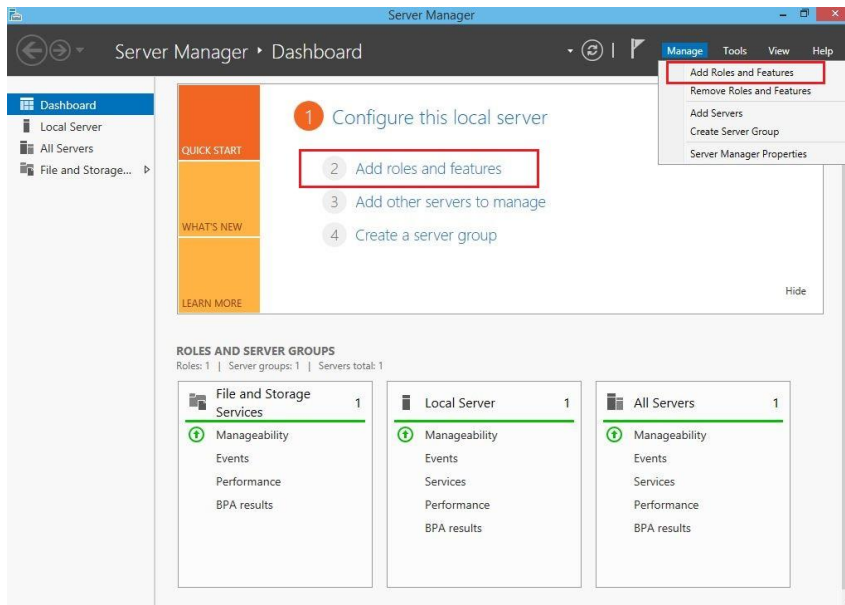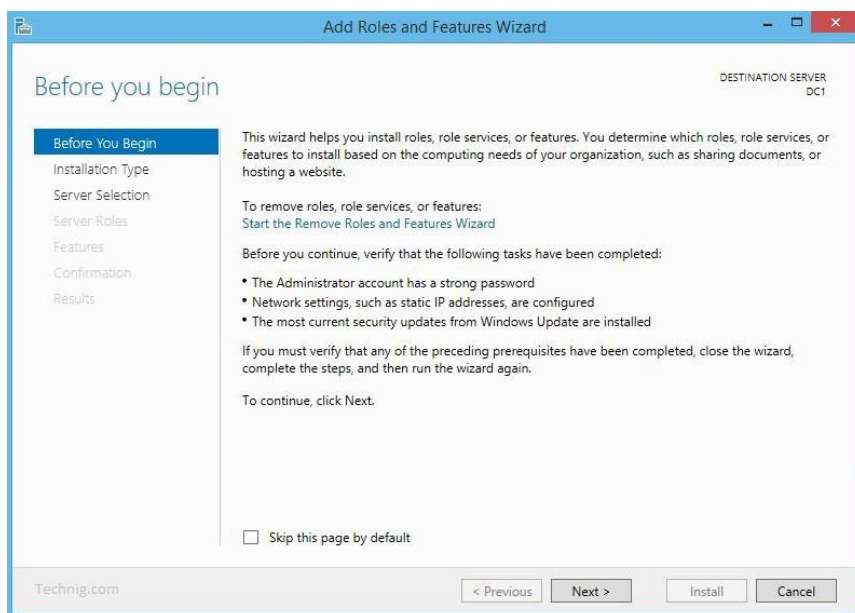# Windows Server 2012 R2 Lab

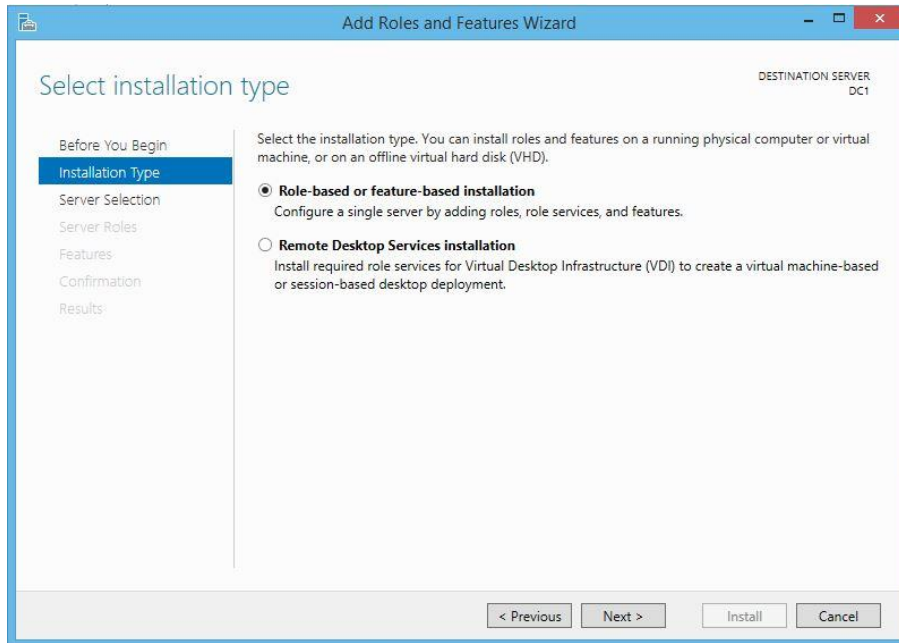## Lab 1: Configuring Active Directory Domain Service

1. Clicking on the **Server Manager** to open it.

2. Here we see the Server Manager dashboard. Now going to **Manage** tab and clicking **Add Roles and Features**.
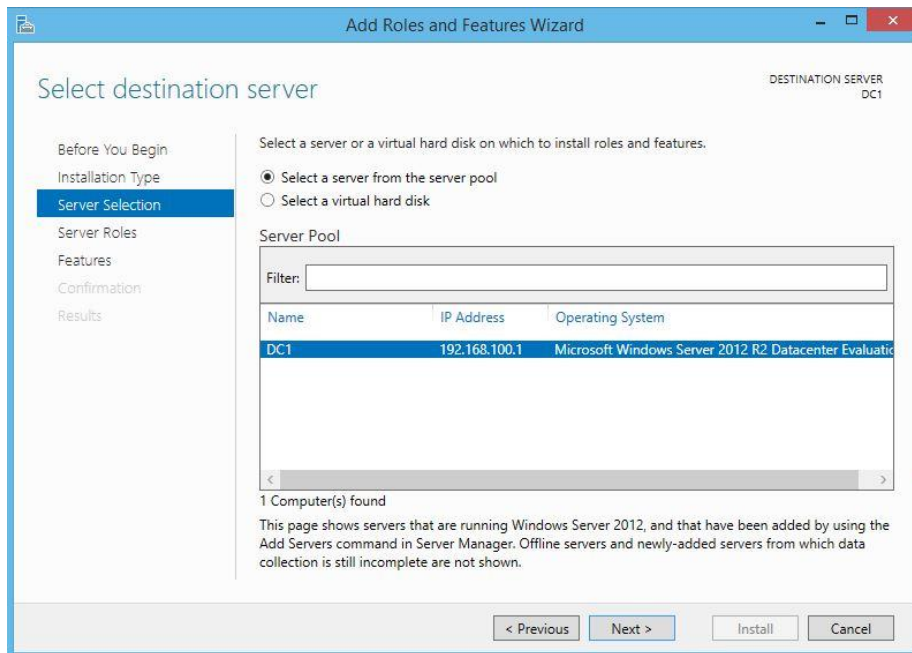

