**Objectives**

* Download and install Windows server 2022
* Prepare Windows server 2022

1. Download and install Windows server 2022 in VMware workstation Pro. Use the following link and document the steps in detail

<https://www.itechtics.com/download-windows-server-2022/>

**Note: Install Windows server 2022 Standard evaluation (Desktop experience). Never use Core Edition of Windows server 2022**

**After installing Windows server 2022, take a snapshot and call it “Before installing Active directory”**

|  |  |
| --- | --- |
| **Choose you iso** | **Graphical user interface, text, application  Description automatically generated** |
| **Chose the version** | **Graphical user interface, application  Description automatically generated** |
| **Click next** | **Graphical user interface, application  Description automatically generated** |
| **Click finish** | **Graphical user interface, application, Word  Description automatically generated** |
| **Click next** | **A screenshot of a computer  Description automatically generated** |
| **Install now** | **A screenshot of a computer  Description automatically generated** |
| **Chose the second choice** | **A picture containing text, screenshot, monitor, screen  Description automatically generated** |
| **Accept and next** | **A picture containing text, screenshot, monitor, screen  Description automatically generated** |
| **Chose custom and next** | **A screenshot of a computer  Description automatically generated** |
| **Wait until finished installation** | **A screenshot of a computer  Description automatically generated** |
| **Put you password and finish** | **A screenshot of a computer  Description automatically generated** |
| **All set** |  |

1. Prepare Windows Server 2022 by:

* Changing the name of the server
* Assign IP address to the server
* Install DHCP service
* Install Active directory

|  |  |
| --- | --- |
| Go to cmd as an administrator | A screenshot of a computer  Description automatically generated with medium confidence |
| Type hostname to show your hostname , then type “ netdom renamecomputer %computername% /newname:<new-name>” to change your hostname and y after to confirm | A screenshot of a computer  Description automatically generated with medium confidence |
| My new name is moeali89 | A screenshot of a computer  Description automatically generated |
| For ip type first “netsh interface ipv4 show config <adapter-name>” to know what is your ip , then after type “netsh interface ipv4 set address name=<adapter-name> static <ip-address> <subnet-mask> <default-gateway>” to seet your new ip and my new ip is 192.168.0.10 | A screenshot of a computer  Description automatically generated with medium confidence |
| To install active directory and dhcp go to add roles and features and click next | A screenshot of a computer  Description automatically generated |
| Chose your server and click next | A screenshot of a computer  Description automatically generated |
| Click in active directory and dhcp then click next | A screenshot of a computer  Description automatically generated |
| Click next | A screenshot of a computer  Description automatically generated |
| Wait to finish installation and all set | A screenshot of a computer  Description automatically generated |
| And your active directory is set | A screenshot of a computer  Description automatically generated |
| After go to dhcp tp set up a new scope for your ip | A screenshot of a computer  Description automatically generated |
| Right click and go to dhcp manager | A screenshot of a computer  Description automatically generated |
| Right click in ipv4 and chose new scope | A screenshot of a computer  Description automatically generated |
| Click next | A screenshot of a computer  Description automatically generated |
| Name you scope and click next | A screenshot of a computer  Description automatically generated |
| Put you range for ip start and end ip and click next | A screenshot of a computer  Description automatically generated |
| And now you dhcp range is set |  |
| And now iif you go to your windows in vm its take your dhcp ip after sharing the same network between server and windows | A screenshot of a computer  Description automatically generated with medium confidence |
| That’s how you share a network go to settings vm for server and chose new adapter then click in custom and chose a network like picture vmnet0 and repeat this process with windows | A screenshot of a computer  Description automatically generated with medium confidence |