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*I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.*

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# To Install Active Directory Domain Services

# Aim

The Aim of this logbook is to document the process of installation of Active Directory Domain Services on Windows Server.

# Objectives

The objectives of this logbook are:

* To setup active directory domain controller.
* To install an active directory domain service role on windows server.
* To configure installed active directory service role as domain controller.

# Steps

The following steps took place during the installation.

## Step 1

The system was logged in to Windows Server 2022 as an administrator and Server Manager was opened.

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Figure : Server Manager Dashboard.

## Step 2

“Add Roles and Features” option was clicked from the Server Manager which opened the Add Roles and Features Wizard.

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Figure : Roles and Features Window

## Step 3

After next button was clicked, Installation type was selected to “Role based or feature based installation”.

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Figure : Installation Type

## Step 4

Following that, destination server wizard was opened to select the destination which selected as “Select a server from the server pool”.

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Figure : Destination Server

## Step 5

From Select server roles menu, “Active Directory Domain Services” was selected.

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Figure : Server Roles

## Step 6

Following that, Features was selected to “.NET Framework 3.5 Features”.

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Figure : Features

## Step 7

Following that, the other options was set to default and next button was clicked.

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Figure : Active Directory Domain Service Window

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Figure : Installation Confirmation

## Step 8

Then, “Install” button was selected to start the installation.

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Figure : Installation

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Figure : Successful installation

## Step 9

After successful installation, close button was selected, and server manager dashboard was opened.

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Figure : Server Manager Dashboard

## Step 10

Following that, yellow notification icon that was seen on the right side of server manager dashboard was clicked and again “promote this server to the domain controller” option was selected.

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Figure : Notification Icon

## Step 11

Following that, Deployment Configuration Page was opened. Then, deployment operation was selected to “Add a new forest” and root domain name was given as “dikshya.com”.

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Figure : Deployment Confirmation.

## Step 12

Then, Domain Controller Options page was opened where password was confirmed.

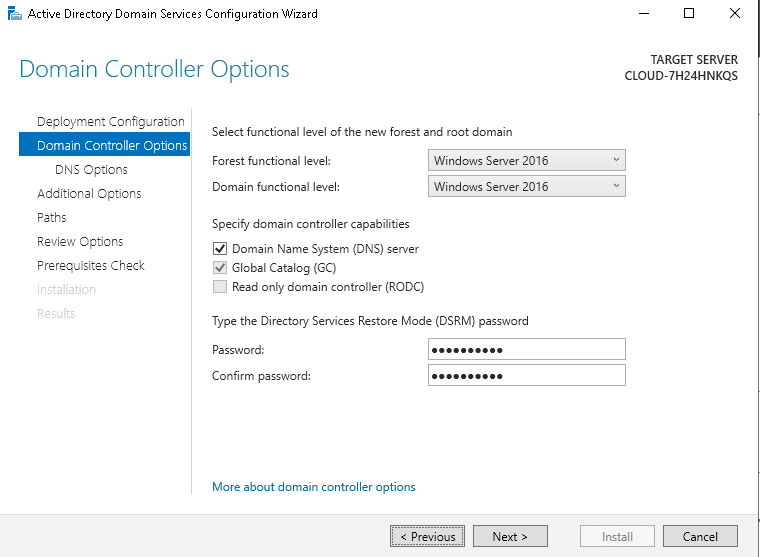


Figure : Domain Controller Options.

## Step 13

After successfully defining the directory service mode password next button was clicked which opened the DNS options page which was set to default.

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Figure : DNS Options.

## Step 14

Then, NetBIOS name was shown by default.

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Figure : NETBIOS domain name.

## Step 15

After that, AD DS database path location was set to default.

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Figure : AD DS Path

## Step 16

Then, Review options page was opened to review the options selected.

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Figure : Review Options.

## Step 17

After it was reviewed, the prerequisites check page was opened and then checked which was then followed by installation.

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Figure :Prerequites checking.

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Figure : Installation.

## Step 18

After installation, the server was restarted.

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Figure : Server Restarted.

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Figure : Administrator.

## Step 19

Then, Domain controller verification was started to check if it was adequately set or not through PowerShell.

Below are the steps performed.

To confirm the successful installation of the services, the following command was run on Windows PowerShell.

“Get-Service adws,kdc,netlogon,dns”

The command showed the status of all services.

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Figure : Powershell.

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Again, to display all the configuration details of the domain controller, following command was run.

“Get-ADDomainController”

It displayed all the information on the following screen:

A computer screen shot of a black screen

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Then, to get detailed information about your domain, following command was run.

“Get-ADDomain mydomain.com”

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Following that, to display your Active Directory Forest details, following command was run.

“Get-ADForest dikshya.com”

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# Conclusion

To sum up, the installation of active directory domain service on windows server 2022 was successfully completed following the systematic process. This logbook serves as a comprehensive guide for the installation process as well as record for future reference. The installation process was started by logging in to the windows server and adding several options to it and then verifying the domain controller by running the commands on PowerShell.