3. Clicking **Next** in **Add Roles and Features Wizard** page.

4. Letting the default **Role based or feature base installation** has selected and clicking **Next**.


5. In the **Selecting destination server** page, selecting the server we want to install AD and clicking **Next**.
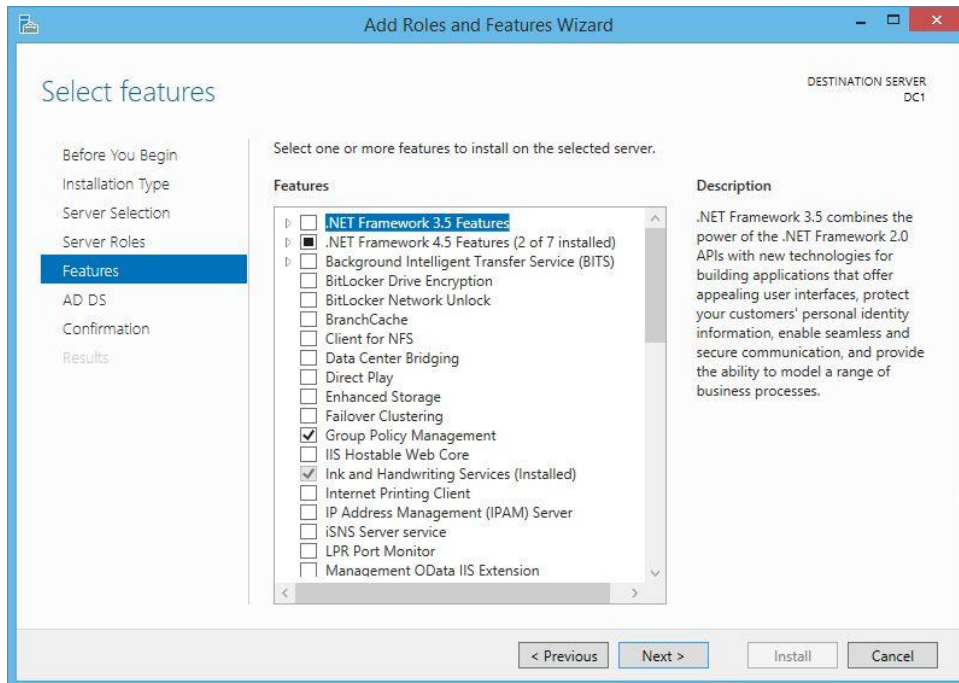
6. Now selecting the **Active Directory Domain Services** from Roles list in order to install it. When prompted to add the **required features for Active Directory Domain Services** within a new window, clicking **Add Features**.
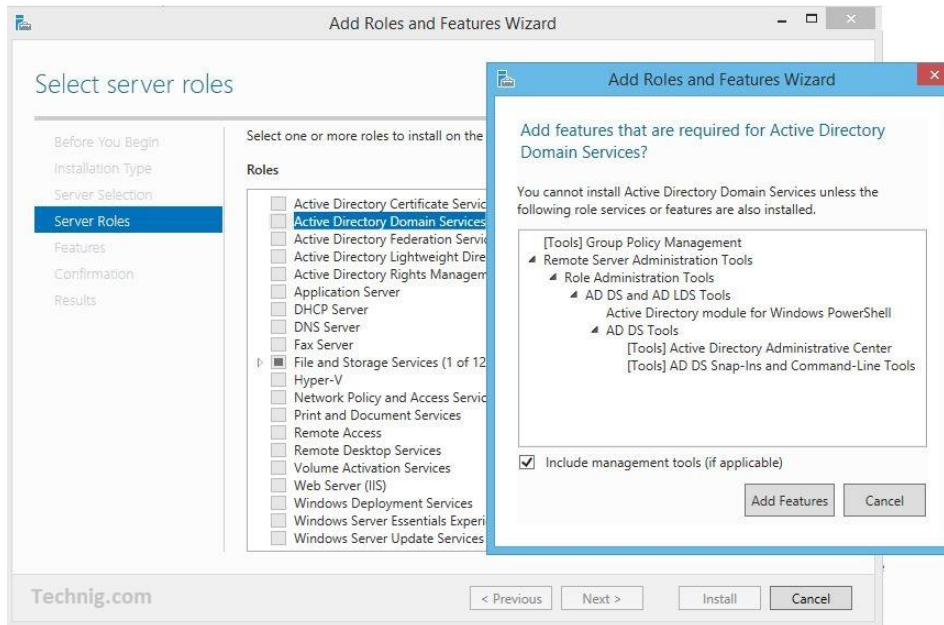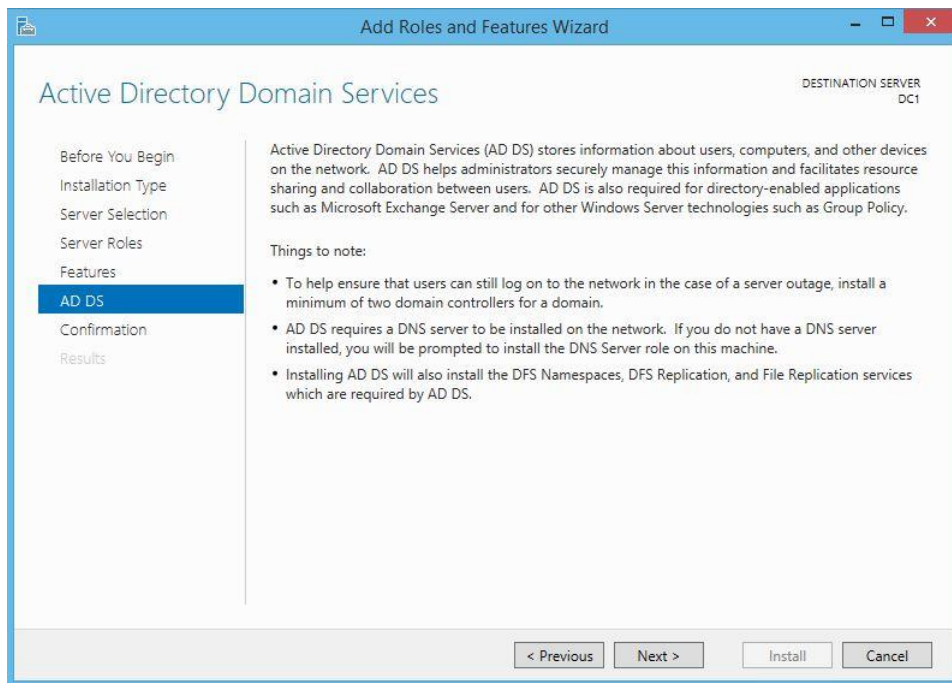

7. Now the **Active Directory Domain Services** has been selectinged and ready to install. Just clicking **Next**.
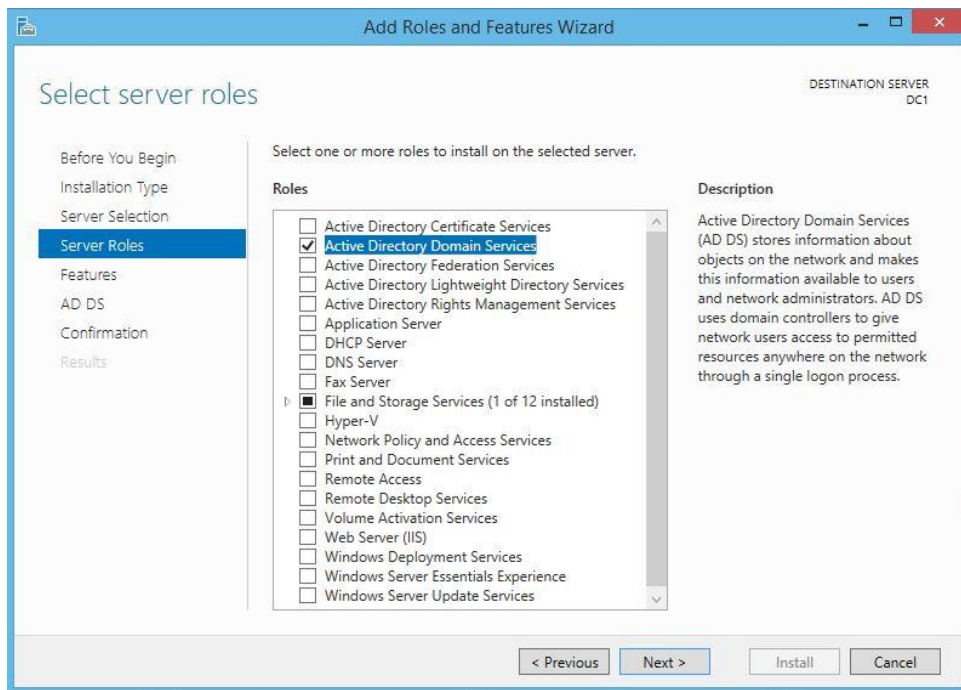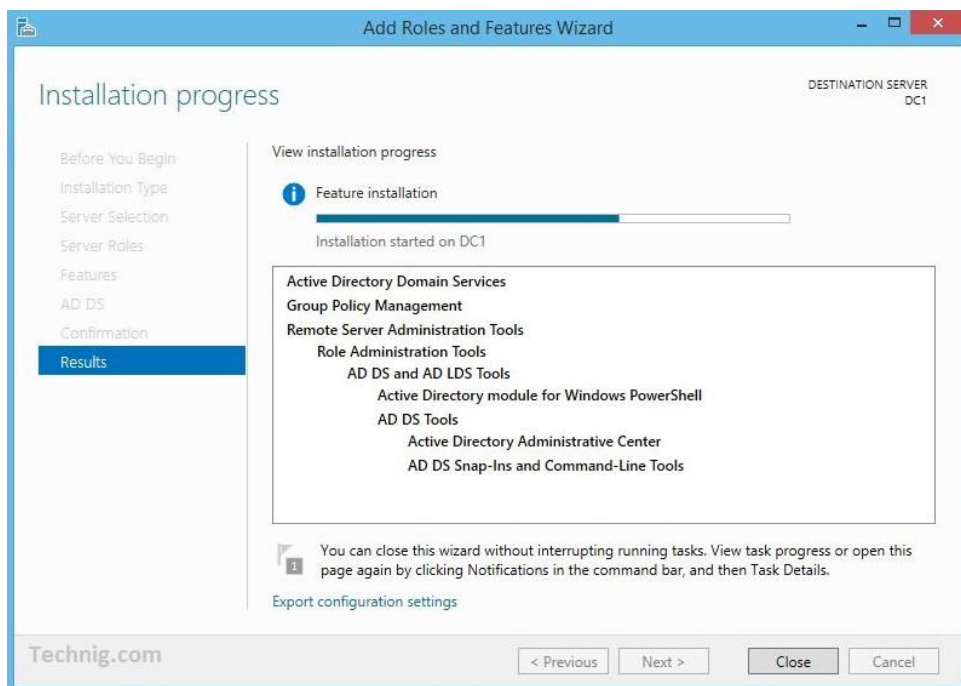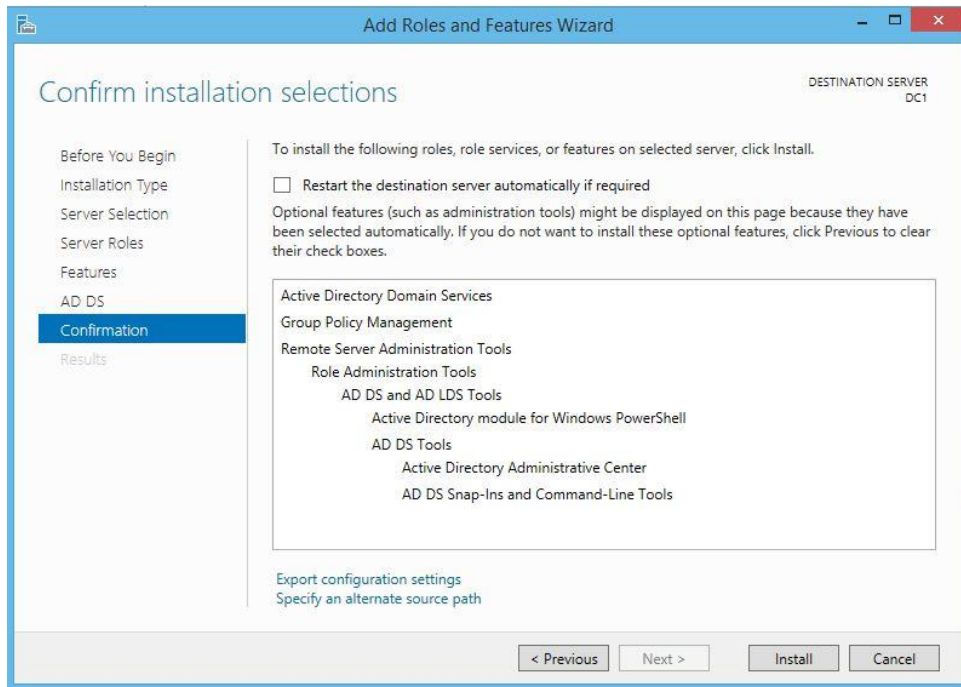
**8.** Leaving the **Windows Features** page by default and clicking **Next**.

