Setting Up AD/DC

On

Windows Server 2022

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**1.) Installing/Adding AD/DC to Windows Server 2022**

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-Once you have installed windows server 2022, open the **“server manager”** by clicking on the Start button and selecting **“server manager”.**

-In the server manager dashboard, click on **“add roles and features”.**

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-Once you have clicked the **“add roles and features”** click next until **“server roles”.**

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-In the "Add Roles and Features Wizard," click "Next" until you reach the **"Select features"** section. Make sure that **"Active Directory Domain Services"** is listed. Be sure to check it as well as the “**DNS server”** and continue to click next.

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-Click next all the way through the **“results page”** and click install.

-Once installation is done make sure to click **“Promote this server to a domain controller.”**

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-After clicking on **“Promote this server to a domain controller”**, Be sure to click on **“add a new forest”** and come up with a domain name.

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-In the next page make sure that the Forest and Domain functional level is **on “Windows Server 2016”** and have **“DNS server and Global Catalog”** checked.

-Also come up with a password for your Active Directory and continue to click next until prerequisite check and click **“install”.**

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-After installation you can go to power shell to double check if domain controller has been applied by doing commands such as:

**2.) Configuring the Network for the DC server**

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-After installing and confirming that the server is the domain controller. Locate and go to **“Network and Sharing Center”** which you can find under **“Control Panel”**.

-After that you can click your ethernet in this case NIC 1 which is under “**Connections”** and configure the network to a static IP address.

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-This will be the window when you open NIC 1 or your specified ethernet.

-After opening this window click **“Properties”.**

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-After clicking **“Properties”** make sure that you open the “**IPv4”** settings by clicking on it and clicking on Properties.

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-When opening the configuration page for the IPv4 settings you can now set a static IP address for your domain controller, but **make sure that the static IP address is not in use as well know your subnet mask and default gateway.**

**4.) Setting up Network on the Client computers**

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-In the client computer for you to connect the computer or user to the DC, make sure to put the DC IPv4 address to the DNS server for the client computer for it to connect.

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-After setting up the network, go to the system properties and click **“change”** so you can enter the domain name of the server.

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-After clicking on **“change”,** you can rename the computer and enter the domain name under the domain section.

-After entering the domain, you will be prompted to enter the username and password. Make sure you enter the write credentials. After that, you are now CONNECTED TO THE DOMAIN.