

Windows Active Directory

Add a client to a domain

The steps mentioned in this document can be performed on any Windows 7/10/11 or Windows Server operating system.

Once you have deployed a new forest and a new domain, next step is to add the clients to the domain. This helps you manage the computers and users from a centralized location (Domain Controller).

Prerequisites :-

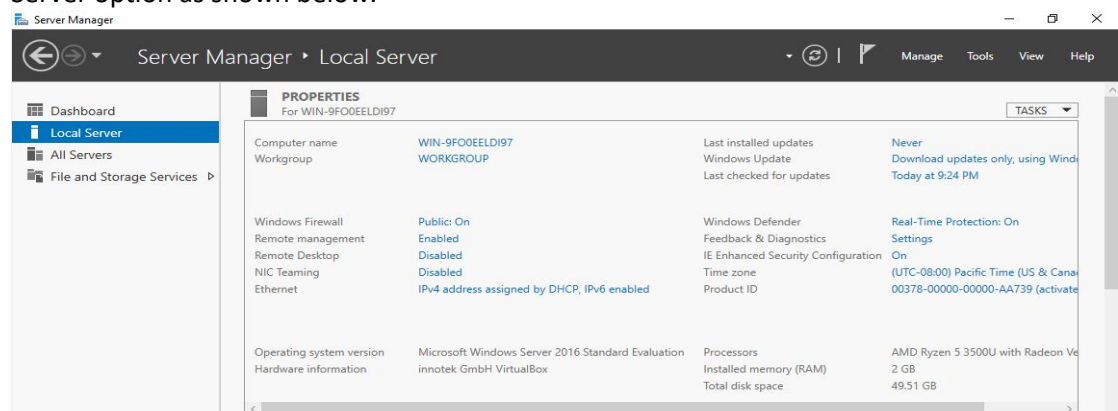
1. A Windows machine with any Windows installed either on physical server or on a virtual machine. For this document Windows Server 2016 Evaluation version is used.
2. An existing forest and a domain with its domain controller up and running.
3. Basic knowledge about Windows Active Directory and its terms like Forest, Domain, Domain Controller, Additional Domain Controller etc.

Steps:-

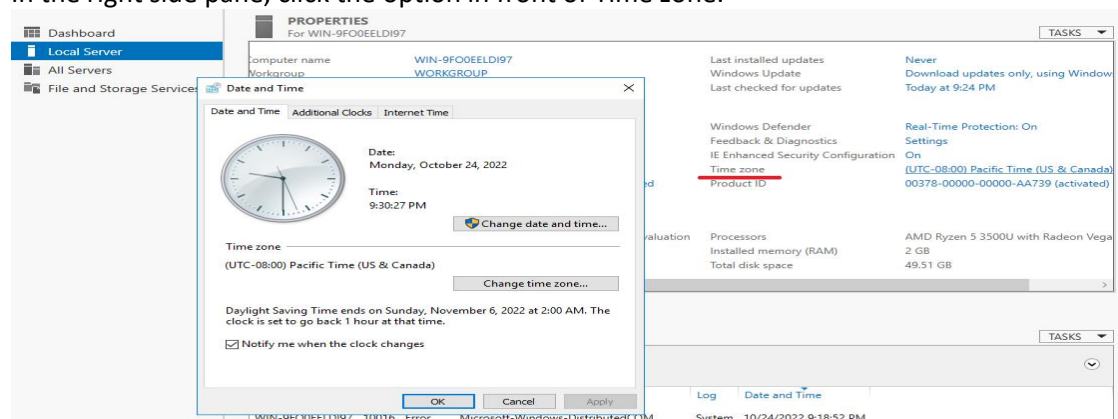
1. Post install configuration of Windows Server.

A. Set the correct time zone.

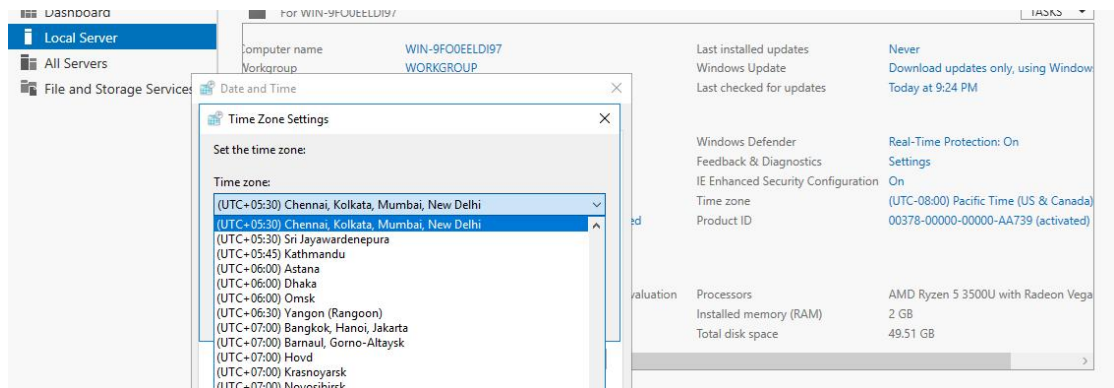
In the Server Manager window that opens when the server starts, click the Local Server option as shown below.



