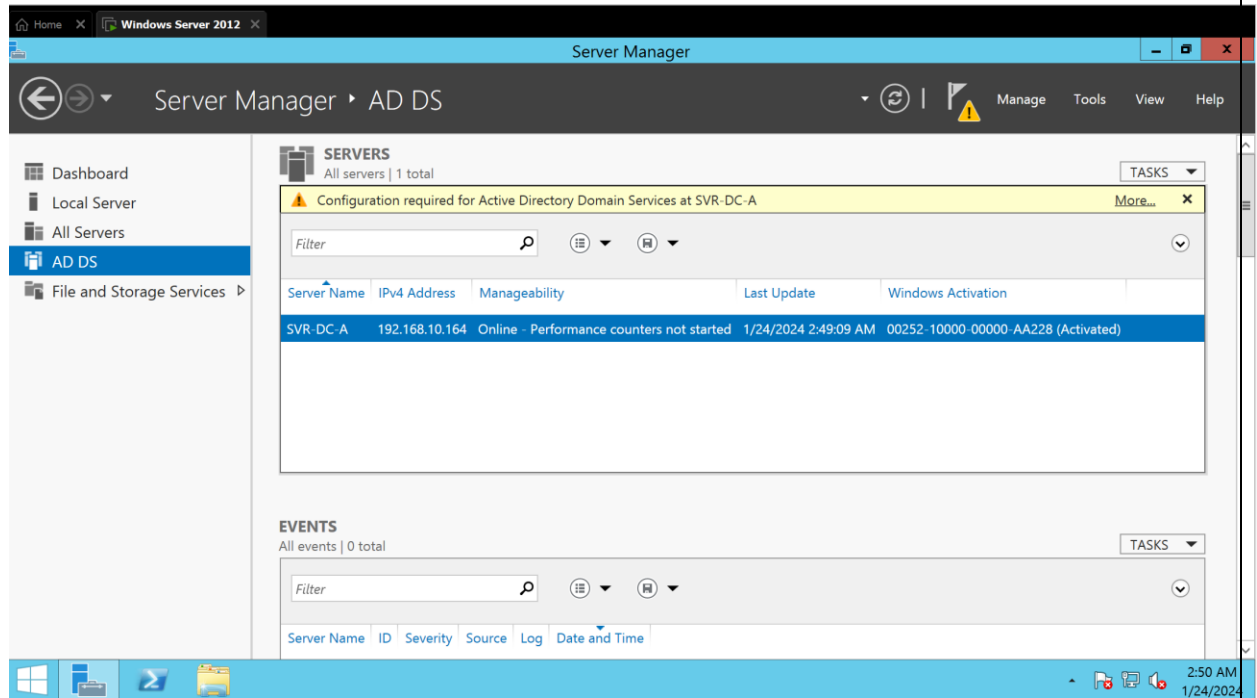
- Click Close. The Add Roles and Features Windows closes. In Server Manager click Tools, Active Directory Users and Computers. The Active Directory User and Computers console fails to open properly.
- End Lab.

Task 3.2

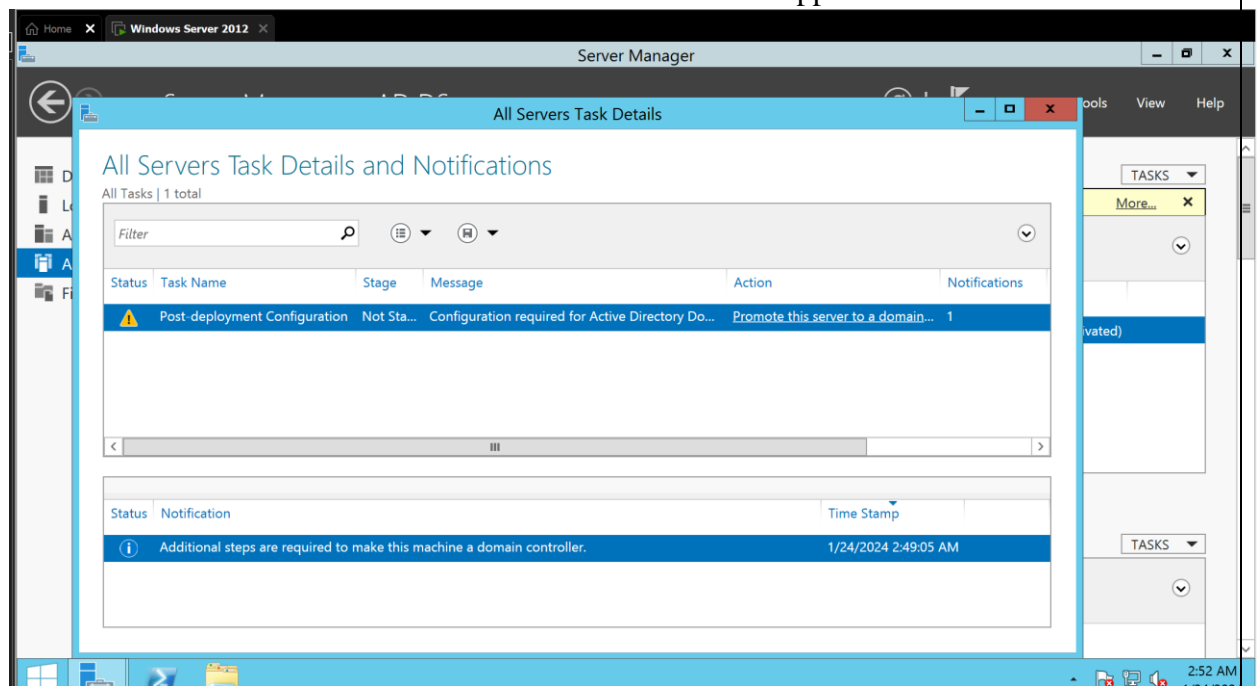
Creating a new Forest.

Once you have Installed the Active Directory Domain Services role, you must promote the server to a domain controller. In this lab you will create a new forest and configure the server to function as the domain controller

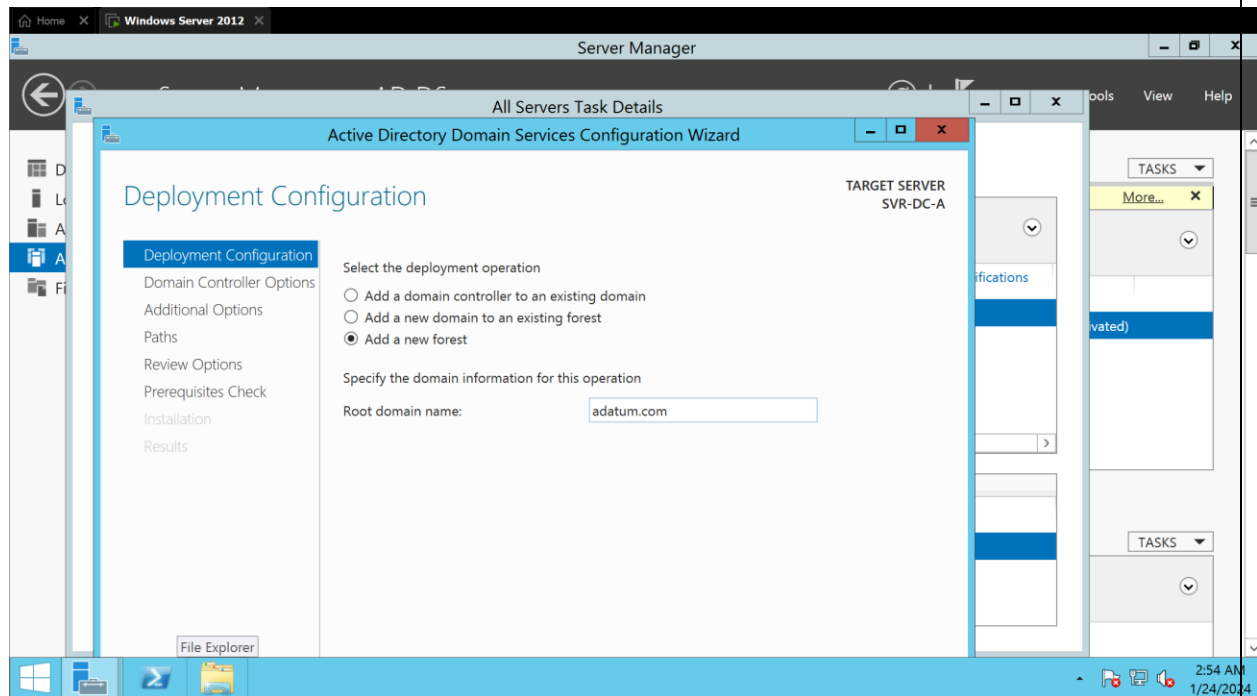
- On SVR-DC-A, in a Server Manager, click the AD DS Link in left panel.



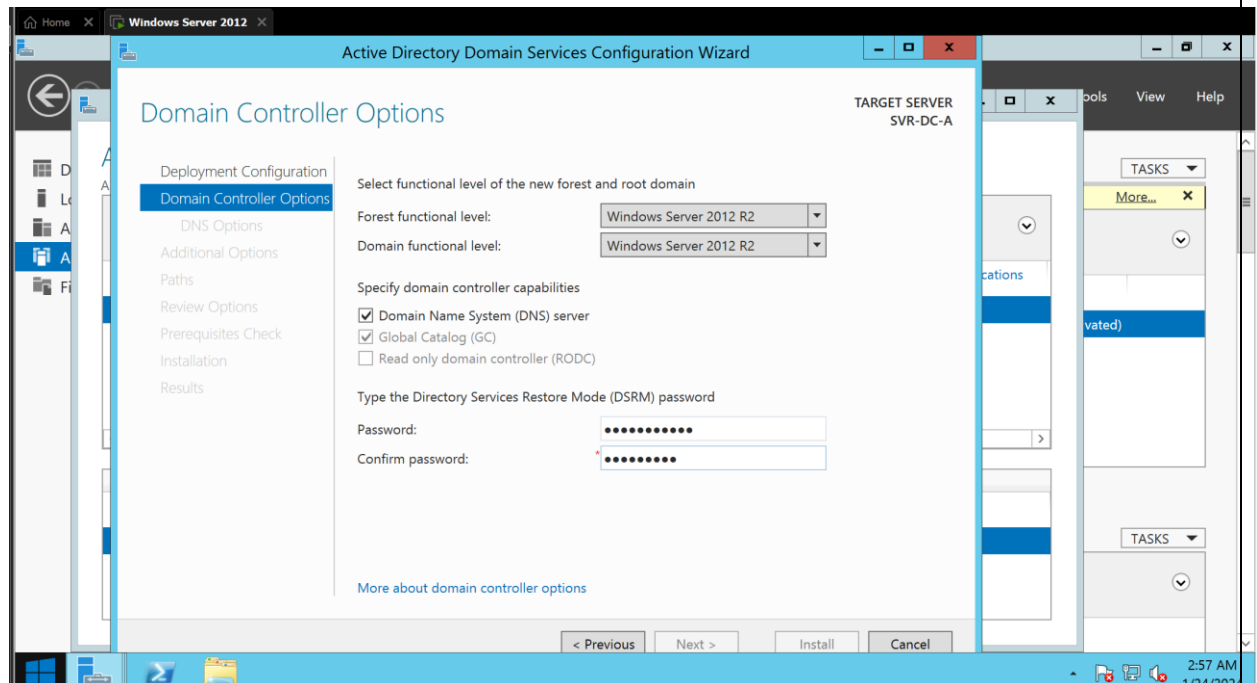
- Click on More Link. The All Servers Tasks Details window appears.



