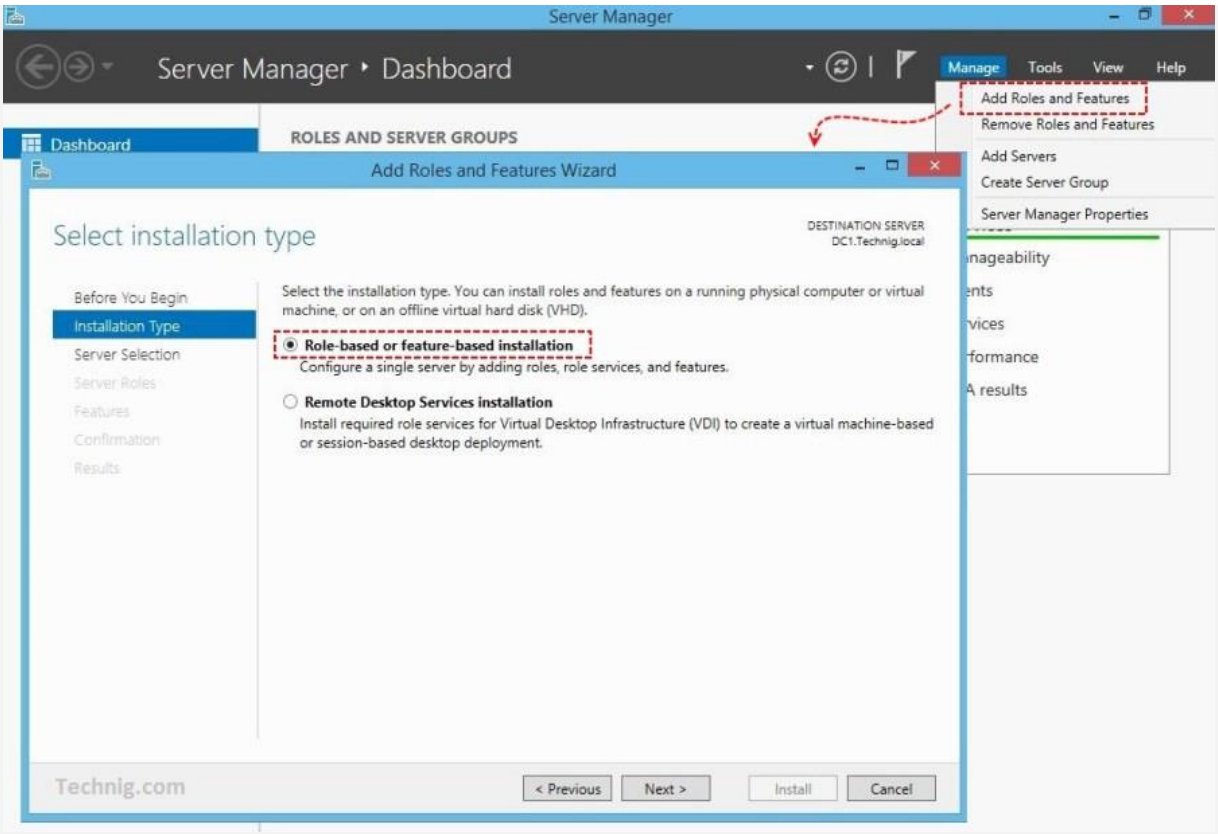
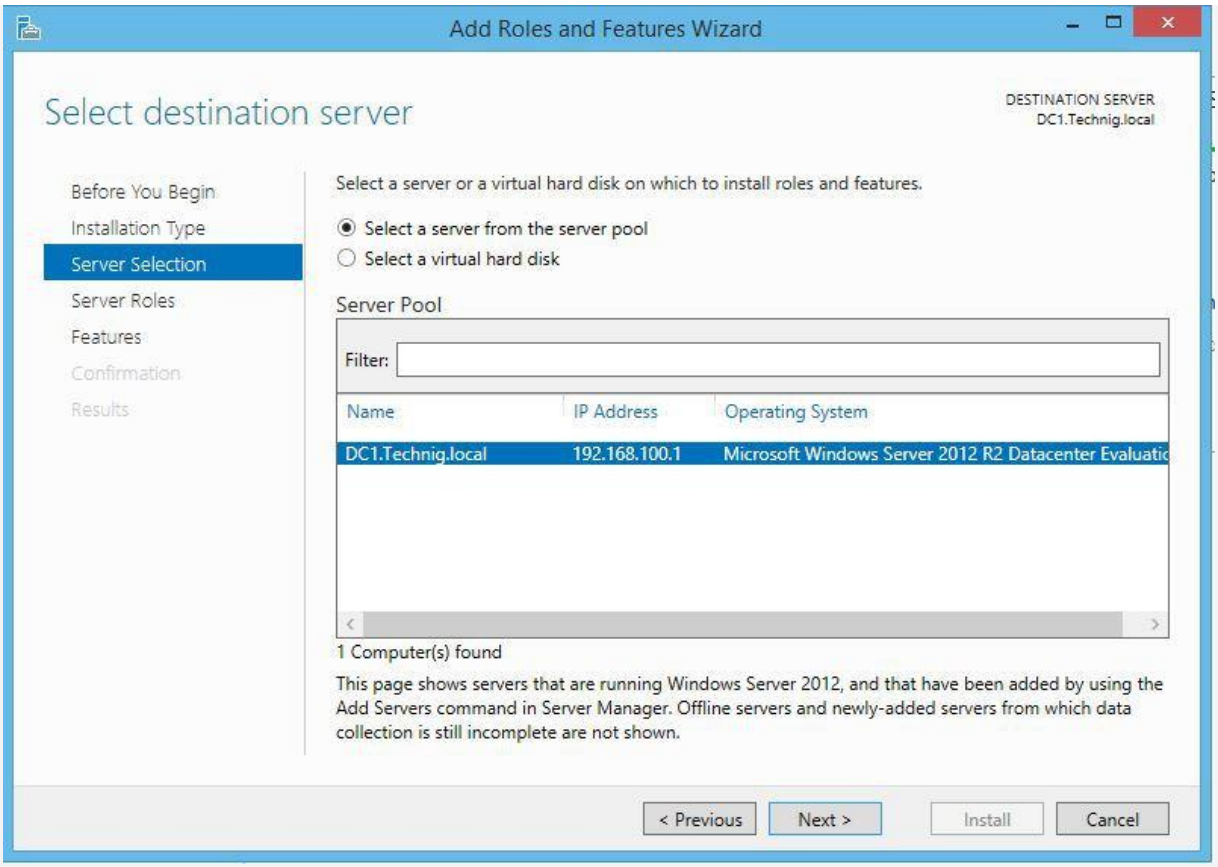
Install and Configure DHCP Server Role

To install DHCP Serve go to **Dashboard** on **Server Manager** and click **Manage** then click **Add Rules and Features**.



