

Project 1

Group Title: Integrating domain and GPO installation.

Group Members

- | | | |
|--------------------|-----------|---|
| 1. Aagam Shah | (8935540) | Domain name: Aagam.local (Group Leader) |
| 2. Amandeep Kaur | (8896842) | Domain name: Akaur01.local |
| 3. Feethu James | (8745427) | Domain name: Fjames.local |
| 4. Rahul Rajan | (8913186) | Domain name: RRanjan.local |
| 5. Ramya Kanapuram | (8836752) | Domain name: ramya.local |

VM Link:

Aagam-DC1 → IP:172.16.214.30 → <https://wfd-vcenter001.conestogac.on.ca/ui/webconsole.html?vmId=vm-123738&vmName=Aagam-DC1&numMksConnections=0&serverGuid=6ea79d3e-d131-46b6-abbc-b8e3379f5344&locale=en-US>

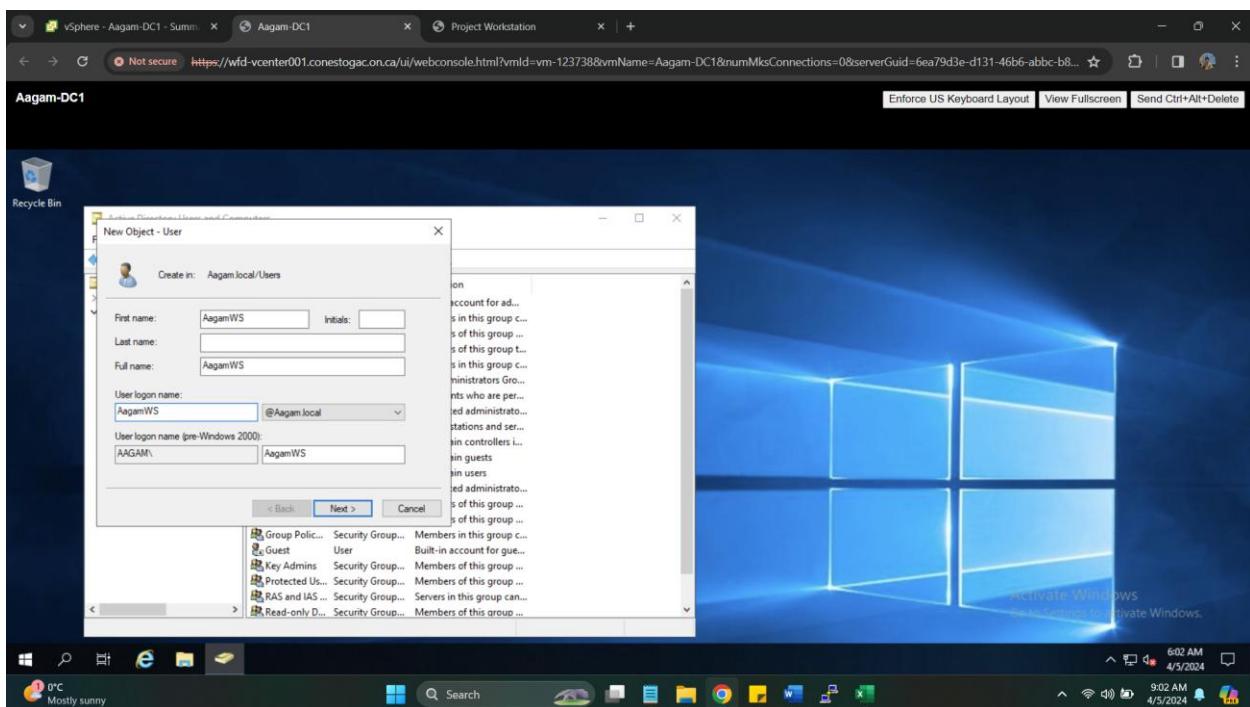
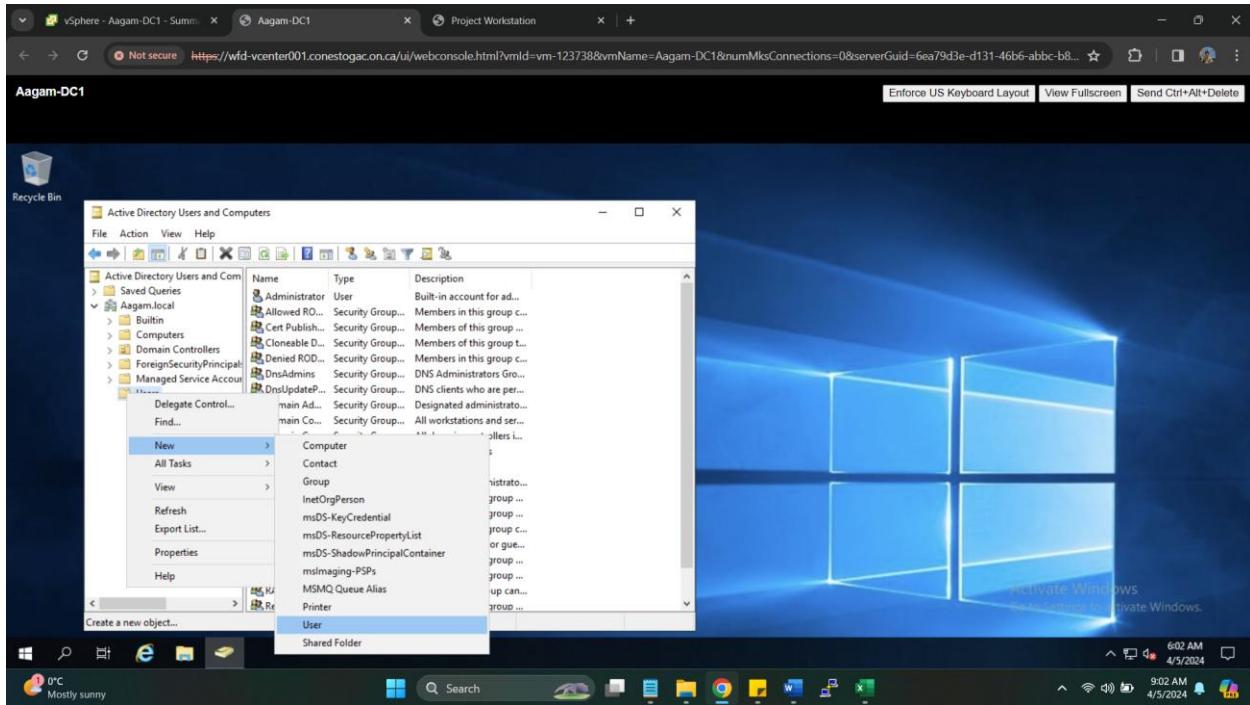
Member Server → IP:172.16.214.21 → <https://wfd-vcenter001.conestogac.on.ca/ui/webconsole.html?vmId=vm-121851&vmName=Member%20Server-1&numMksConnections=0&serverGuid=6ea79d3e-d131-46b6-abbc-b8e3379f5344&locale=en-US>

Workstation → IP:172.16.214.35 → <https://wfd-vcenter001.conestogac.on.ca/ui/webconsole.html?vmId=vm-129840&vmName=Project%20Workstation&numMksConnections=0&serverGuid=6ea79d3e-d131-46b6-abbc-b8e3379f5344&locale=en-US>

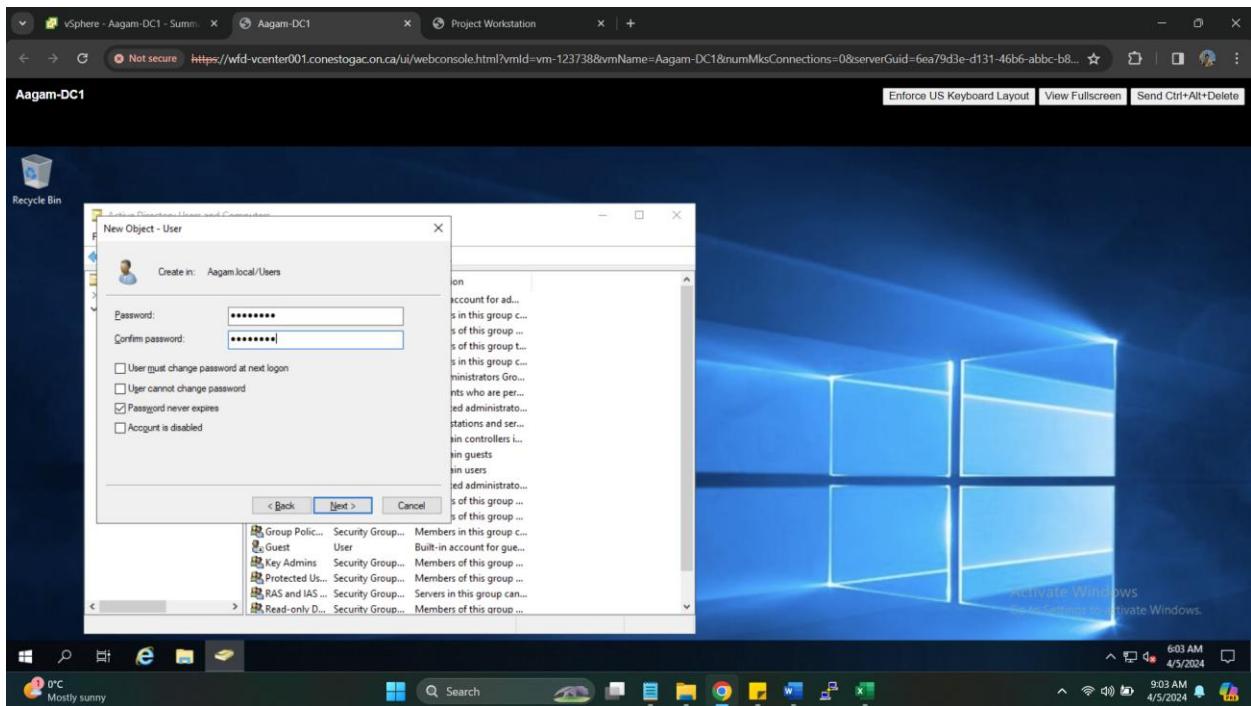
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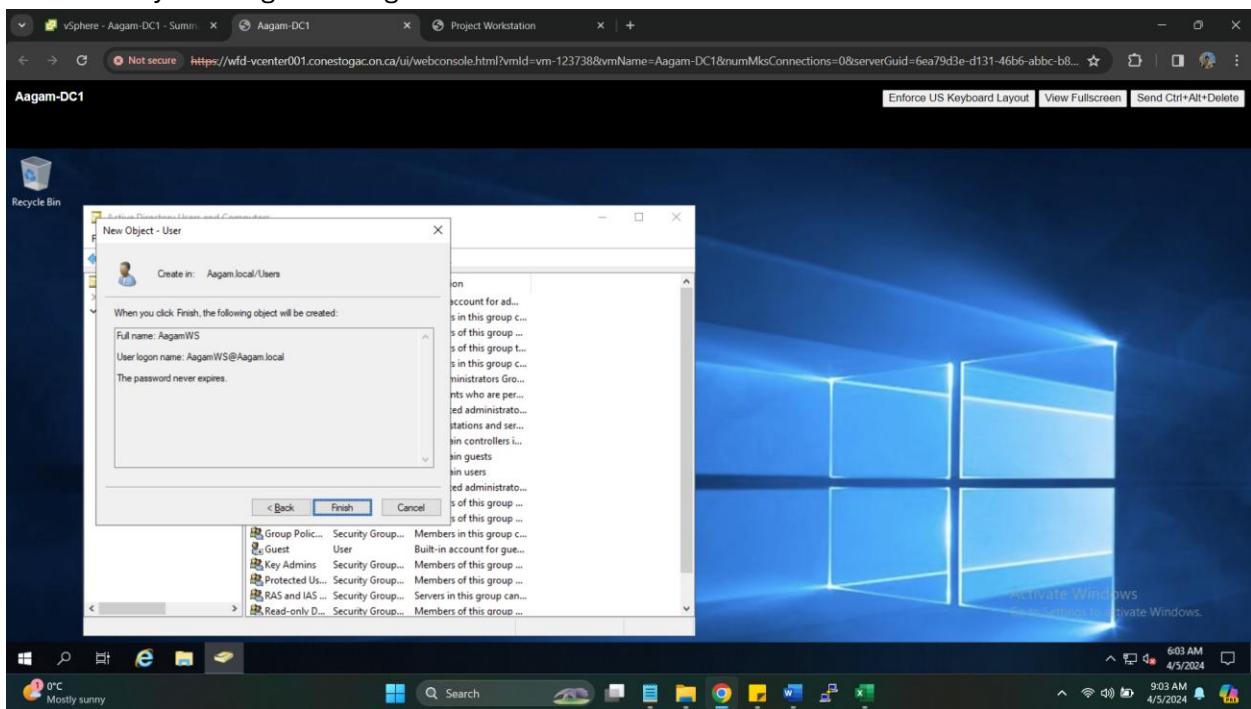
Creating User as AagamWS



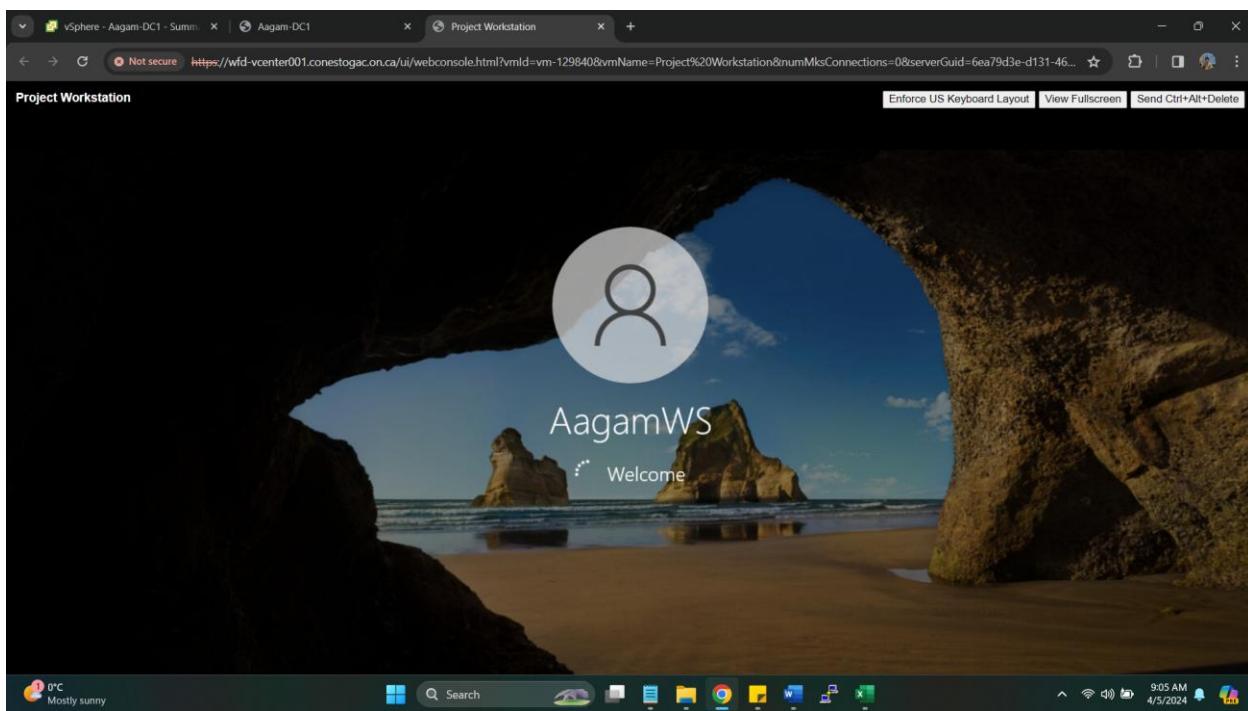
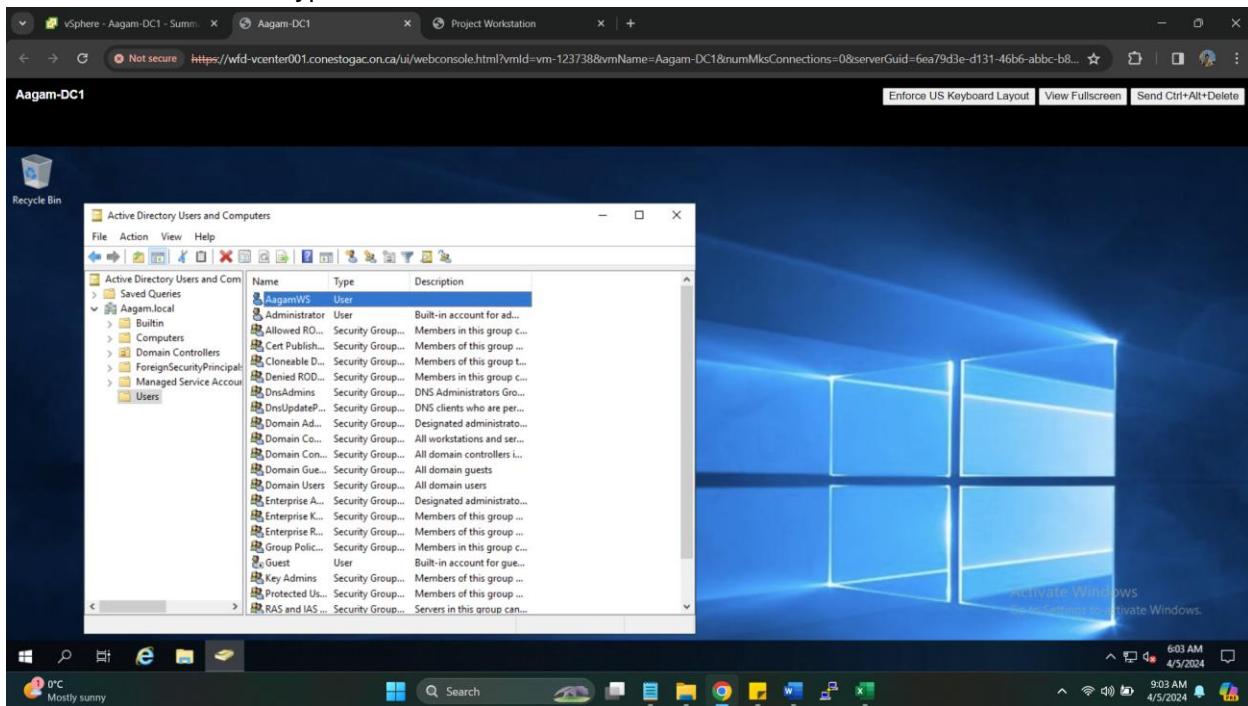
Password: Secret55