In the right side pane, click the option in front of Time zone.



On the new window that opens click the Change Time one button. In the new window that opens, use the drop down list to select appropriate time zone.



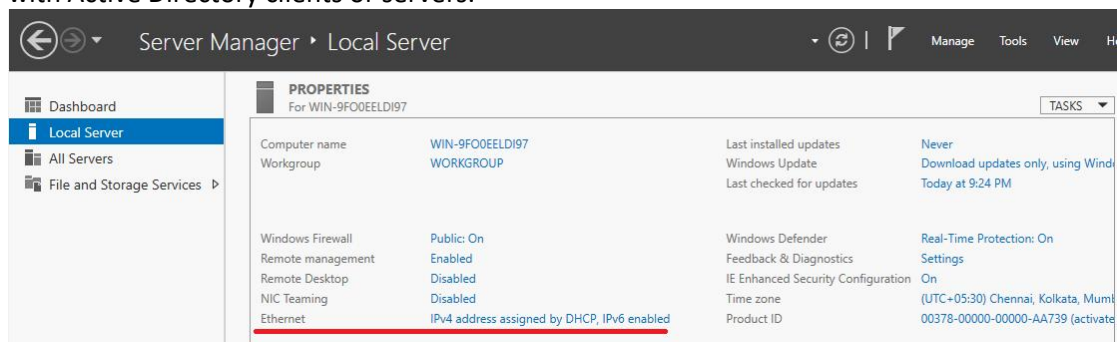
Click Ok. After you select the time zone, the time displayed will change. Make sure the time displayed is the current time displayed as per your location. Click OK to close the window.

If the selected time zone is not shown in the Server Manager in front of Time zone option, click refresh button to refresh the Server Manager window.