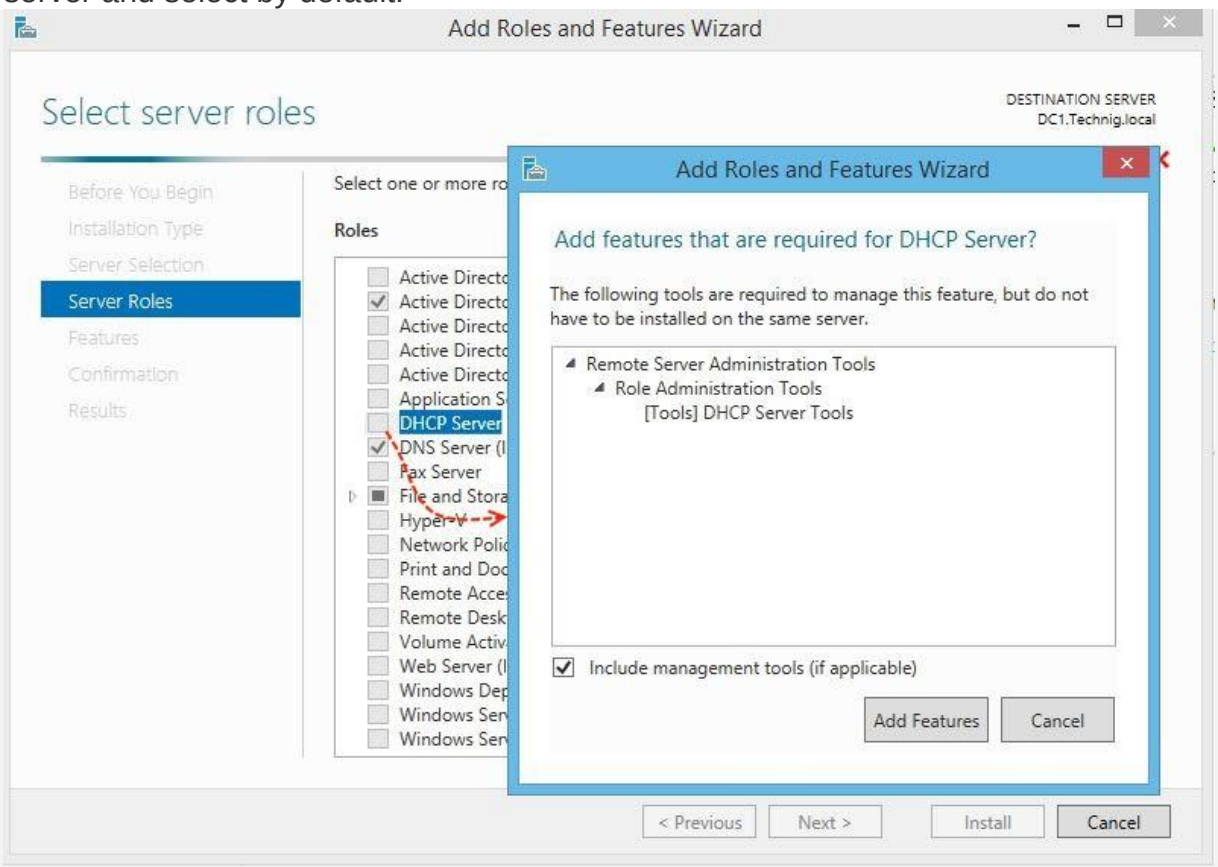
Server Manager Dashboard

In the Role installation window select **Role-based or feature-based installation** the click **Next**.



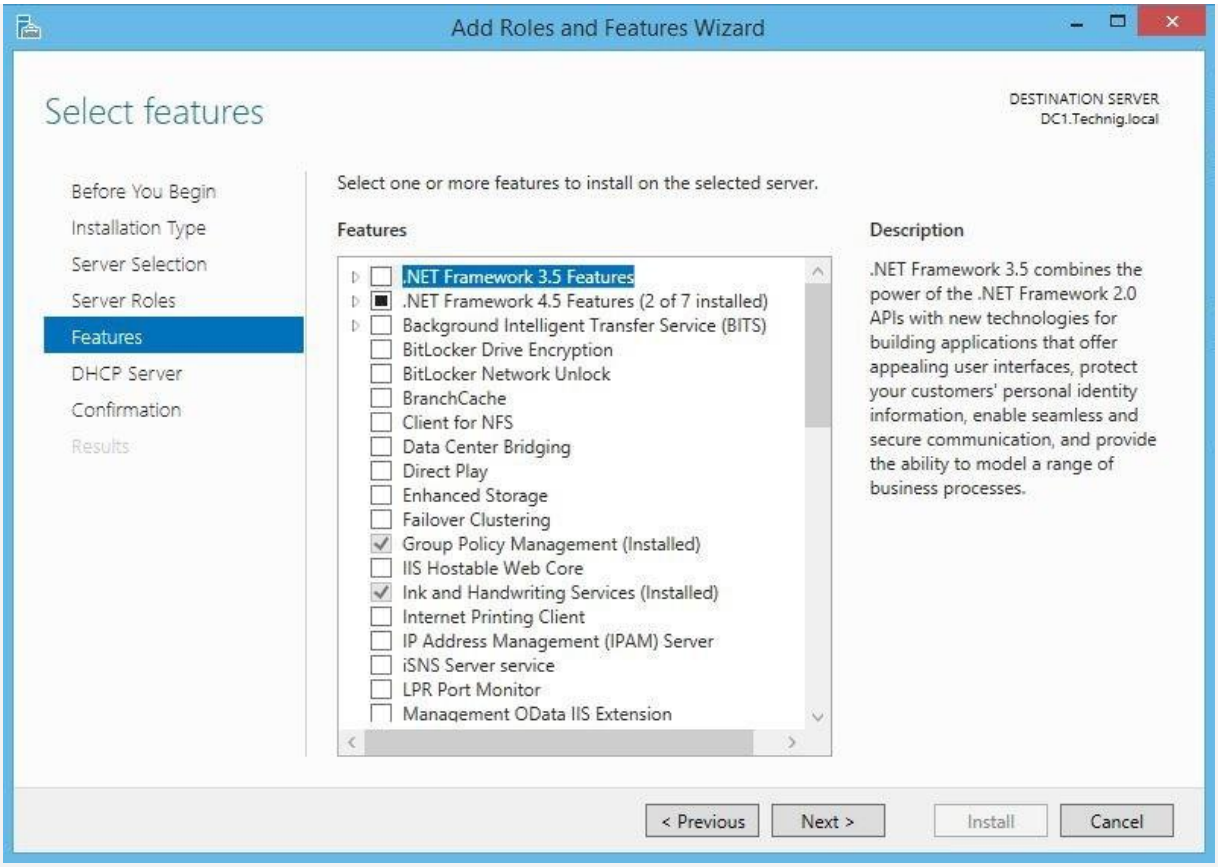
DHCP Server Destination Server

Select the Server you want to install DHCP from the **Server pool**. Here we have one server and select by default.



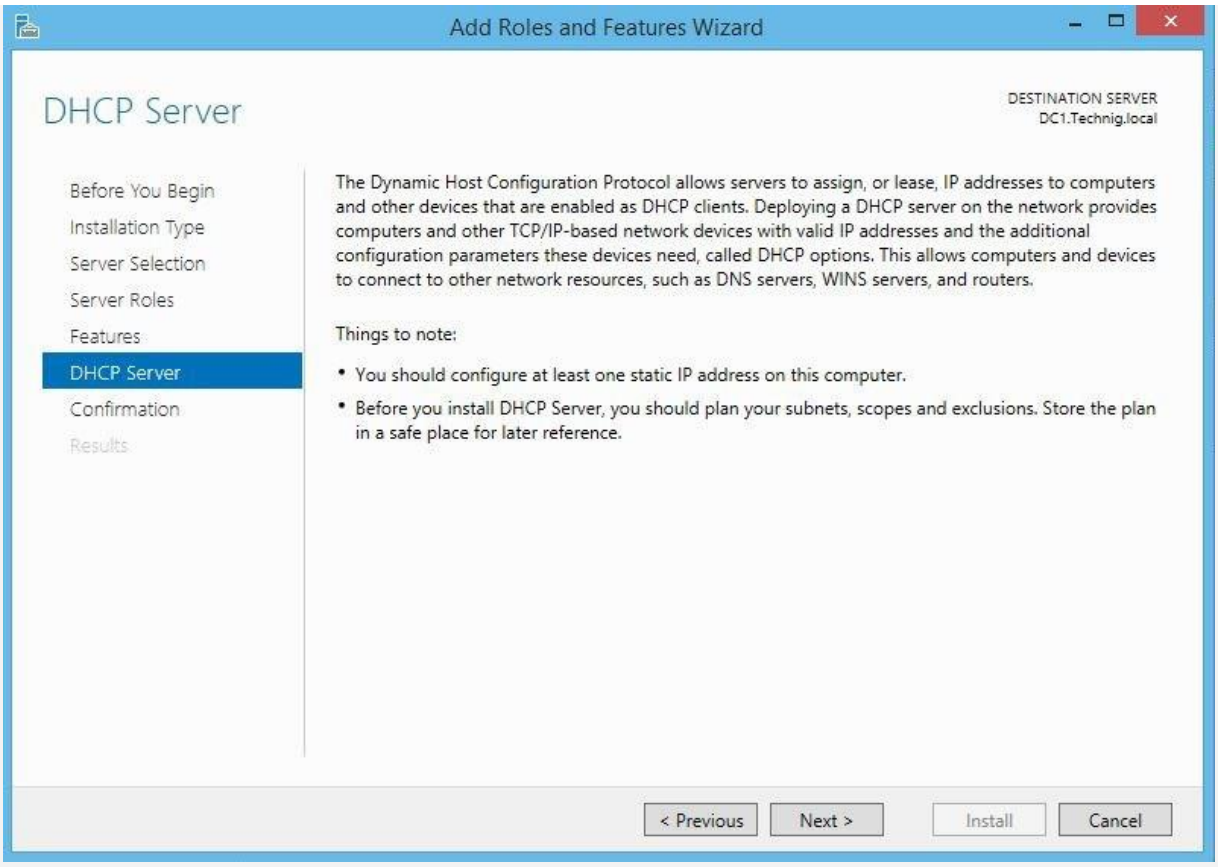
Add DHCP Server Role

From the Roles list select DHCP Server. When the Add Roles and Features Wizard Page opened, click **Add Features** then Click **Next**. This will install required features for DHCP Server.