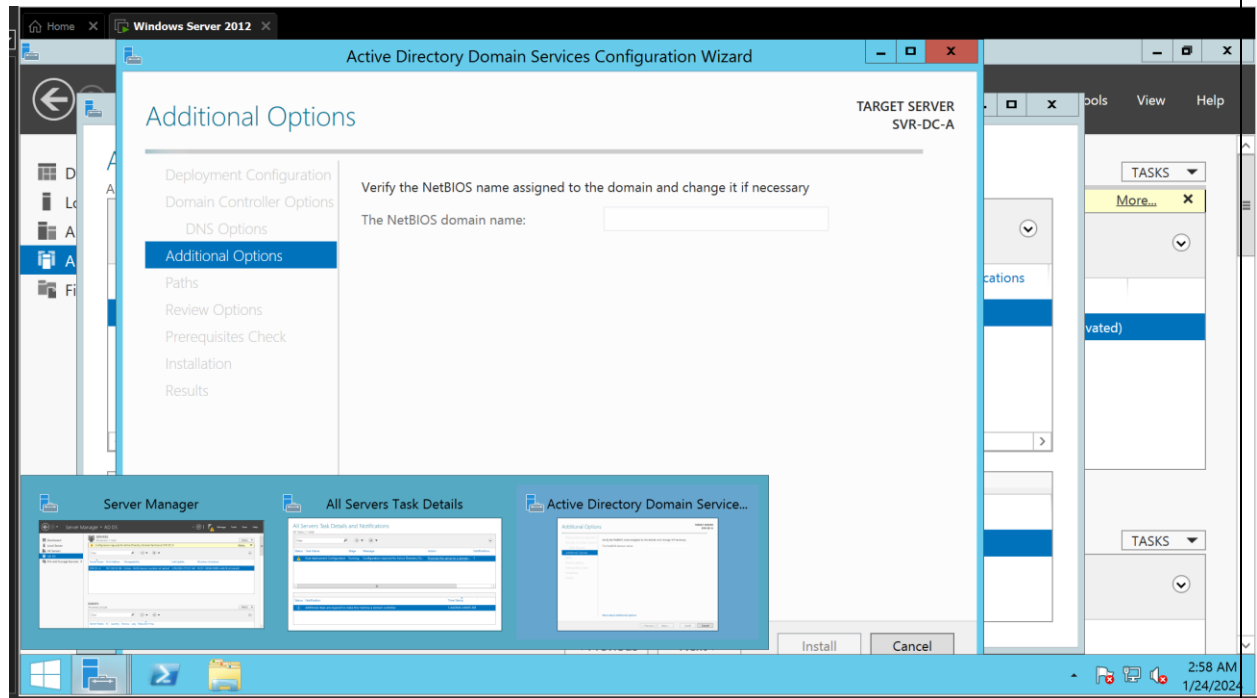
- Click Promote this server to Domain Controller. The Active Directory Domain Services Configuration wizard appears.



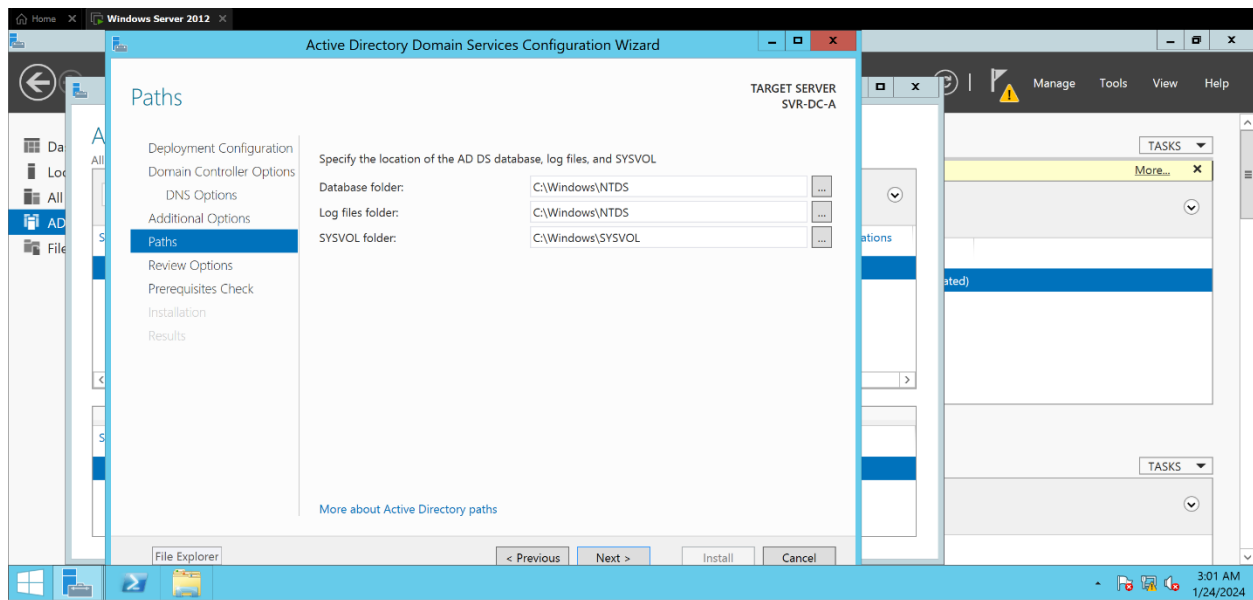
- In Domain Controller option, Password and Confirm Password text box, type Pass@word01 and click next.



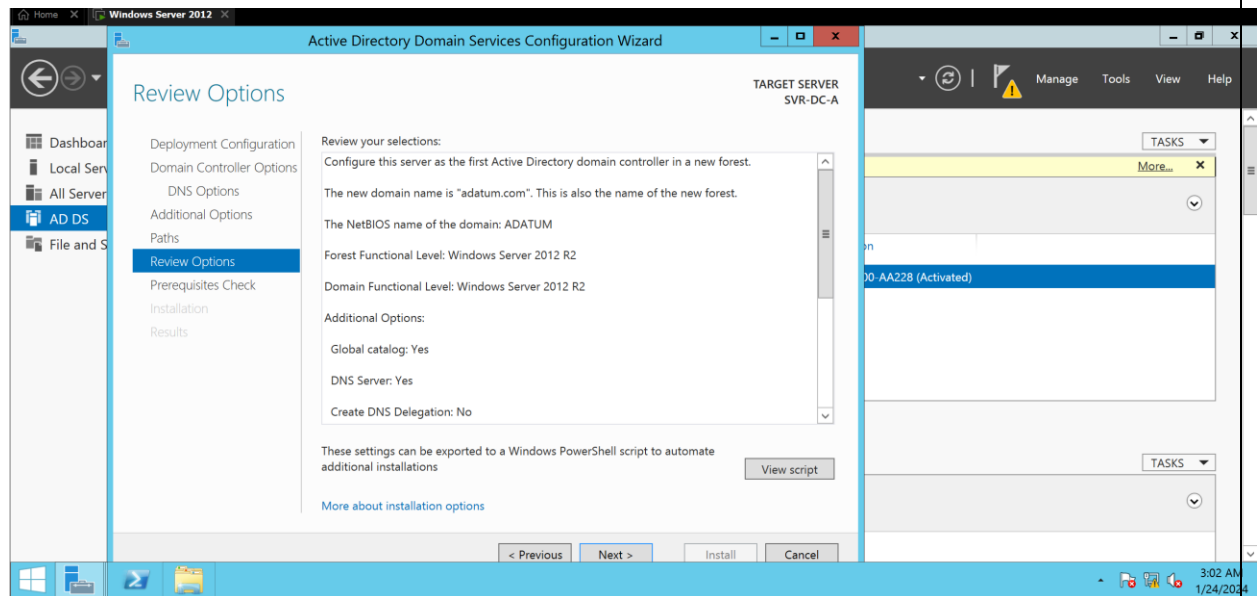
- Click Next, The Additional Options page appears and, after that brief delay the NetBIOS domain name appears in the text box,



