LOYALIST COLLEGE
IN TORONTO

In-Class Lab - 1

Course Code – CLOD1002

Instructor Name – Duo Lu

Group D

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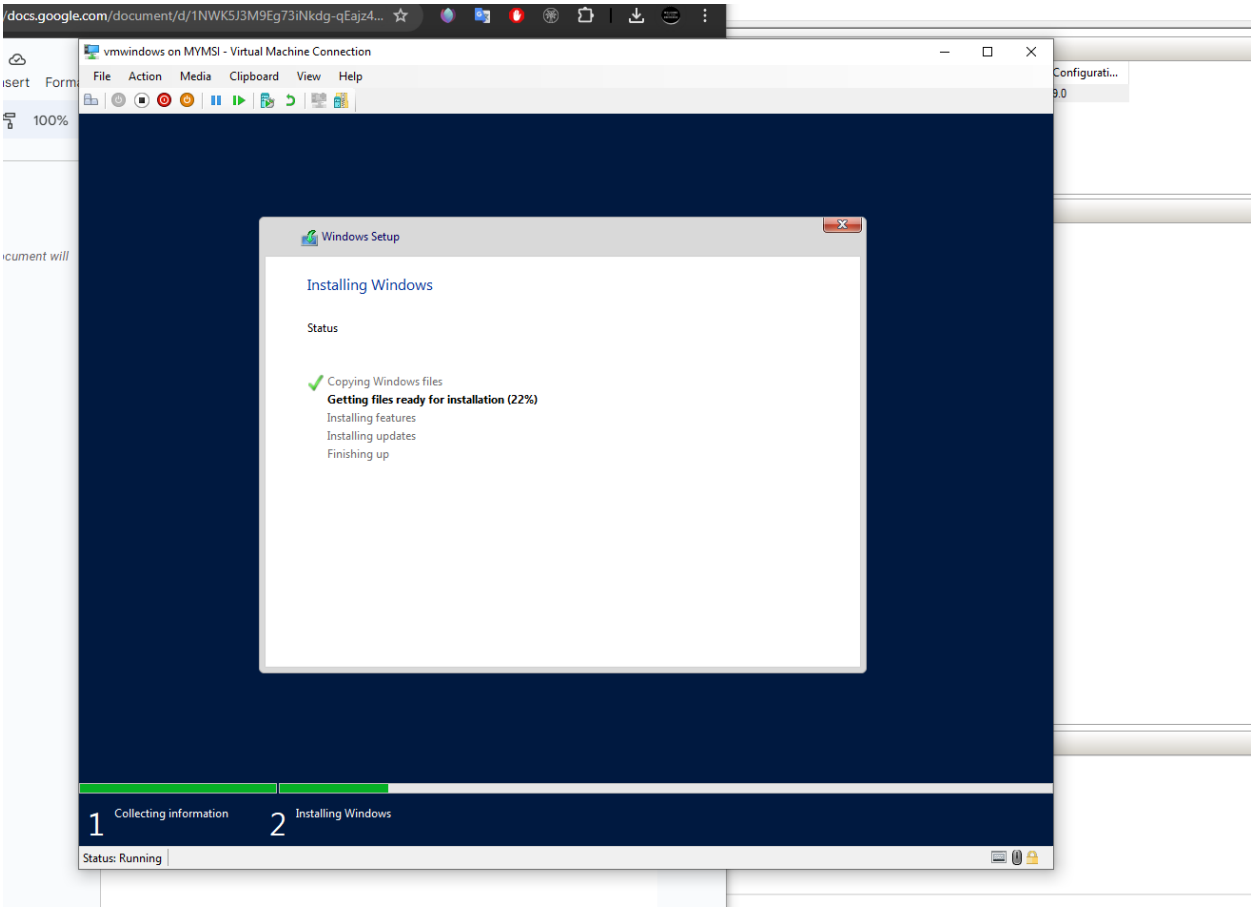
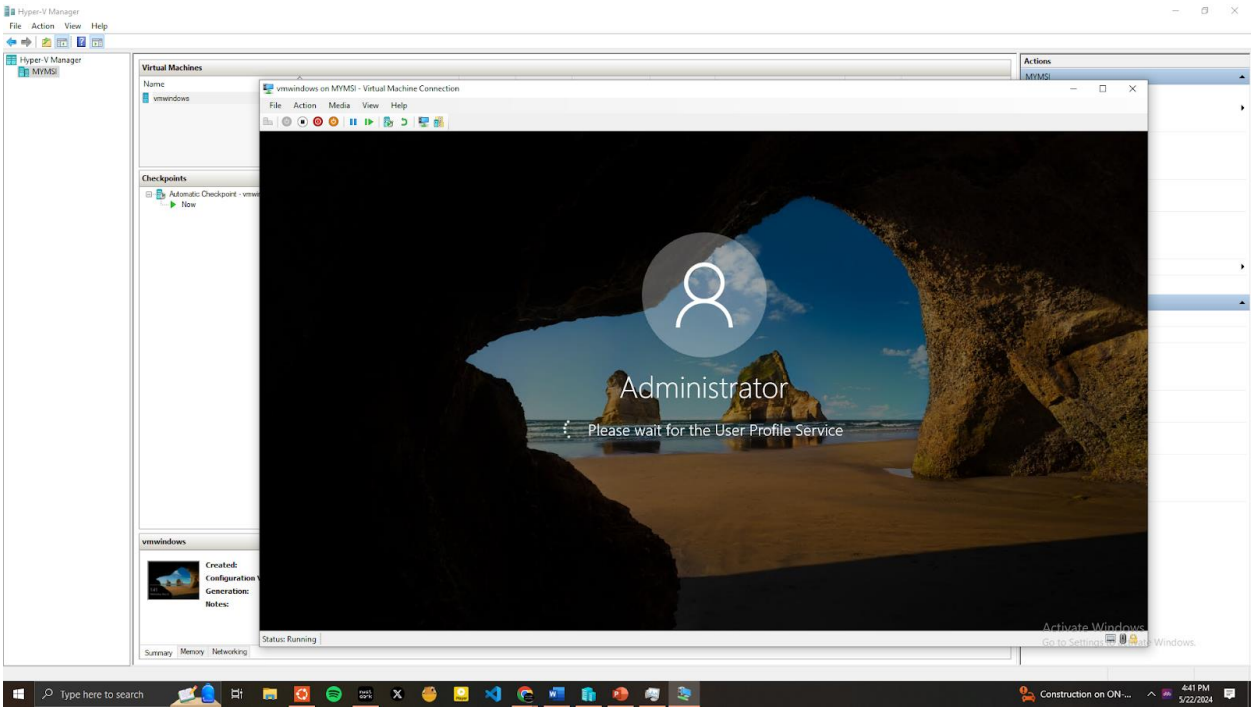
Assignment