Successfully creating user :AagamWS

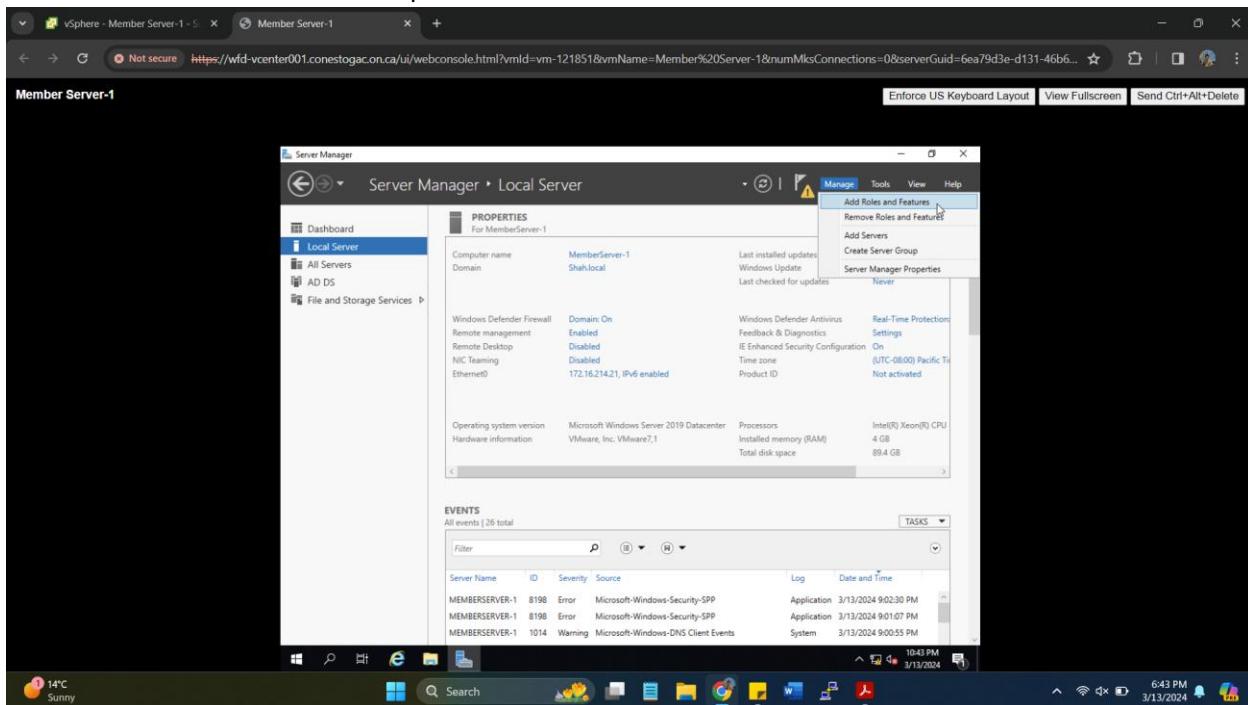


List of users and their Types

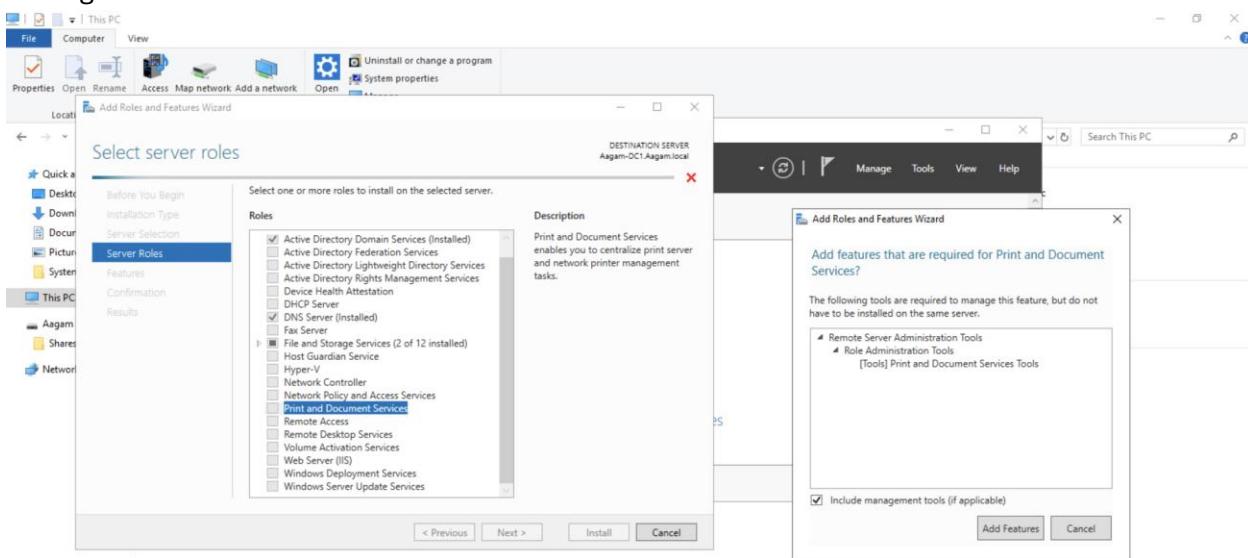


Printer Server is installed on a member server.

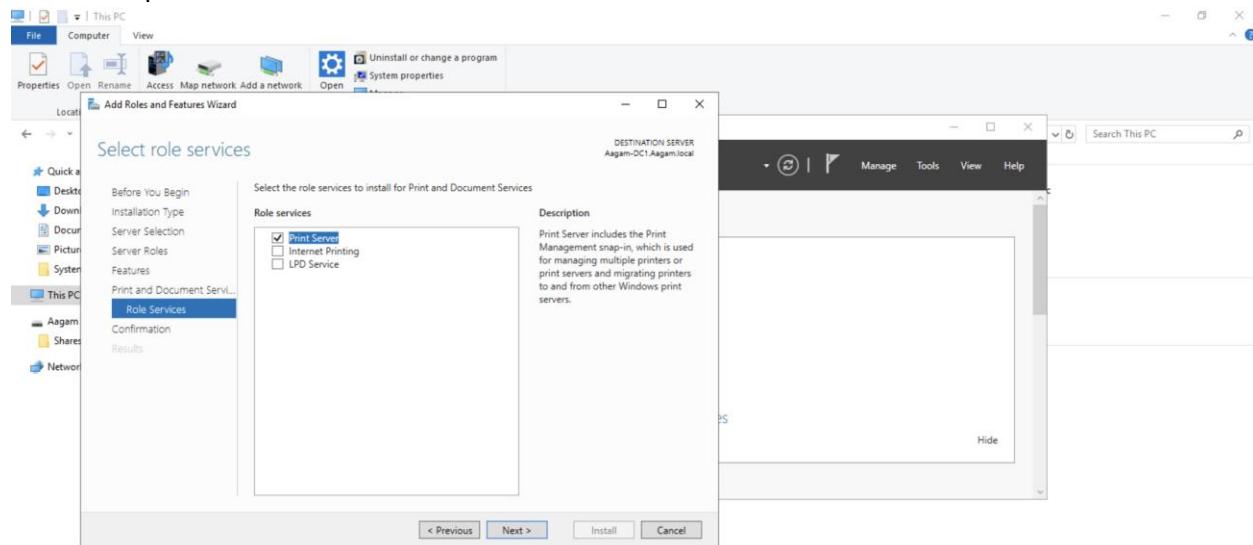
Add roles and features to install printer server on member server



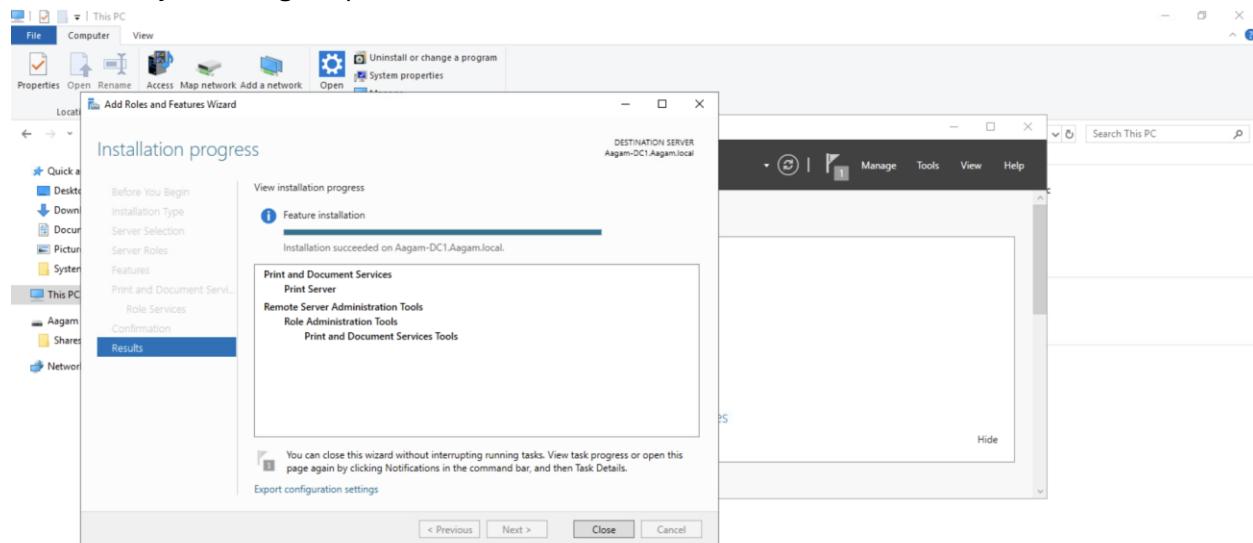
Adding the Role of Print Server



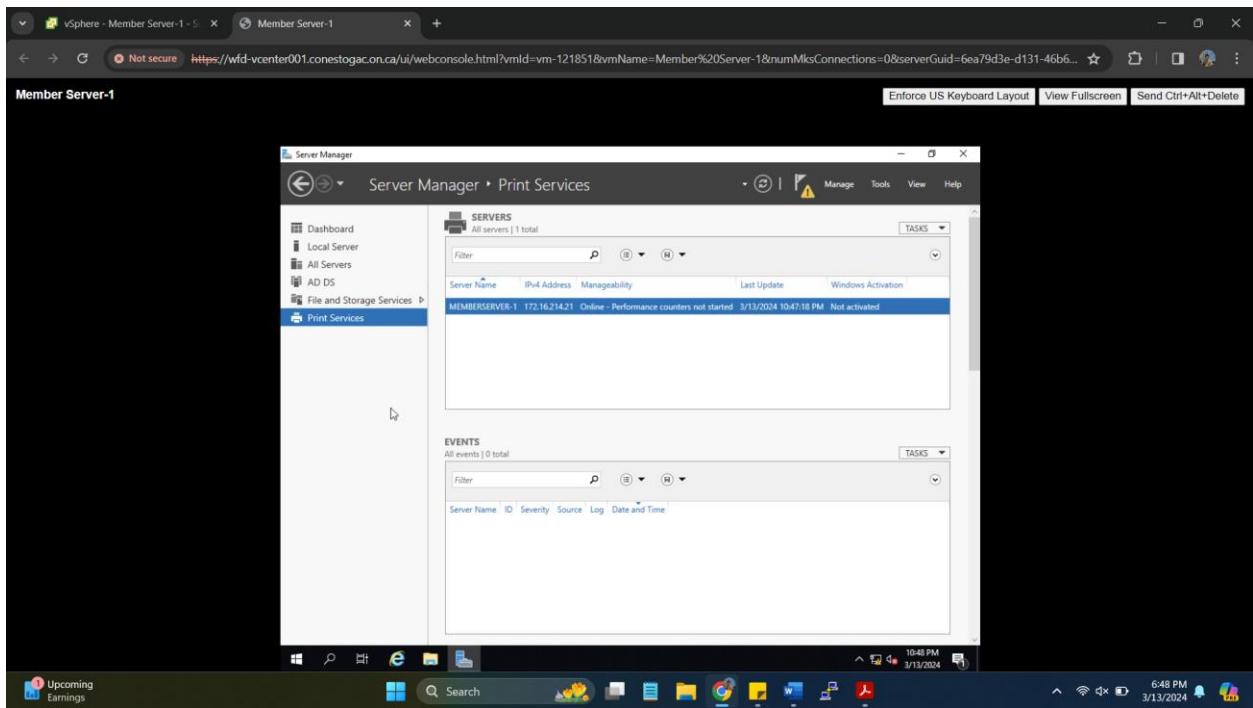
Select the print server service to install



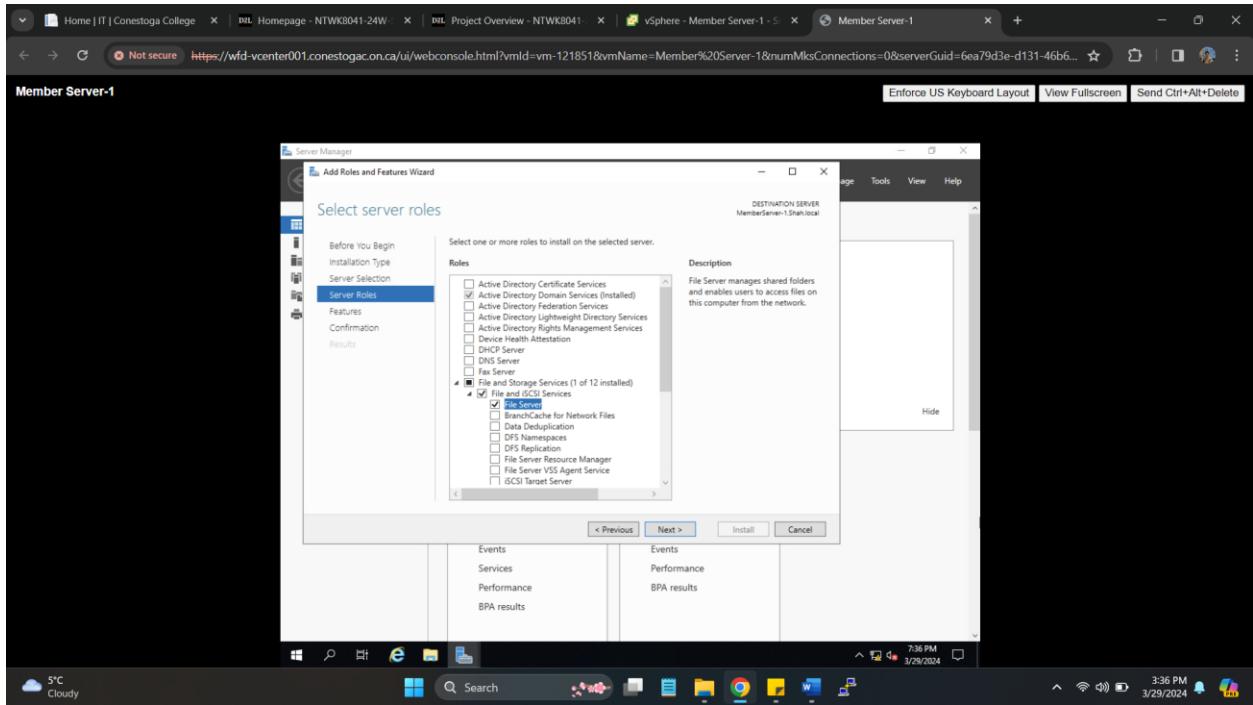
Successfully installing the print and document services feature.



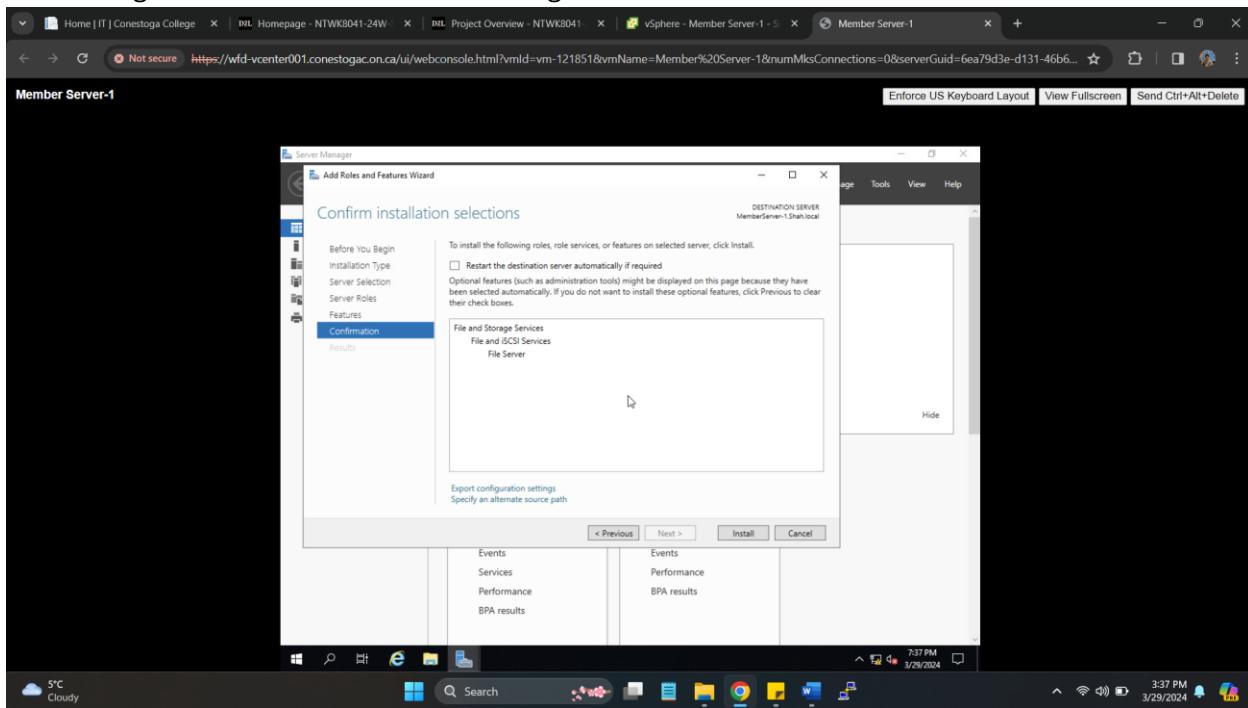
Dashboard of Print Services.



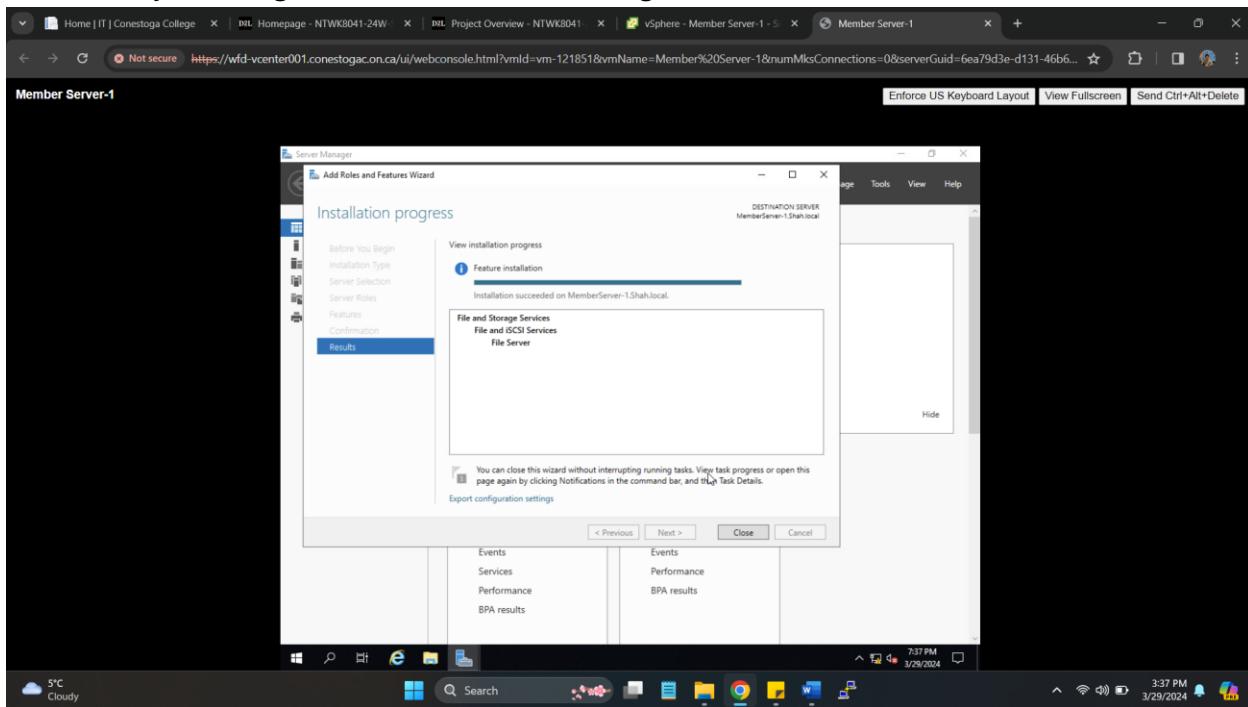
Installing File Server feature on server