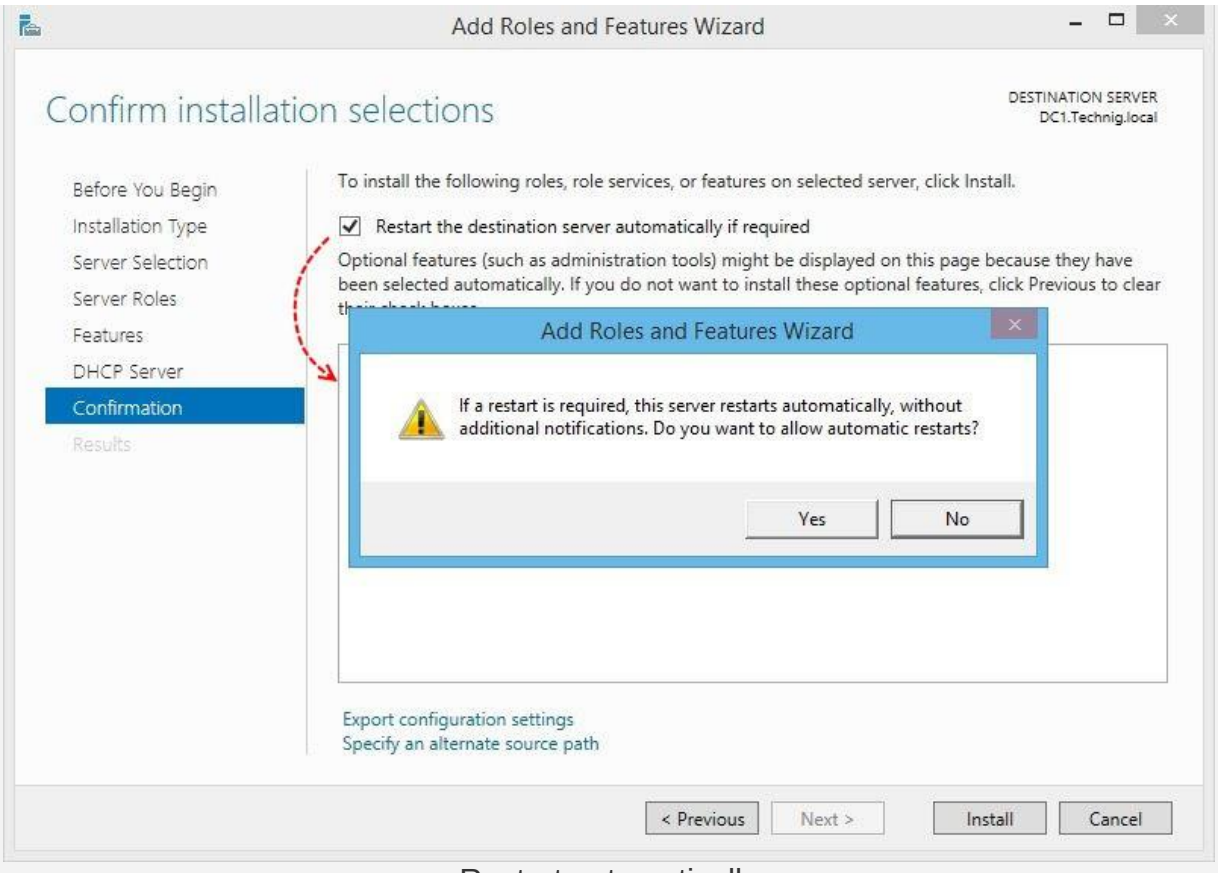
Windows Features

In the Features window don't change anything, just click **Next**.



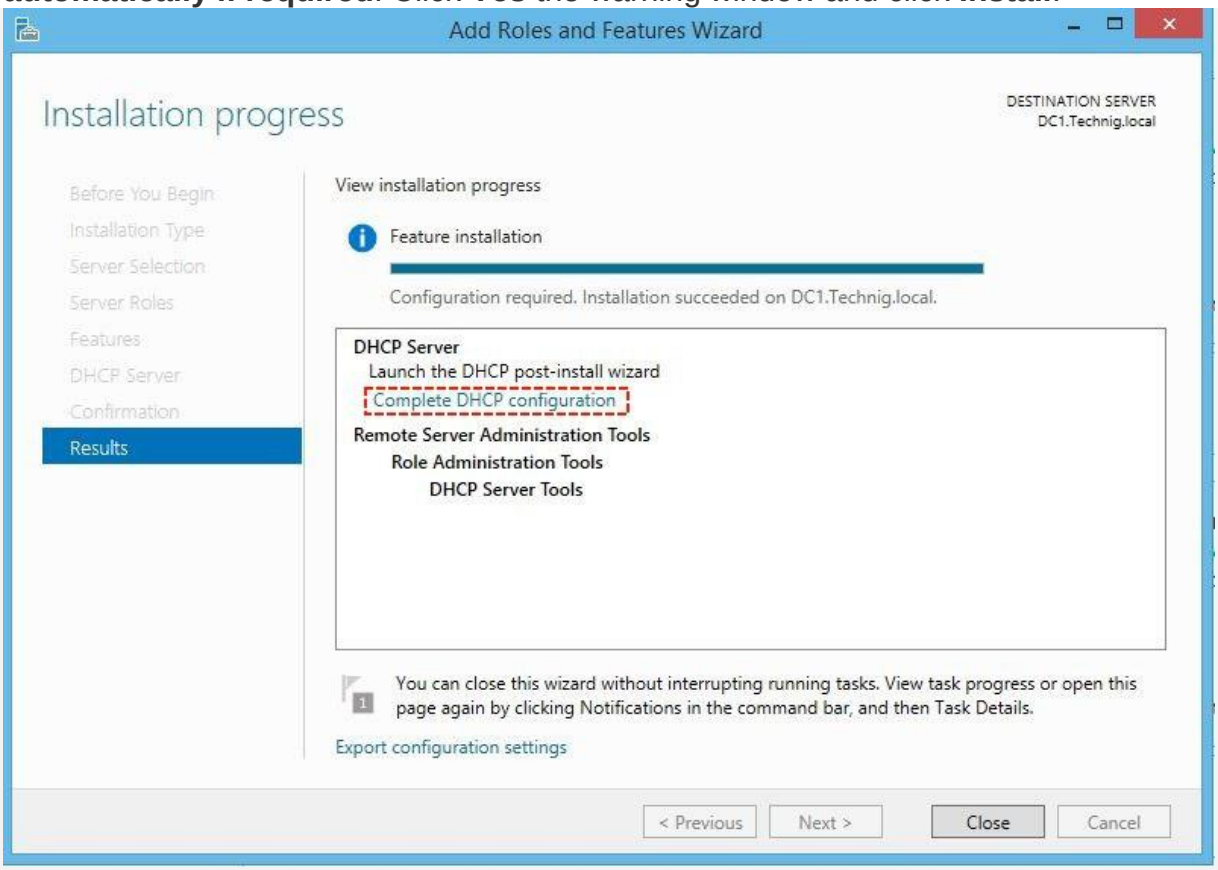
DHCP Server Information

Once read the information about DHCP Server and click **Next** button.