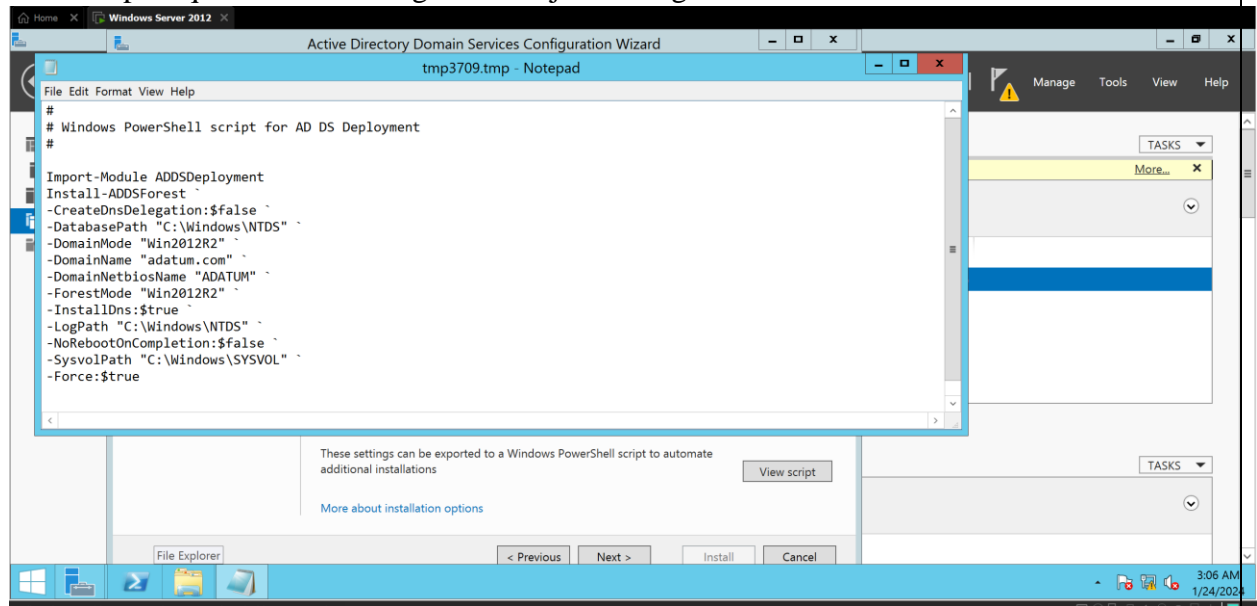
- Click Next, The Path page appears.



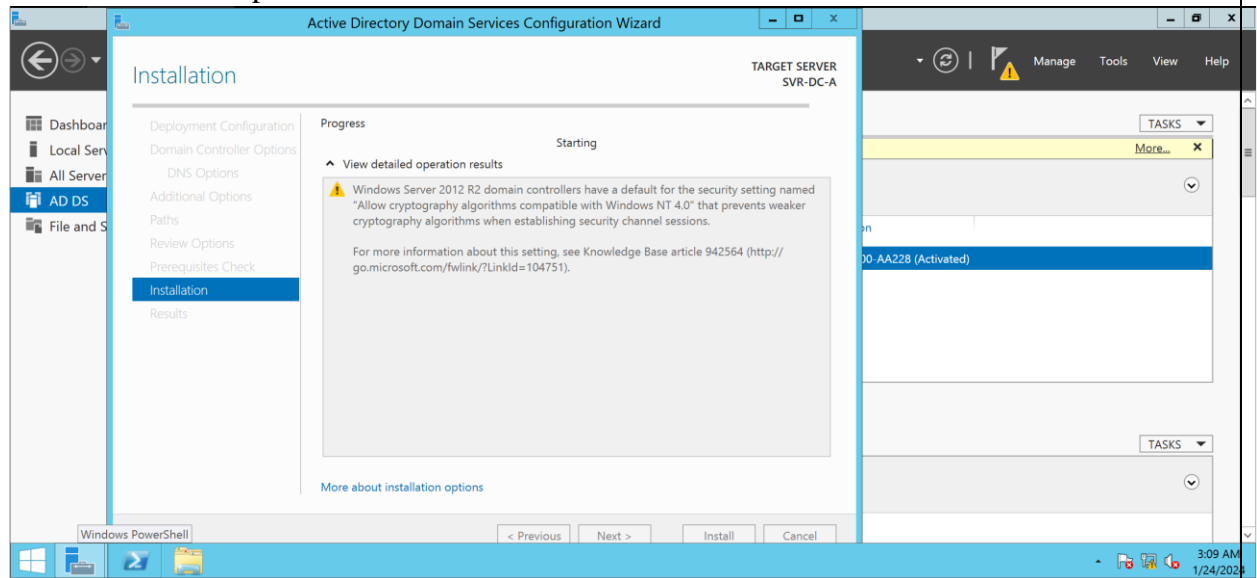
- Click Next, the Review page appears.



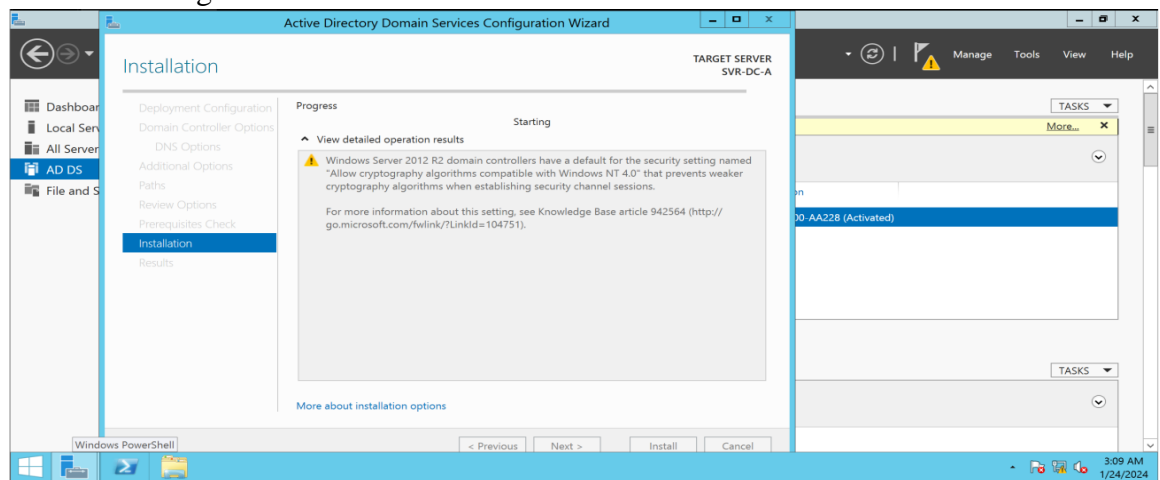
- Click the View script button. A Notepad Window appears contain windows power-shell scripts equivalent to settings that are just configured.



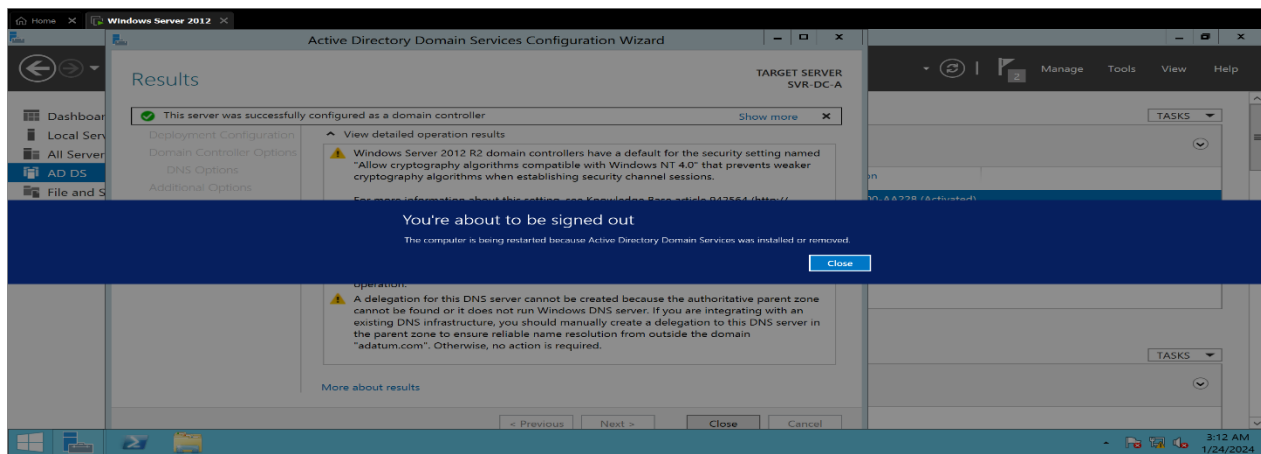
- Click Install to complete installation, Installation page appears as the window creates the new forest and promote the server to domain controller.



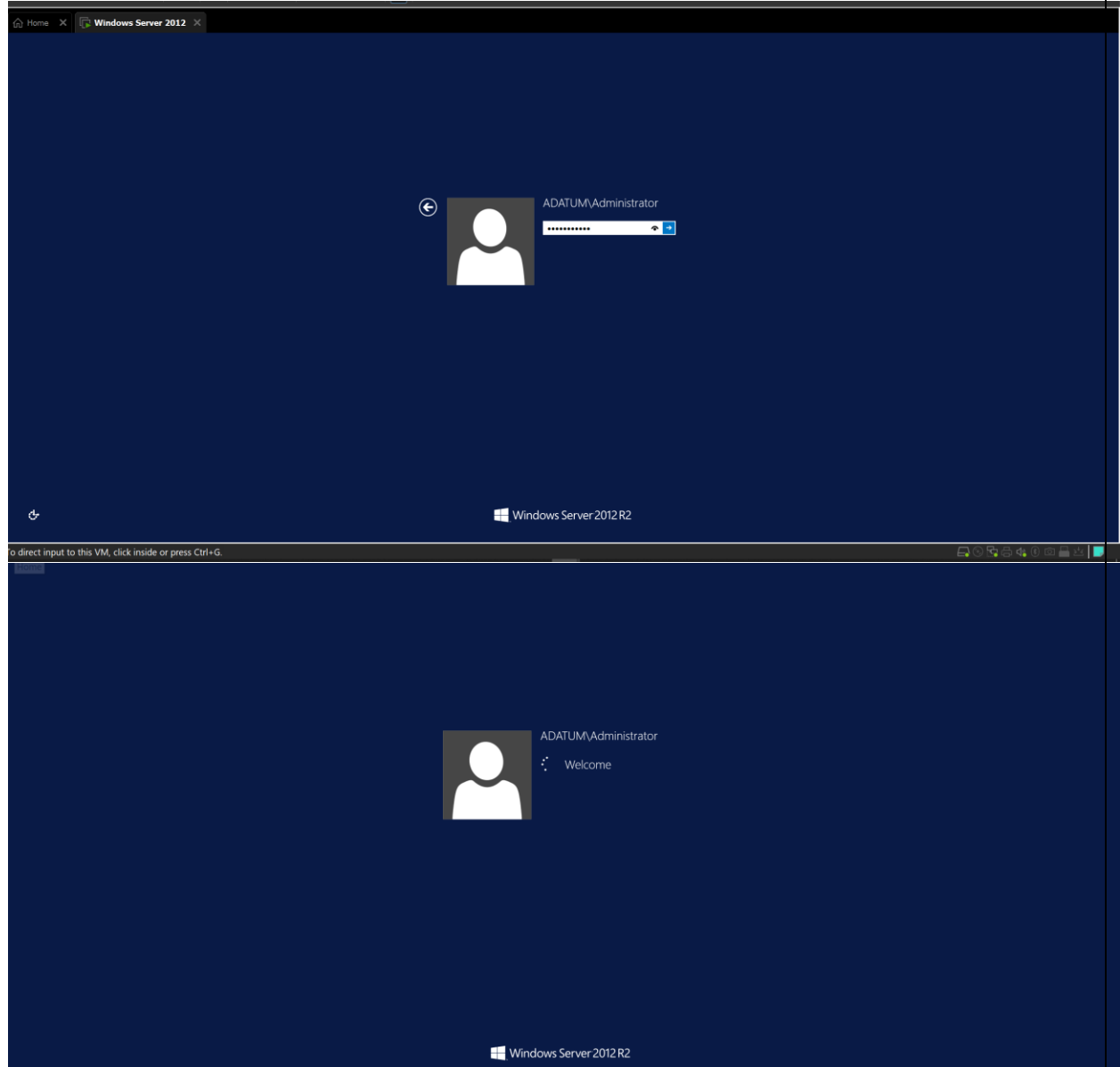
- Installation Begins.