Confirming the installation of File and storage Services



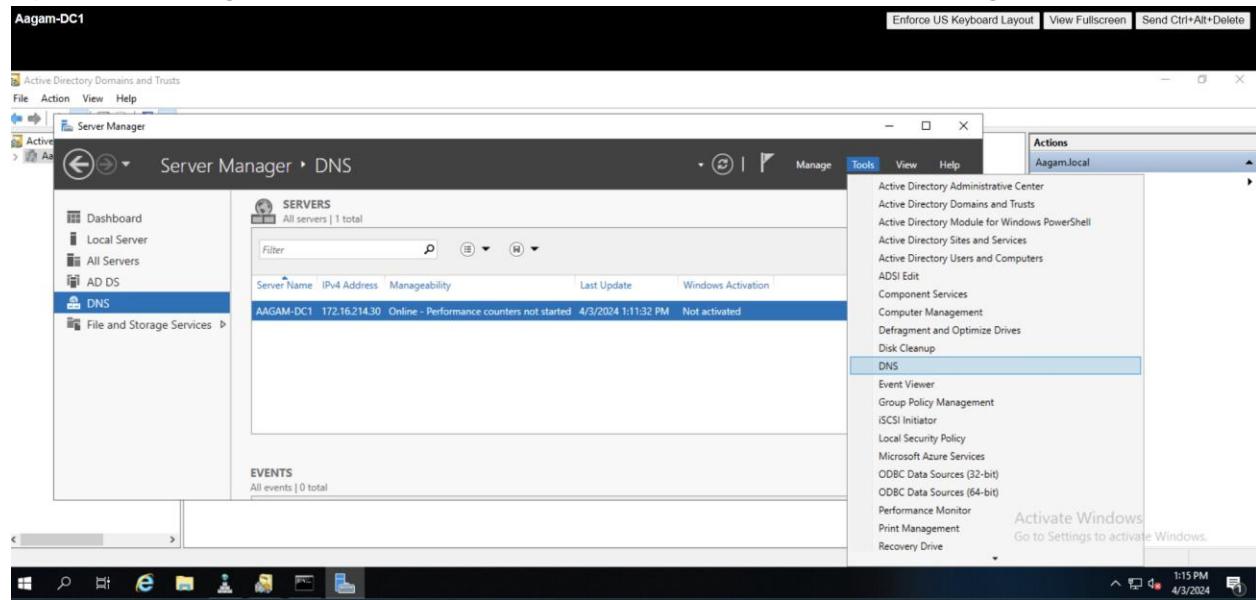
Successfully installing the feature of File and Storage Services



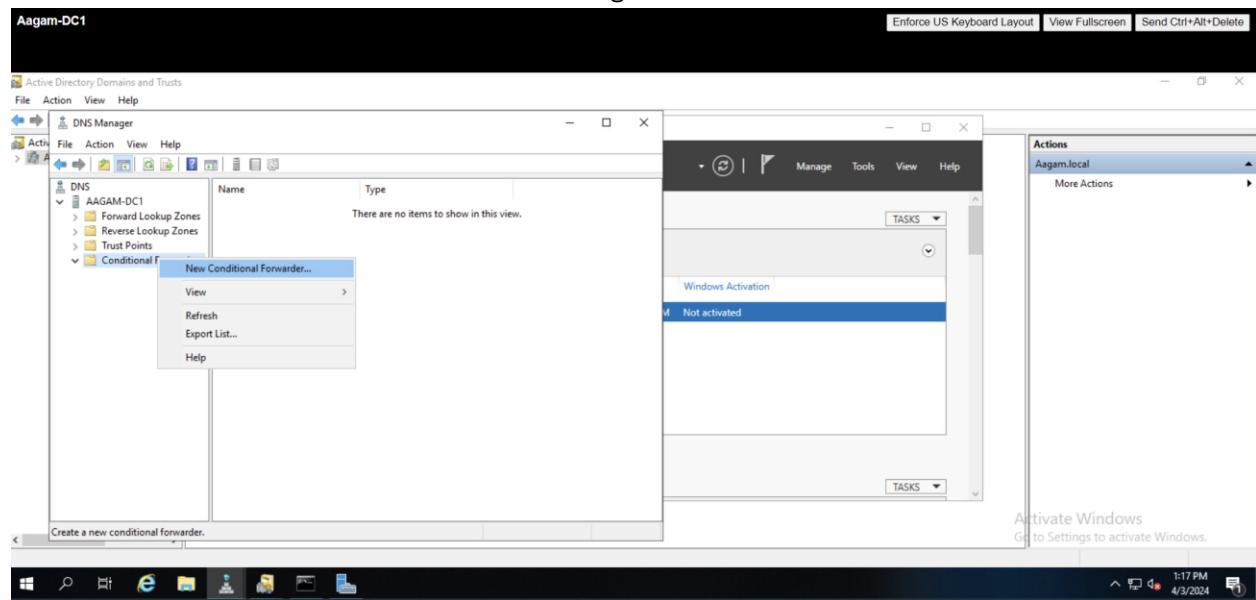
Adding in Conditional Forwarders

Creating trust between group members with their domains

Open DNS manager → To create a Conditional forwarder for each domain integration



Select New conditional Forwarder in DNS manager



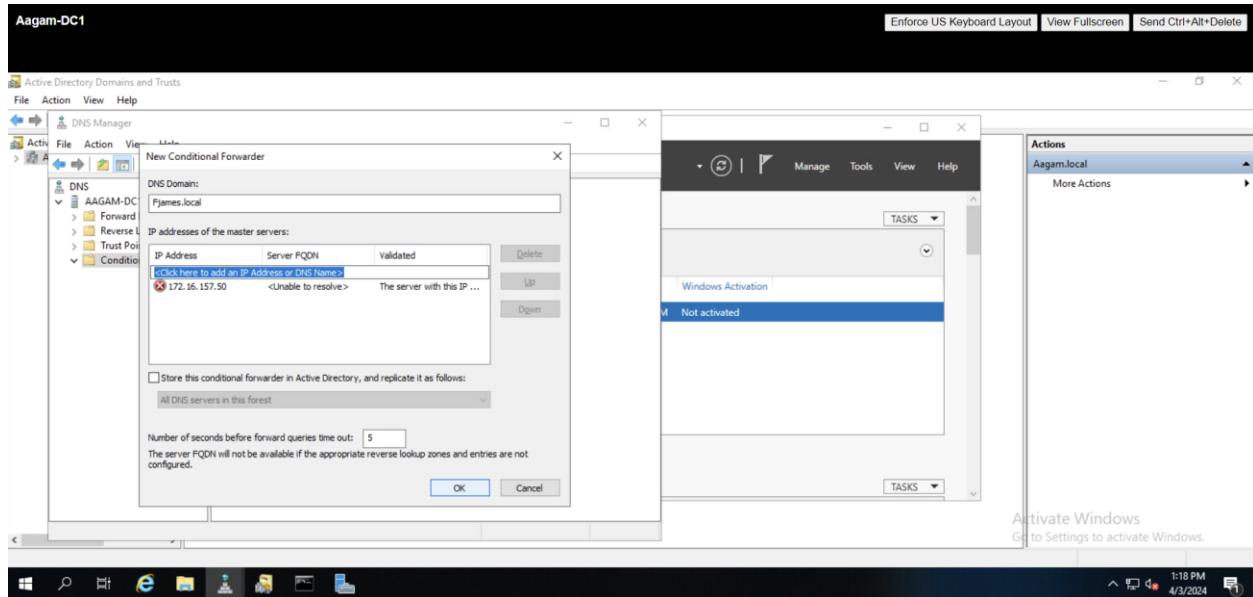
Add DNS domain name of the group members.

Group member 2 → Fjames.local → IP:172.16.157.50

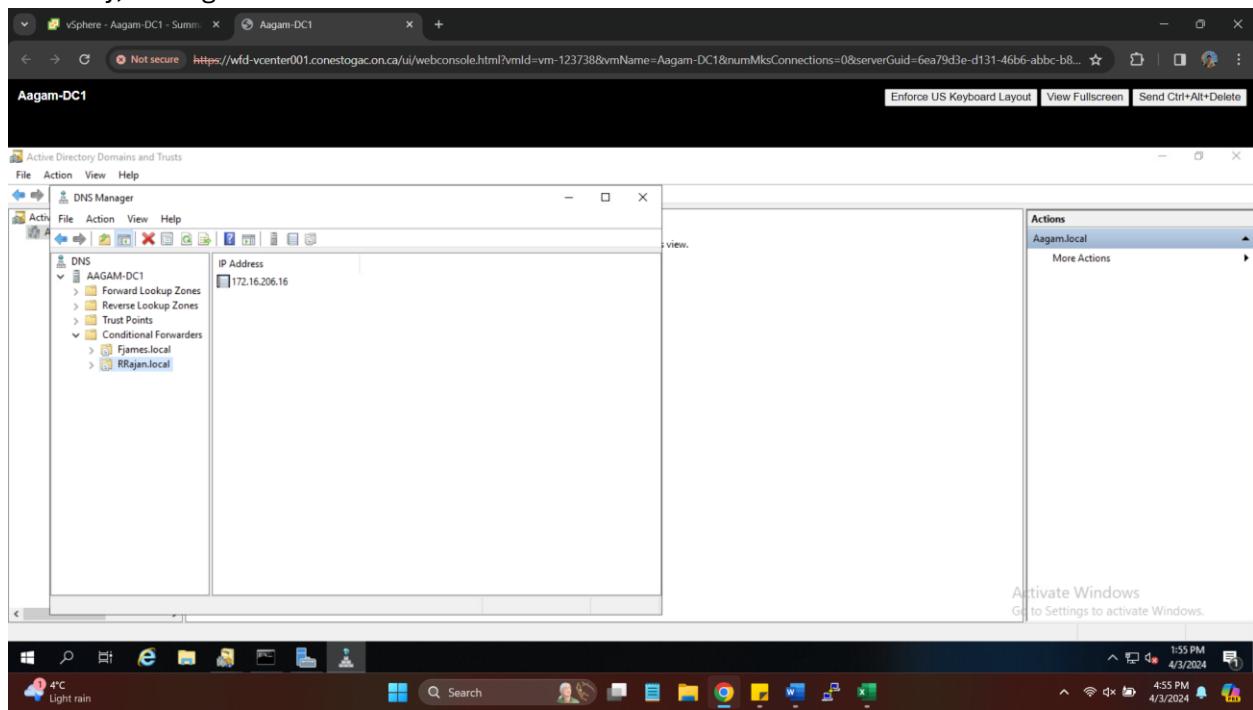
Group member 3 → RRajan.local → IP: 172.16.206.16

Group member 4 → ramya.local → IP: 172.16.161.74

Group member 5 → Akaur.local → IP: 172.16.139.19

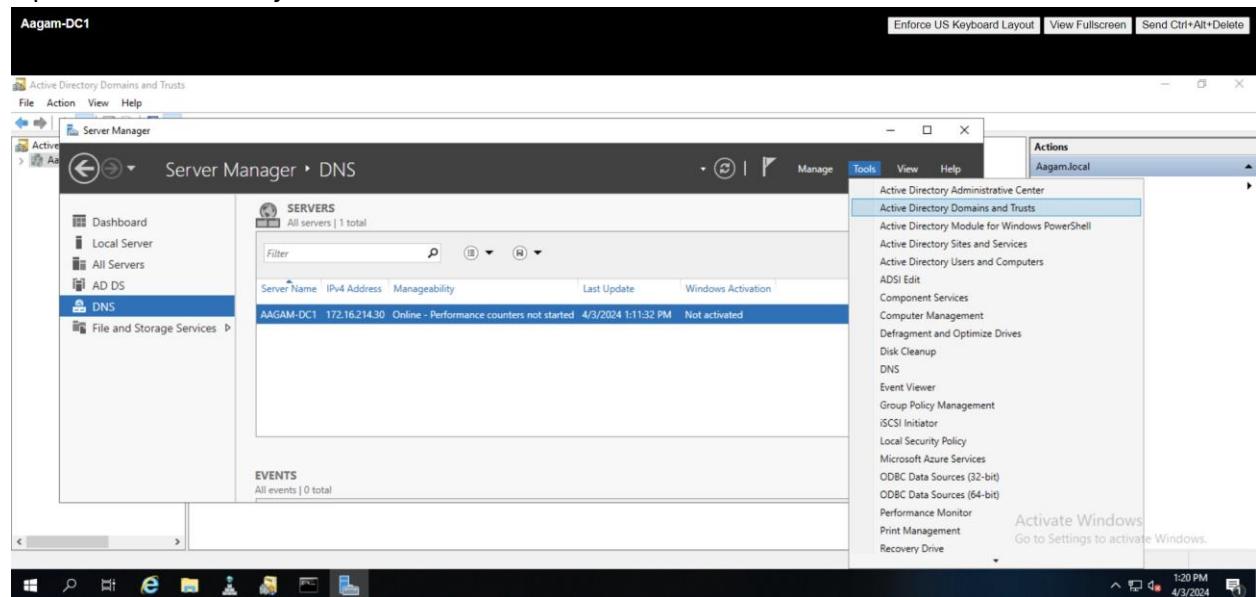


Similarly, adding other domain members in conditional forwarders

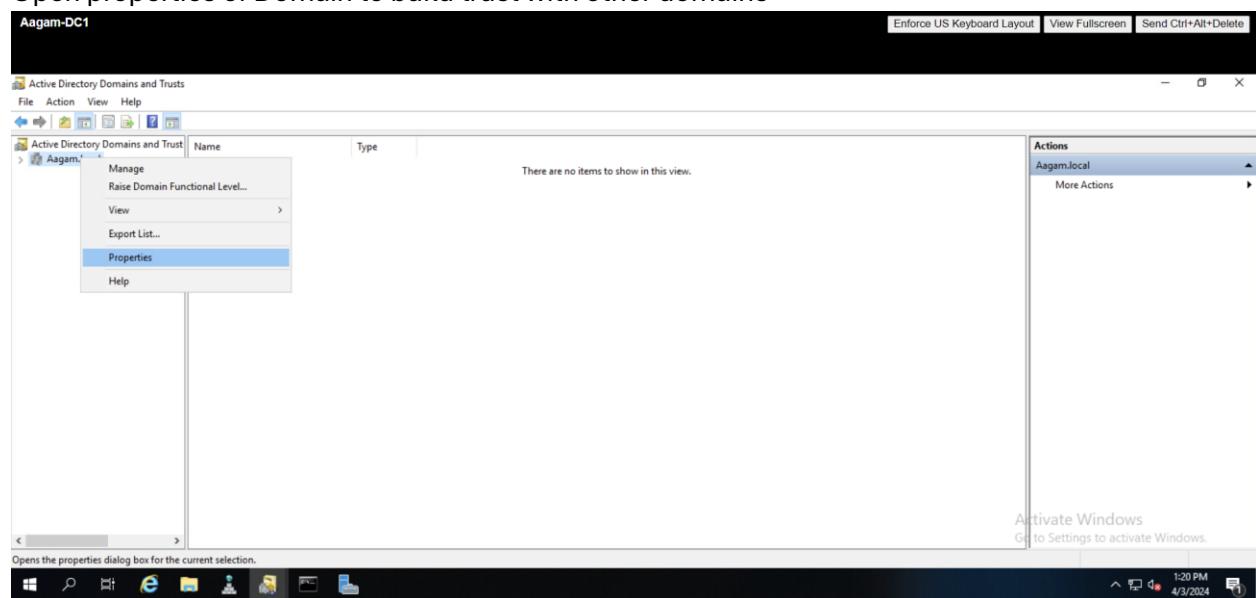


Creating Trust with other domains

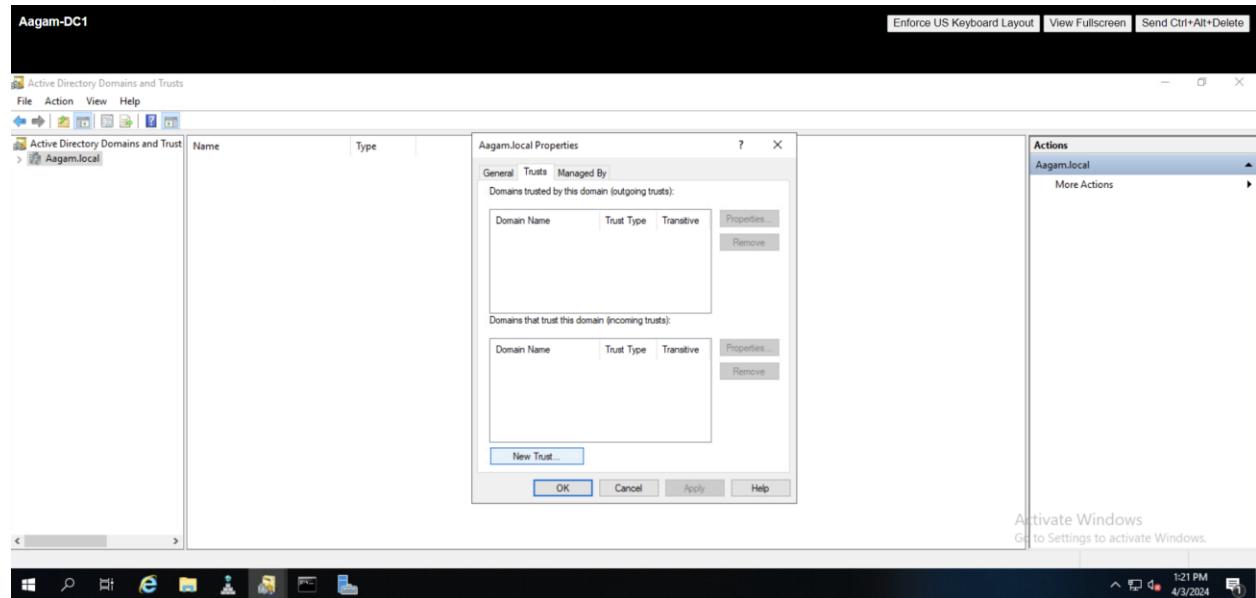
Open Active Directory Domains and Trusts



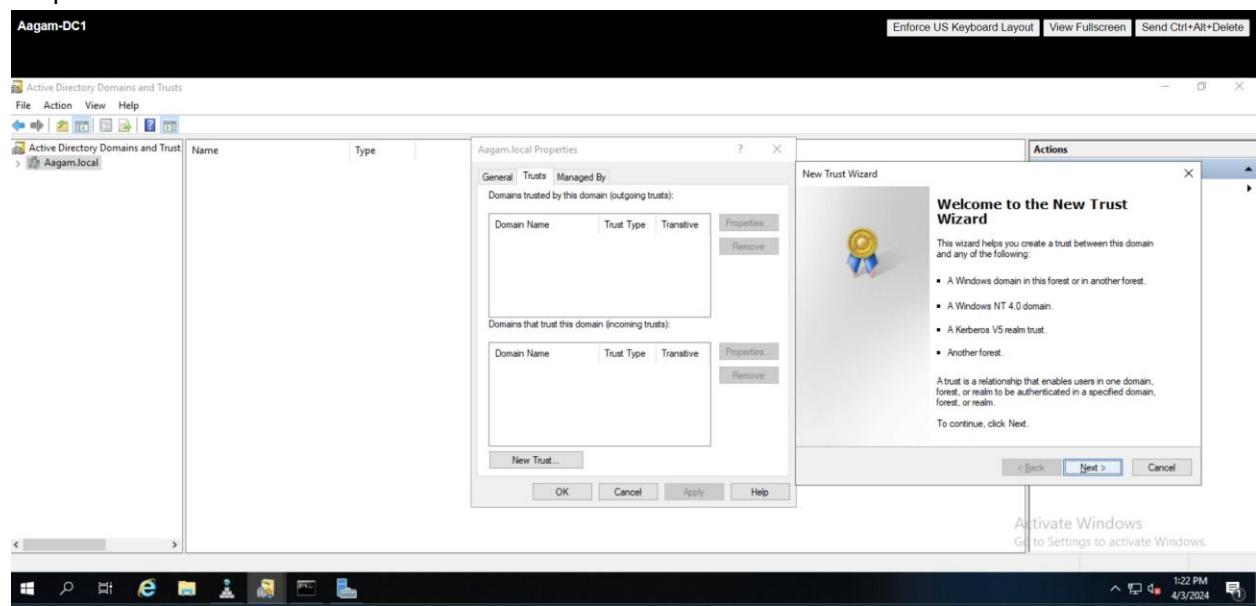
Open properties of Domain to build trust with other domains