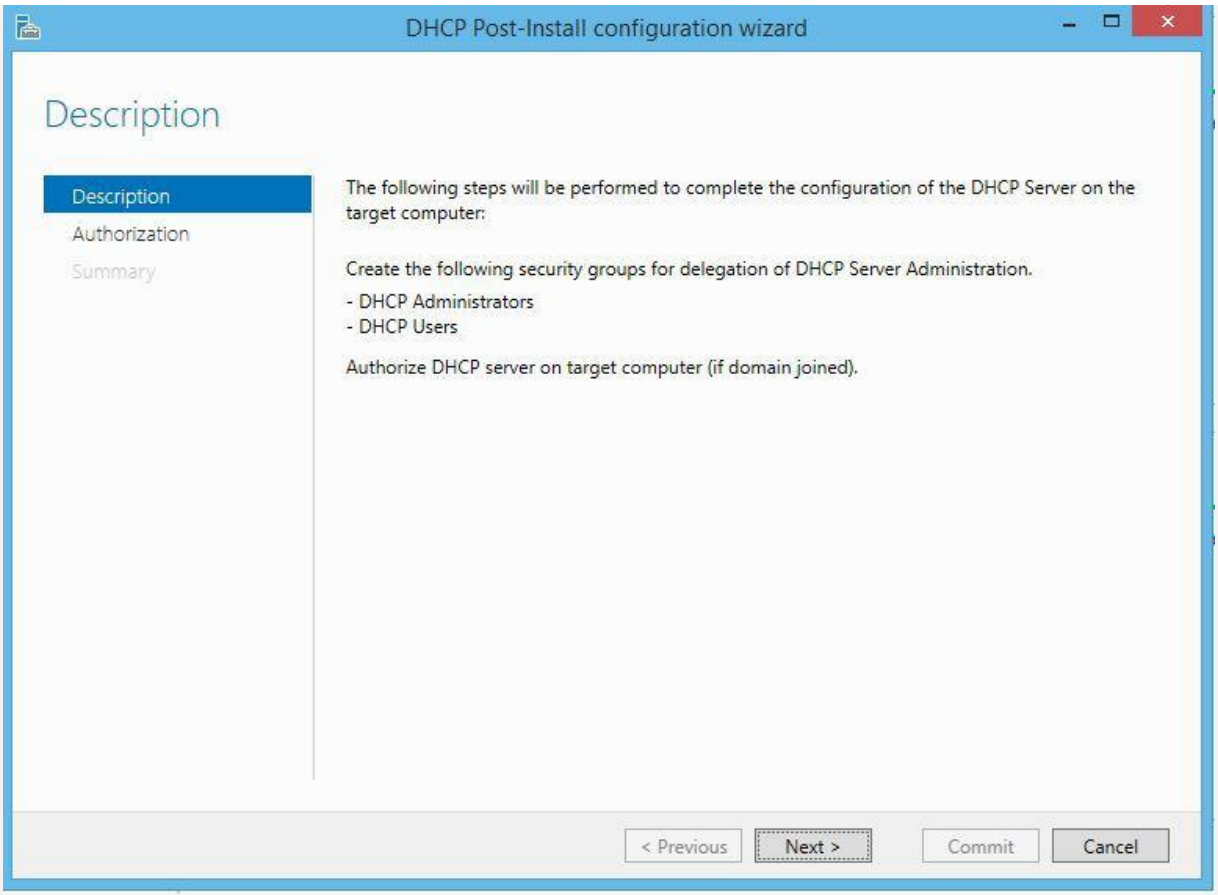
Restart automatically

In the **Confirm installation** page, select **Restart the destination server automatically if required**. Click **Yes** the warning window and click **Install**.



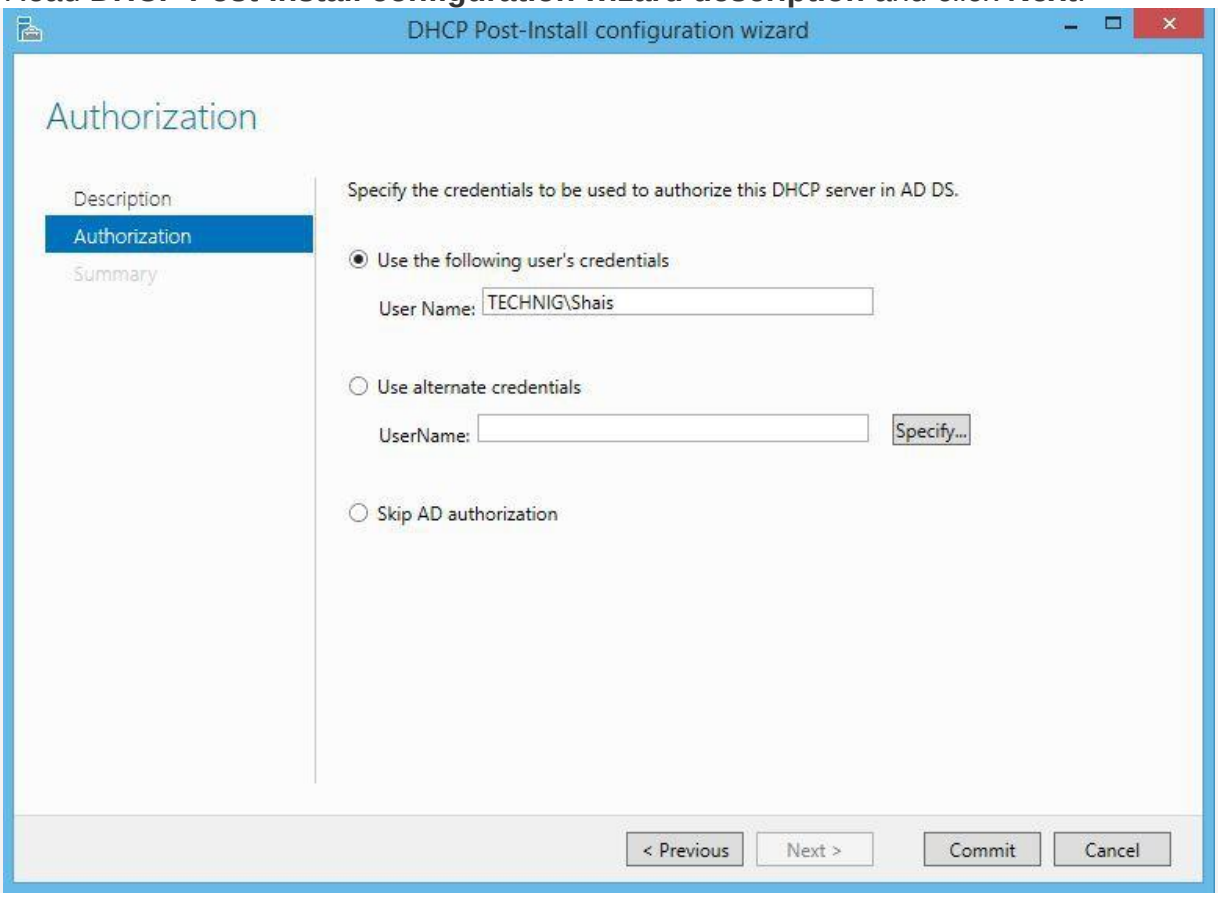
DHCP Installation Process

The installation will take a minute, when it has complete successfully click **Complete DHCP Configuration** link.



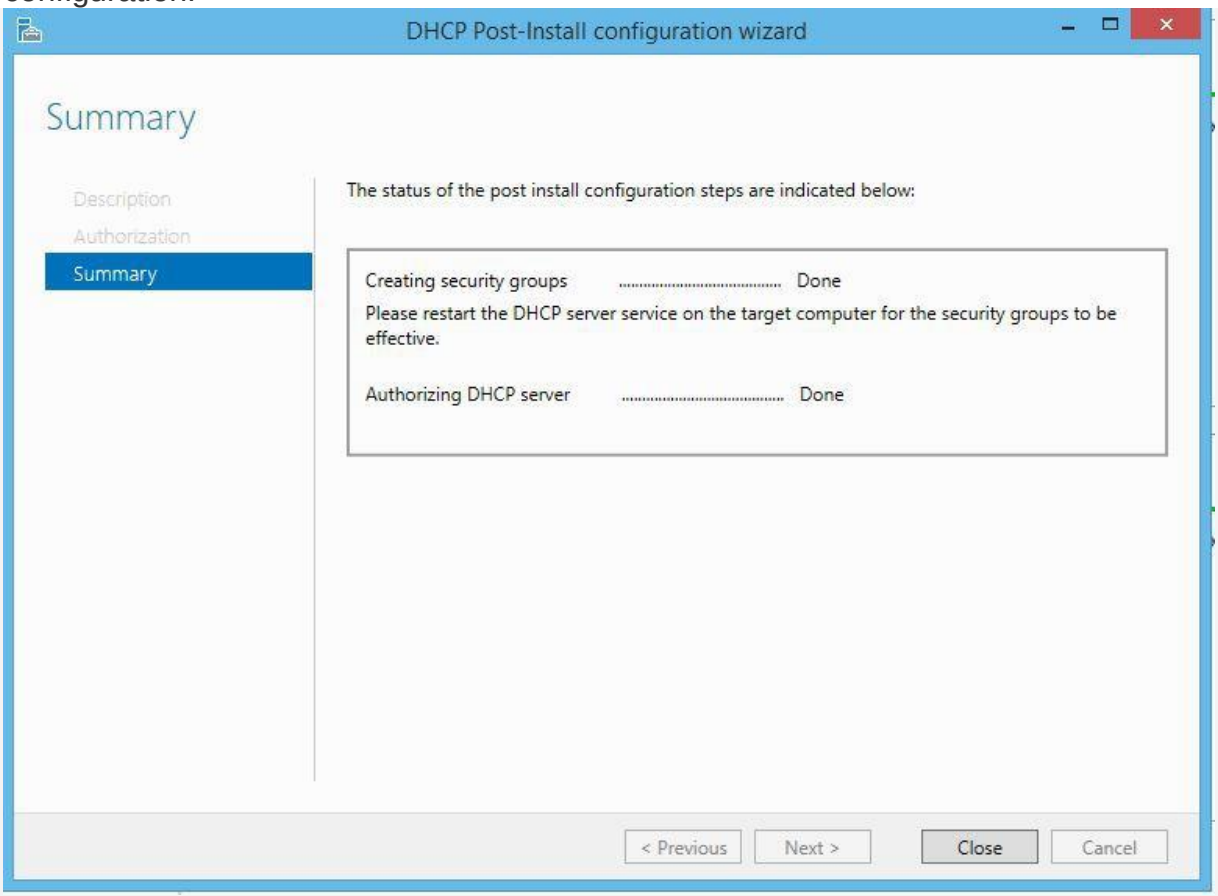
DHCP Post-Install

Read **DHCP Post-Install configuration wizard description** and click **Next**.