9. Now, we may need to read some information about **Active Directory Domain Service**. In this page reading once and clicking **Next**.
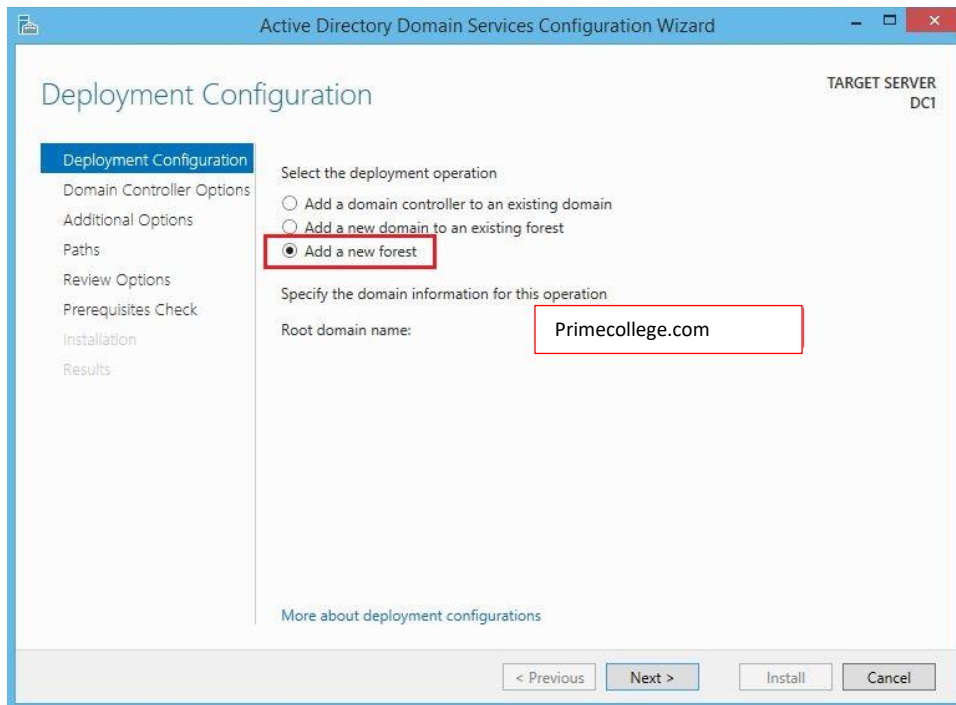
10. In the **Confirm Installation selectingions** page clicking **Install** to begin installation of AD DS.

11. When the AD DS installation has completed. **clicking** the **Promote this server to a domain controller**.
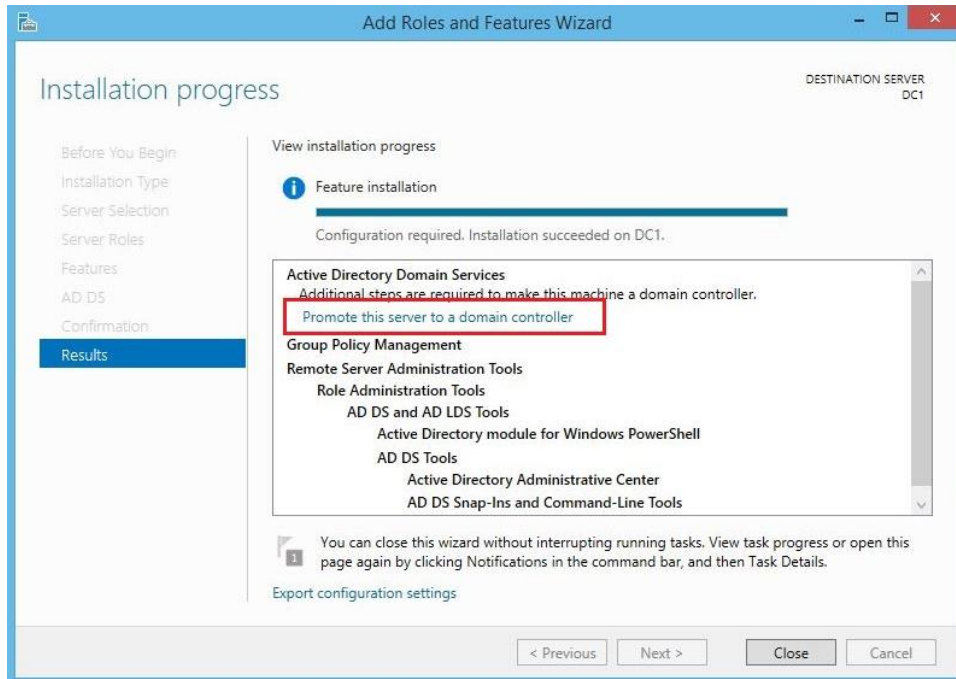

12. The Active directory **Deployment Configuration** page will open.

13. In this window selecting **add a new forest** and typing our domain name in the **Root domain name** field then clicking **Next**. I have chose the domain name **primecollege.com.**
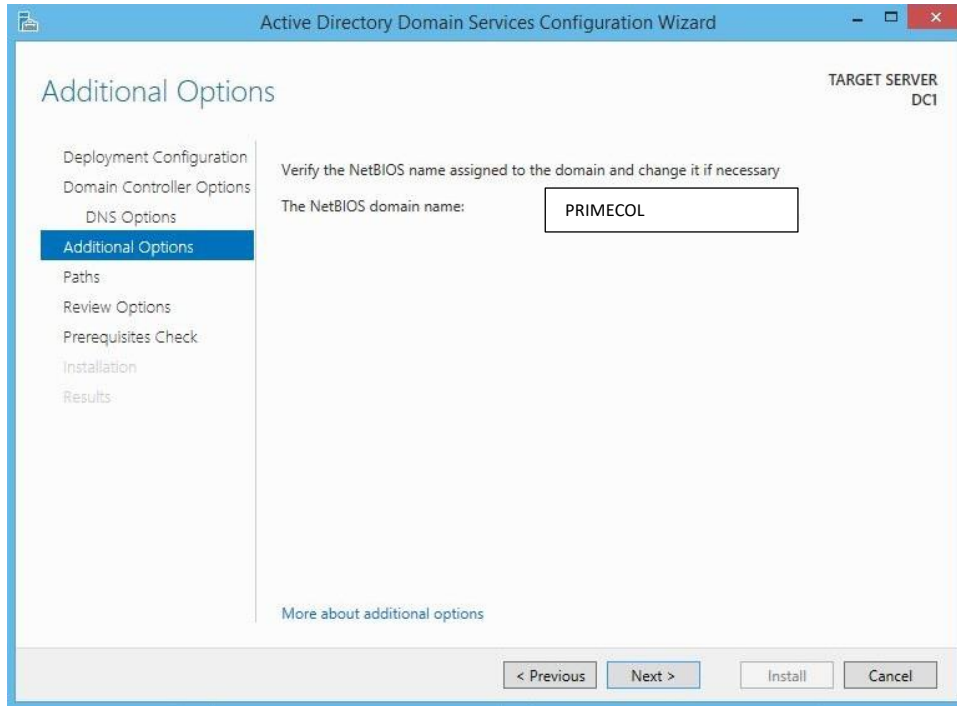
14. Leaving the **Domain Controller Options** by default, just typing password for **Directory Services Restore Mode (DSRM) password** and clicking **Next**.
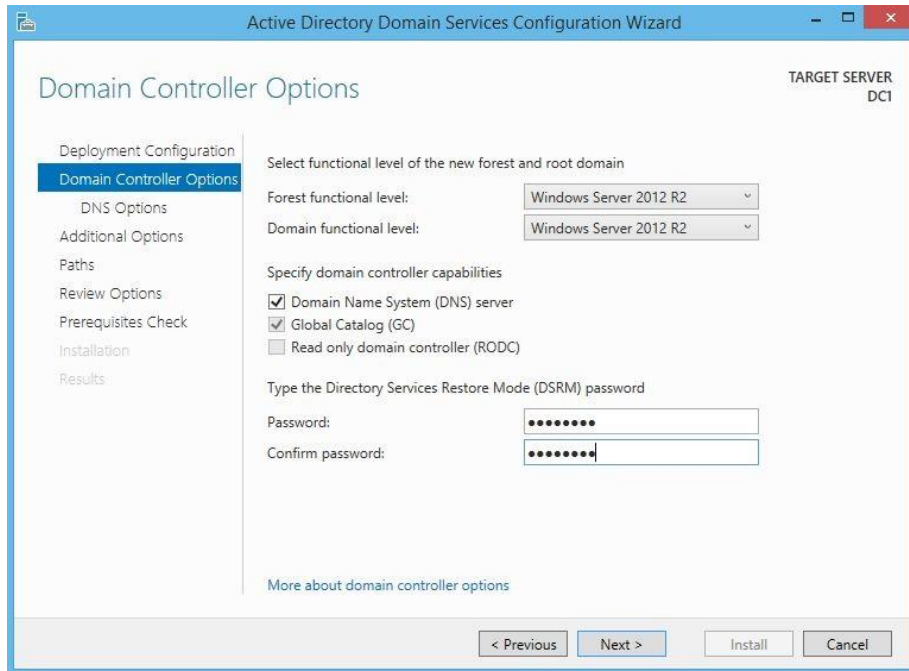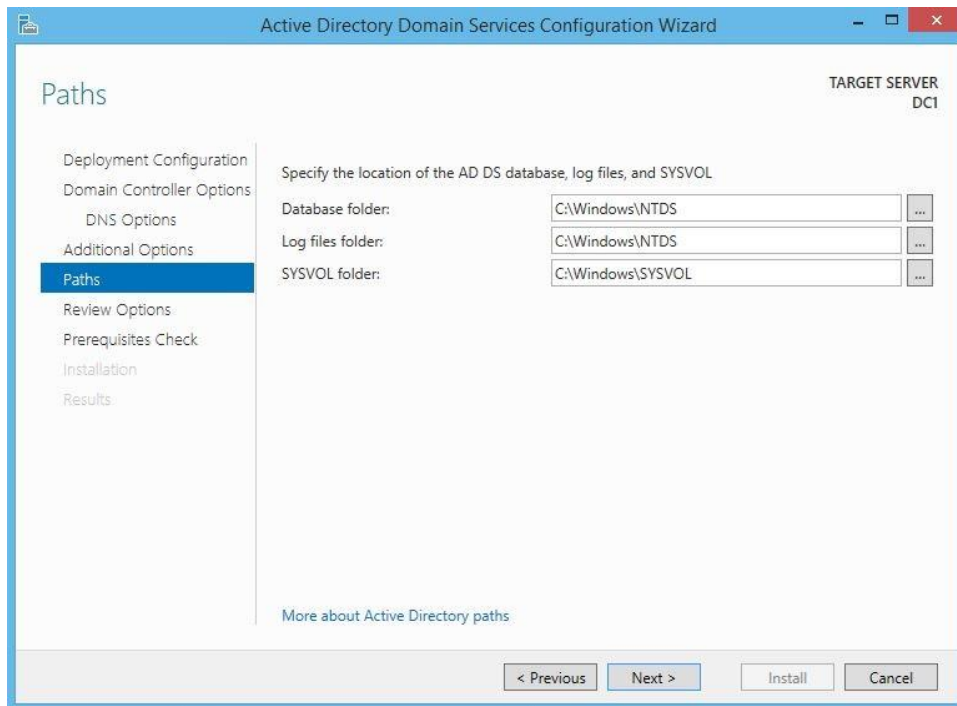