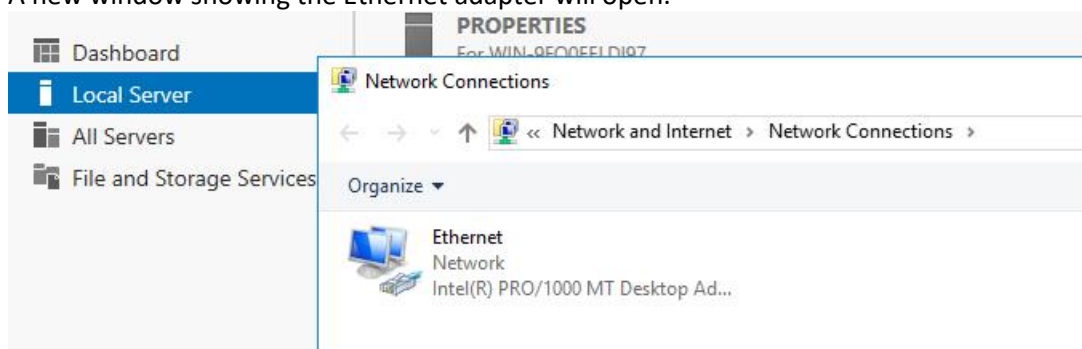


B. Set the IPv4 address

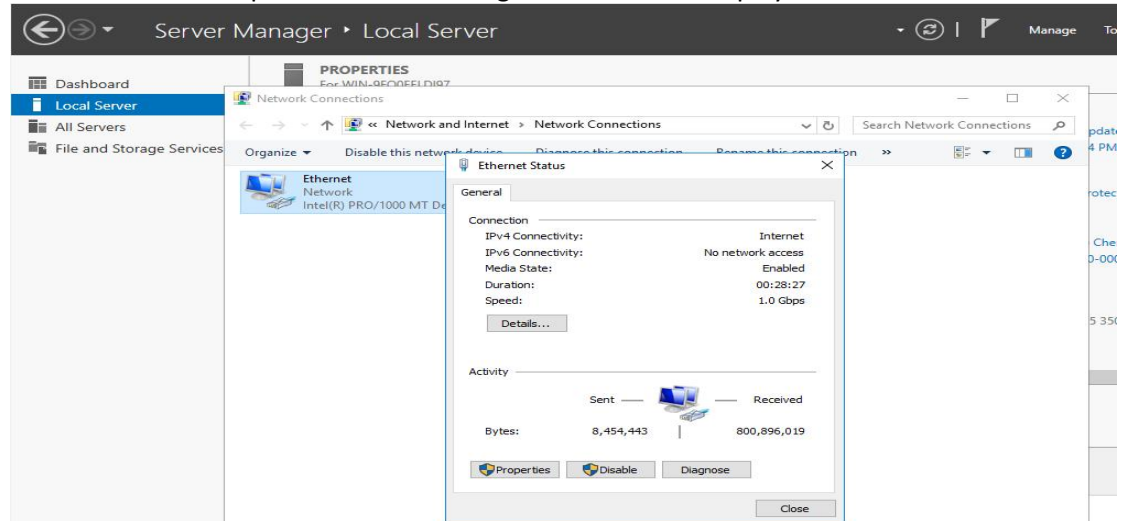
To set manual IPv4 address to the server, click the option in front of Ethernet in the Server Manager Window as shown below. If multiple adapters are attached then there will be multiple entries. Select the adapter that will be used to communicate with Active Directory clients or servers.



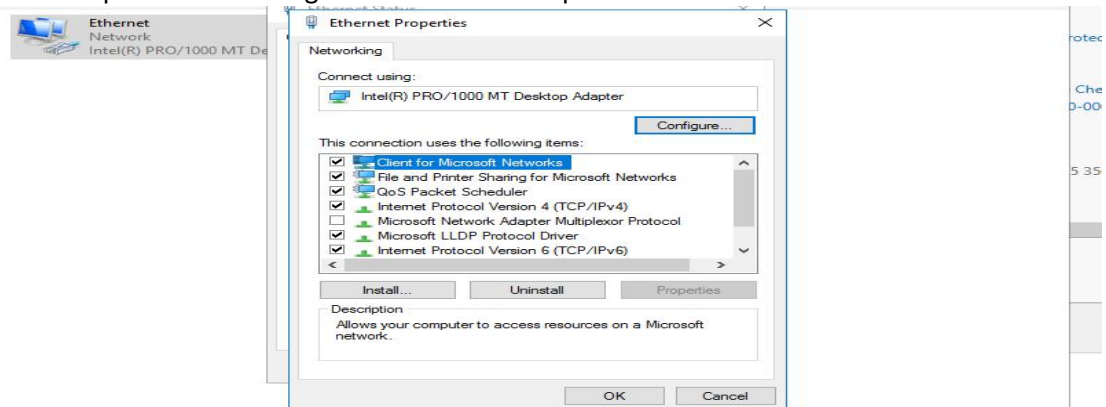
A new window showing the Ethernet adapter will open.



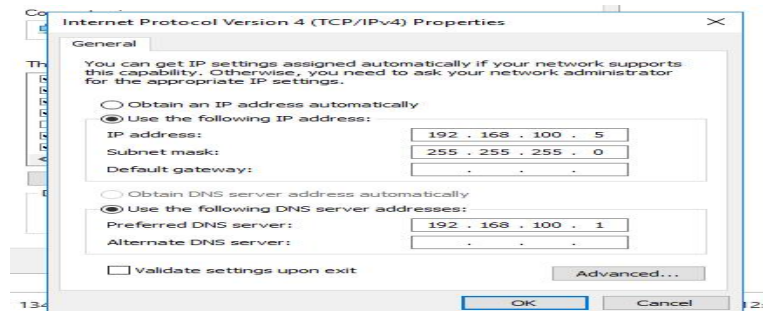
Double click the adapter name. Following window will be displayed.



Click Properties button. Again a new Window opens as shown below.



In that window double click the **Internet Protocol Version 4(TCP/IPv4)** option. A new window is displayed. Select the Use the following IP address option. Then provide the required IP address and subnet mask. For Lab purpose default gateway and DNS server configuration is not required. Click OK.



Then click OK on earlier windows and close all the windows opened. Do not close the Server Manager window.

Again if the given IP address is not displayed in the Server Manager window, Click the refresh button.