DHCP Authorization

Set the appropriate user for management of DHCP Server. Here I leave it by default, because the administrator (**Shais**) has the right privilege to perform DHCP Server configuration.

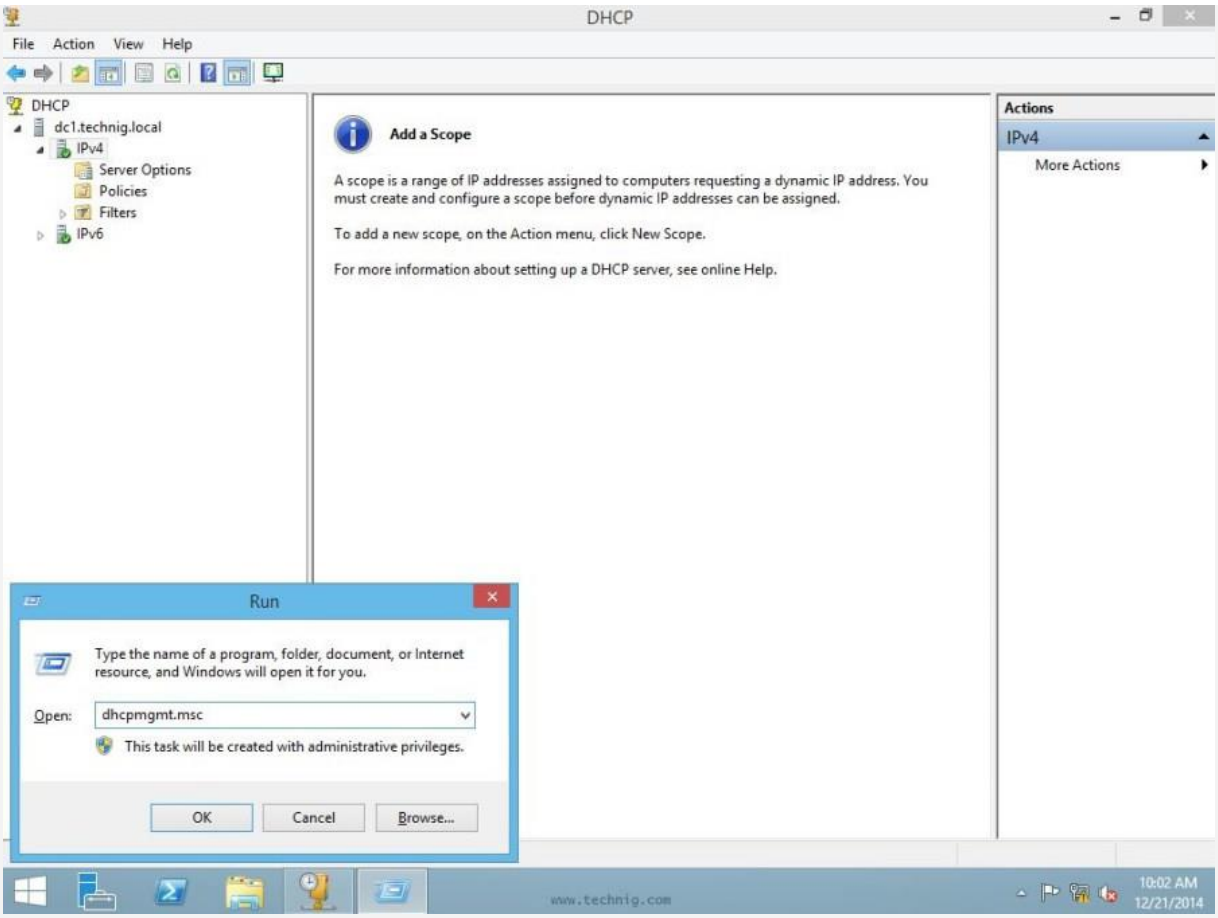


DHCP Summary

On the **DHCP summery** window click **Close** and close the DHCP Installation page also.

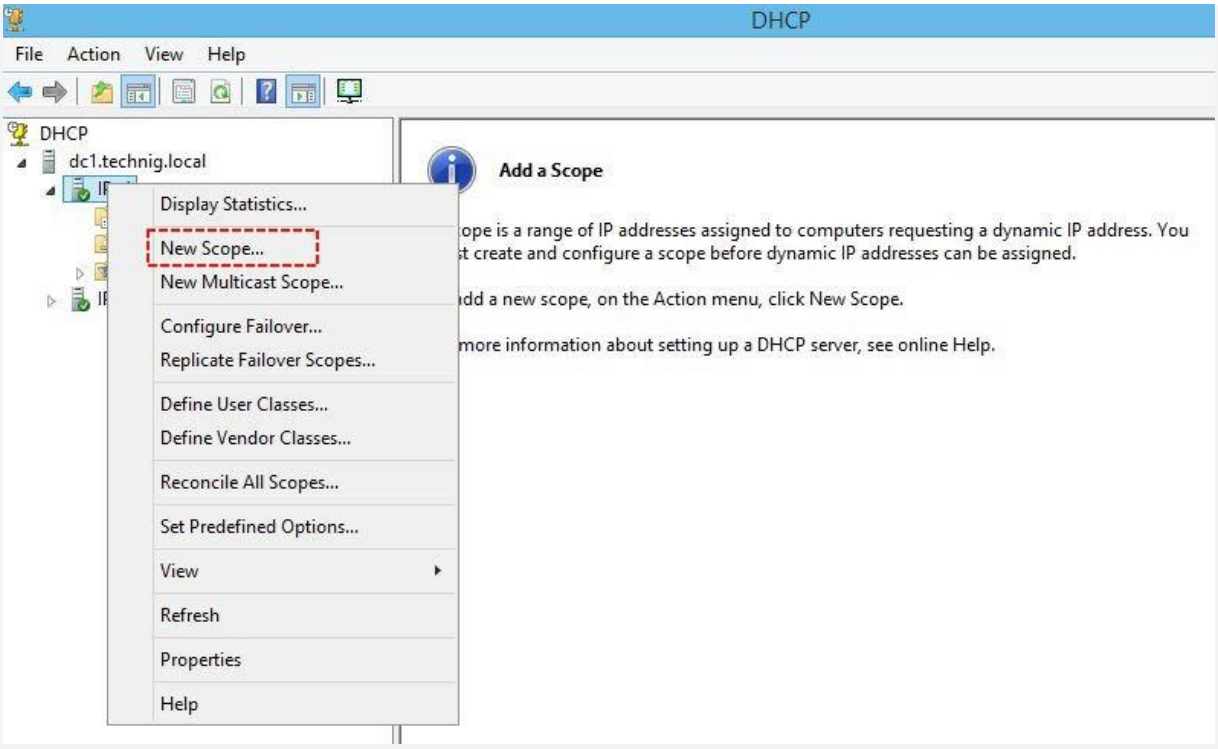
2. Configure DHCP Server and Create Scope

Now try to configure the installed dhcp server and create Scope to lease IP address for clients.



DCHP Management Console

Type **dhcpmgmt.msc** in Windows Run and press **enter** to open DHCP management console.