15. Ignoring the delegation for DNS server warning and clicking **Next**.
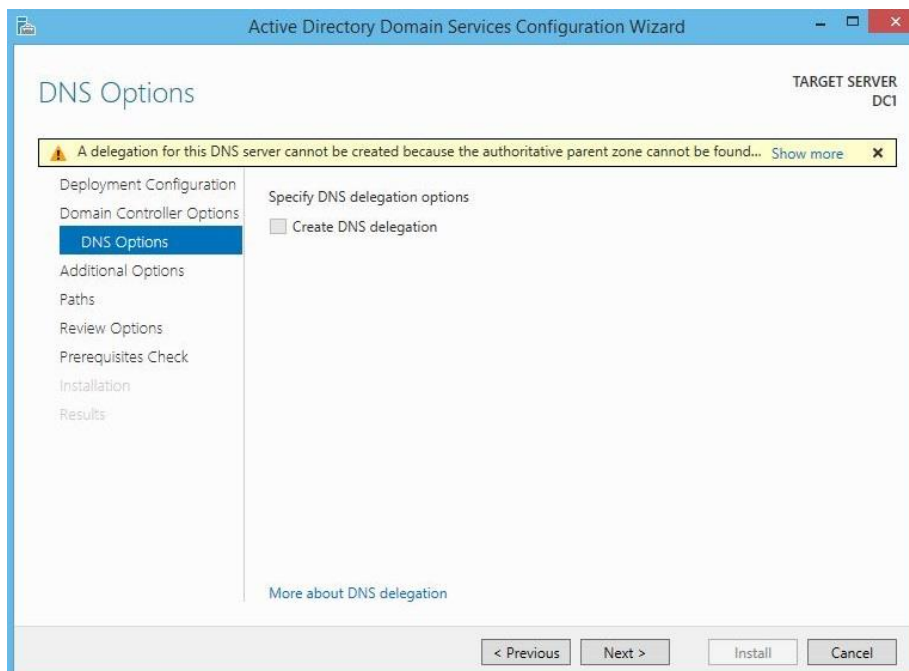
16. On the **Additional Options**, system will create a NetBIOS name according to our domain name. In this window doing nothing and clicking **Next**.
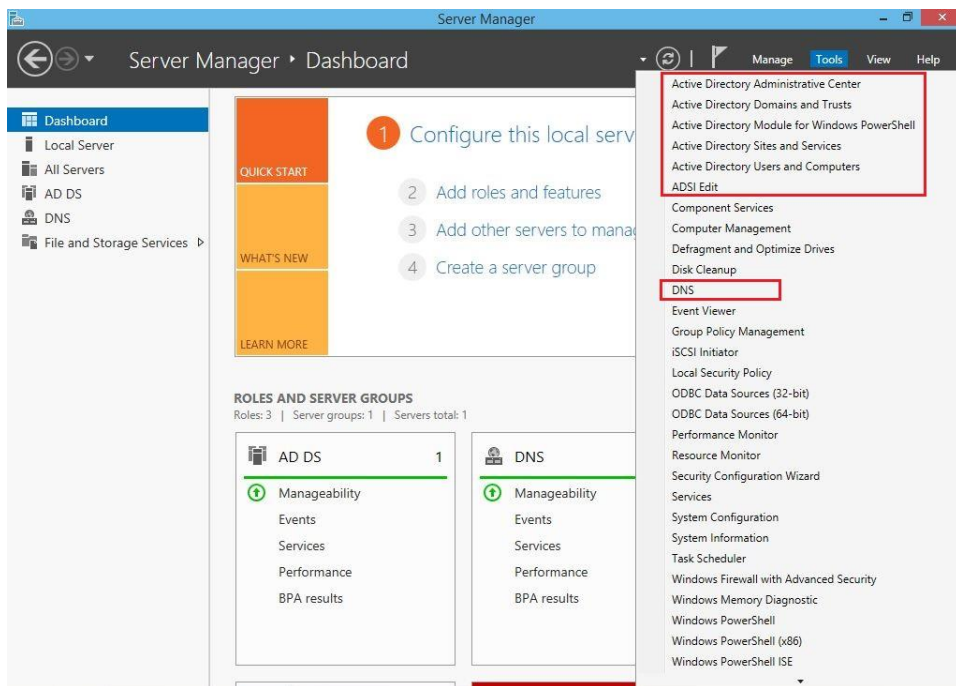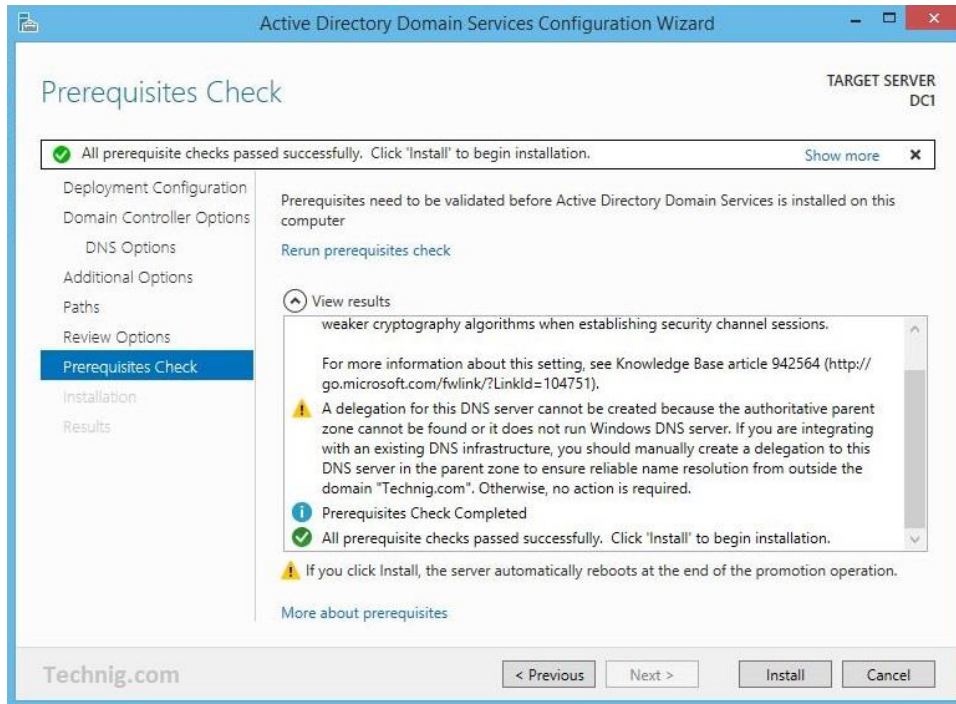