- After Installation System rebooted.



- Login using Adatum\Administrator and the Password Pass@word01.

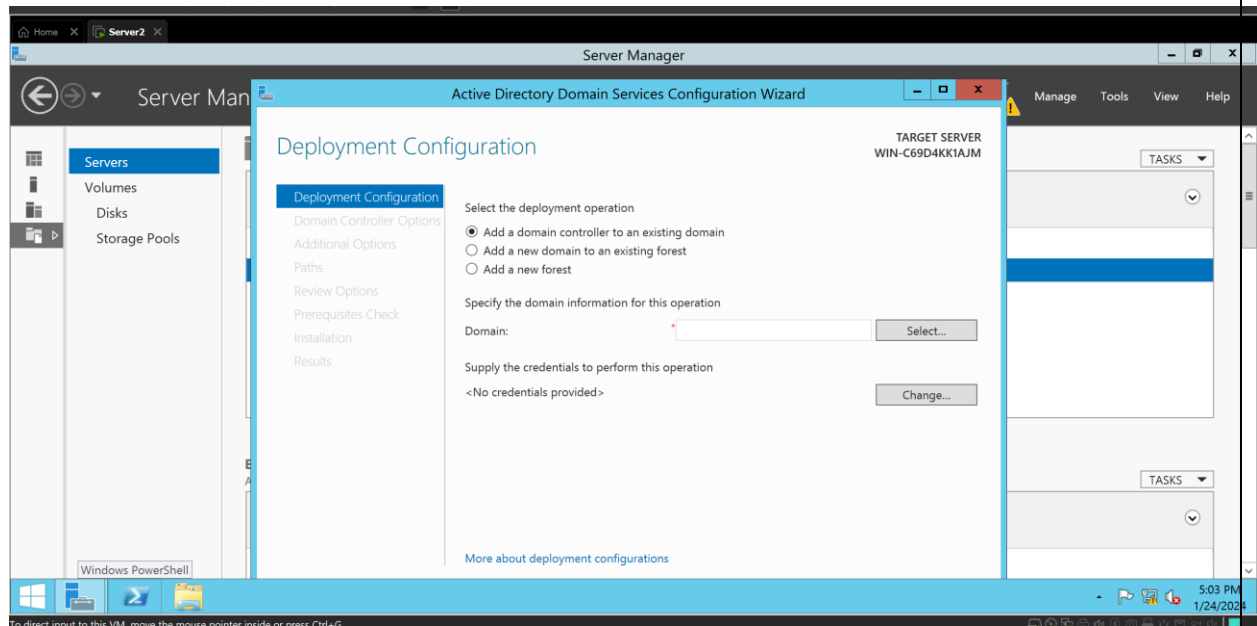


- End of Lab.

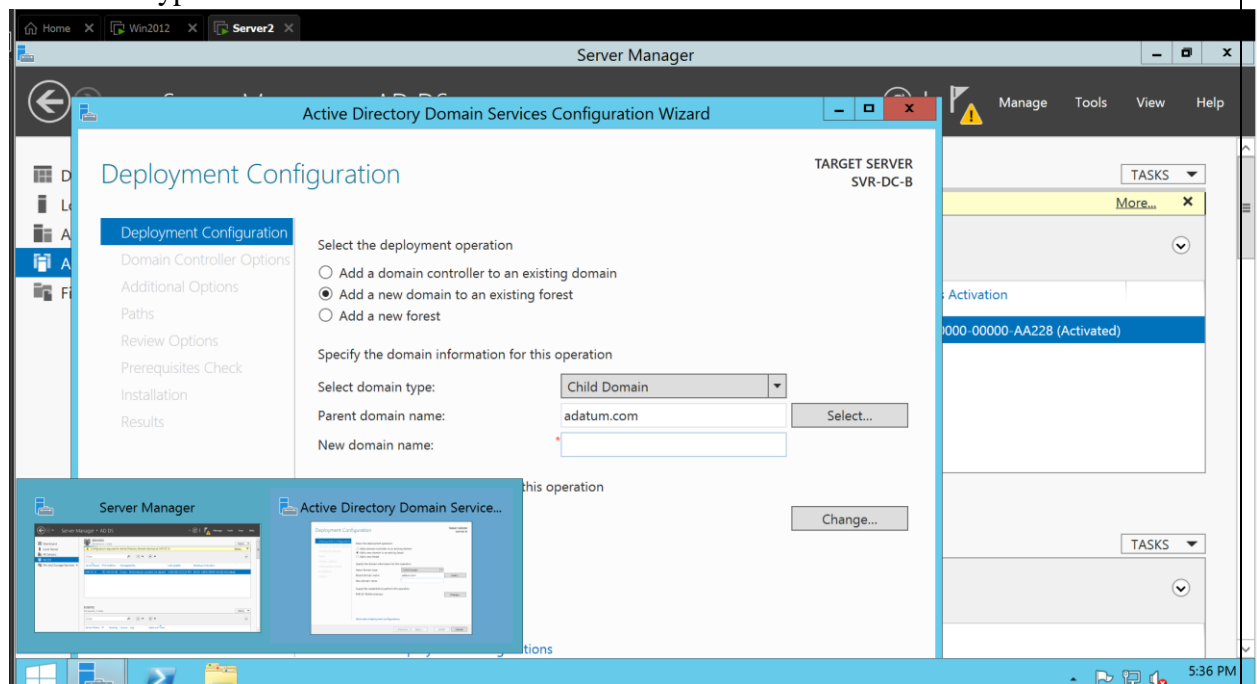
Creating a Child Domain.

In this lab you create a subdomain beneath the Adatum.com domain you created previously.

- Login to SVR-DC-B Computer using local Administrator account and the password Pass@word01.



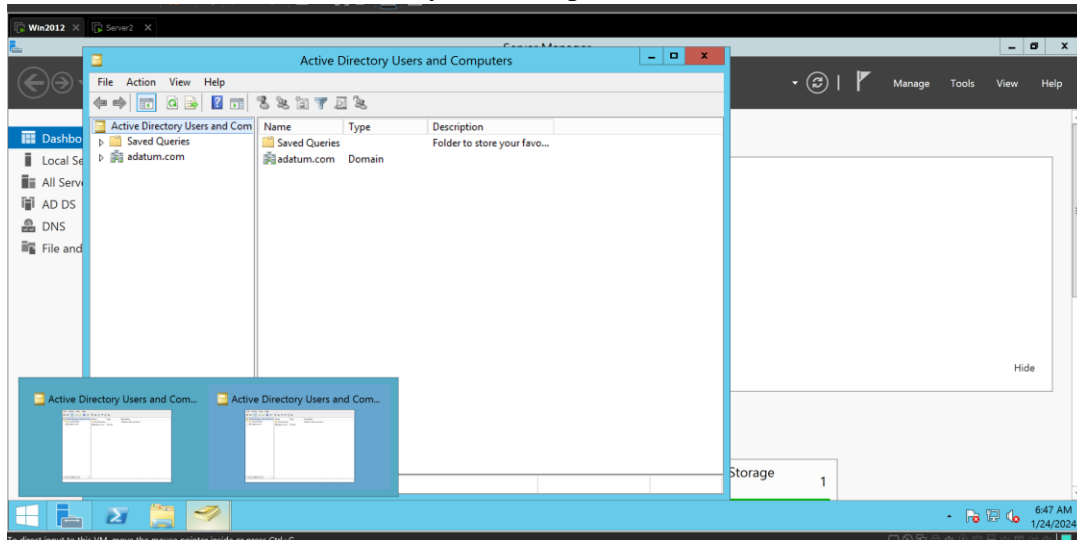
- On the installation progress page that appears at the end of the active directory domain services role installation procedure, click the promote this server to a domain controller hyperlink.