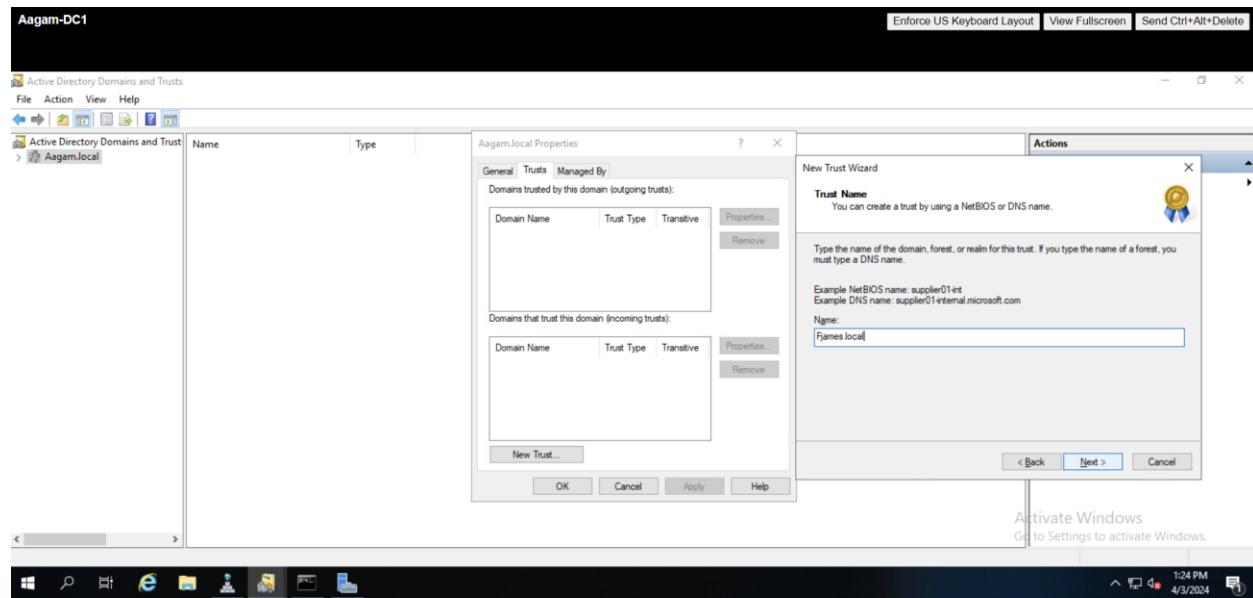
Select a new trust to join with other domains



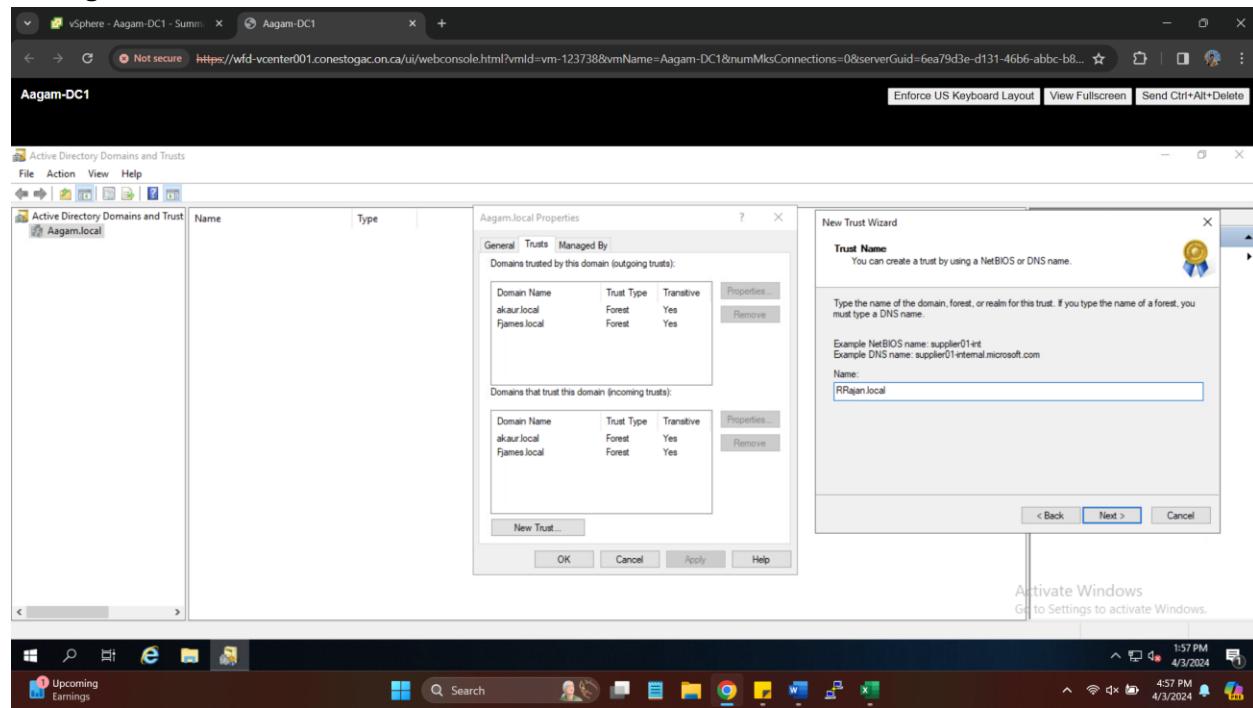
Steps to create trust with other domain of other forests



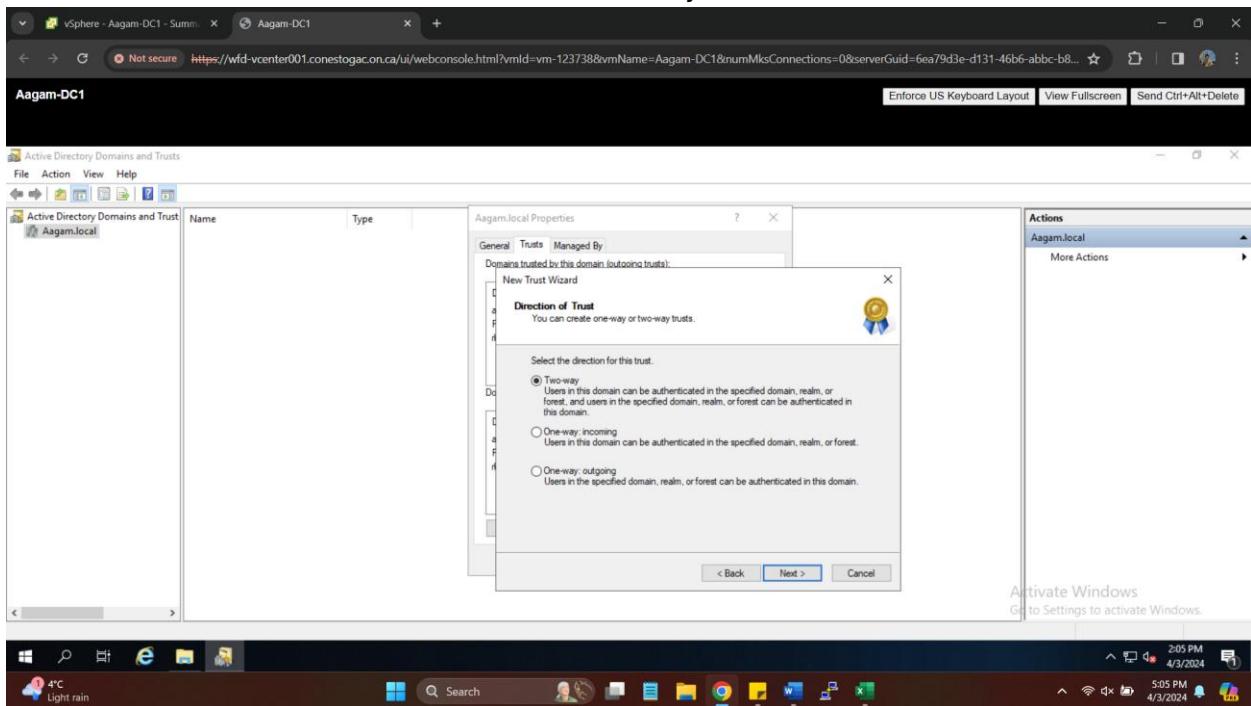
Provide domain name to build trust



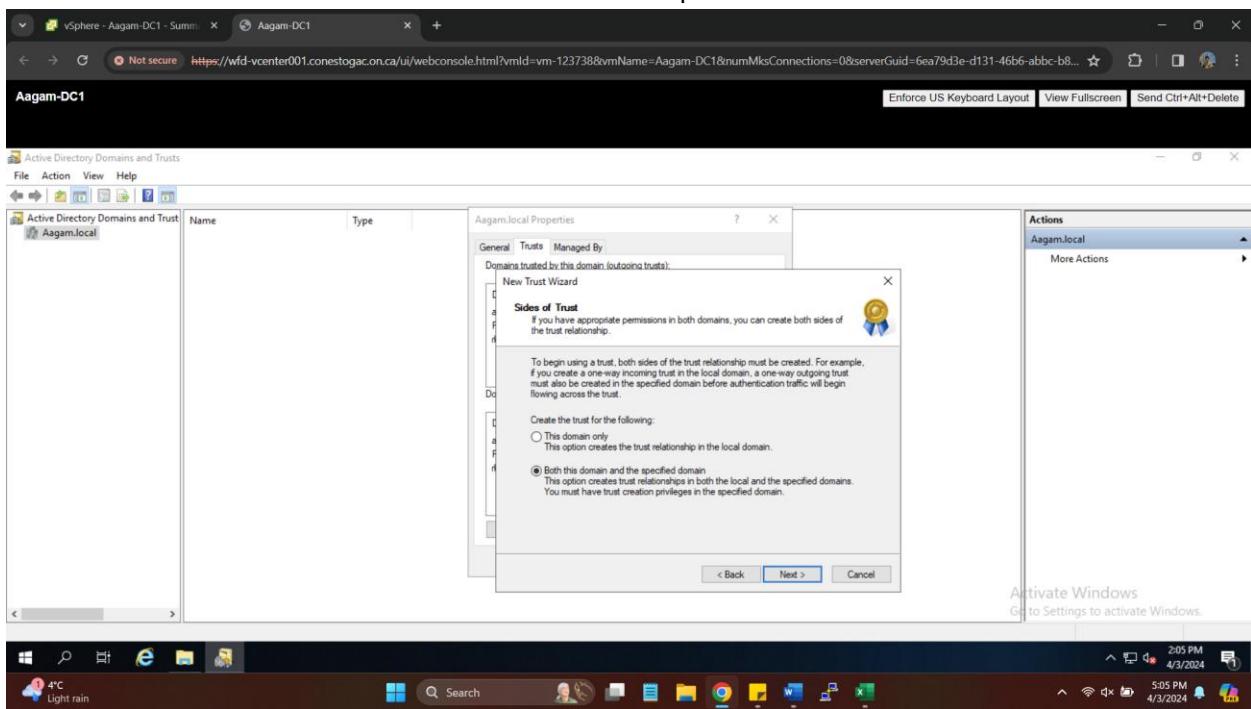
Adding domain name to build trust



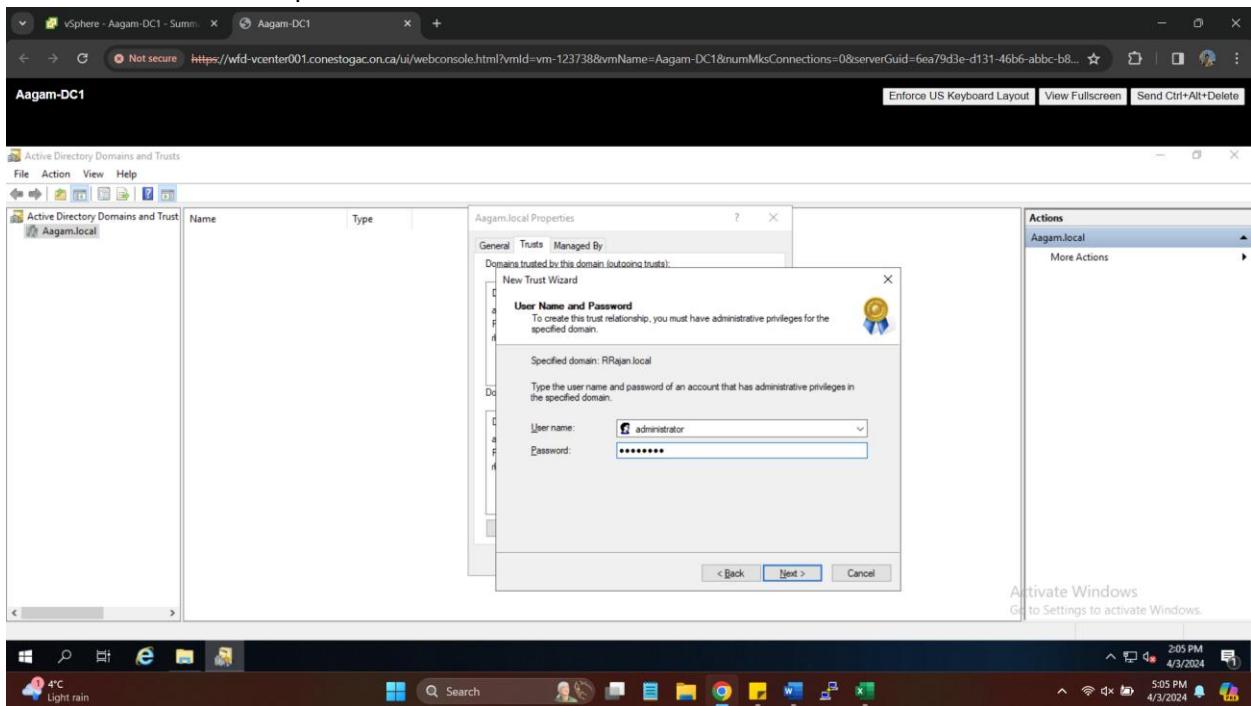
Select the forest trust and direction of trust as Two-way



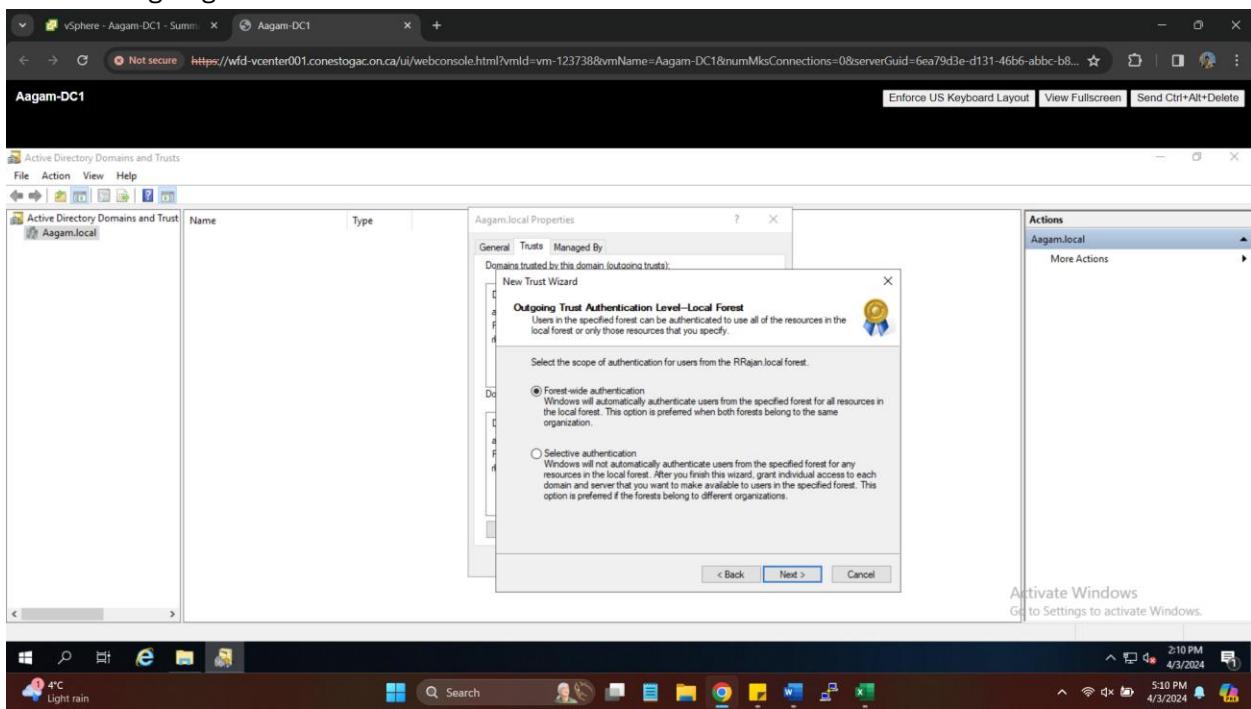
Select the sides of trust as both this domain and the specified domain



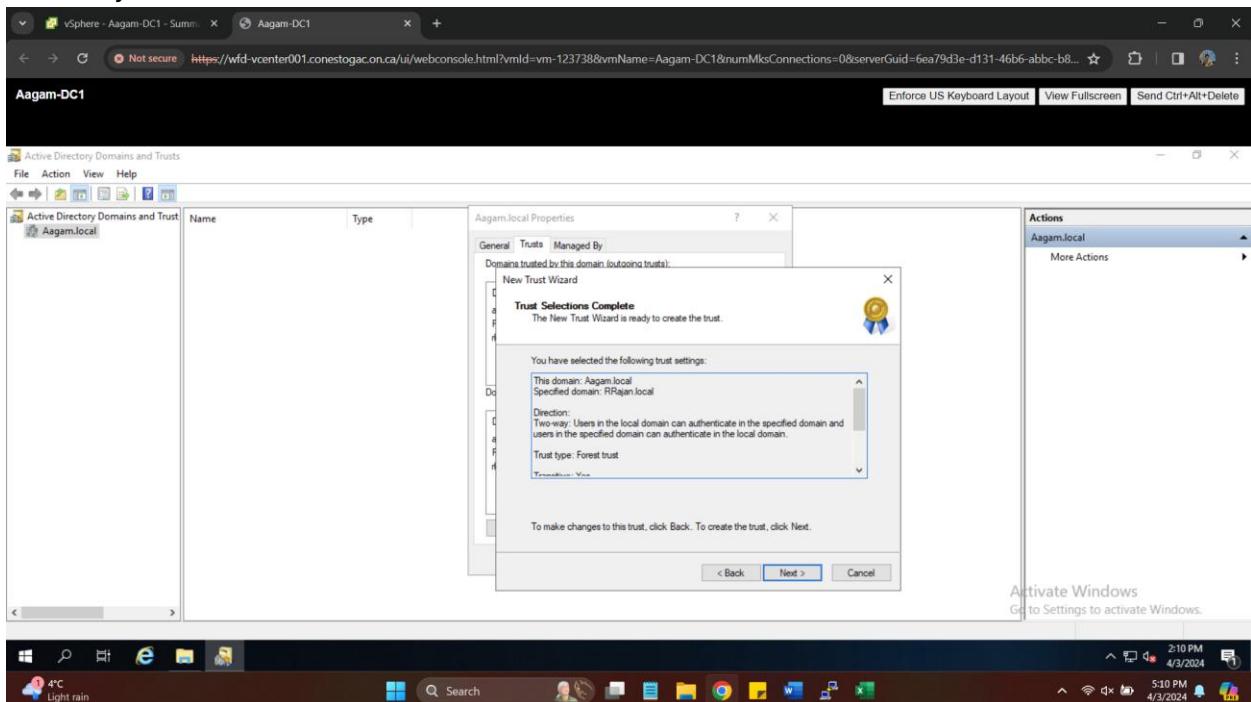
Provide username and password to create trust.