Create New Scope

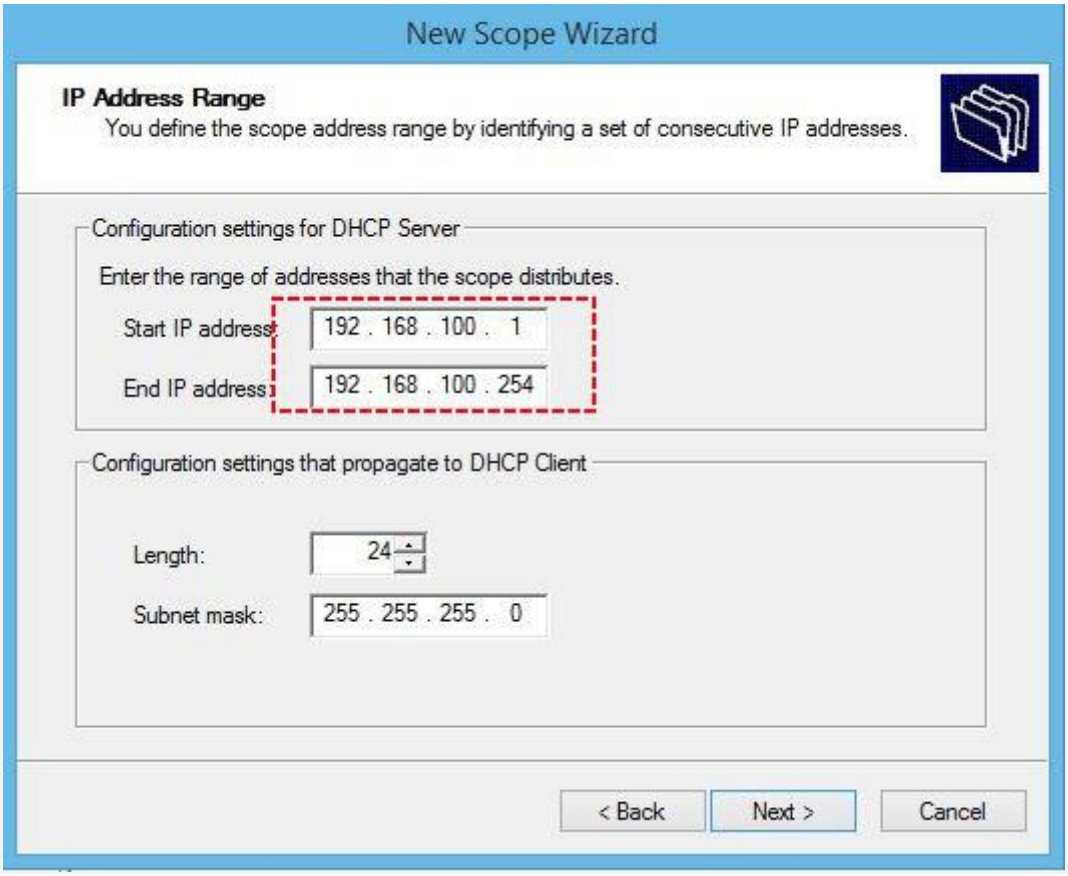
On DHCP console window expend the **domain name** and **IPv4**. Right click the **IPv4**the click **New Scope**.

New Scope Wizard

Click **Next** on the **New Scope Wizard** page.

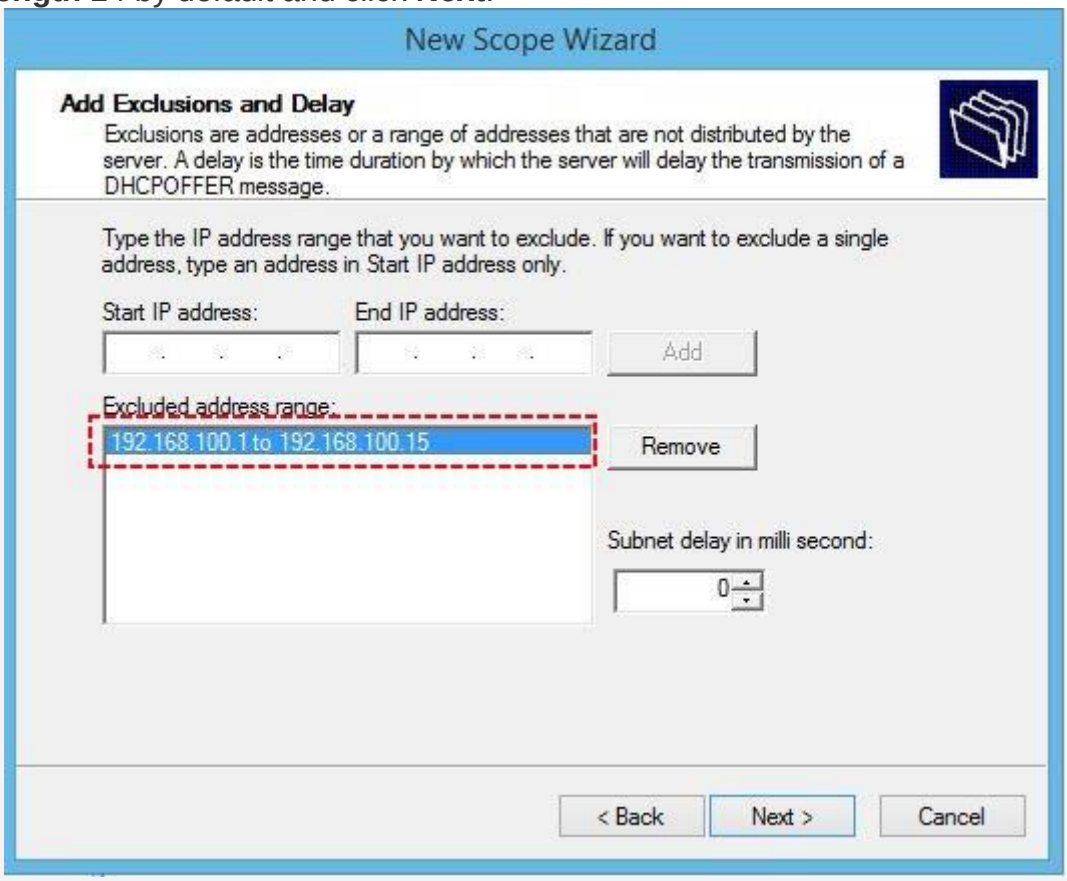
Scope Name and Description

In the **Scope name** define the name of Scope and write any **description** then click**Next**.



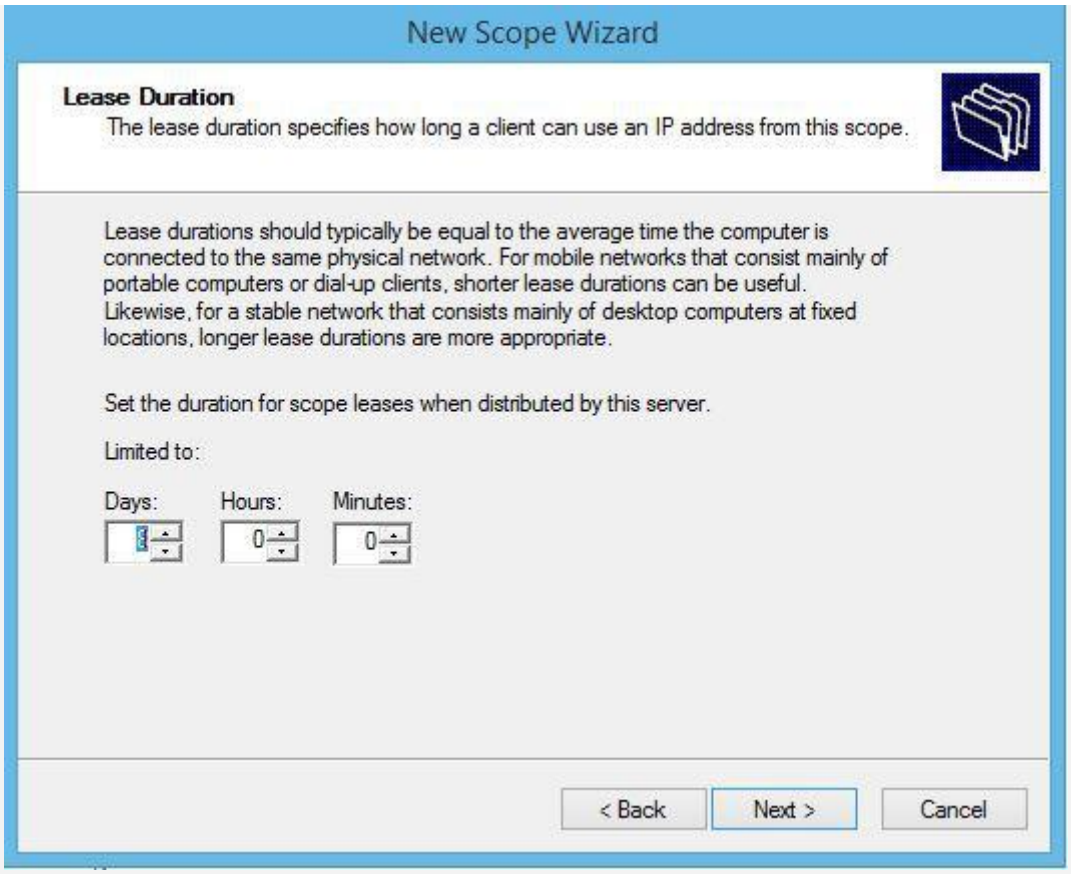
IP Address Range

Assign the **start IP address** range and the **end IP address** range. I have set from**192.168.100.1** to **192.168.100.254** which is a class C IP address. Leave the **length** 24 by default and click **Next**.