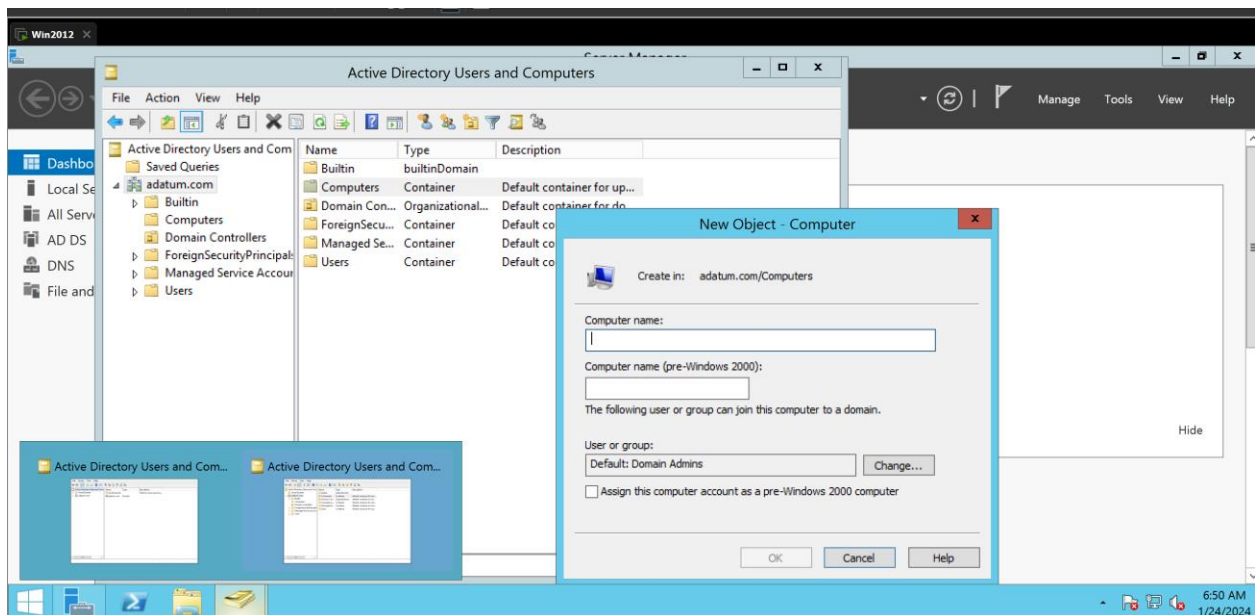
- In the New domain name text box, type NY and click Next. The Domain Controller Options page appears.
- End Lab.

Creating and Managing

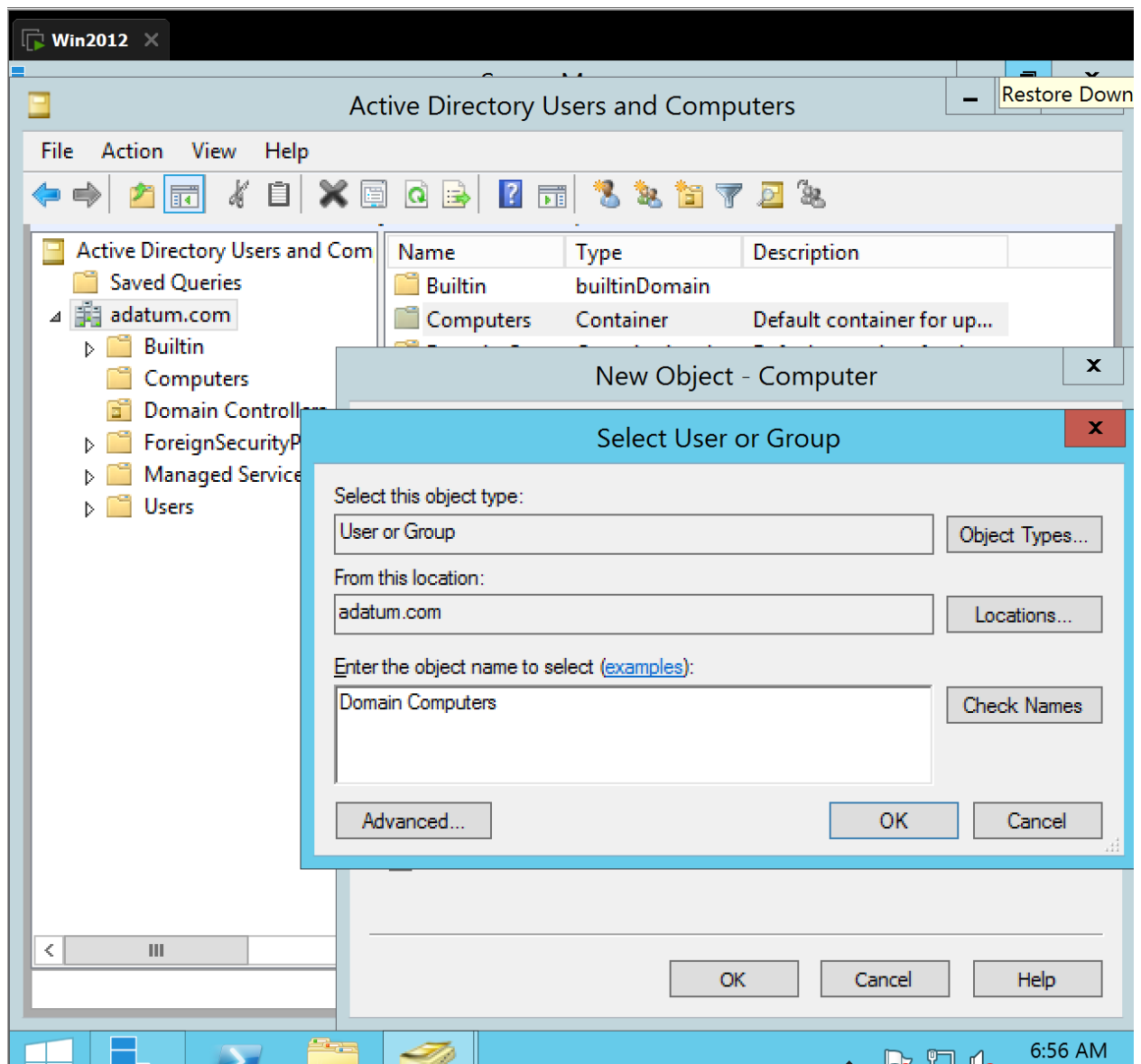
- Select Tools and Active Directory and Computers, Console is shown.



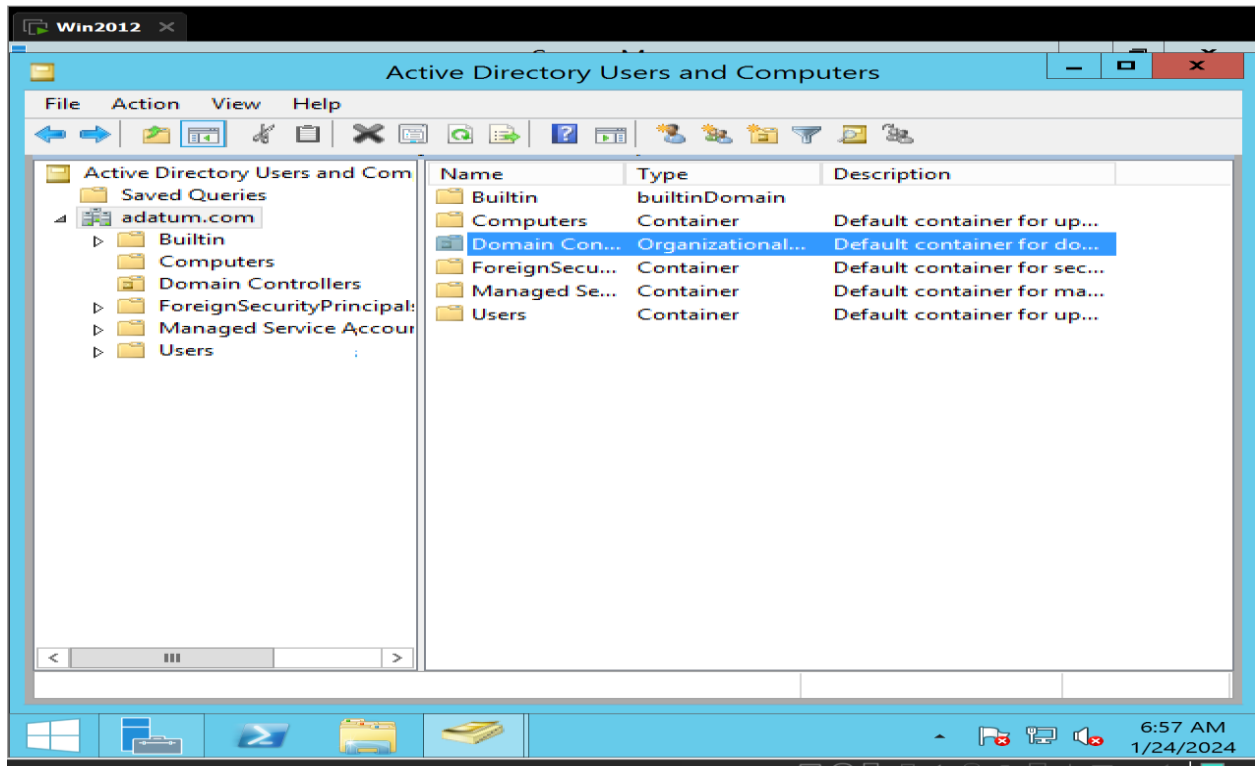
- Expand Adatum.com and right click on computers and click new object.



- In the computer name type Wkstan1. And rest of the configuration.



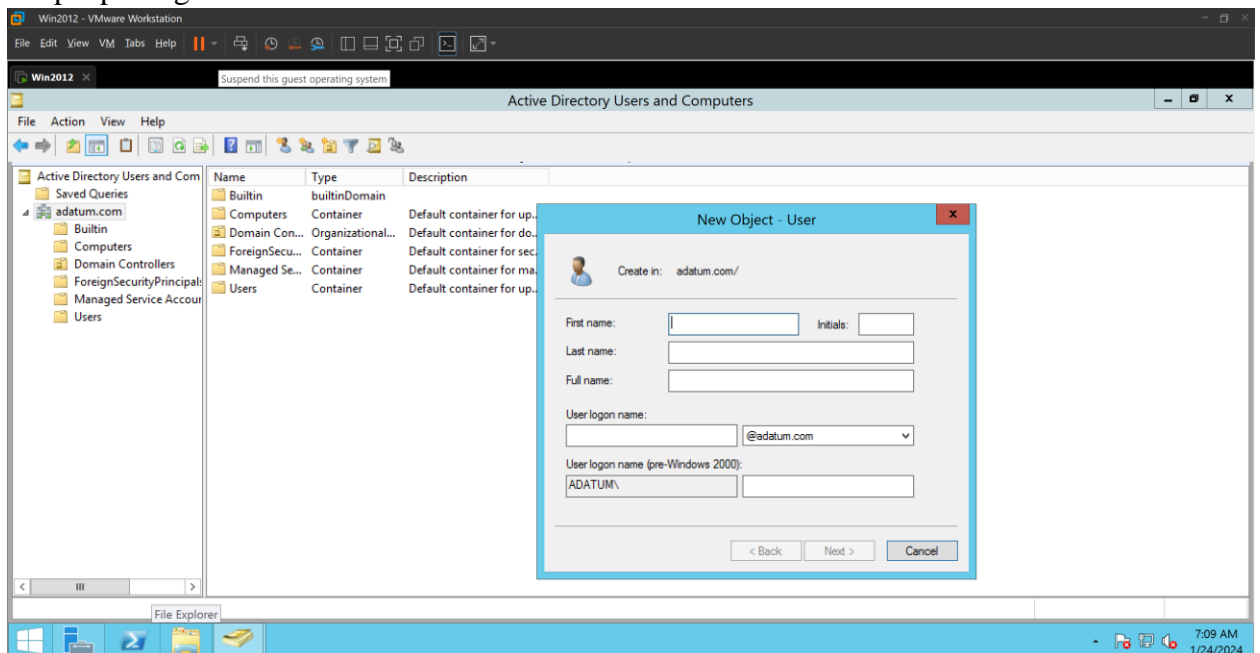
- Click OK to save computer object and the Final Output required is.