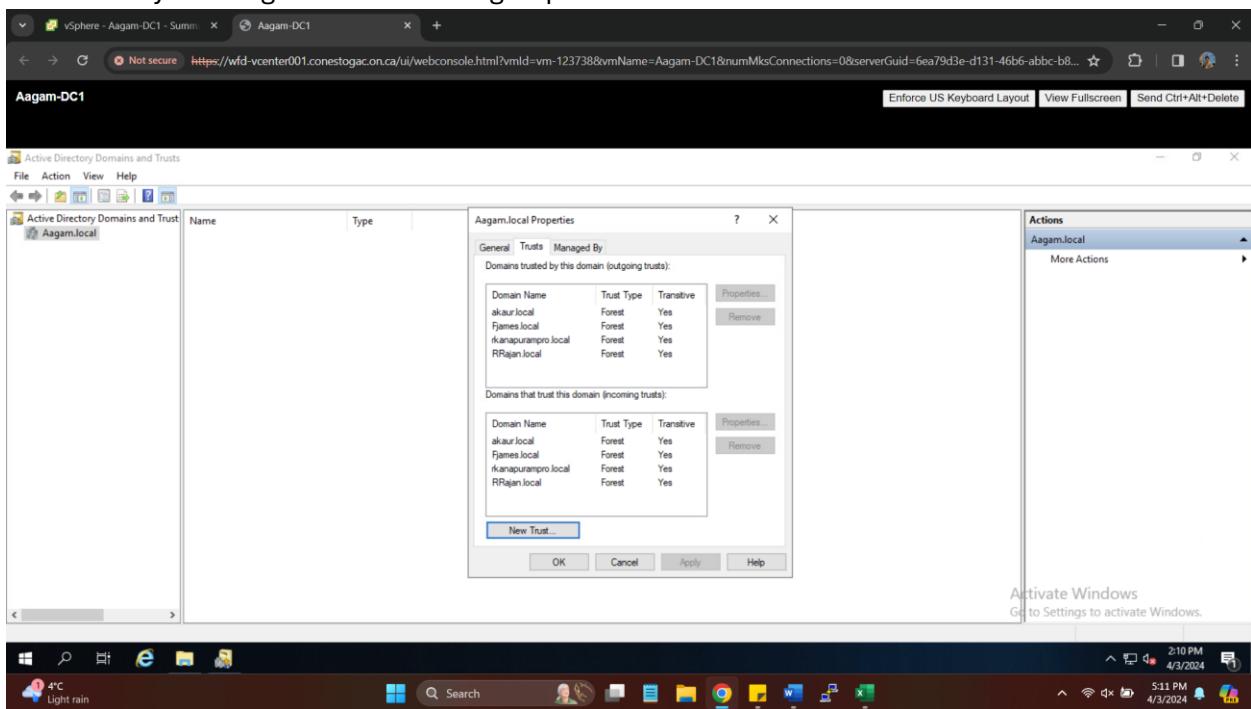
Provide outgoing trust authentication level-local forest as Forest wide authentication



Summary of selections to create trust with other domain.

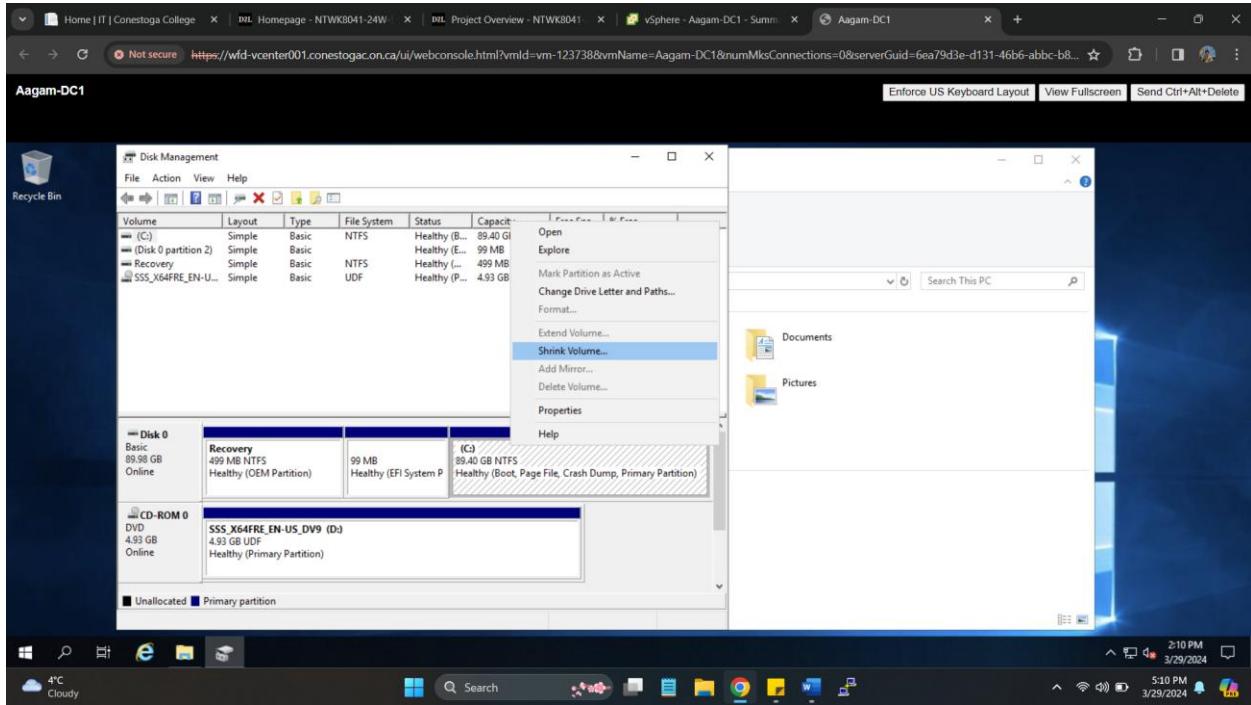


Successfully creating trust with all the group members with their domains.

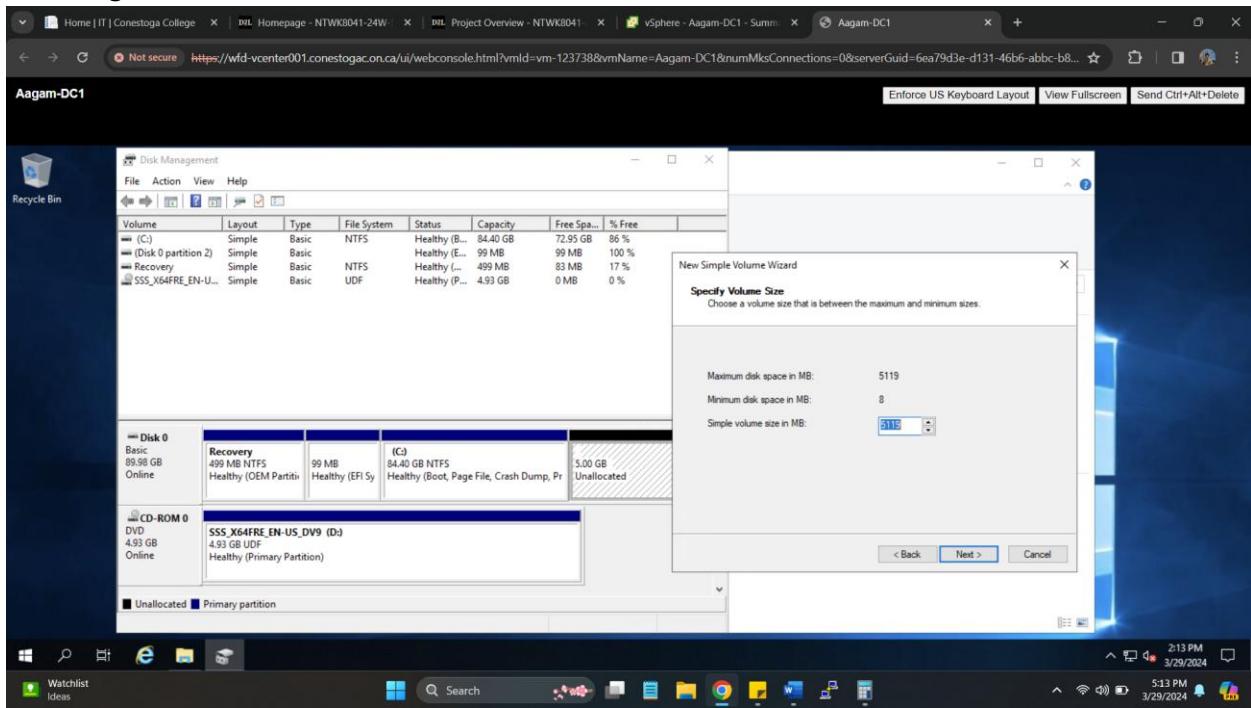


Creating 5 GB share drive

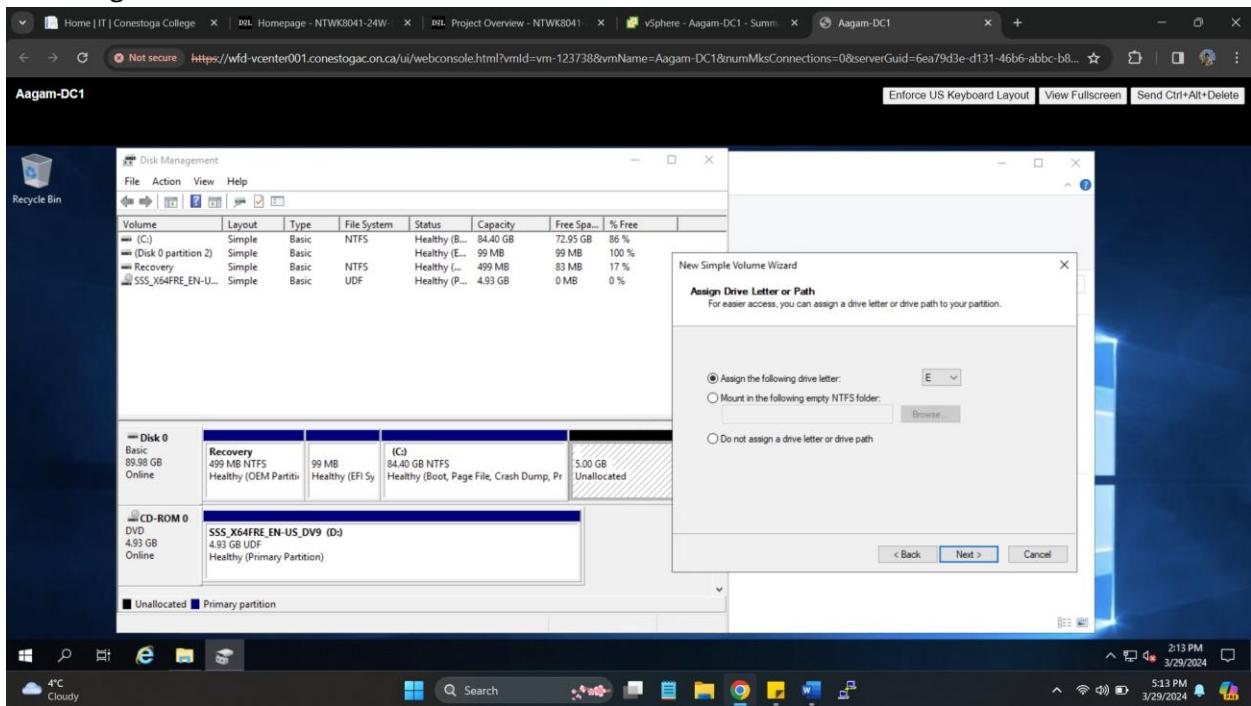
Under disk management → shrink volume



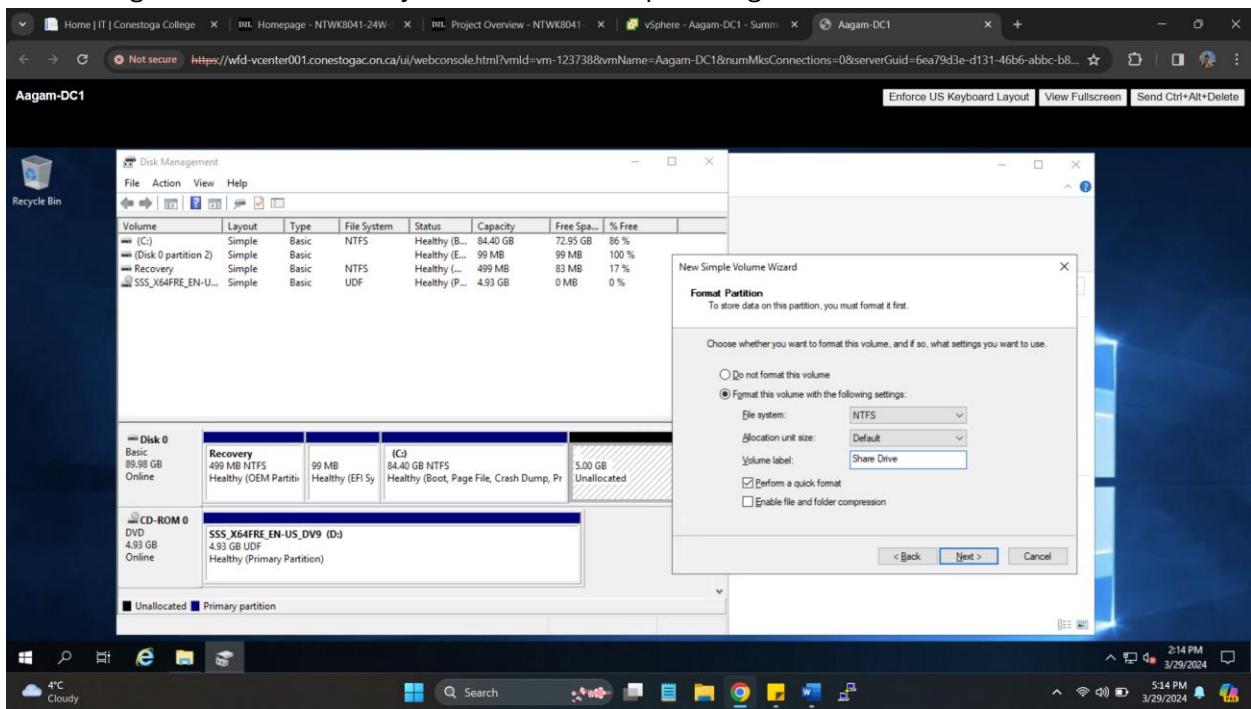
Providing size of the share drive to be created



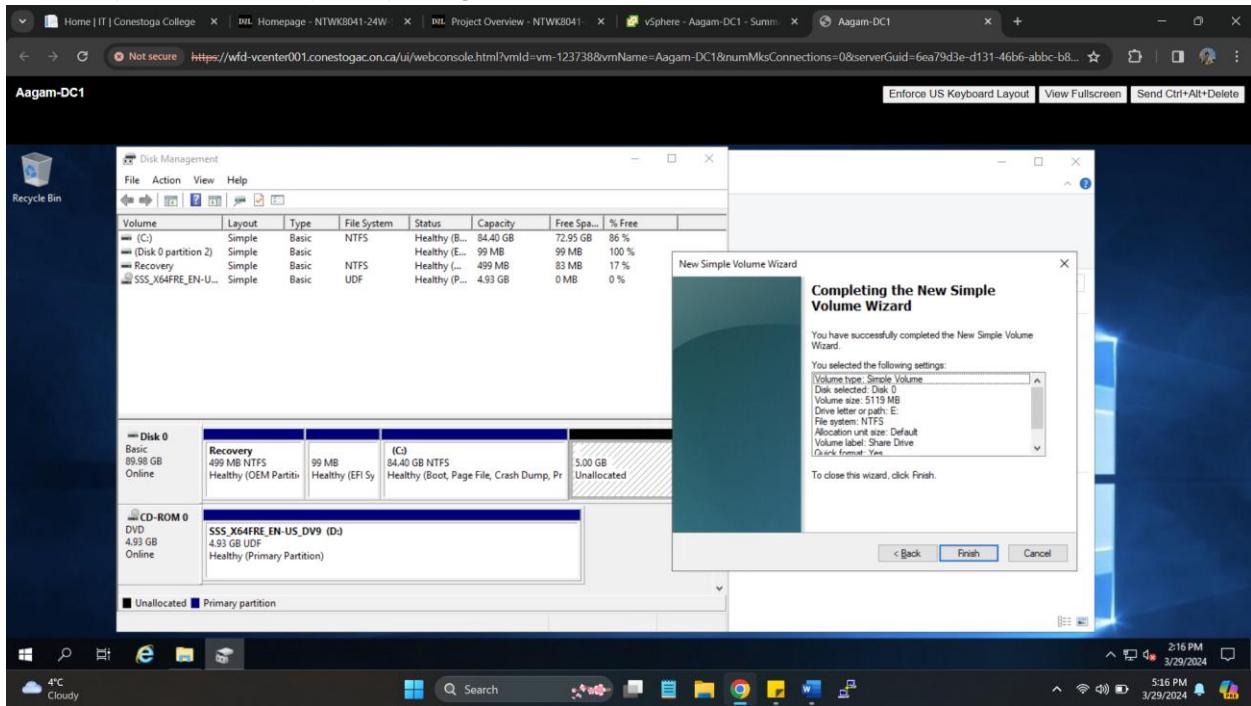
Selecting the drive letter as "E"



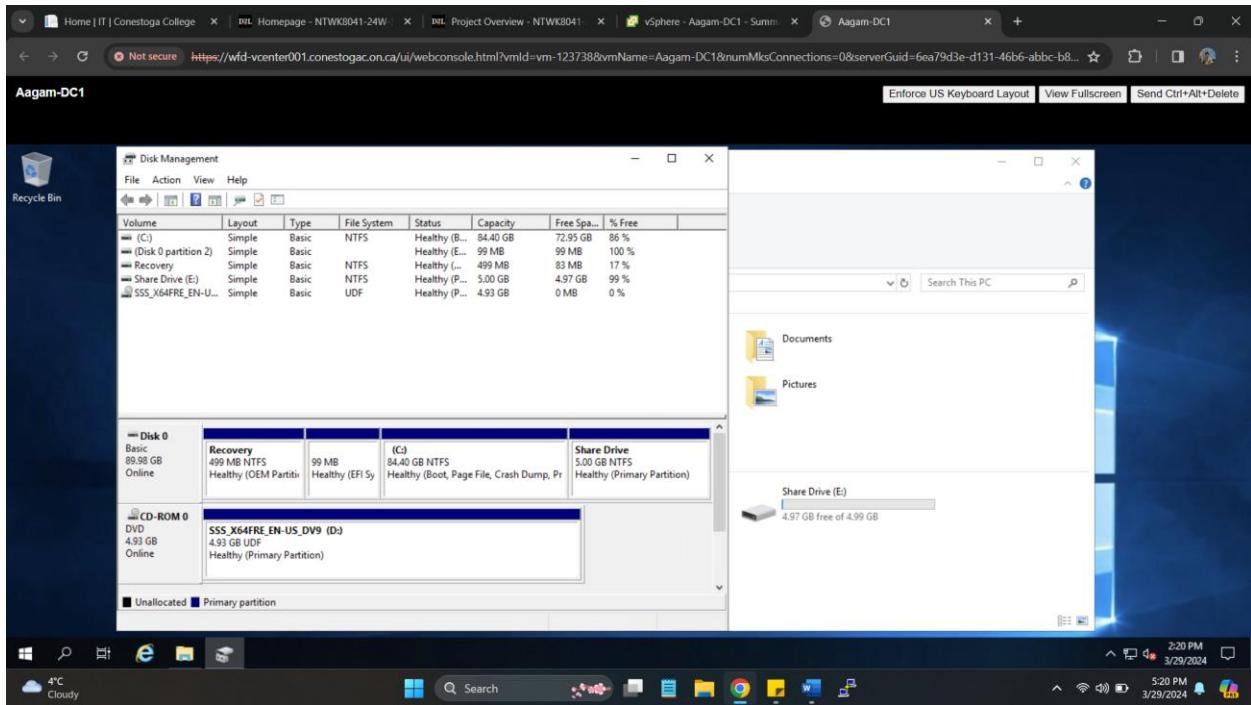
Formatting the share drive file system as NTFS and providing the volume name as Share Drive