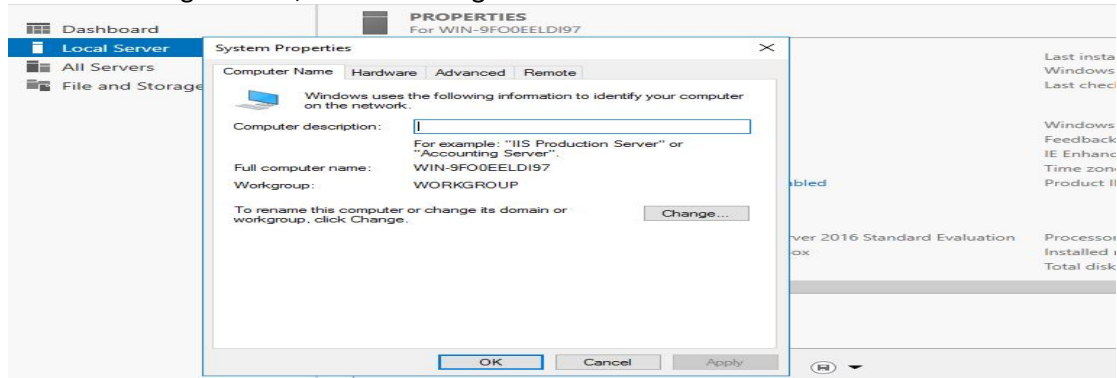
C. Set a computer name for the server.

After this step, you need to restart the server.

To assign a computer name to the server, in the Server Manager click any option - Computer Name or Workgroup. It will open the same window.

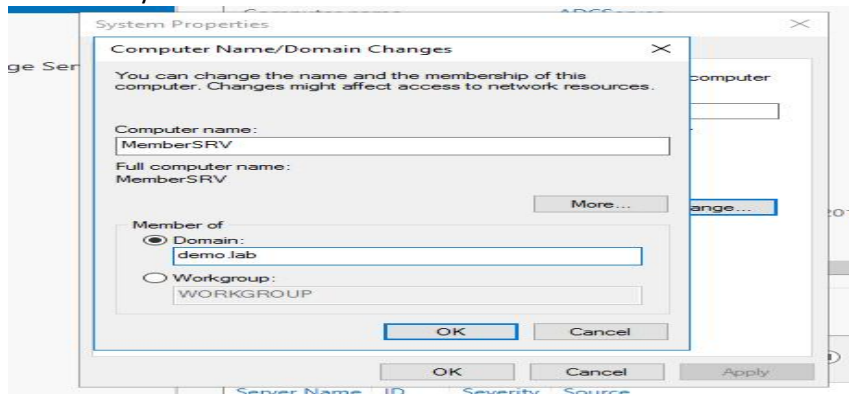


In the following window, click the change button.

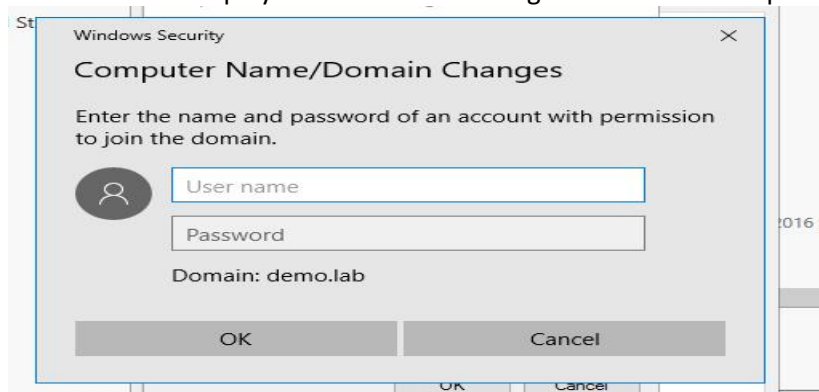


This will open following window.

In the Computer Name field specify a name for this server. Click the Domain option. In the field enter your domain name as shown below.

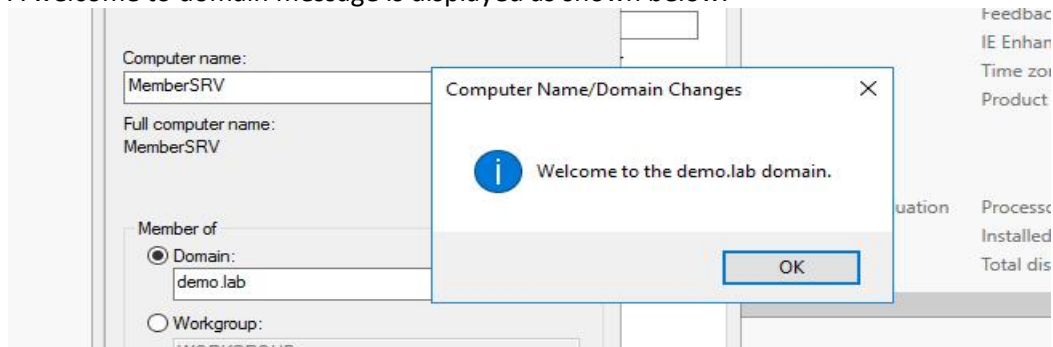


Click OK. It will display a new window asking for username and password.