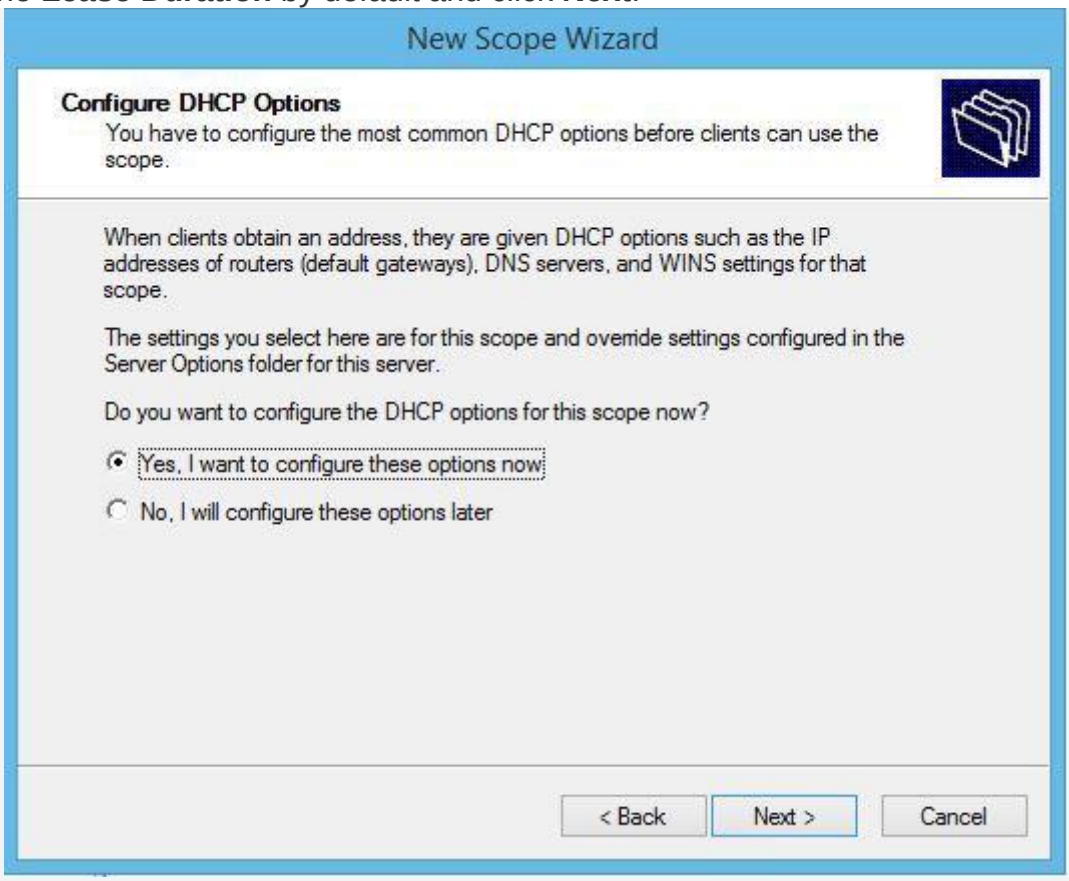
Add Exclusion

Add the exclusive range prevent them from leasing to client by DHCP Server. The IP address range which reserved are used for Network Servers and popular workstation. Here I add **192.168.100.1** to **192.168.100.15**. Just set the **IP address** and click **Add**button then click **Next**.



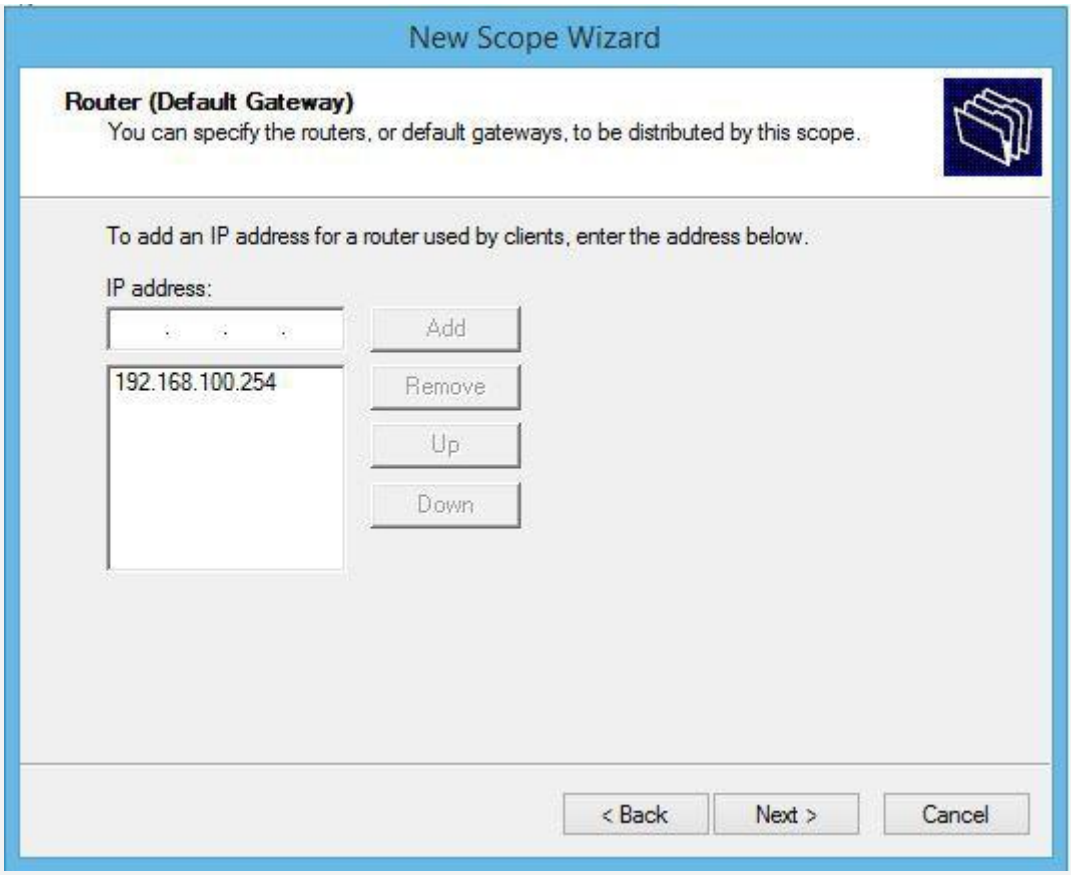
DHCP Lease Duration

Let the **Lease Duration** by default and click **Next**.