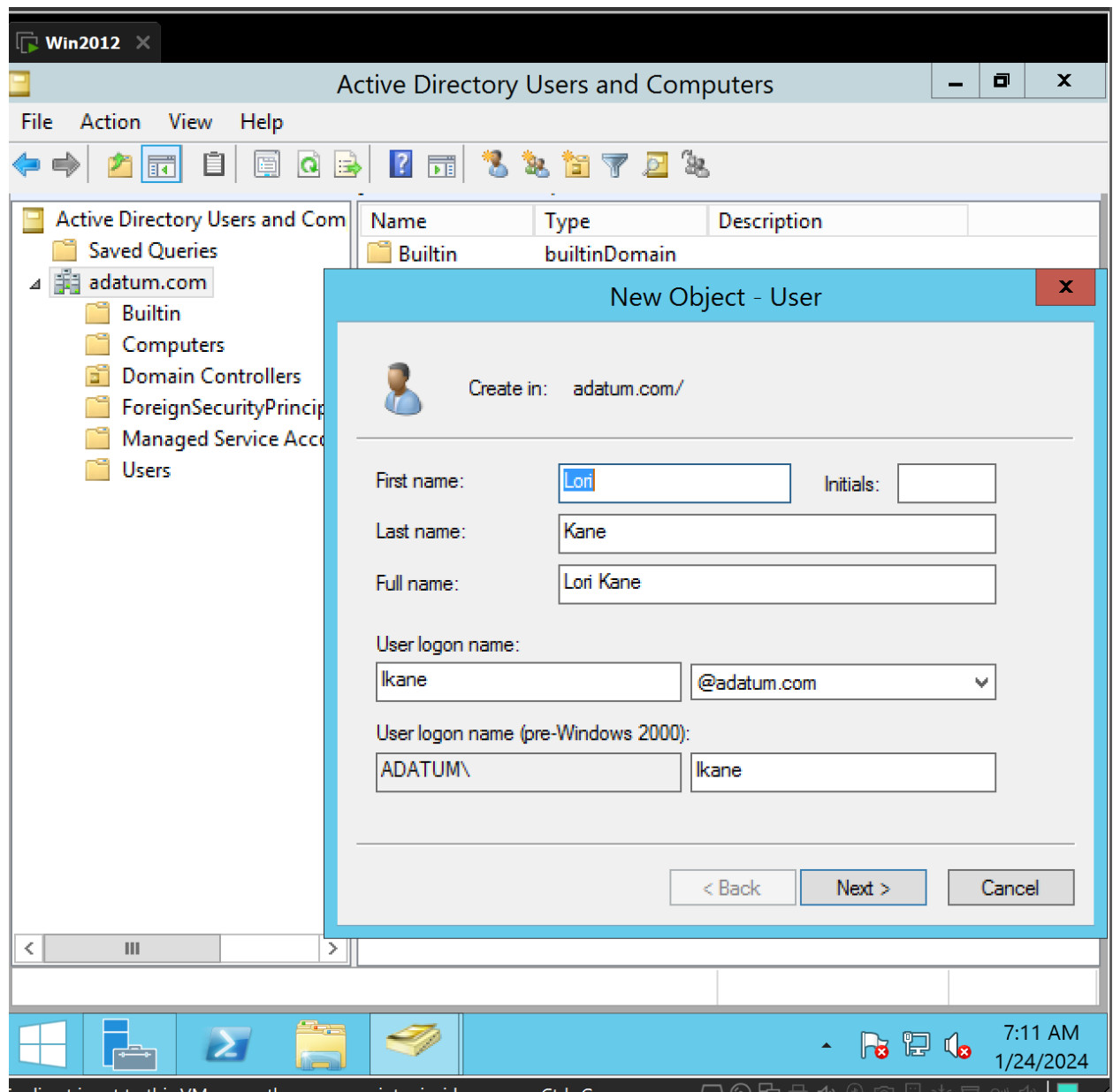


End of Task.

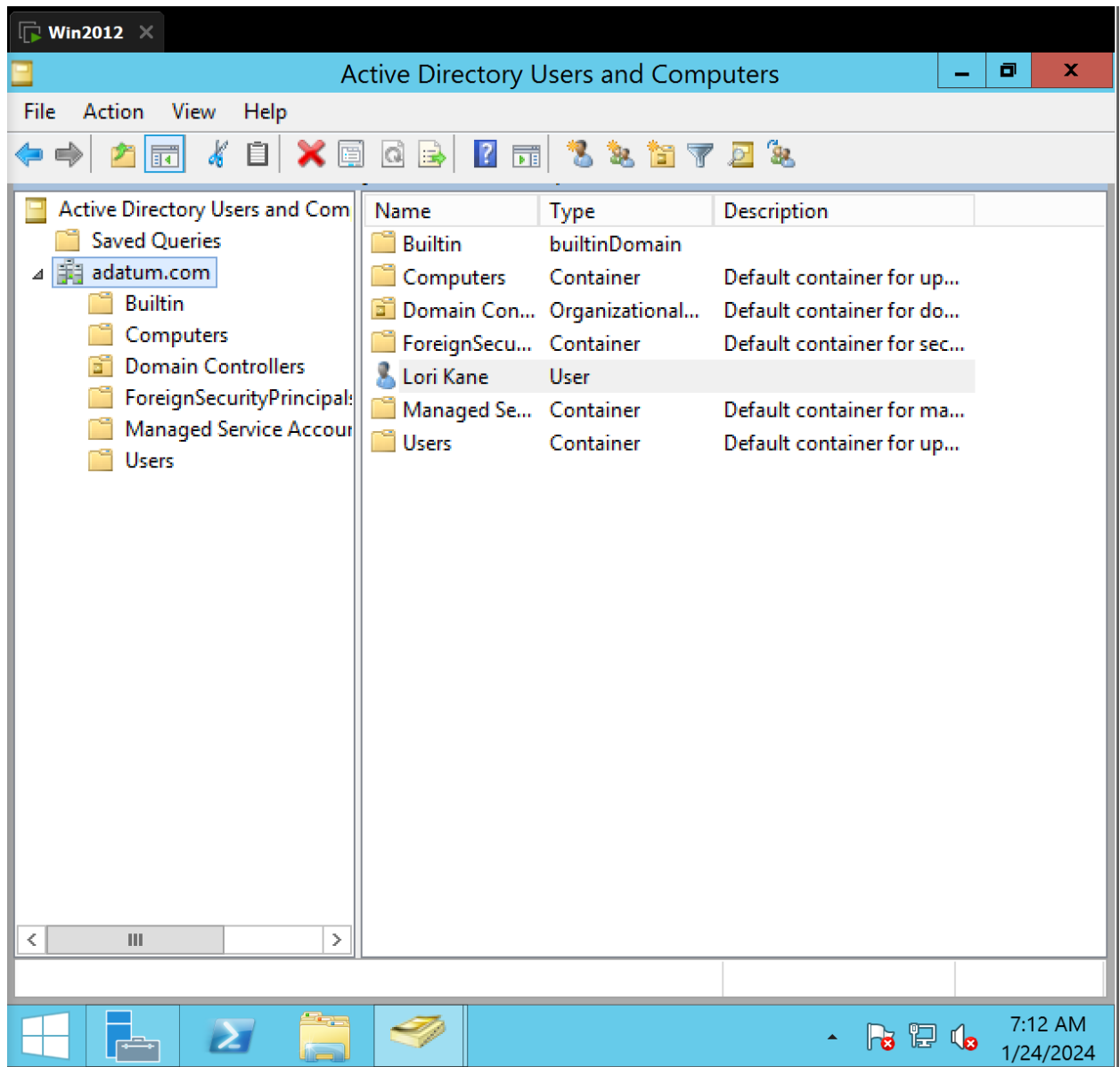
Creating Single User

- One SVR-DC-A computer, in the active directory users and computers console, selects the people organization unit.





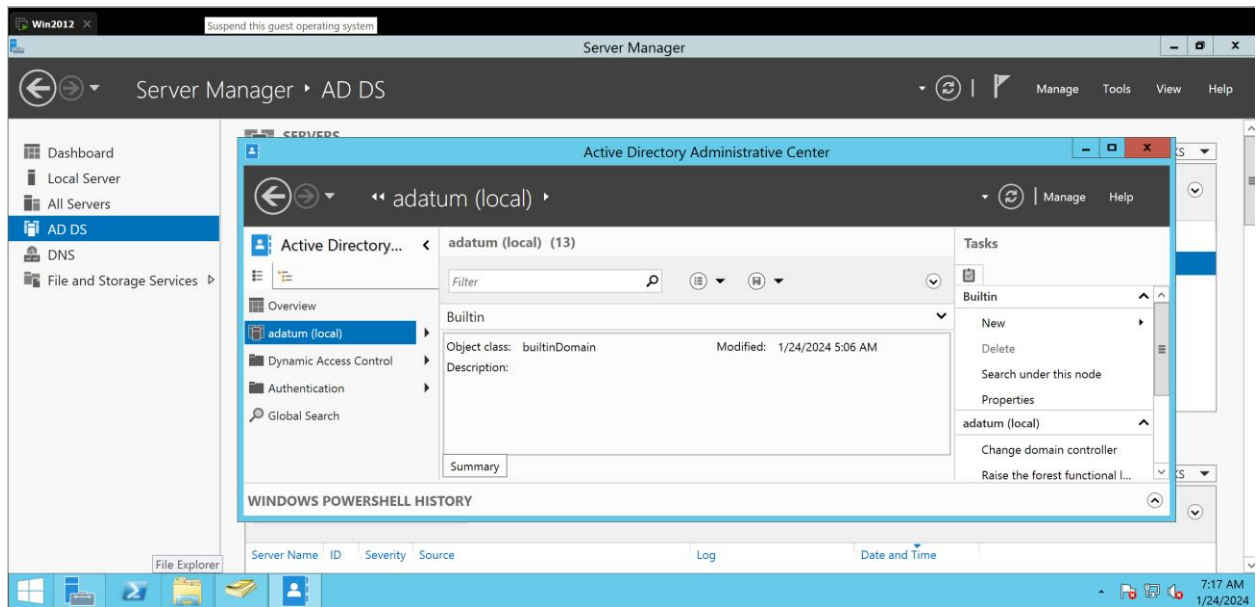
- And Click Finish.