17. We can change the default directories for Database folder, Log files, and SYSVOL folder, and clicking **Next**.

18. Finally on the **Review Options** page, checking and reviewing all option to insure and clicking **Next**.
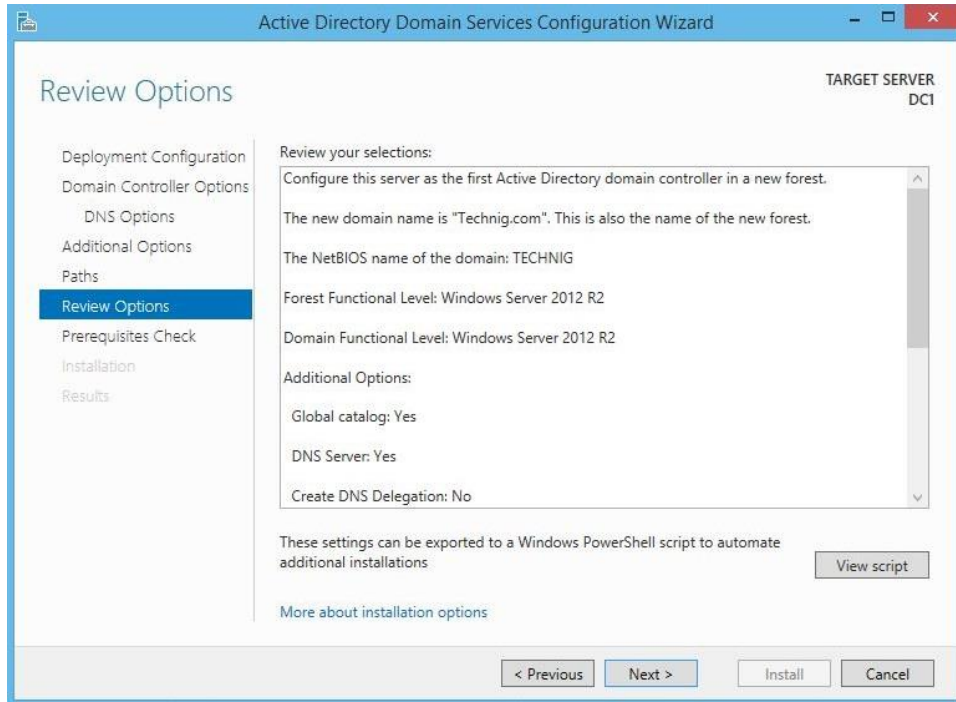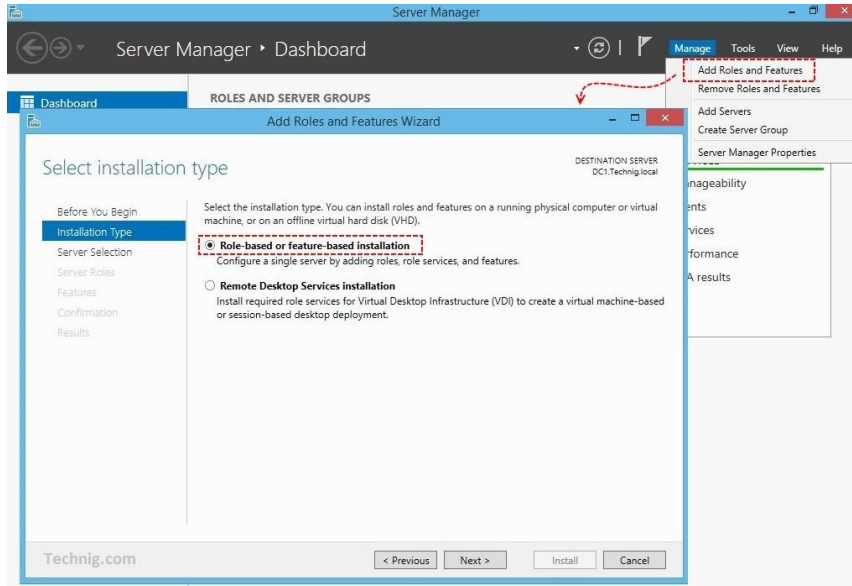
19. Once the system has checked prerequisites features for Active Directory, clicking **Install** and ignoring the DNS delegation warning again.

Lab 2: Configuring DHCP Service in Windows Server

1. Going to **Dashboard** on **Server Manager** and clicking **Manage** then clicking **Add Rules and Features**.


2. In the Role installation window selecting **Role-based or feature-based installation** the clicking **Next**.

3. Choosing the server we want to install DHCP from the **Server pool**. Here we have one server and selecting by default.
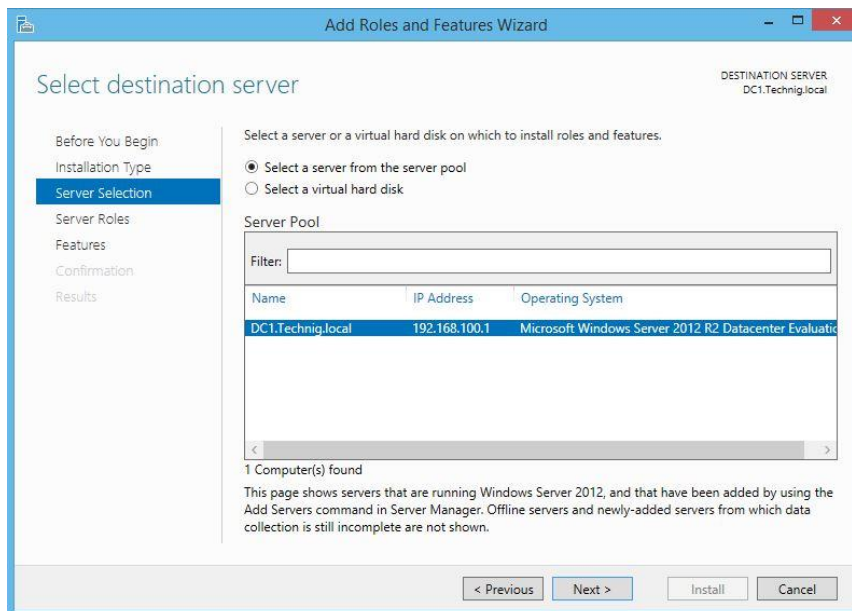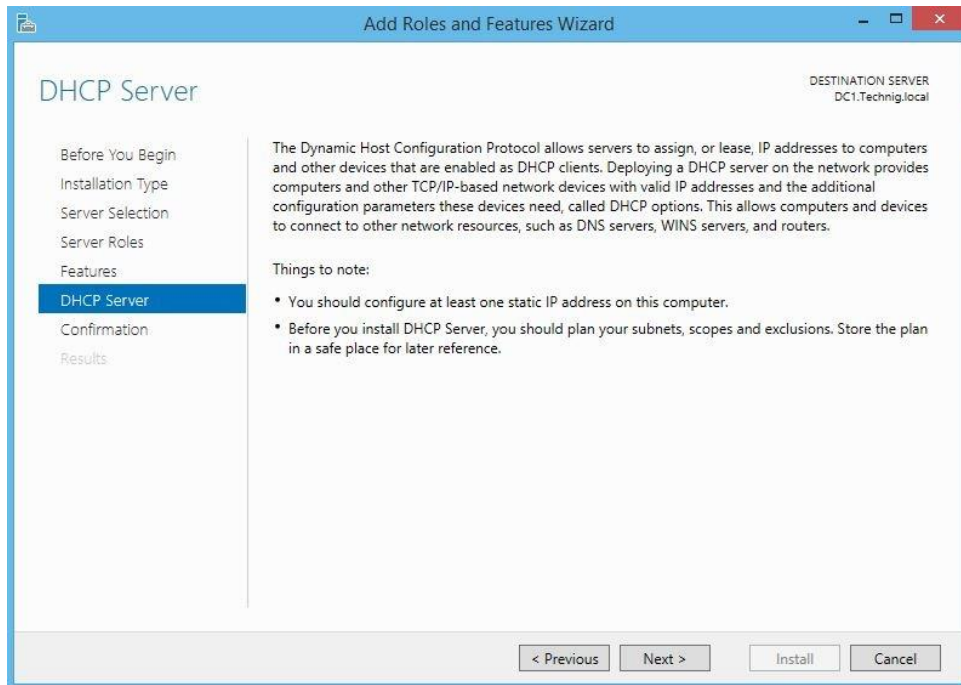
4. From the Roles list selecting DHCP Server. When the Add Roles and Features Wizard Page opened, clicking **Add Features** then clicking **Next**. That will install required features for DHCP Server.
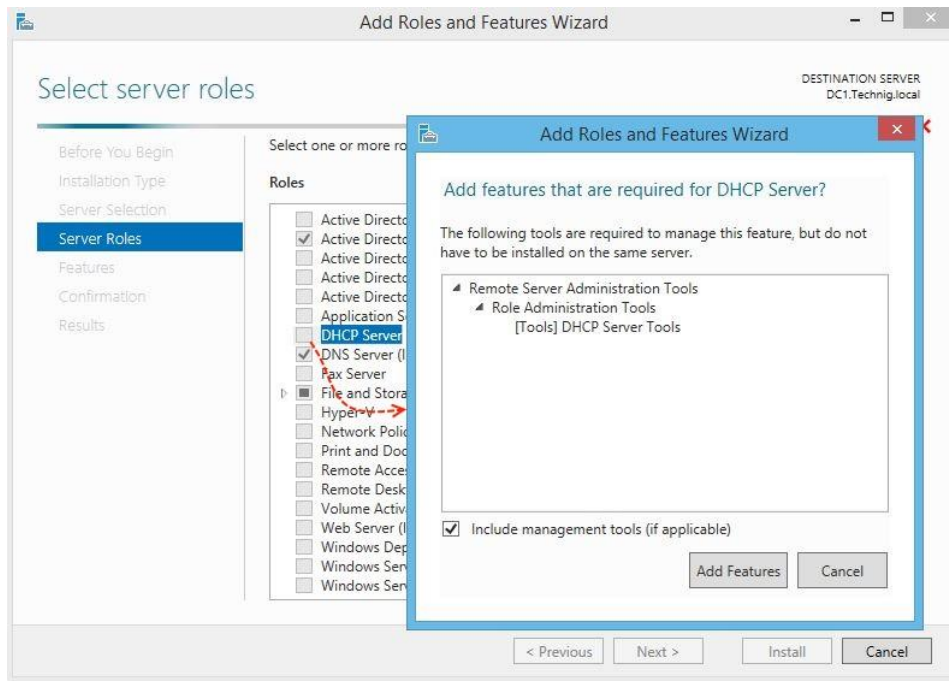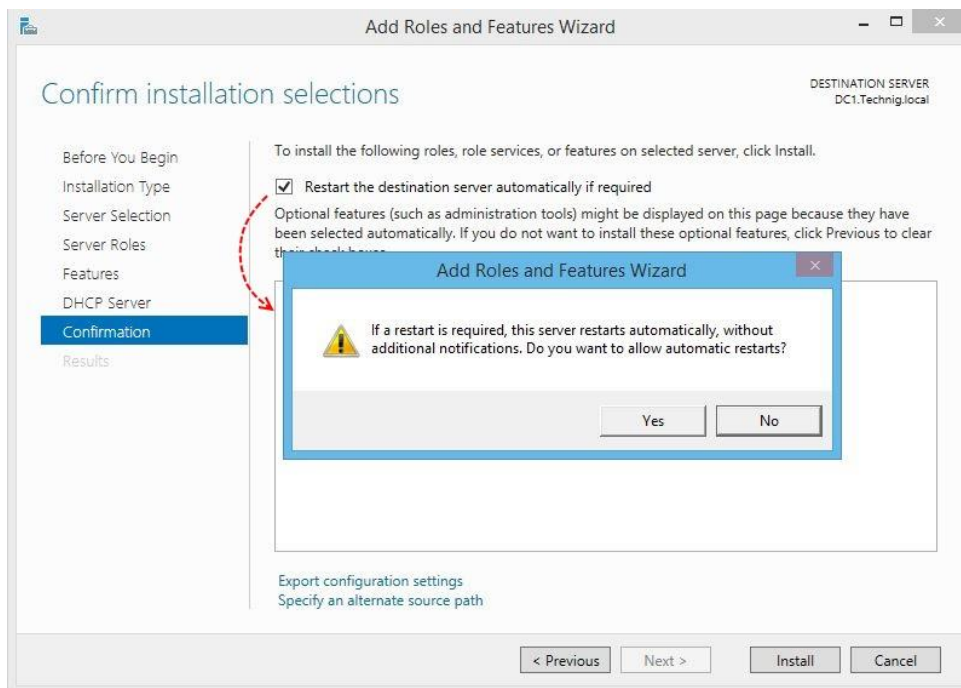