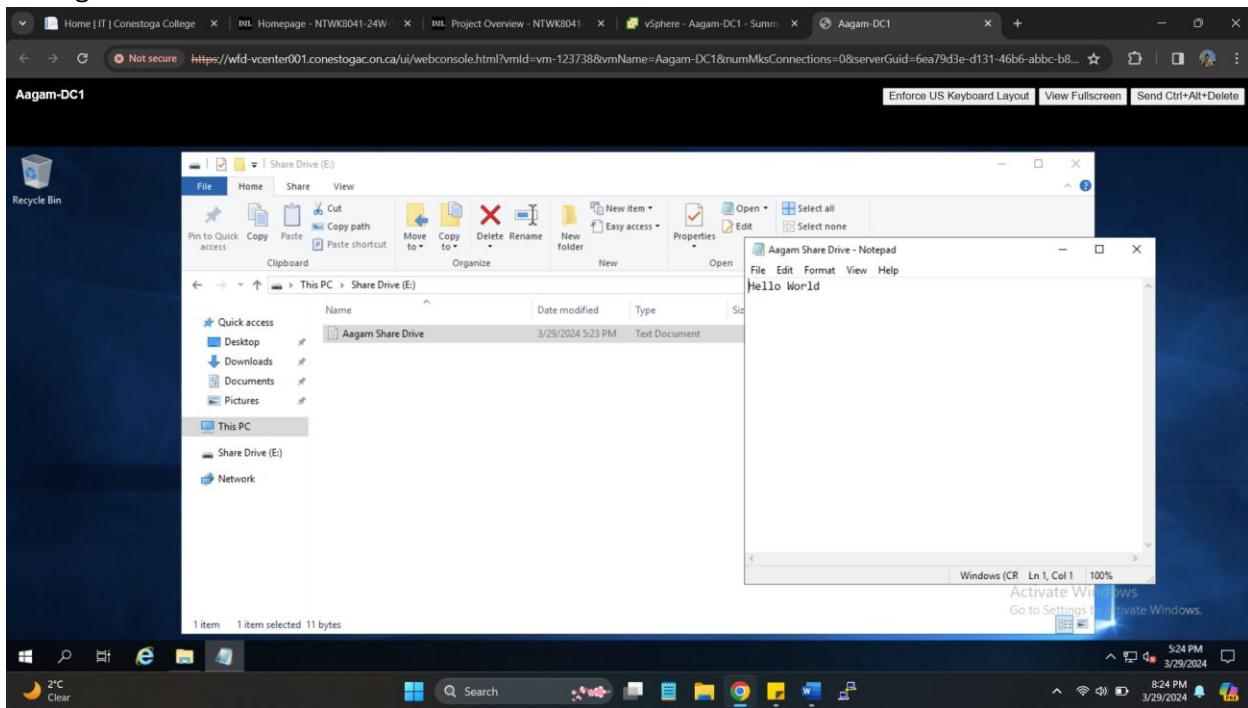
Summary of successfully completing the creation of new share drive



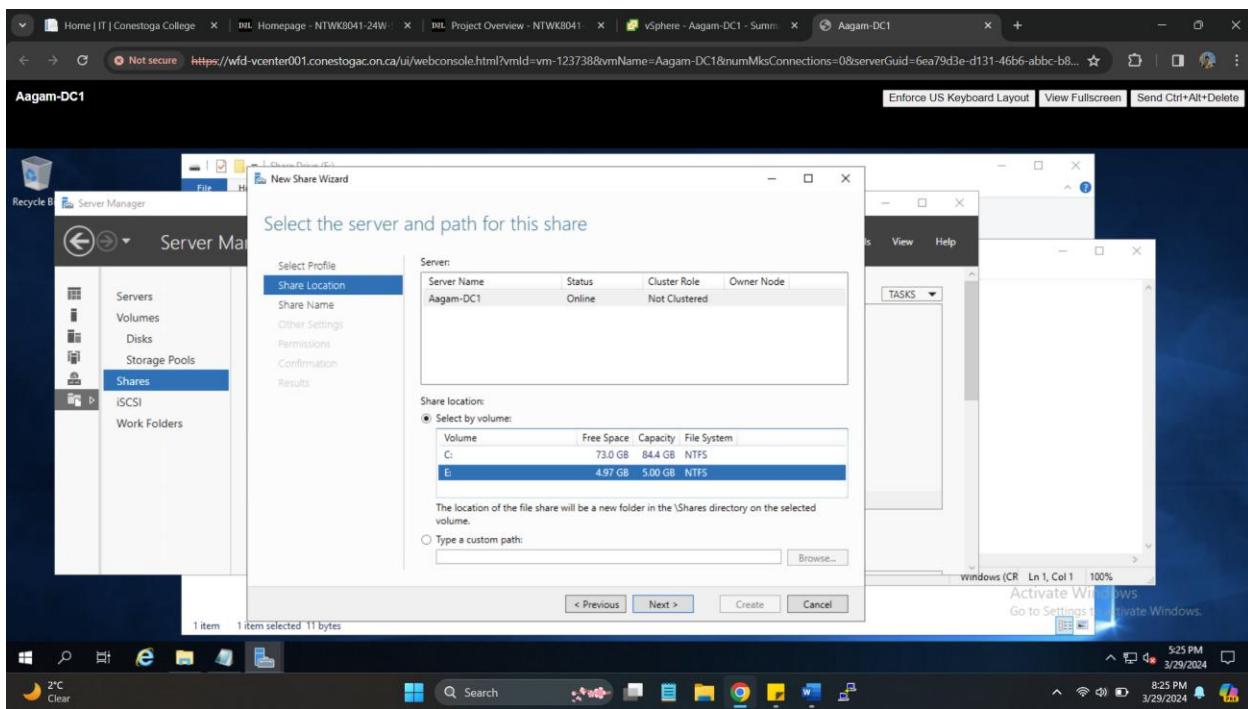
Share drive is created, and it is accessible locally like other drives.



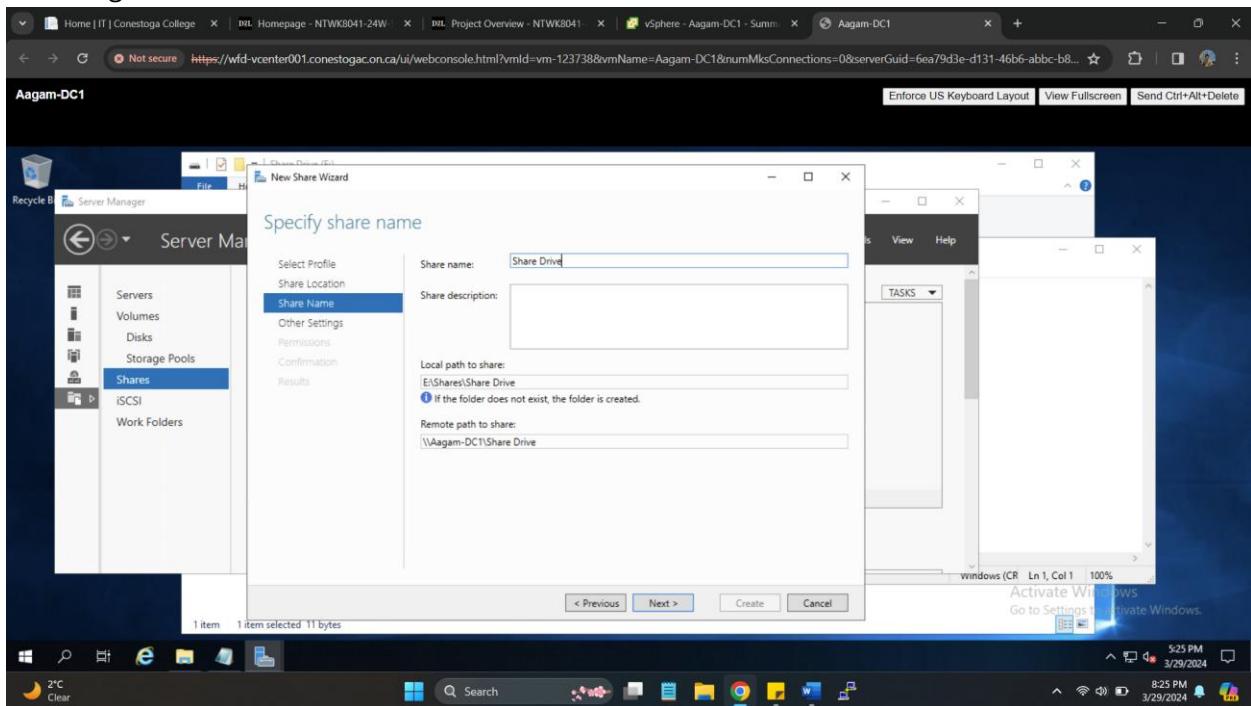
Saving a text file in the share drive.



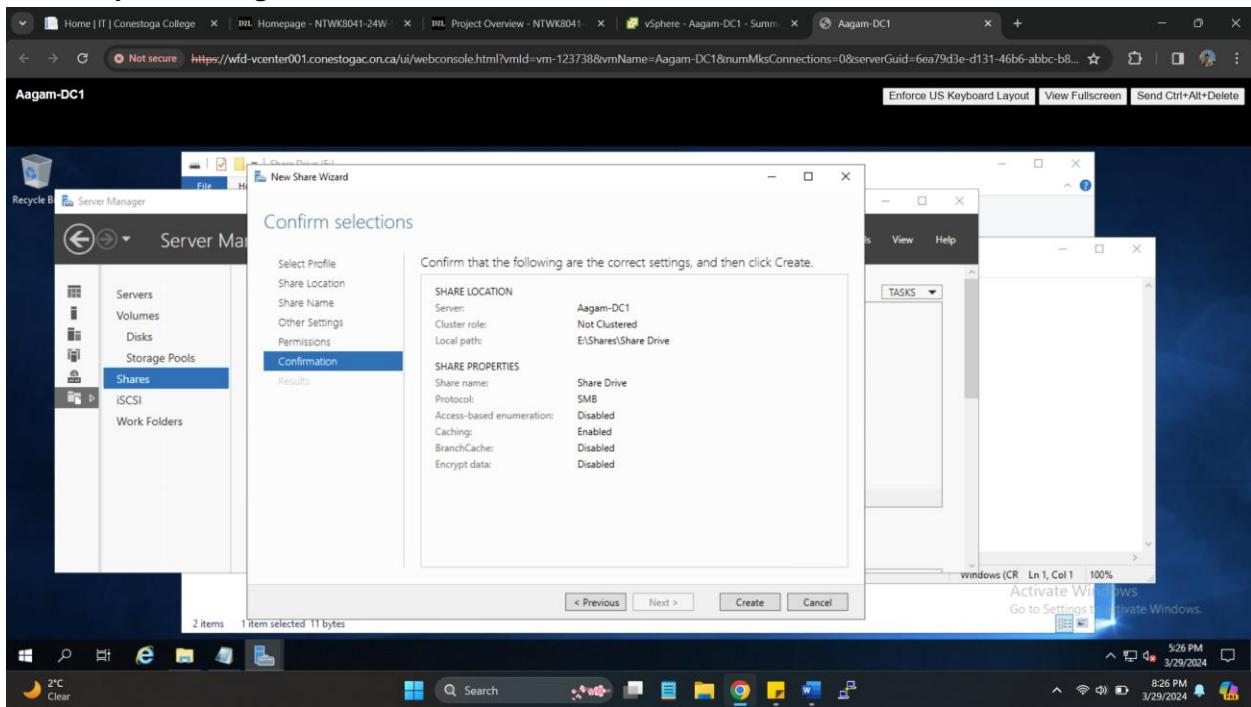
Select 5 GB share drive E:



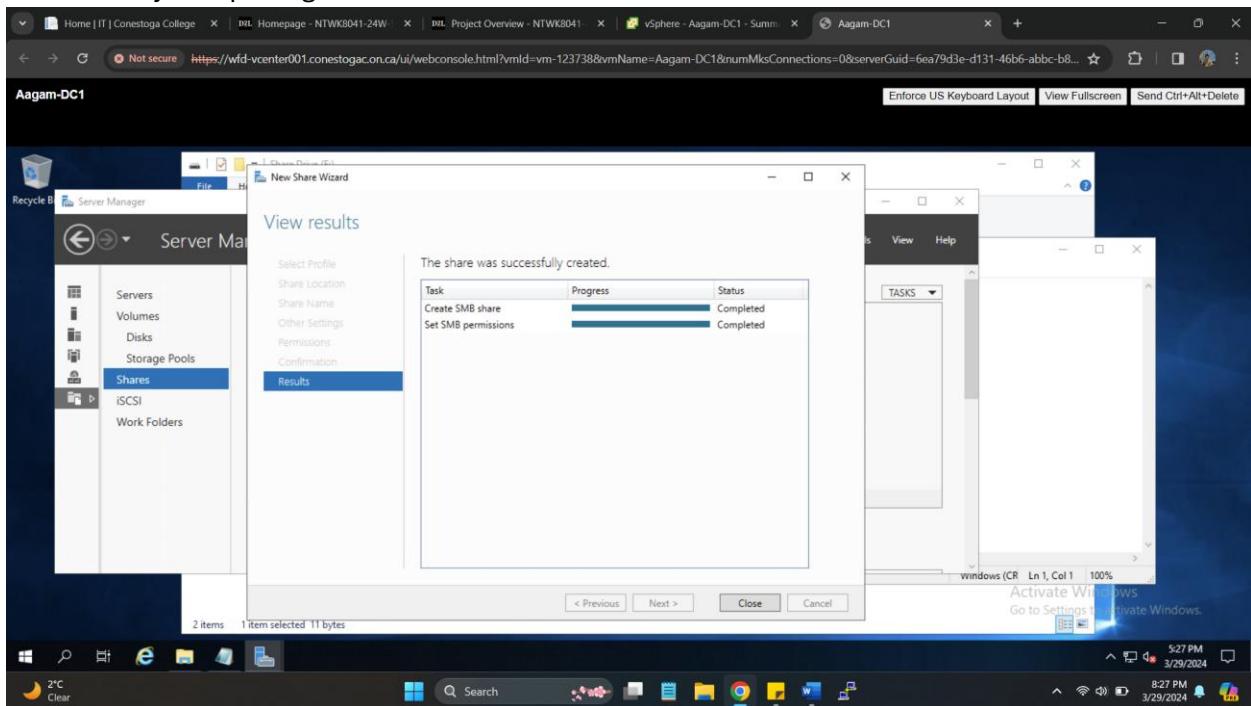
Providing name to the share drive



Summary of creating share drive

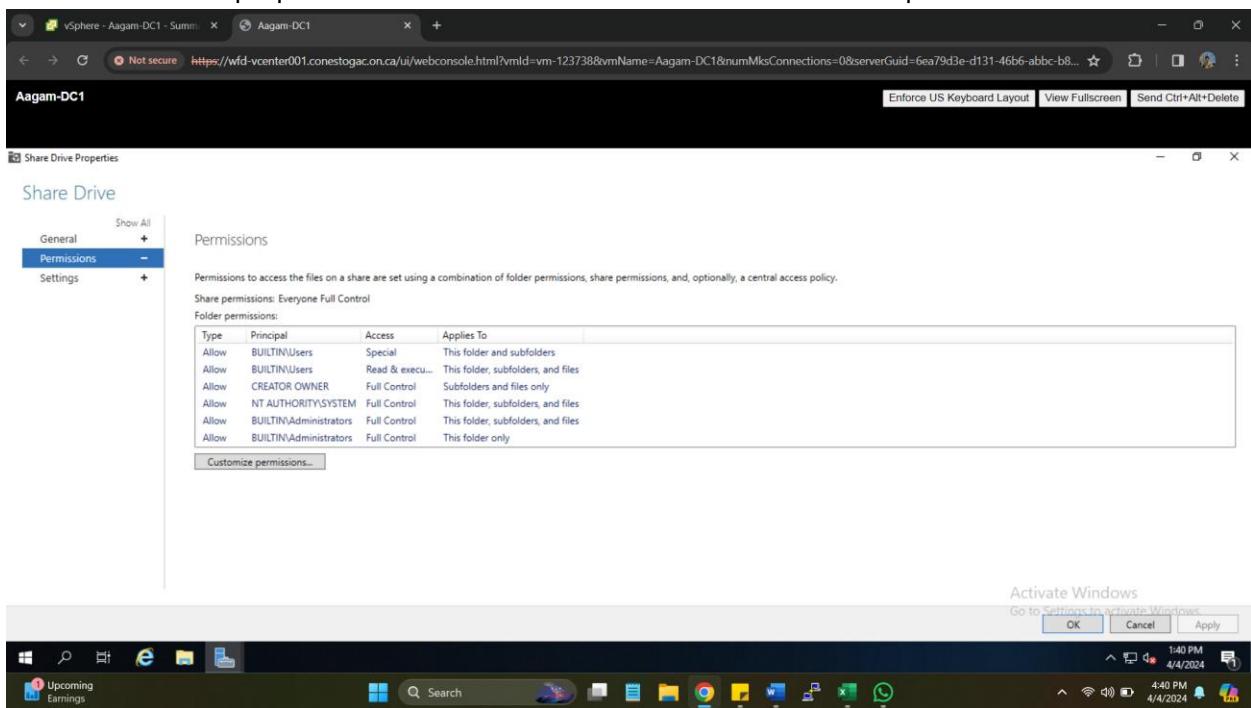


Successfully completing the creation of share drive.

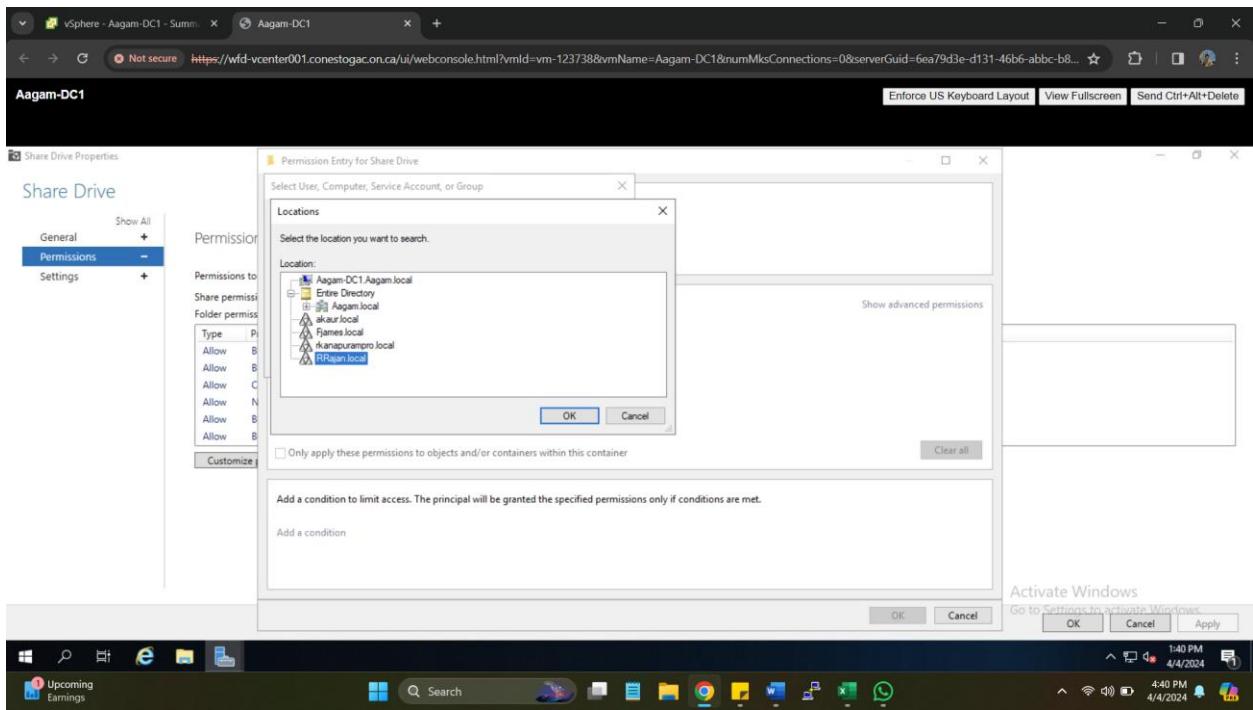


Providing Share Drive access and permission to group members.