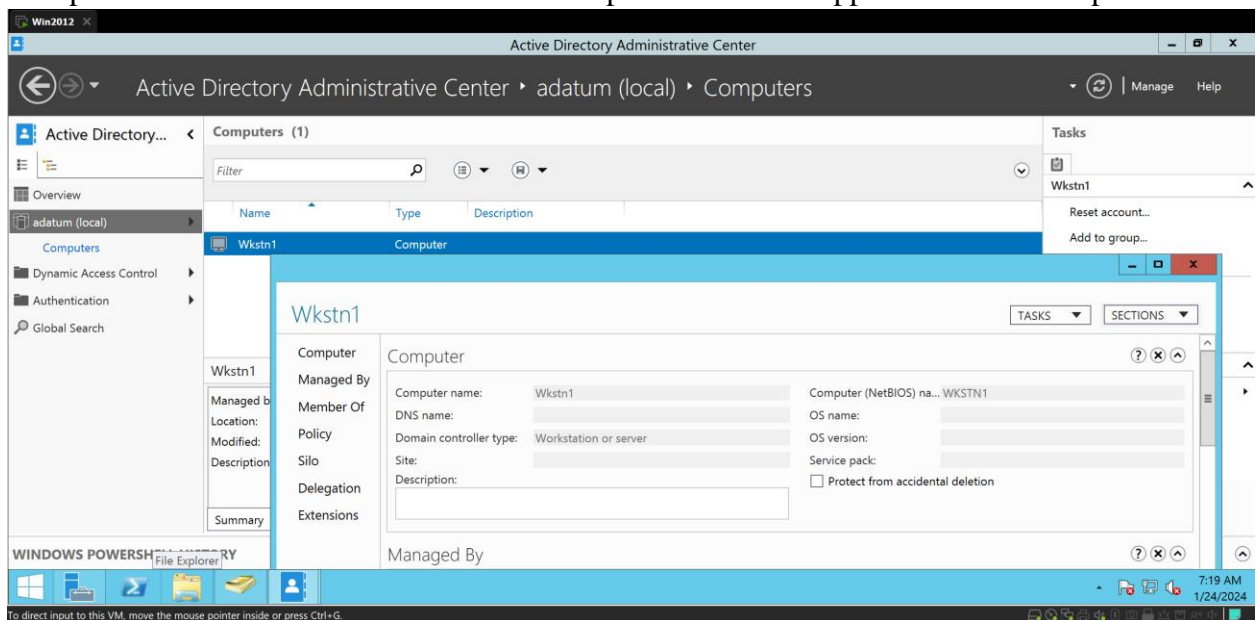
- End of Task

Using Active Directory Administrative Center

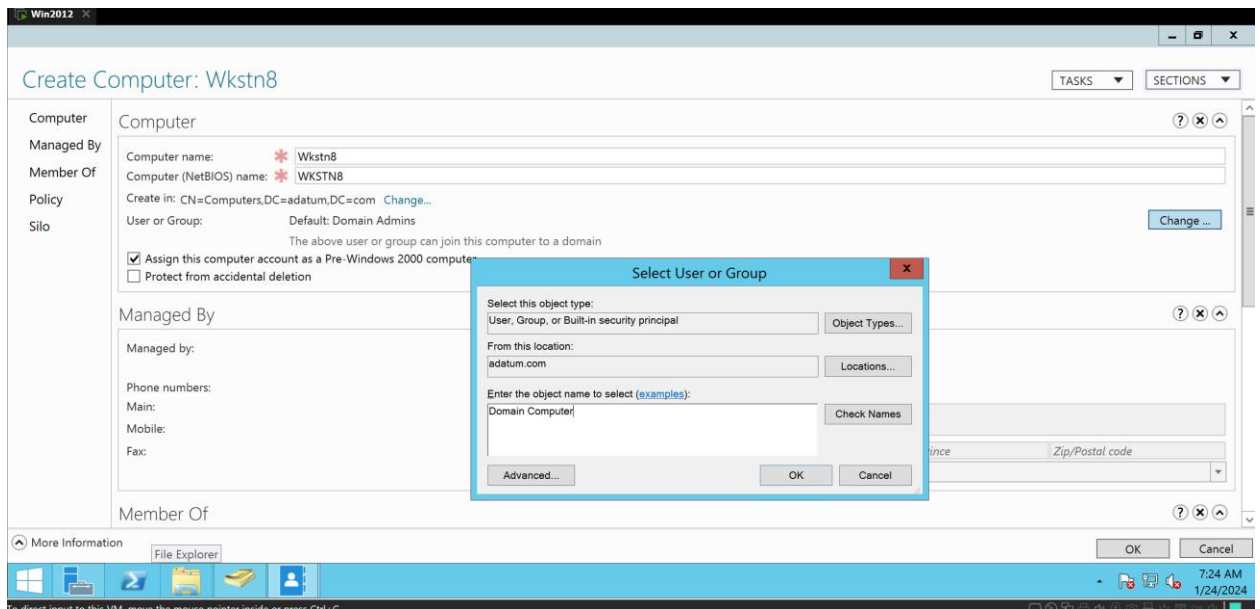
- On the SVR-DC-A computer, in the Server Manager console, select Tools > Active Directory Administrative Center. The Active Directory Administrative Center console appears.



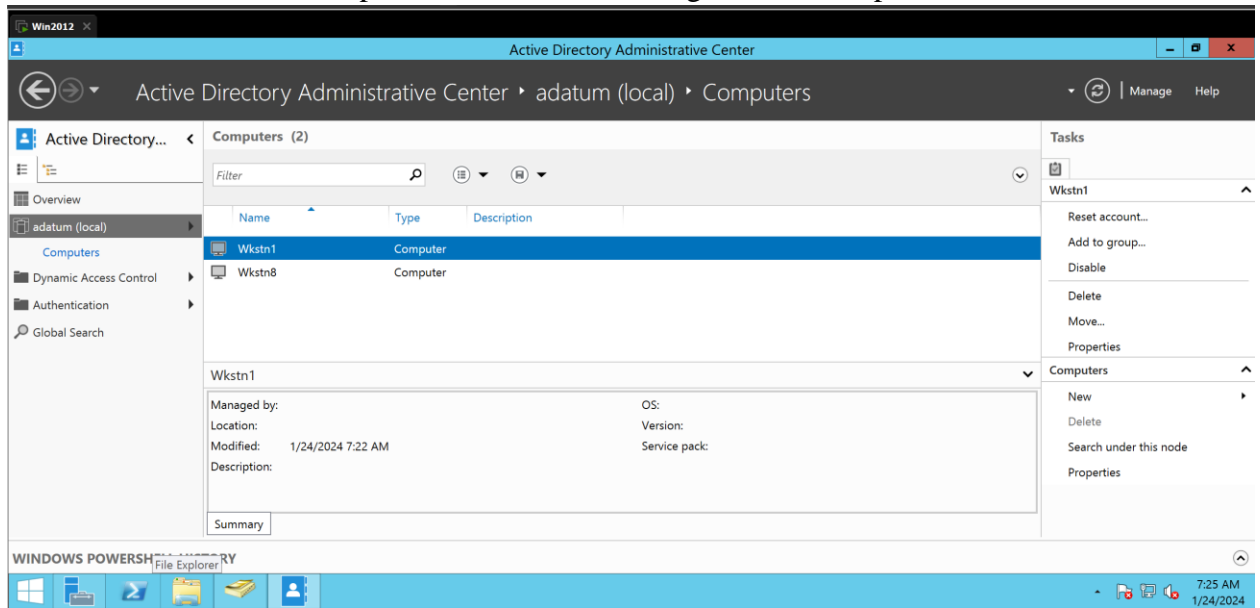
- In the left pane, select the adatum (local) node and, in the center pane, double-click the Computers container. The contents of the Computers container appears in the center pane



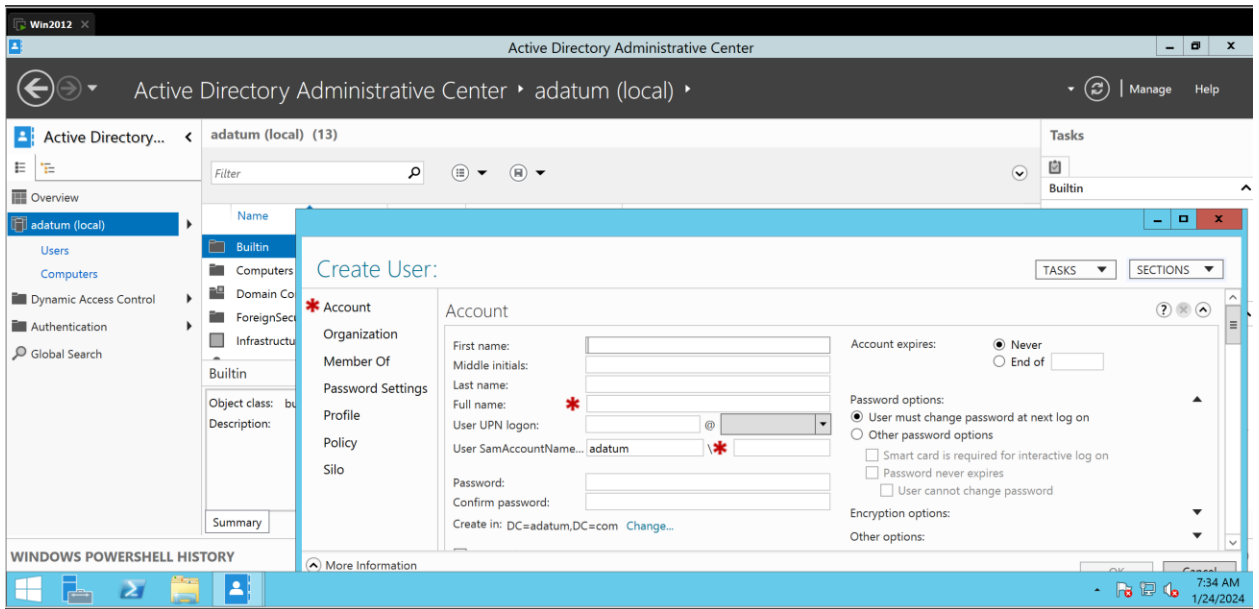
- In the right pane, select New > Computer. The Create Computer dialog box appears.