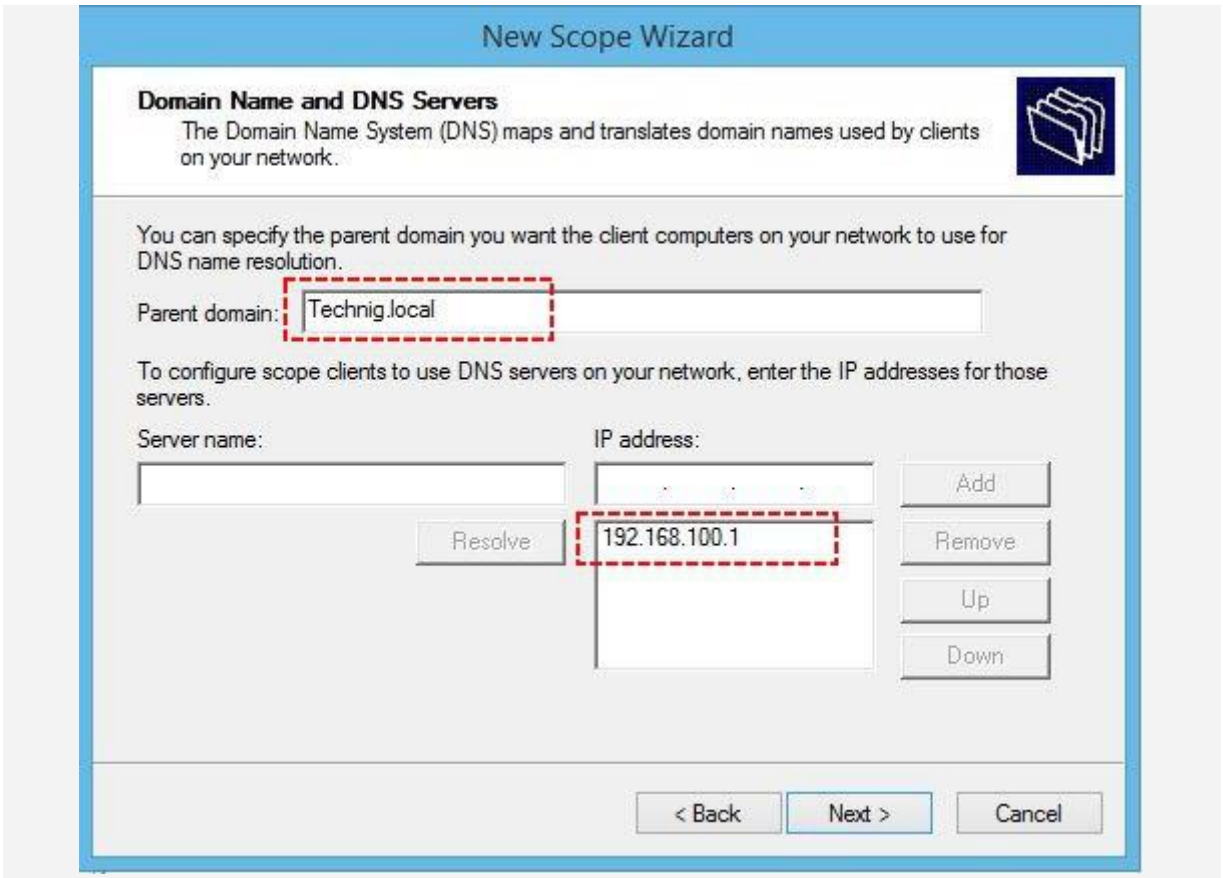
Configure DHCP Options

Only click **Next** the **Configure DHCP Options** and **Yes**, **I want to configure this option now** must be checked.



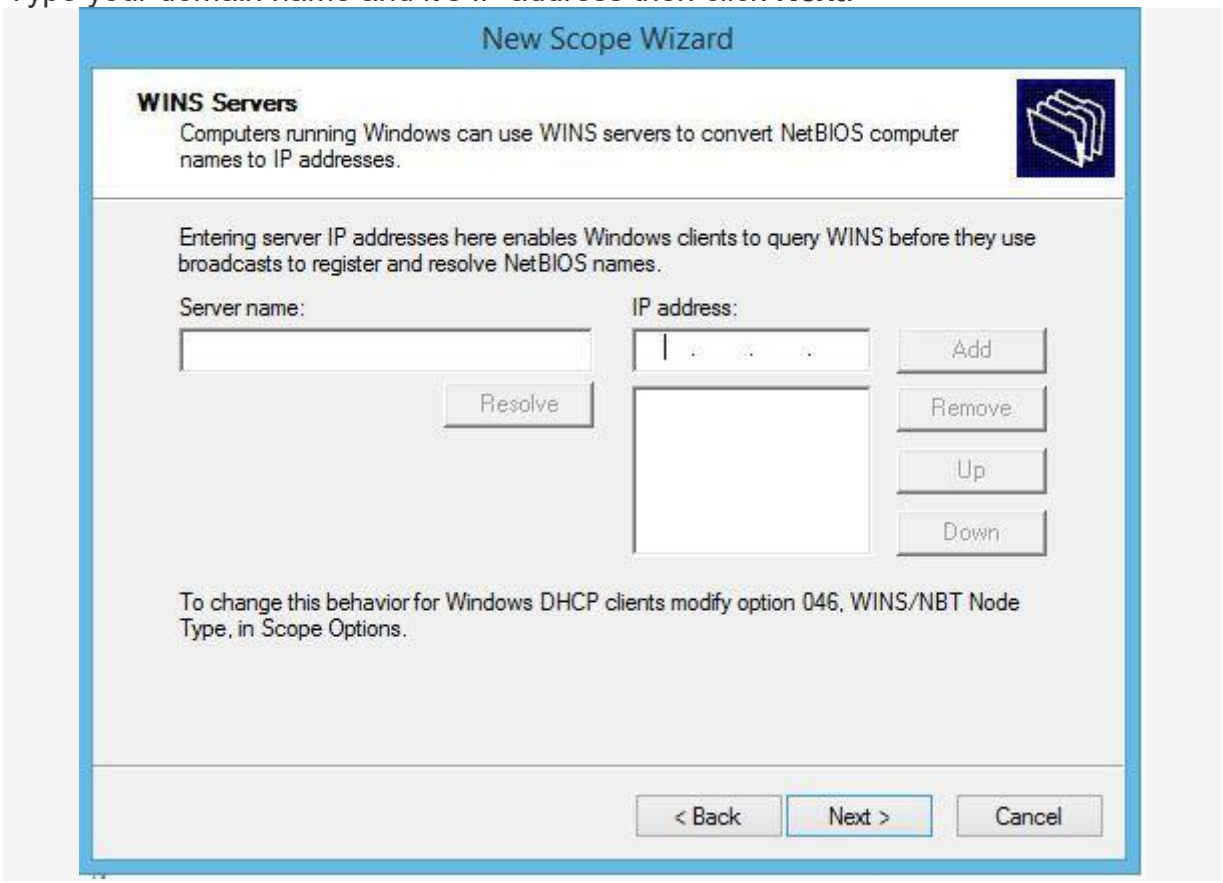
Router IP Address

If you have router in your network, set the router IP address and click **Add** button then click **Next**.



Domain Name and DNS Server

Type your domain name and it's IP address then click **Next**.



WINS Servers

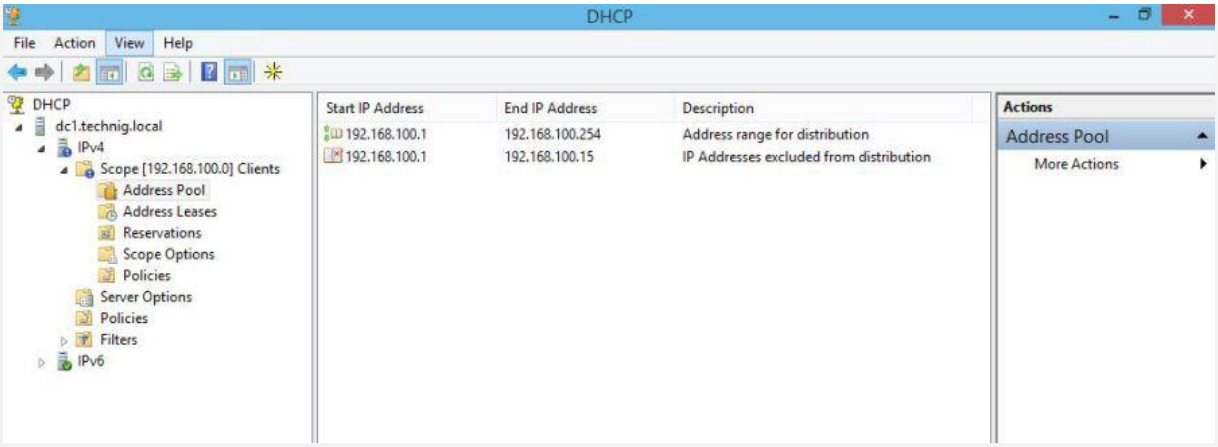
Do nothing for **WINS Servers**, because we don’t use WINS Server ether. Just click**Next**.

Active Scope

In **Active Scope** windows click **Next**. Be sure the **Yes, I want to active this scope now** must checked.

Completing the New Scope Wizard

Finally click **Finish** to close and complete the installation of DHCP Server in Windows Server 2012 R2.



DHCP Server

Now you can assign IP address to your network clients automatically trough this DHCP Server.

How to Install DHCP Server on Windows Server 2016?

If you don’t like to read more details, just watch this simple lab manual to install and configure DHCP Server on your Windows Server.