5. In the Features window, we do not change anything, just clicking **Next**.
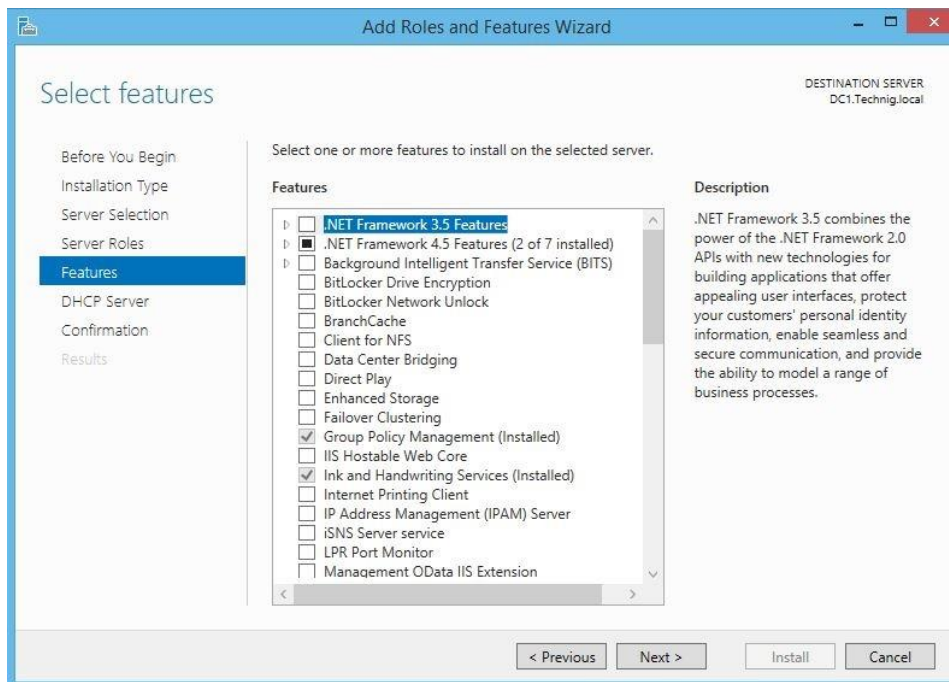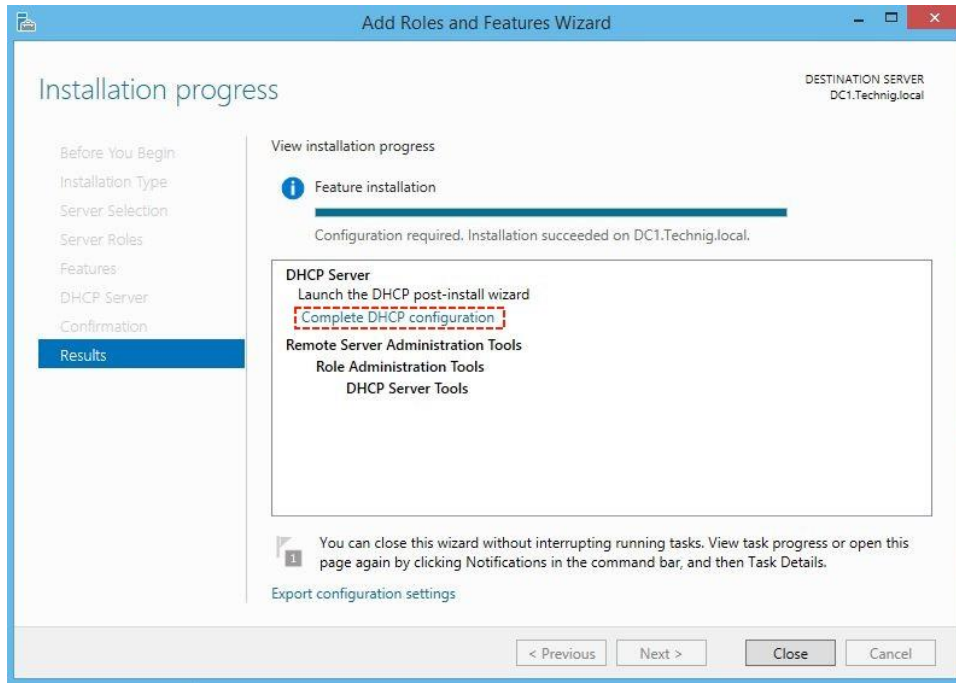
6. Once reading the information about DHCP Server and clicking **Next** button.
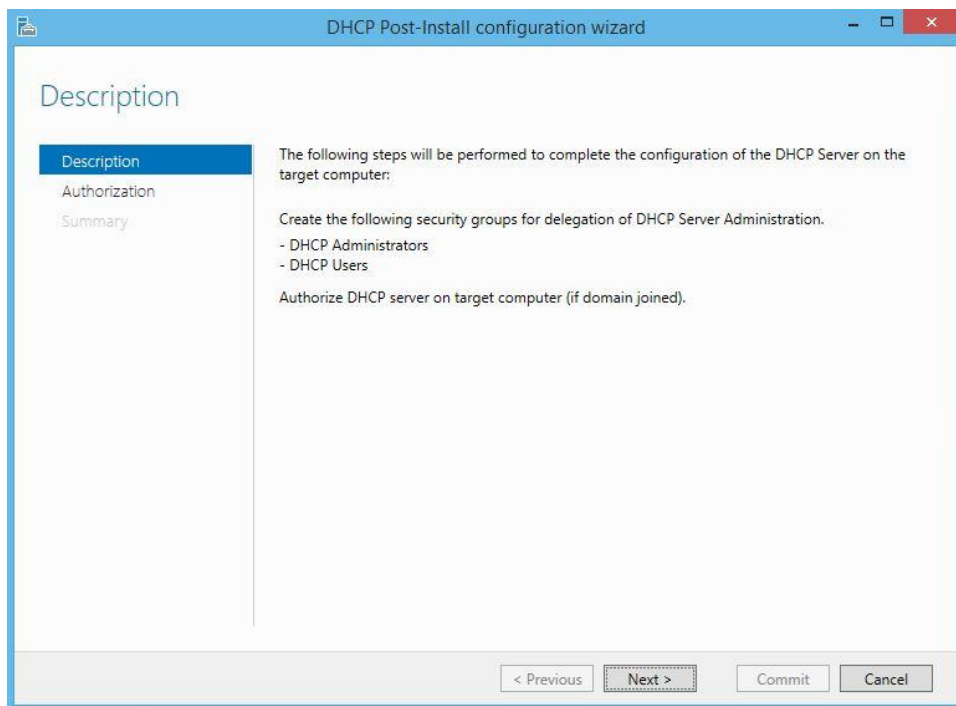