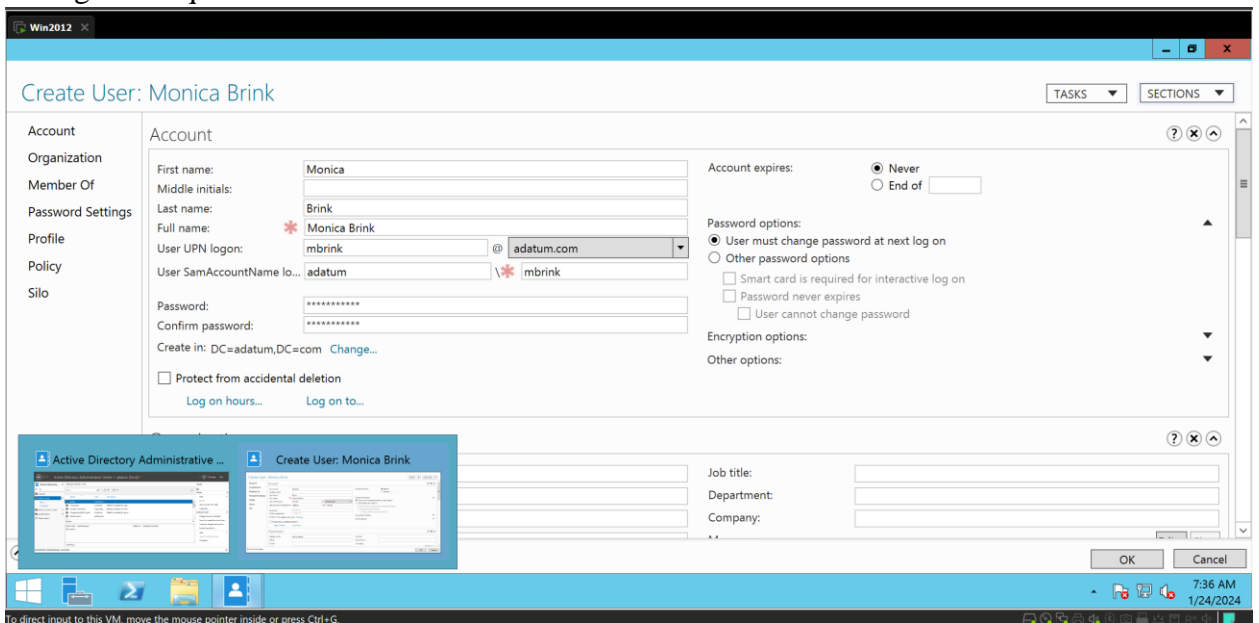
- Take a Screen Shot of Computer Container containing the new computer.

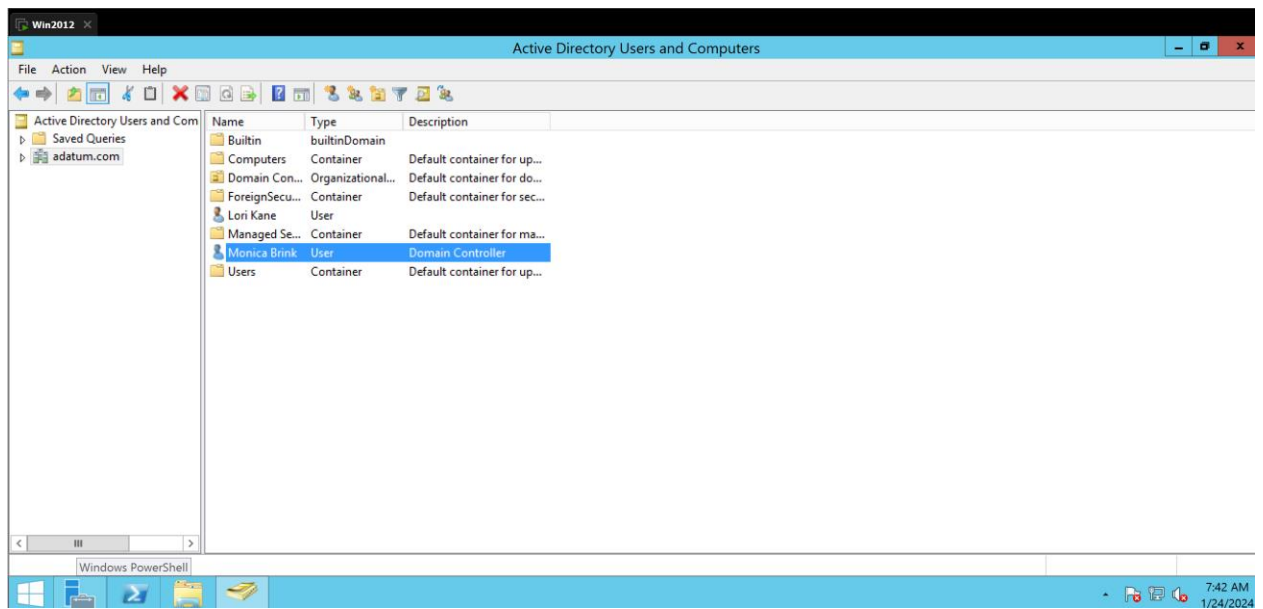


- In the left pane, select the adatum (local) node and, in the center pane, double-click the People OU. The contents of the People container appears in the center pane.



- Filling the Required Information.



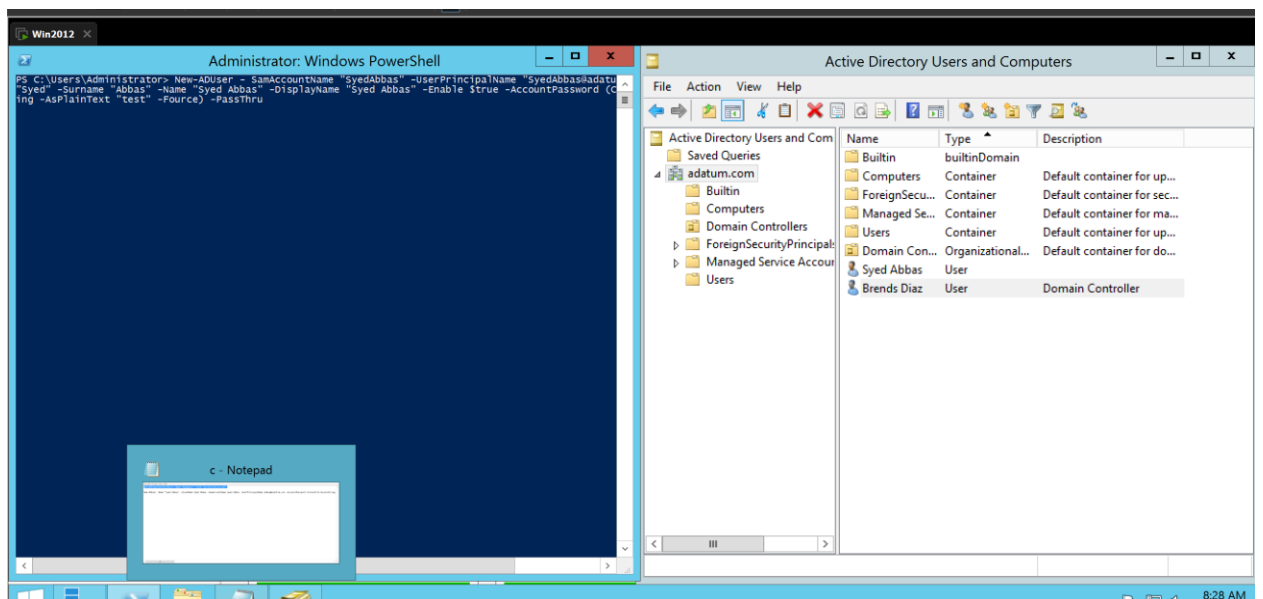


End of Task.

Creating Users With Posershell

Using the Command

New-ADUser -SamAccountName "SyedAbbas" -UserPrincipalName "SyedAbbas@adatum.com" -GivenName "Syed" -Surname "Abbas" -Name "Syed Abbas" -DisplayName "Syed Abbas" -Enabled \$true -AccountPassword (ConvertTo-SecureString "test" -AsPlainText "test" -Force) -PassThru



End Task.

Conclusions:

In this lab, the installation and configuration of Active Directory Domain Services were successfully completed on two Windows 2012 servers, establishing a new forest and a child domain under "adatum.com." The tasks also involved creating computer objects, single users, and utilizing Active Directory Administrative Center and PowerShell commands for user creation.

References:

- 1- Desmond, B., Richards, J., Allen, R., & Lowe-Norris, A. G. (2008). Active Directory: Designing, Deploying, and Running Active Directory. " O'Reilly Media, Inc."
- 2- Richards, J., Allen, R., & Lowe-Norris, A. G. (2006). Active Directory. " O'Reilly Media, Inc."
- 3- Dias, J. (2002). A guide to microsoft active directory (ad) design (No. UCRL-MA-148650). Lawrence Livermore National Lab.(LLNL), Livermore, CA (United States).