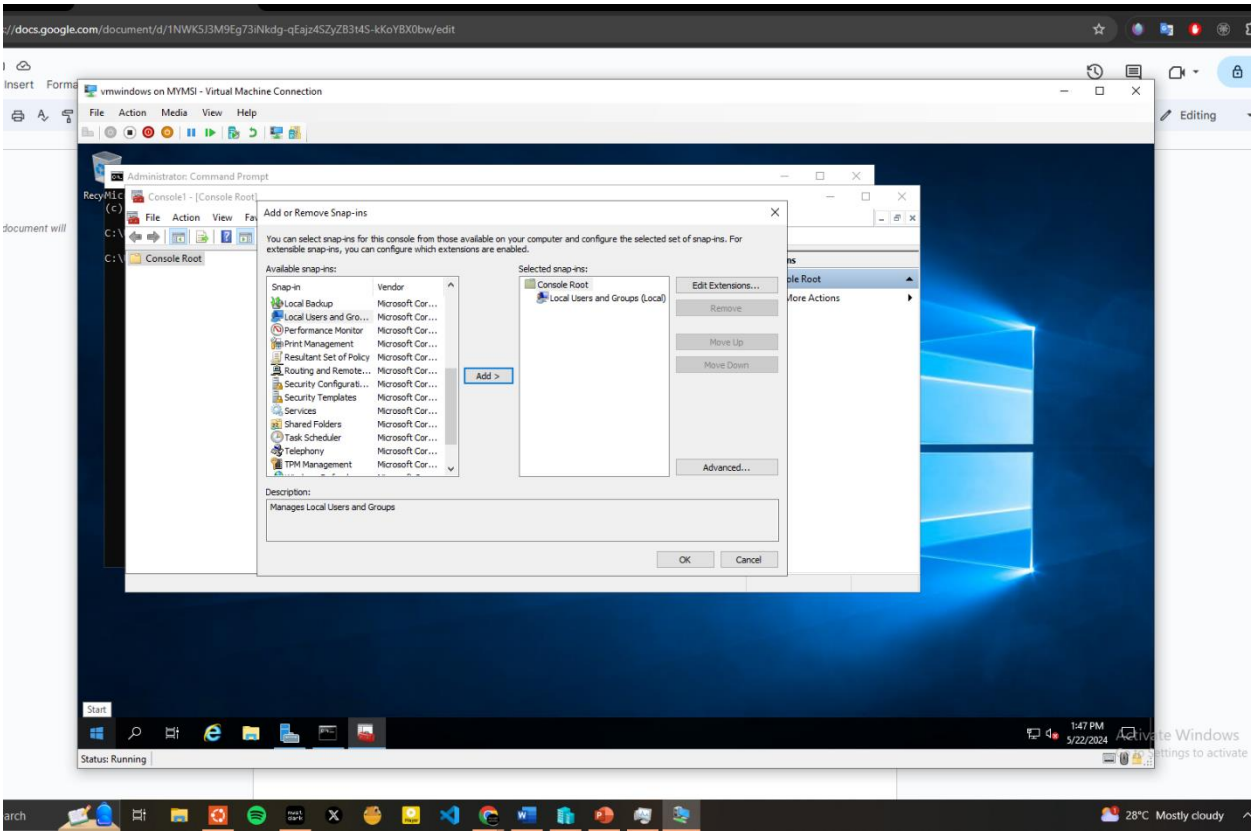
Is this my best effort?	☒
Has the spelling been checked?	☒
Is the references section correct?	☒
Is all cited material referenced?	☒
included screen shots	☒
are the steps covered the requirements?	☒
Are the steps executed in sequences	☒
Are there any materials that you have not cited? (Should therefore be expunged).	☐
Each screen shots commented and included enough explanations	☒
Is the word length, OK?	☒
Have I checked for spelling and grammar?	☒
Is your name, student number, instructor's name and course code on the title page?	☒
Is an extra software used?	☒
The answers are in clear and good order (sorted)?	☒
Is the output graphs match the developed codes	☒
X, Y labels are defined and titled in the graph correctly	☐
Did I check the whole checklist?	☒
Layout and presentation is an Good and an Acceptable level	☒