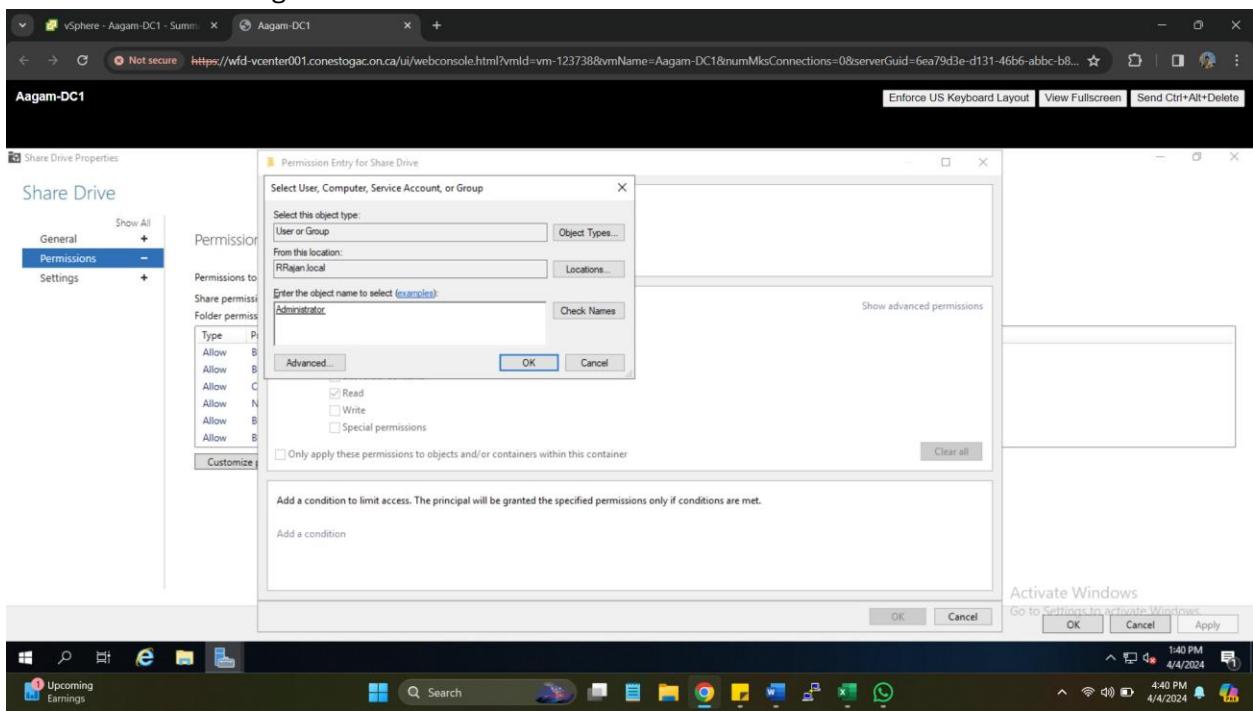
Under share drive properties → Share Drive → Permissions → customize permissions



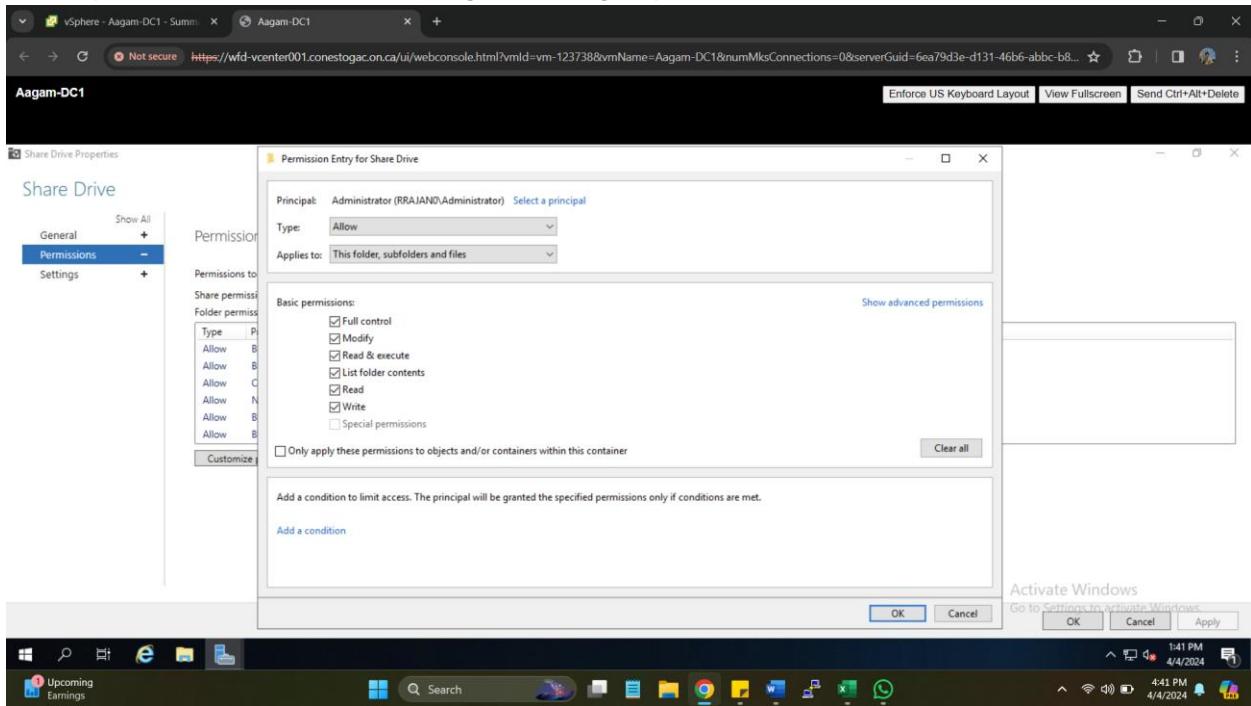
Select the location of each domain users



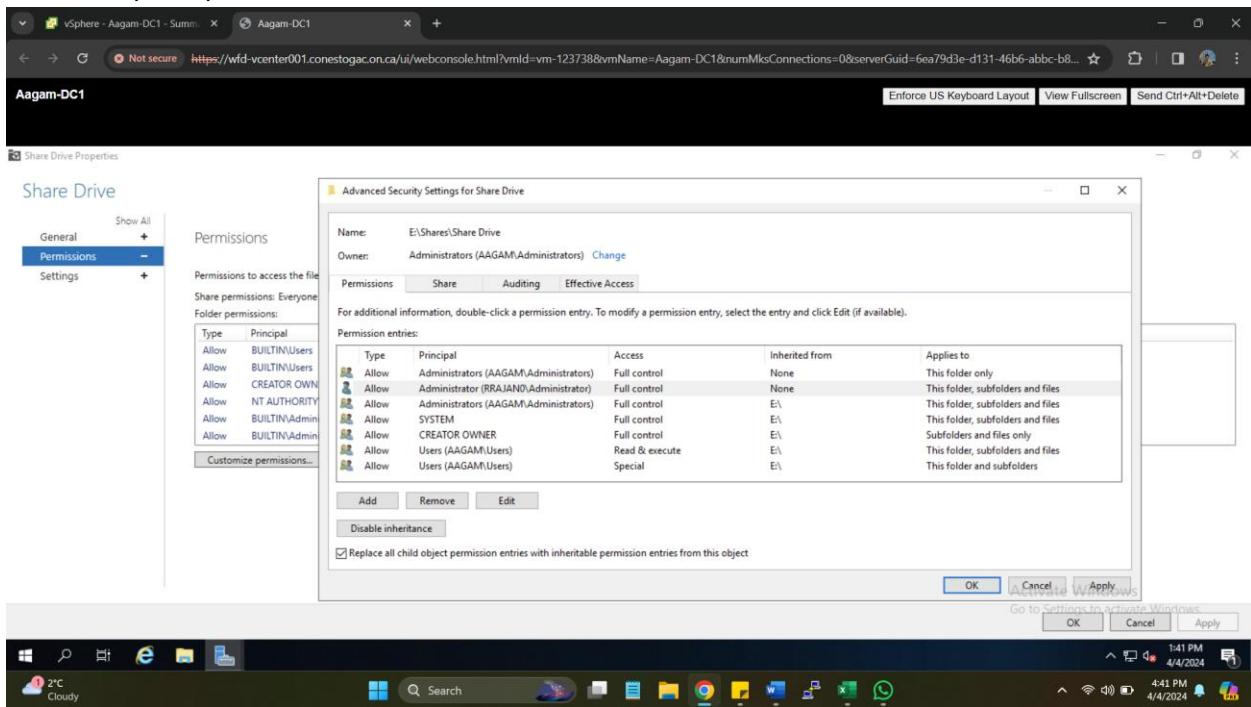
Provide username to give access to share drive



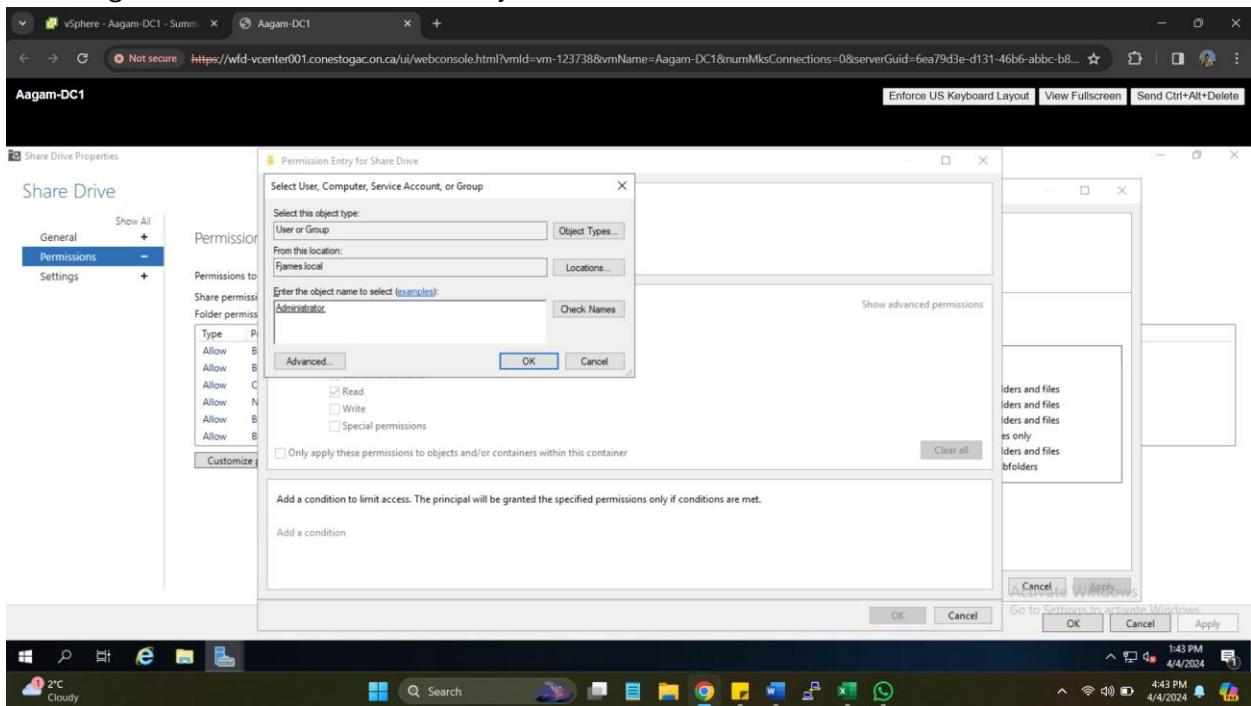
Select permissions that needs to be granted to group member user.



The list of principals shows who has access to the shared drive.

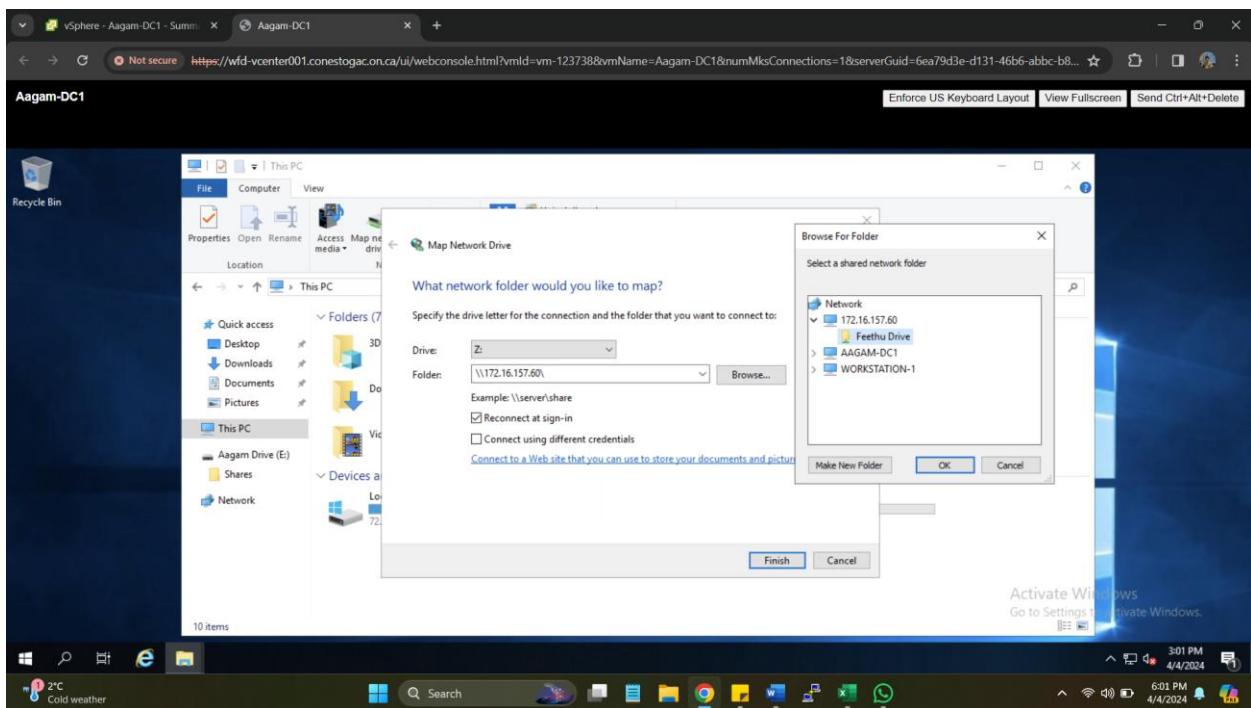


Providing access to user from domain Fjames.local

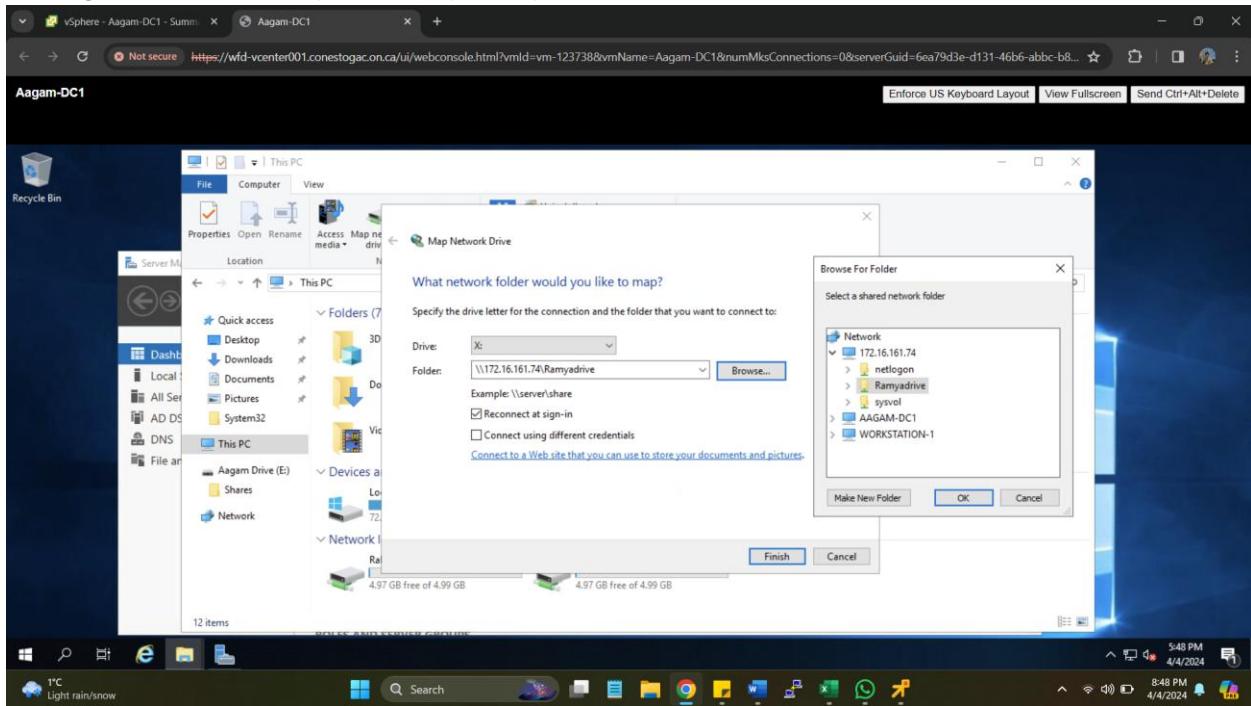


Mapping Share drives of group members

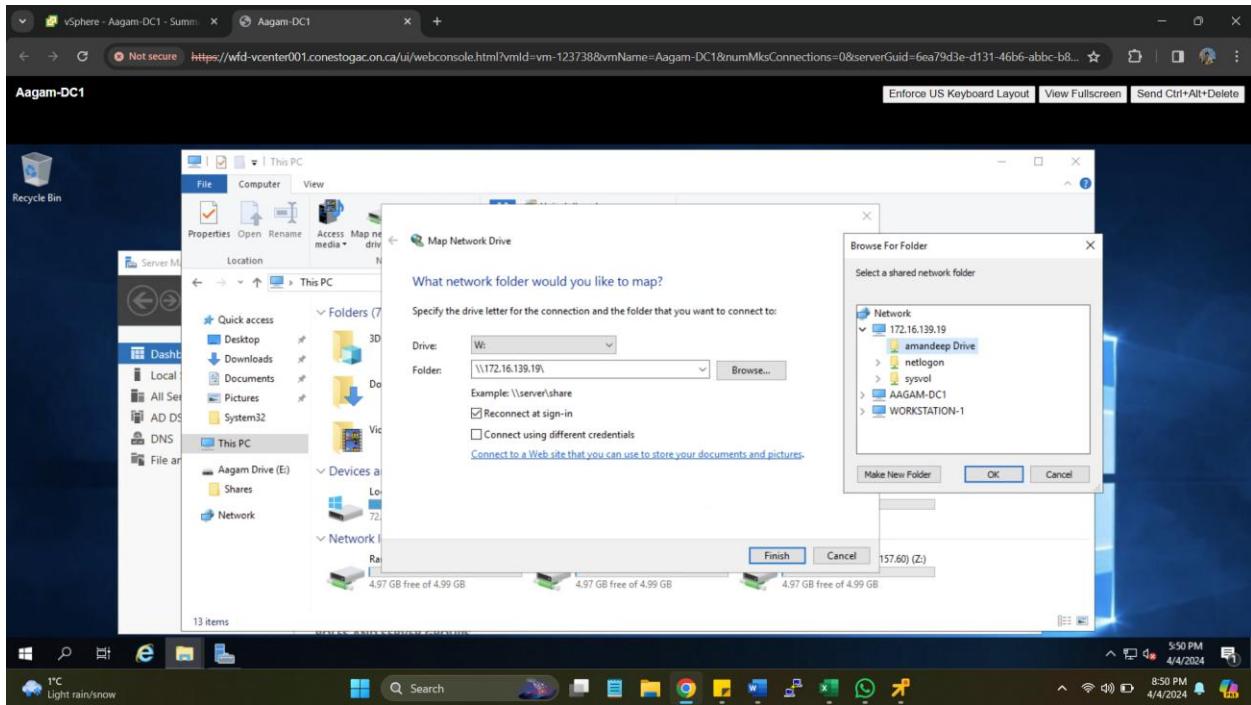
Linking share drive “Feethu Drive” by Group leader