7. In the **Confirm Installation** page, selecting **Restart the destination server automatically if required**. Clicking **Yes** the warning window and clicking **Install**.
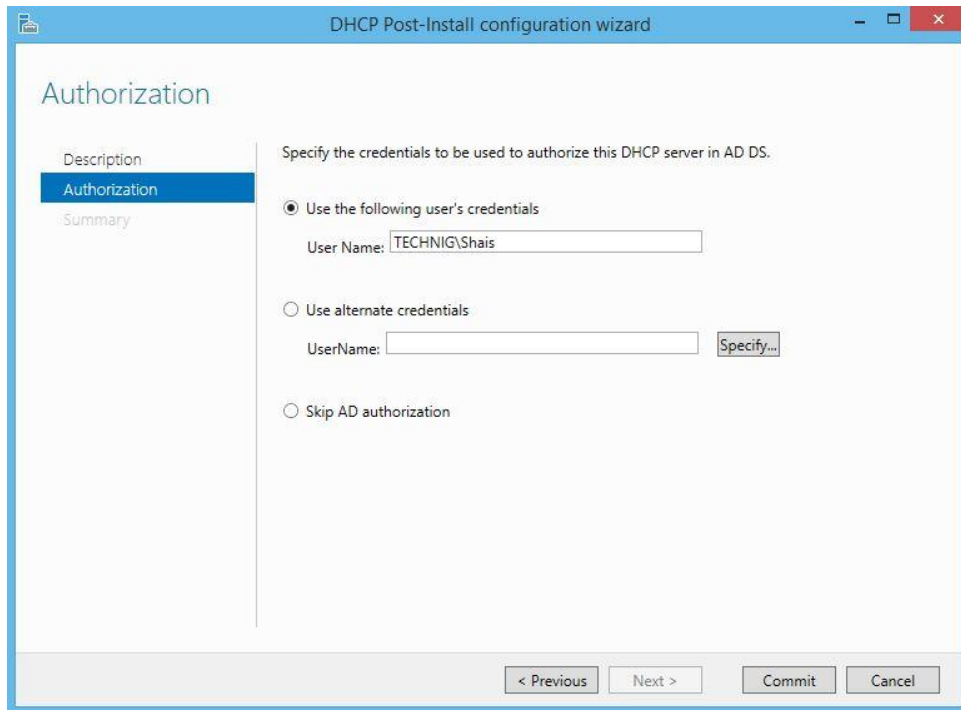
8. The installation will take a minute, when it has completed successfully clicking **Complete DHCP Configuration** link.

9. Reading **DHCP Post-Install configuration wizard description** and clicking **Next**.
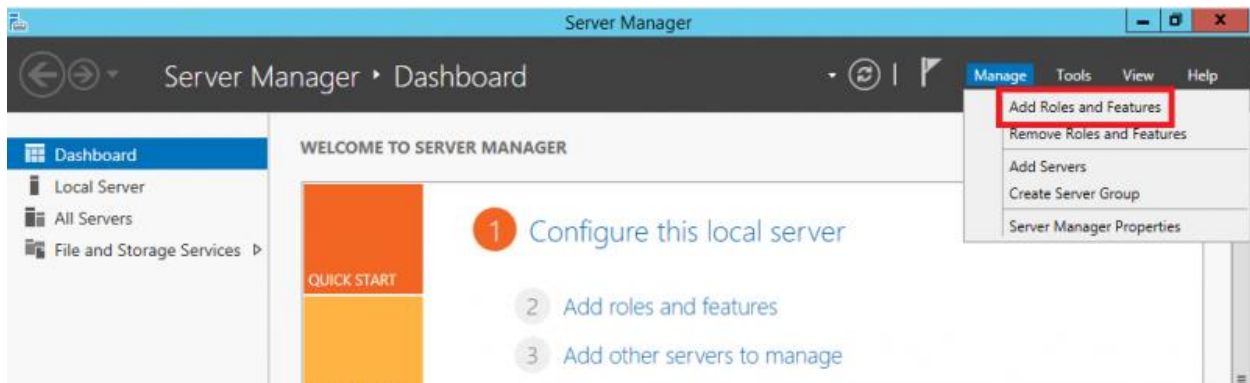
10. Setting the appropriate user for management of DHCP Server. Here we leave it by default.
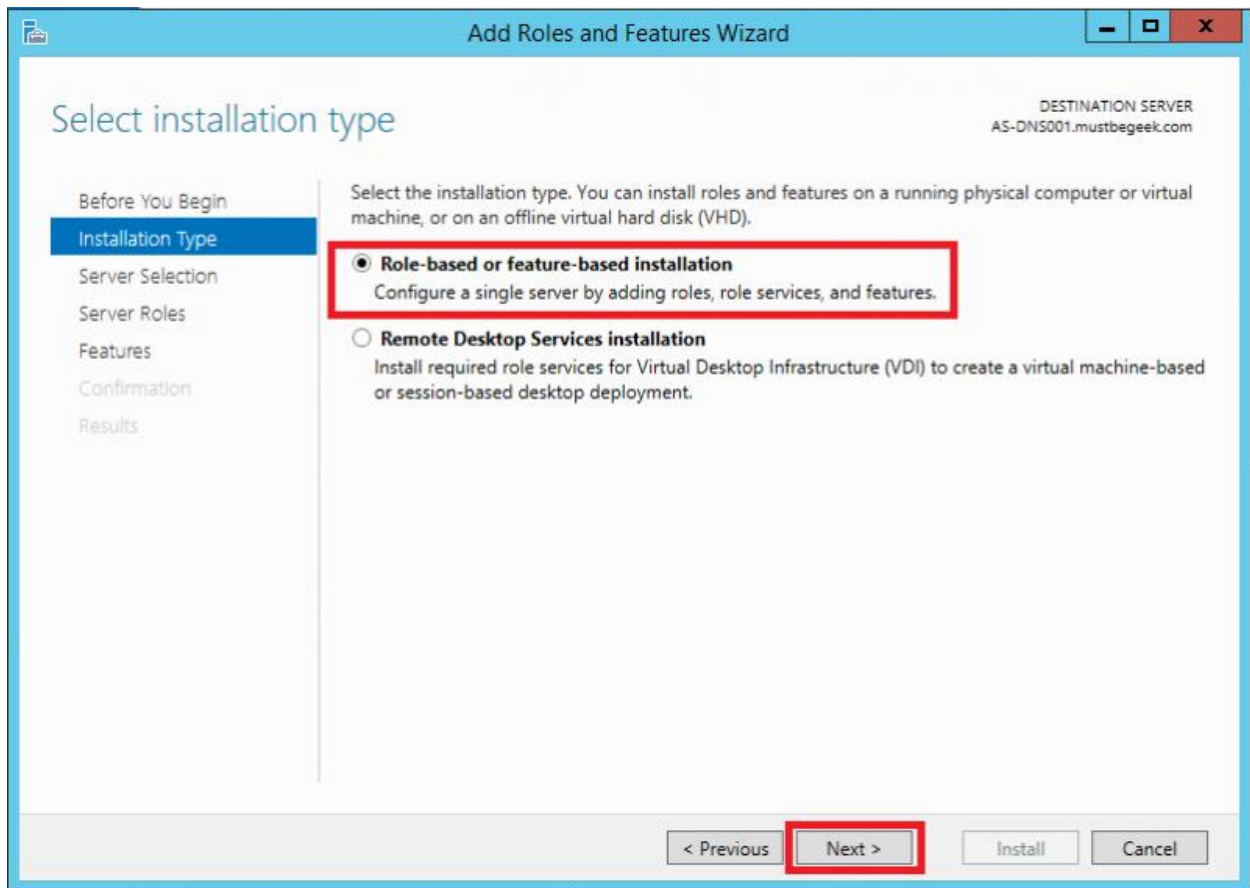

11. On the **DHCP summary** window clicking **Close** and closing the DHCP Installation page also.

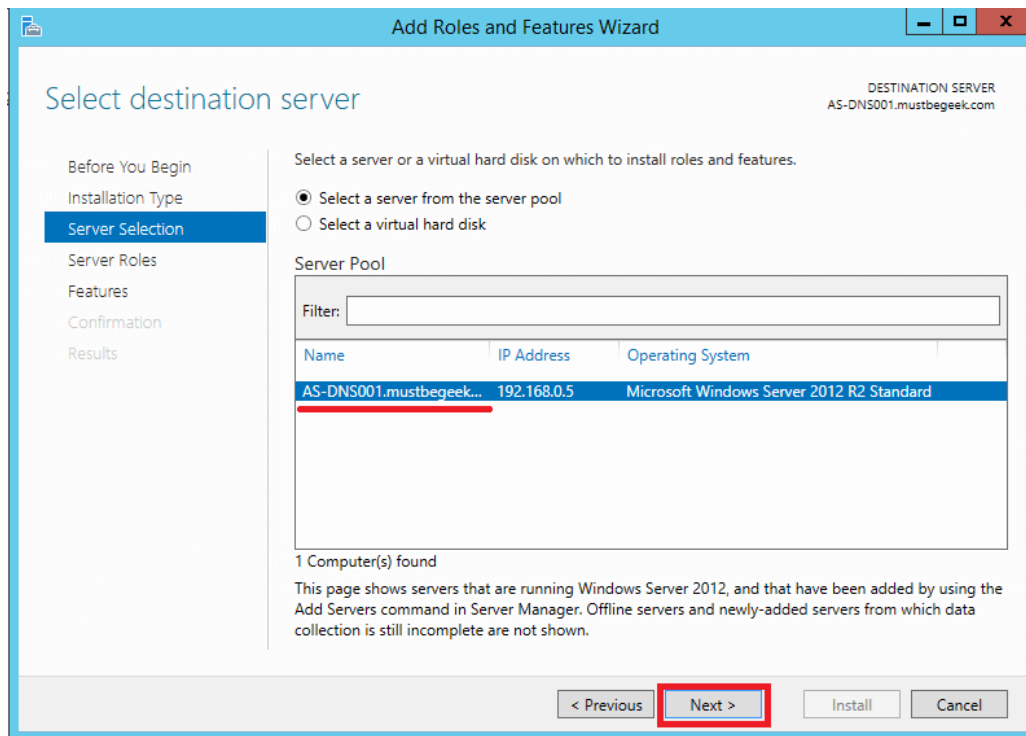## Lab 3: Configuring DNS Service in Windows Server