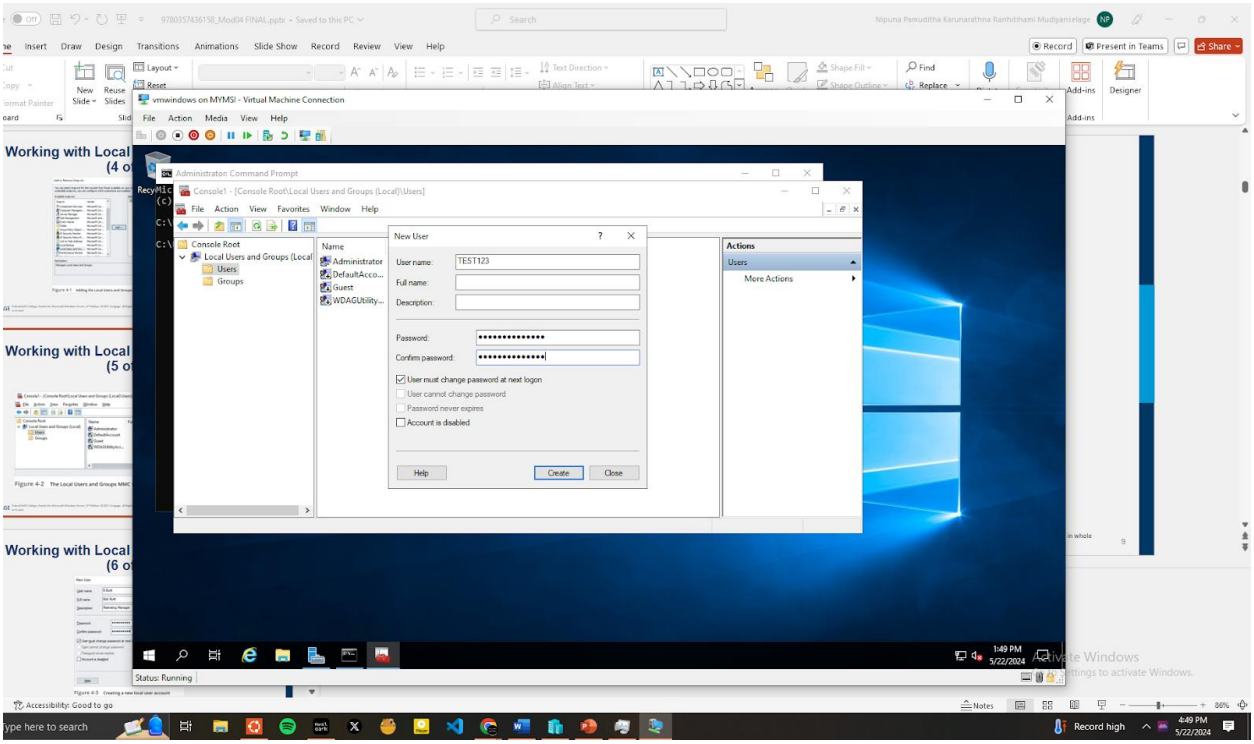
- Installed VM



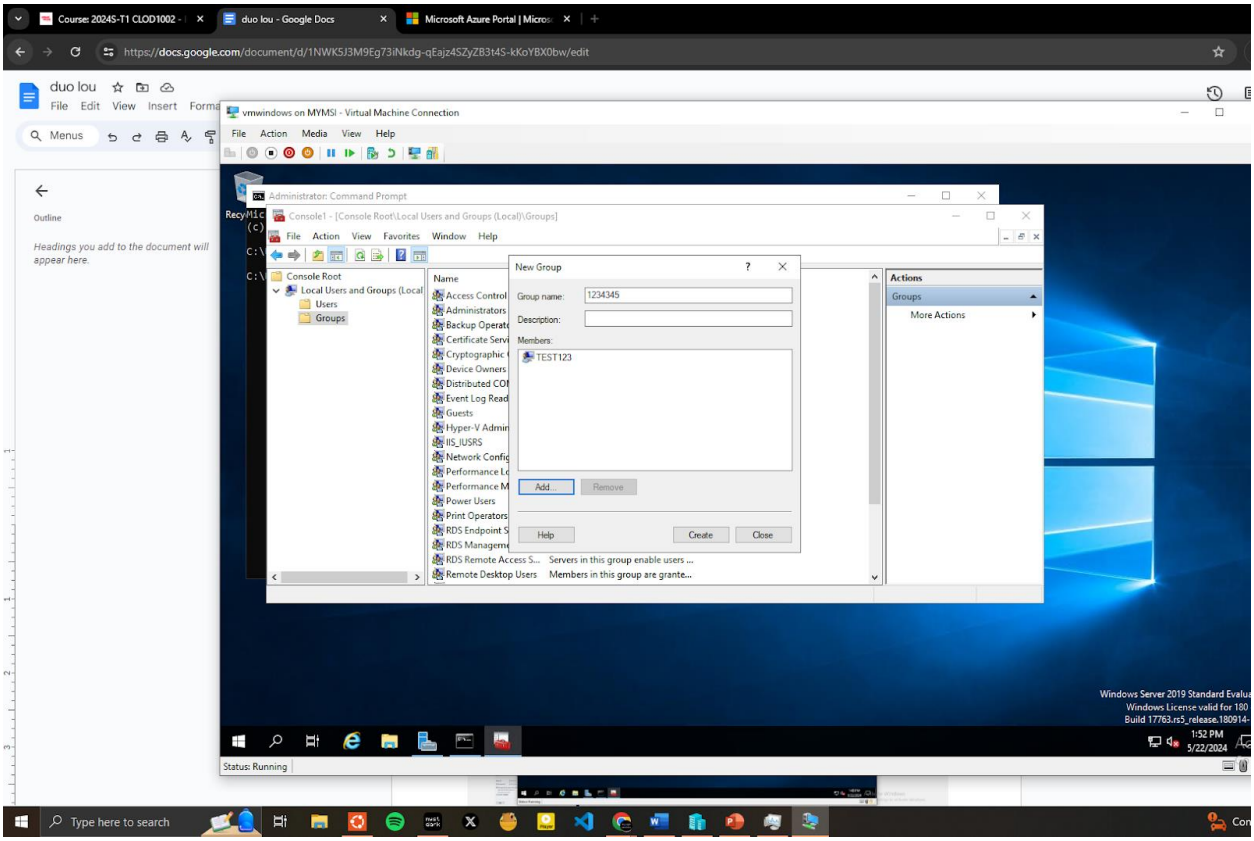
- Microsoft Management Console

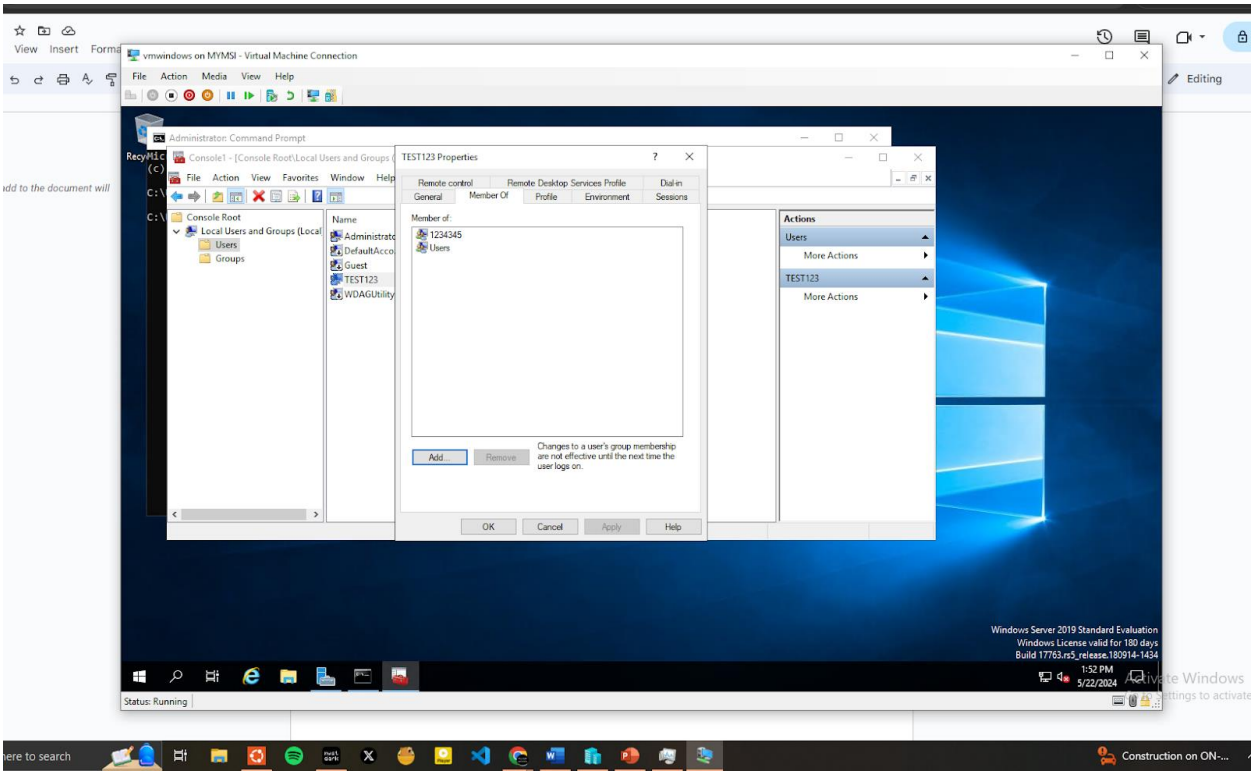


- Created user named test123

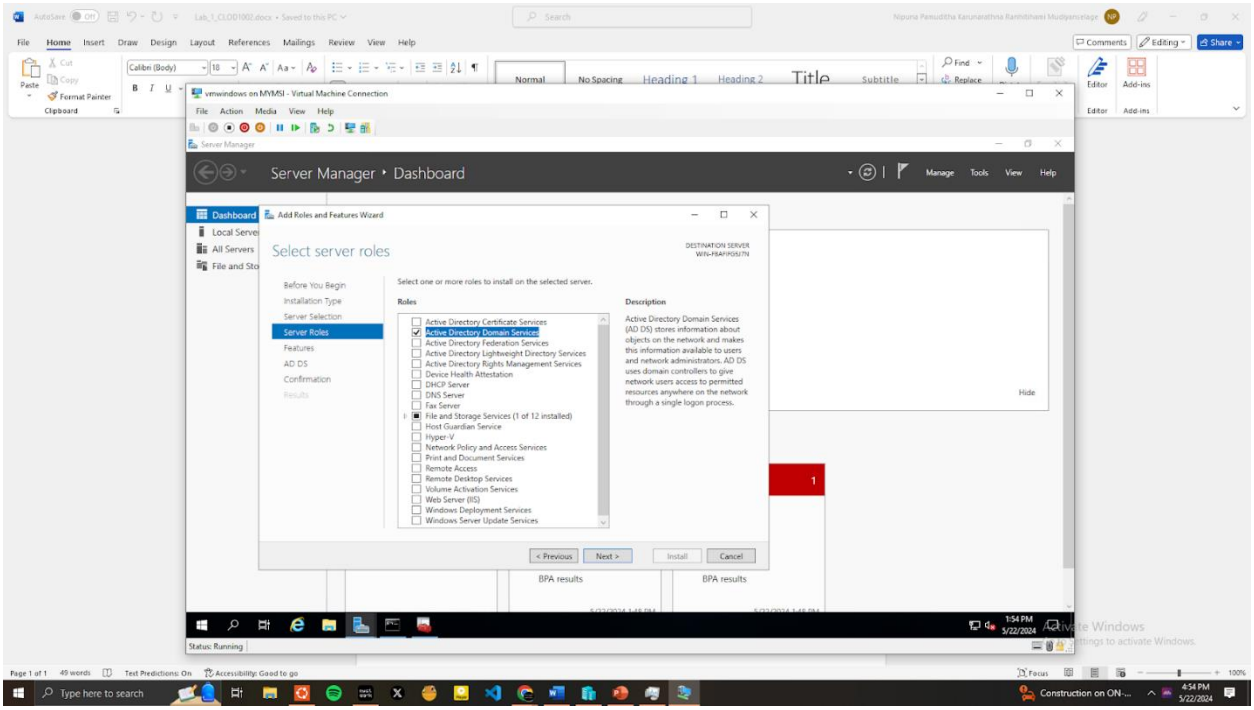


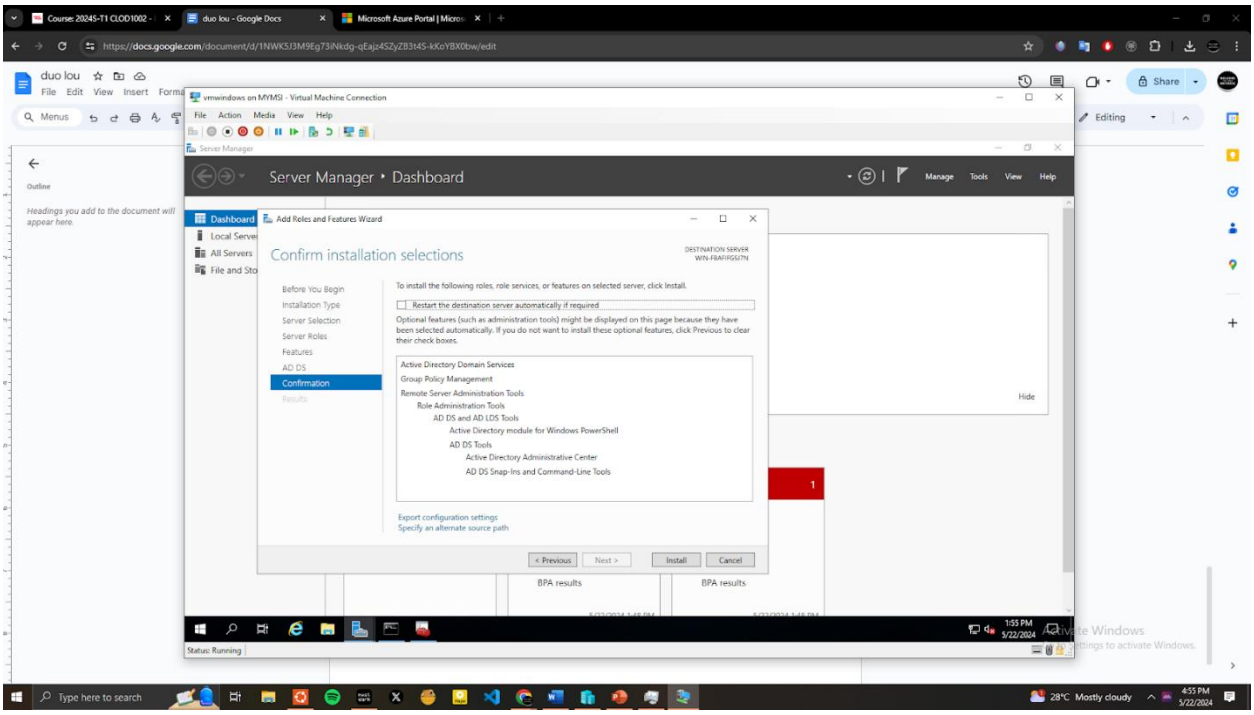
- Created group and added user to it



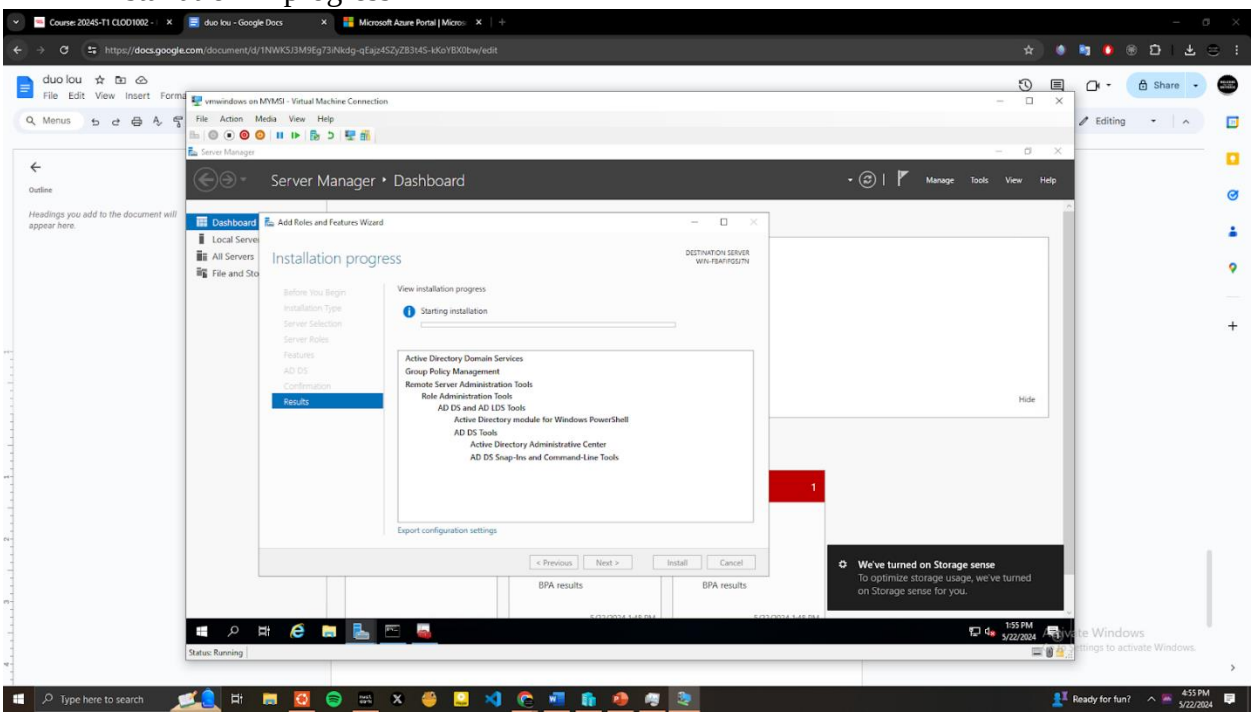


- Installing azure AD

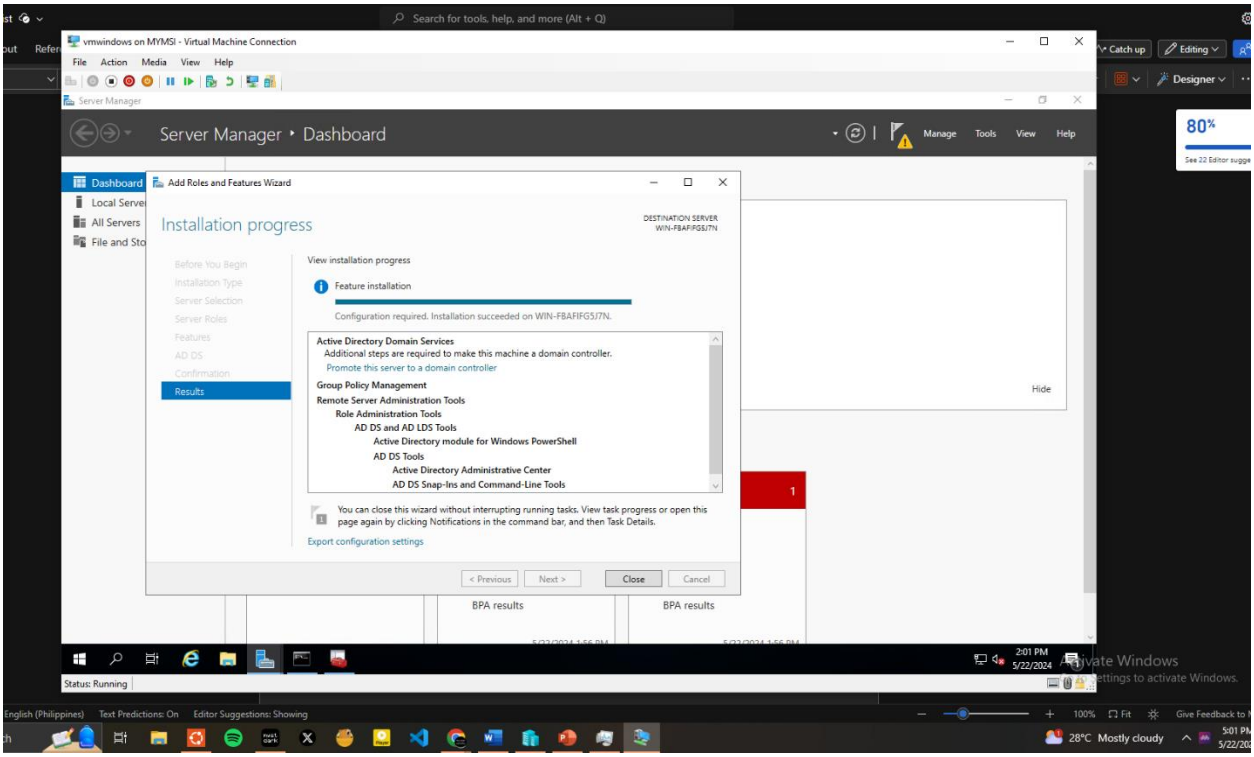


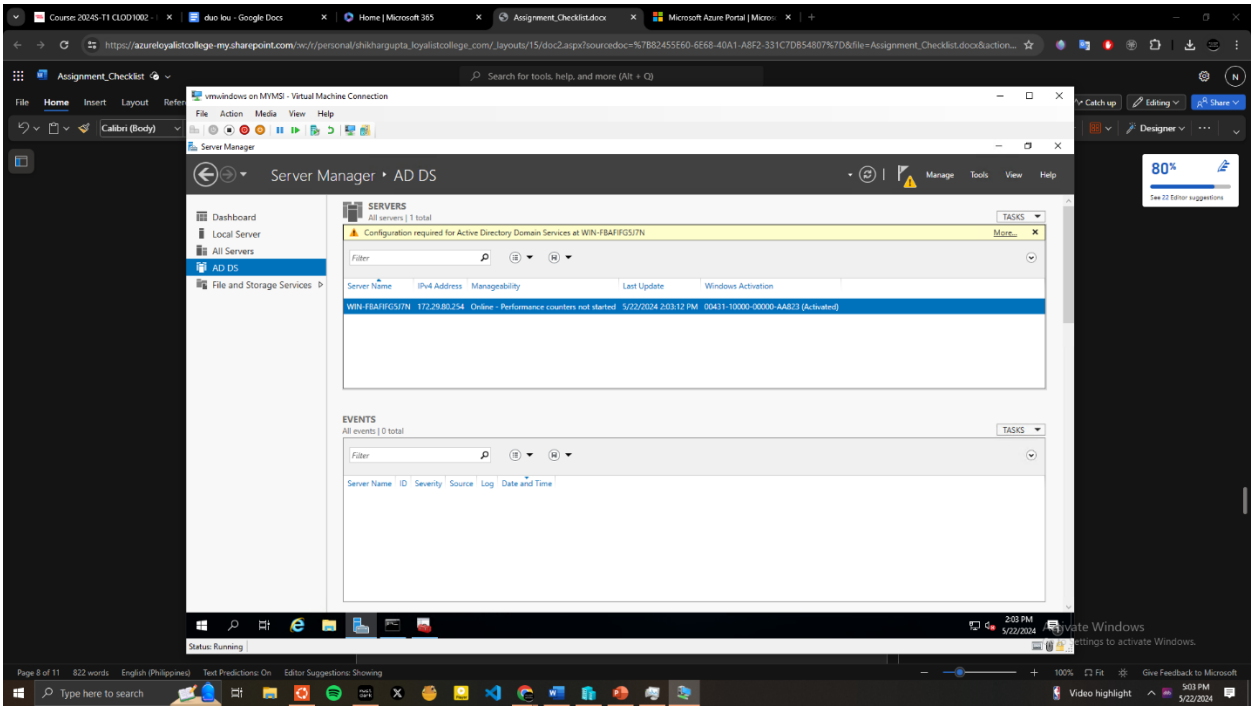


- Installation in progress



- Installed AD


vmwindows on MYMSI - Virtual Machine Connection
Server Manager • Dashboard
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-FBAFIFG5J7N
View installation progress
Feature installation
Configuration required. Installation succeeded on WIN-FBAFIFG5J7N.
Active Directory Domain Services
Additional steps are required to make this machine a domain controller.