Please enter the administrator username and password of the main DC. Click OK.

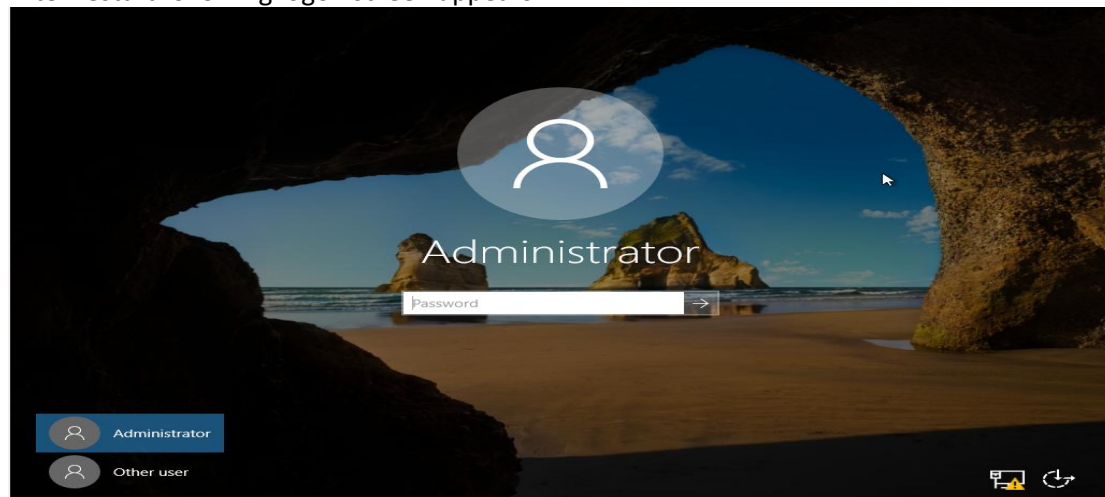
A welcome to domain message is displayed as shown below.



Click OK.

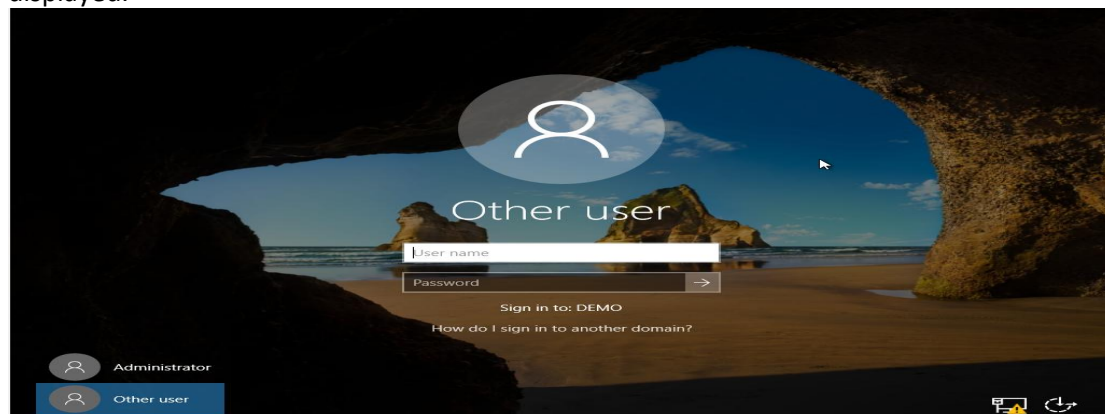
A restart warning is displayed. The server restart option will be displayed. Click Restart Now and restart the server. This will bring the new computer name in effect and add the server to the domain as member.

After restart following logon screen appears.



If you logon directly as Administrator, it will be a local login. However you will not be able to access domain computers. You will get a username and password prompt.

To logon to domain, click the Other User option on the screen. The following screen is displayed.



Now enter the username in the following format to logon to domain.



Make sure the domain name is shown in the **Sign in to** option below the username and password field.

This is how you have successfully added a server as a member server to the domain. This server is now domain member in the domain demo.lab.