1. Opening **Server Manager** console and selecting **Manage > Add Roles and Features.**
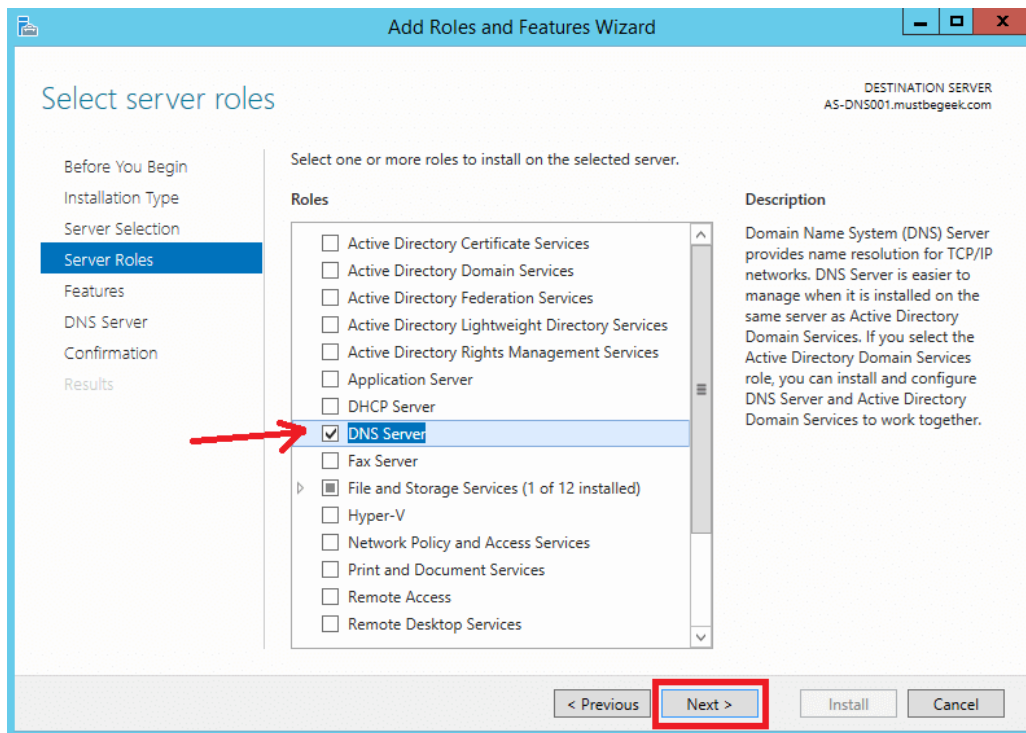

2. Selecting **Role-based or feature-based installation** and clicking the **Next** button.
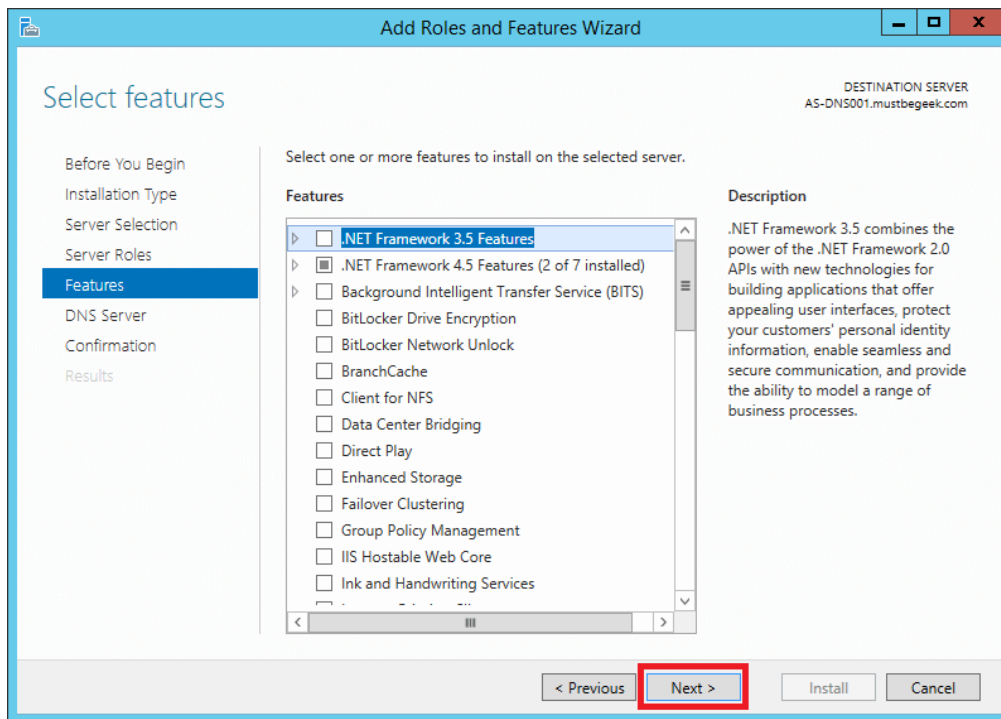
3. On the server pool selection, ensuring the local server is selected, then clicking **Next**.
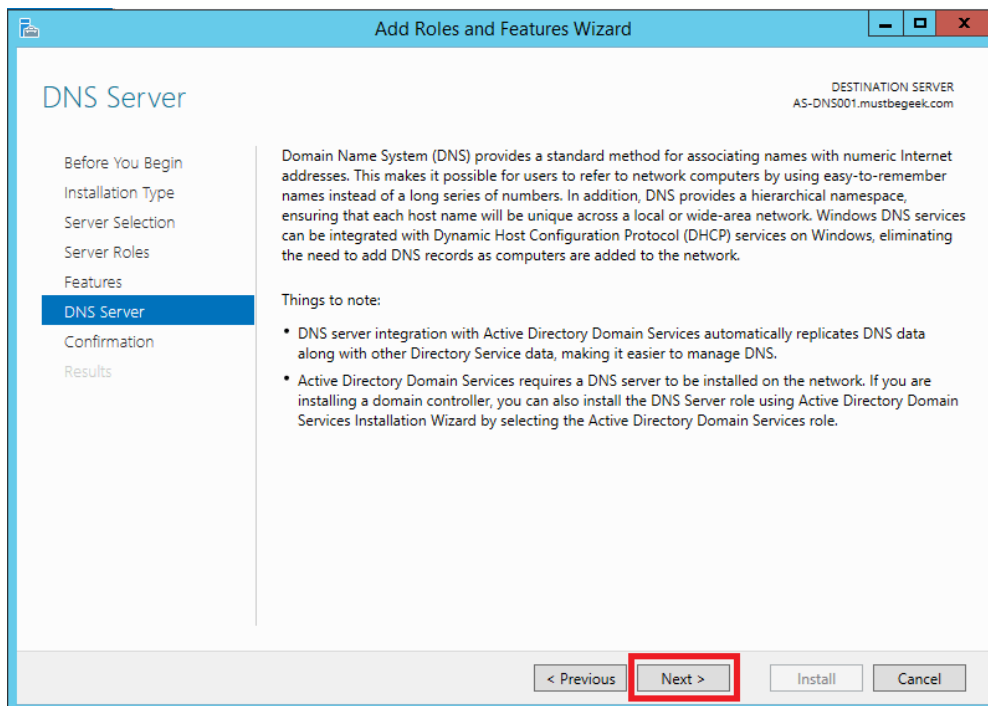

4. On the server roles selection, ticking the checkbox for **DNS Server** role.
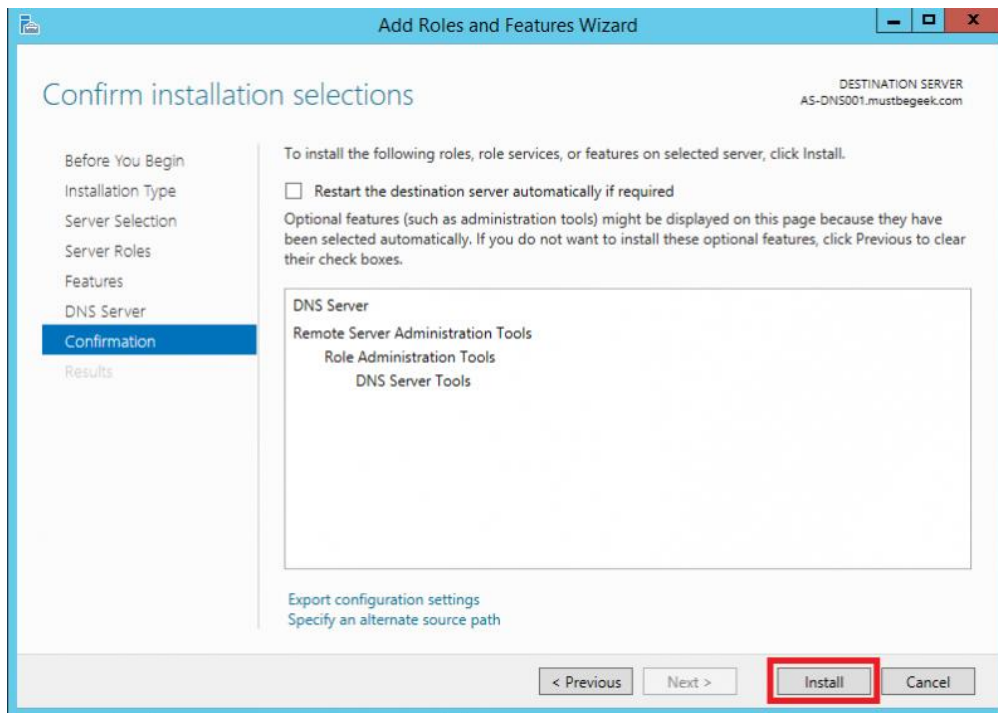
5. On the features selection, clicking **Next**.

6. Reading the summary about DNS Server then clicking **Next** to continue.

7. Confirming the installation summary then clicking **Install** button to proceed.

8. The progress bar showing the DNS Server role installation will start, clicking **Finish** when it is completed.