Promote this server to a domain controller
Group Policy Management
Remote Server Administration Tools
Role Administration Tools
AD DS and AD LDS Tools
Active Directory module for Windows PowerShell
AD DS Tools
Active Directory Administrative Center
AD DS Snap-Ins and Command-Line Tools
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel
BPA results
BPA results
Status: Running


vmwindows on MYMSI - Virtual Machine Connection
Server Manager • AD DS
Dashboard
Local Server
All Servers
AD DS
File and Storage Services
SERVERS
All servers | 1 total
Configuration required for Active Directory Domain Services at WIN-FBAFIFG5J7N
WIN-FBAFIFG5J7N 172.29.80.254 Online - Performance counters not started 5/22/2024 2:03:12 PM 00431-10000-00000-AA823 (Activated)
EVENTS
All events | 0 total
Status: Running

2.Install and explain the purpose of Active Directory.

Active Directory (AD) is like a big address book made by Microsoft for Windows networks. Its main job is to make sure only the right people and devices can access stuff on the network. Here's what it does:

1. **Log in Help:** AD checks if someone trying to log in to a computer or device is allowed. This helps people access things like files, apps, and printers only if they're supposed to.

2. **Keeping Track of Stuff**: It's like a storage place for information about everything on the network, like users, computers, printers, and other gadgets. This makes it easier to keep everything organized.

3. **Setting Rules:** AD lets bosses set rules for how the network works. They can control things like security settings, how desktops look, and what apps people can use.

4. **Easy Logins:** AD helps people log in once to access lots of different things, instead of needing different passwords for each. This makes it easier for everyone and helps keep things secure.

