IT 3850 Computer System Administration  
Spring 2022

**Laboratory # 11 - Active Directory in Microsoft Windows Server 2019**

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Use Windows Server 2022 to get 20% Bonus Points*



1. **Objectives**
2. Install and configure Windows Server 2019 (Optionally you can download and install Windows Server 2022.
3. Install and configure Active Directory (AD)
4. **Material Required**
5. Microsoft Windows Server 2019 VM or Microsoft Windows Server 2022.
6. Microsoft Windows 10
7. **Activity**
8. Download the MS Windows Server 2019 from <https://azureforeducation.microsoft.com/devtools> by using your pawprint.
9. Go through the material on MS Windows Server 2019’ module on Canvas and install and configure AD in a MS Windows Server 2019 VM. Use ‘INFOTC3850’ as a domain name. Use the 192.168.100.1/24 IP address for the Windows system.
10. **Review Questions**

**\*Important\*. For each question where you are required for a screenshot, include the screenshot that clearly demonstrates you completed that step successfully.** Include any commands you executed for each step as well, if applicable**. All the screenshots for this lab and future labs must include your pawprint in the command prompt or have other information visible that identifies you (i.e. type/draw your pawprint).** This is to ensure that you are submitting your own work.

Answer the following questions and perform the following tasks. Construct your report in a document to submit on Canvas. Make sure to read the directions and the rubric carefully!

1. After installing the AD in your MS Windows Server, open up the command prompt and execute ipconfig /all to display the current configuration of your system.

A screenshot of a computer

Description automatically generated

1. Graphical user interface, application

   Description automatically generatedIn MS Windows Server, open up the ‘Server Manager’, click on ‘Configure this local Server’ and take a screenshot of this information.
2. A screenshot of a computer

   Description automatically generatedIn MS Windows Server, open up the ‘Server Manager’, click on ‘Tools’ and in ‘Active Directory Users and Computers’, expand the ‘Domain Controllers’. Take a screenshot showing the Windows Server system is a domain controller.
3. A screenshot of a computer

   Description automatically generatedIn MS Windows Server, open up the ‘Server Manager’, click on ‘Tools’ and in ‘Active Directory Users and Computers’, expand the ‘Domain Name’ and then ‘Users’. Create a new user account using your pawprint as a name, then take a screenshot showing the new user created.

A screenshot of a computer

Description automatically generated

1. Clone your MS Windows 10 client and name it ‘**system01**’ (in the videos we named it ‘PC01’) and join it to the AD.

Graphical user interface, text, application

Description automatically generated

1. Graphical user interface, text

   Description automatically generatedIn the Windows Server 2019 AD, show that the client was joined successfully.
2. In the Windows Server 2019 AD, create a user ‘test01’.

A screenshot of a computer

Description automatically generated

1. Graphical user interface, text, application

   Description automatically generatedUse the user ‘test01’ to log in to your MS Windows client.