5. **Copying Info:** AD can copy changes made in one place to other places, so everything stays the same across the network. This makes sure everyone sees the same stuff, no matter where they are.

6. **Making Names Easy:** It works with DNS to turn easy-to-remember names into the number’s computers use to find stuff on the network.

7. **Keeping Things Safe**: AD makes sure only the right people can access sensitive info by checking who they are. It also helps encrypt data to keep it safe from prying eyes.

8. **Growing with the Business:** AD can handle networks of all sizes, from small businesses to big companies. It's designed to work well no matter how many users, computers, or other stuff there is.

➢ **The purpose of Active Directory objects, forests, trees, and trusts :-**

- **Active Directory Objects:** These are like the basic building blocks of Active Directory. They're like different items in a big box, such as users, computers, and printers, that you find in a network. Each item has its own name, permissions, and settings that help control how it's used in the network.

- **Forests:** Imagine a forest as a big collection of trees, where each tree stands for a different area. In Active Directory, a forest is like a big group that holds together one or more areas, called domains. It's like a giant organizing system that keeps all the domains in a network together.

- **Trees:** Inside this big forest, domains are organized like branches on a tree. A tree groups together domains that are similar, like having similar names or rules. So, if you have different areas with similar names, they're like branches in the same tree.

- **Trusts:** Trusts are like special paths or bridges that connect different areas or even different forests. They let people in one place use stuff in another place. Trusts make sure everyone is who they say they are and can do what they're supposed to do, making everything work together smoothly.

  In simpler terms, Active Directory objects are the things you manage (like users and computers), forests are big collections of domains, trees are groups of domains within those forests, and trusts are the connections that allow them to work together smoothly.

Bibliography

Cayosoft. (n.d.). Retrieved from Active Directory Recovery: https://www.cayosoft.com/what-is-an-active-directory-forest/#:~:text=Forest%20Trust%3A%20An%20Active%20Directory,and%20resources%20across%20forest%20boundaries.

itopia. (n.d.). *itopia*. Retrieved from https://helpcenter.itopia.com/en/articles/4257484-creating-an-active-directory-trust