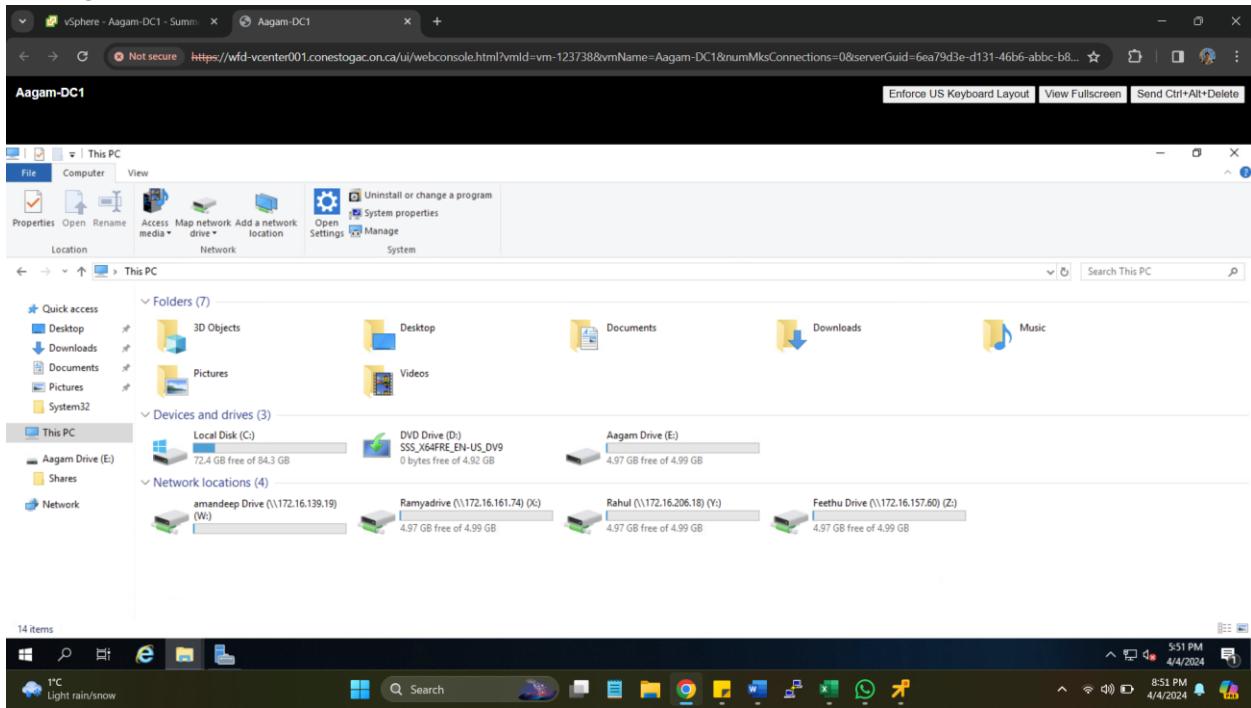
Linking share drive “Ramya Drive” by Group leader



Linking share drive “Amandeep Drive” by Group leader

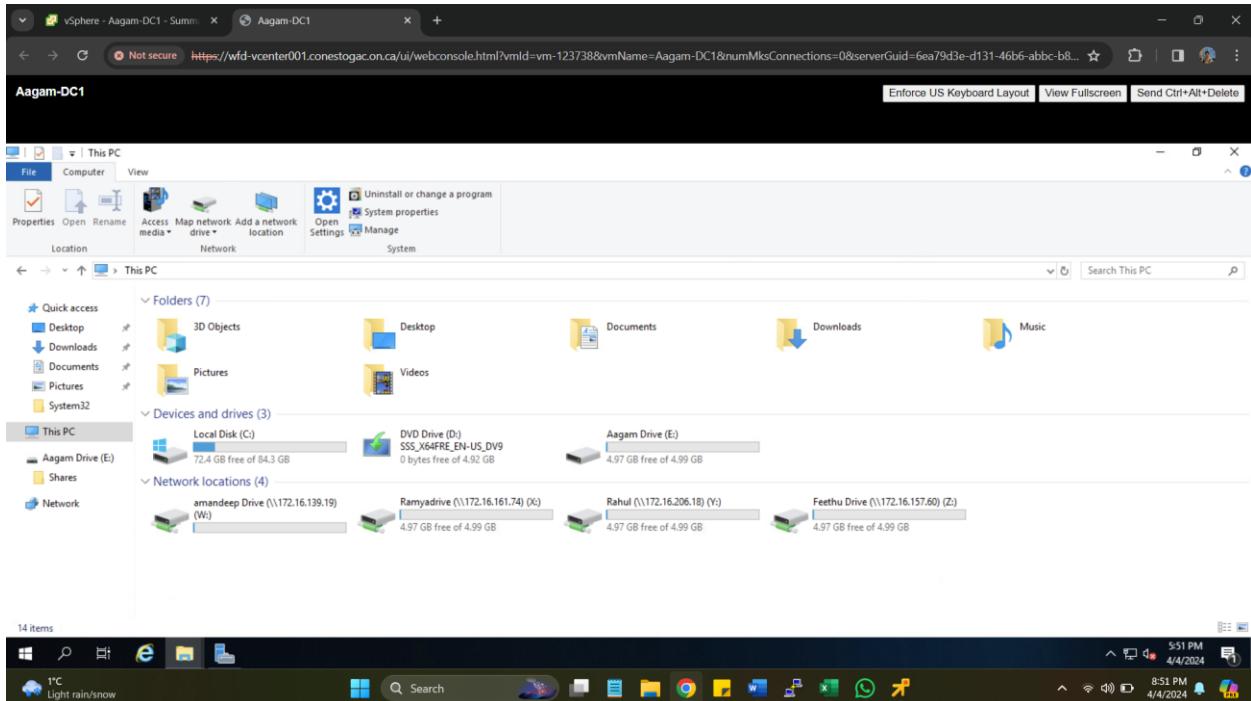


Linking share drive

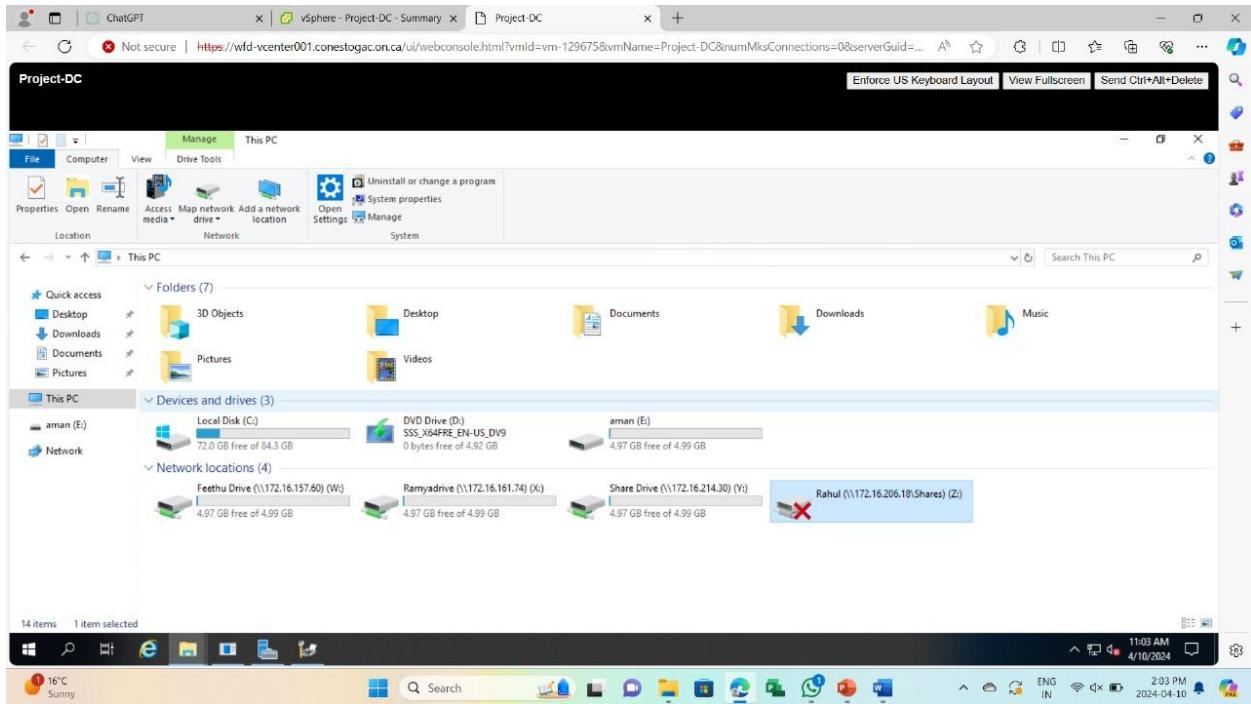


Share Drive all members are accessible by Group Leader

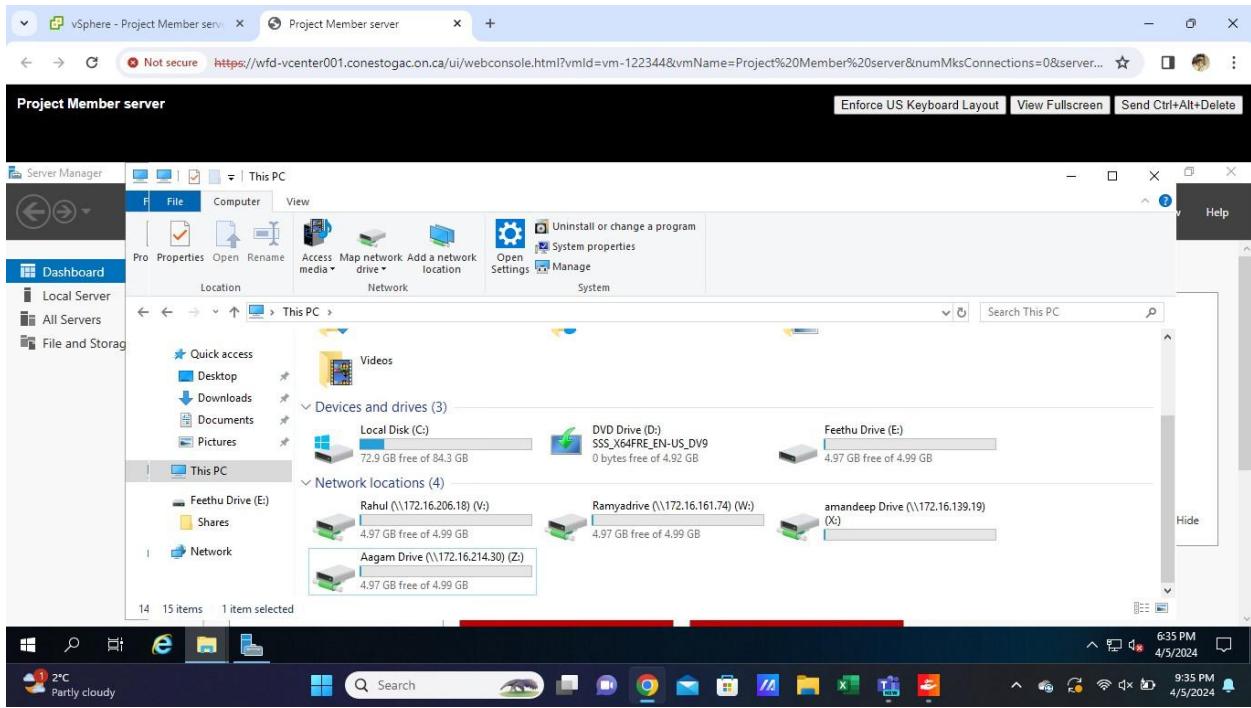
Group Member 1: Aagam.local



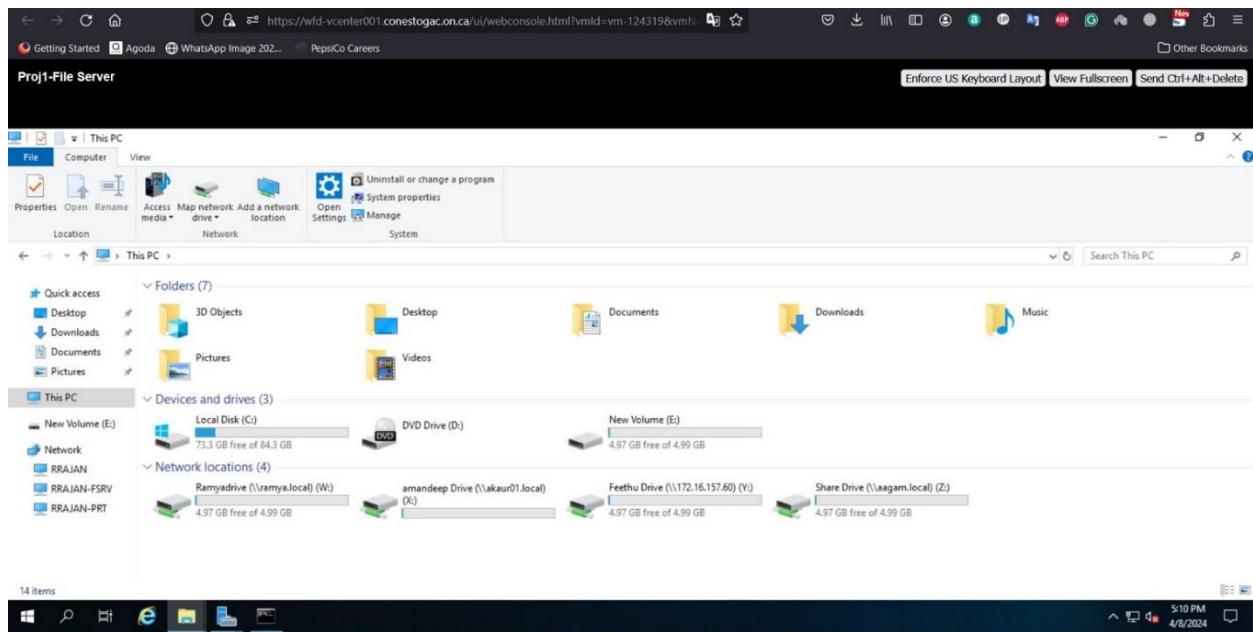
Group Member 2: akaur01.local



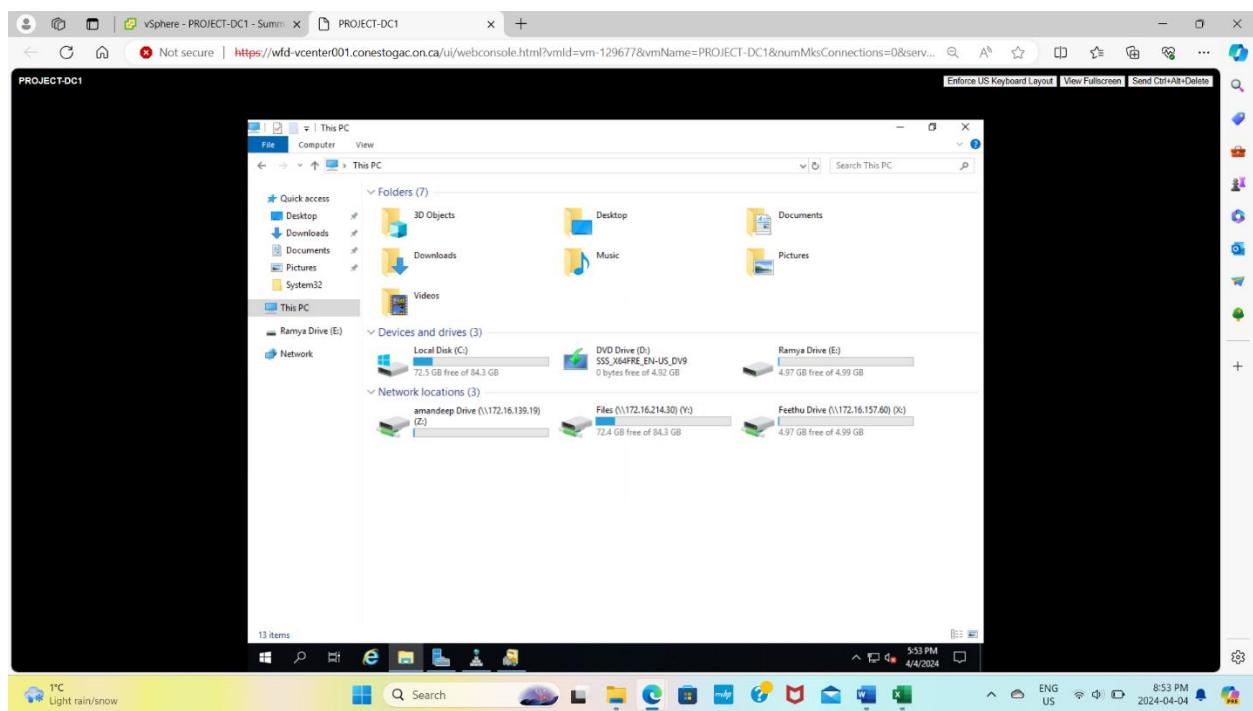
Group Member 3: Fjames.local



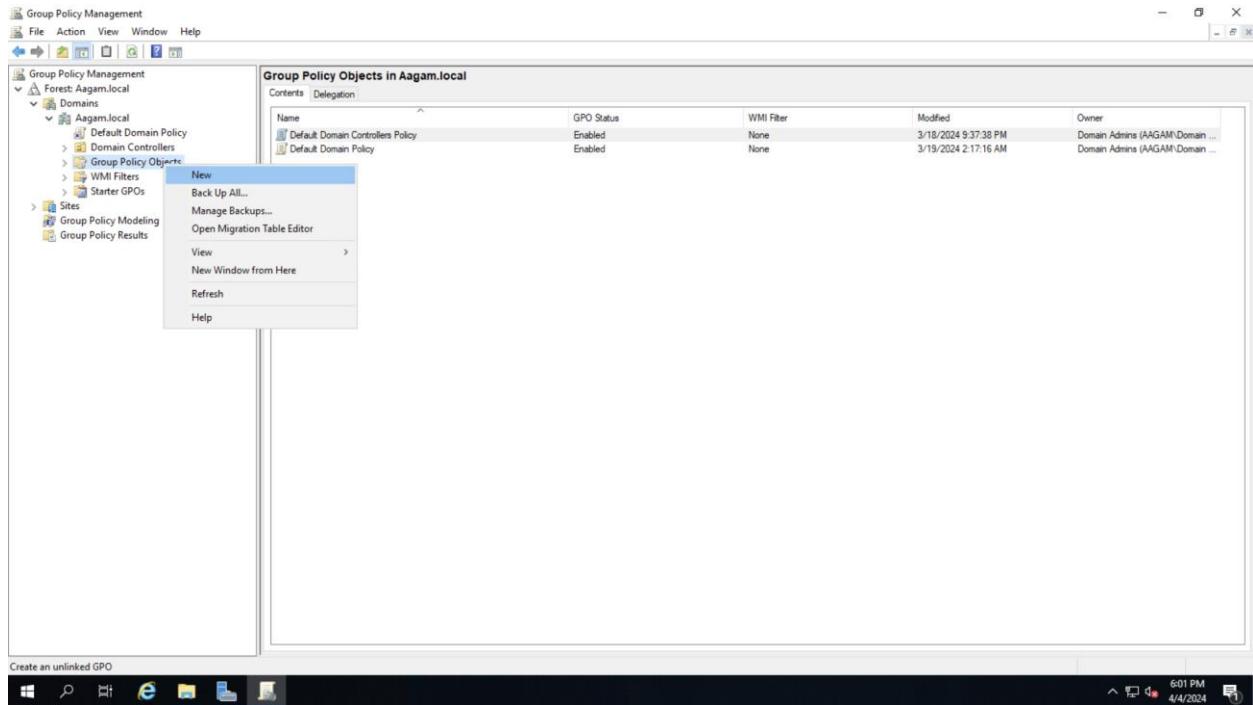
Group Member 4: RRajan.local



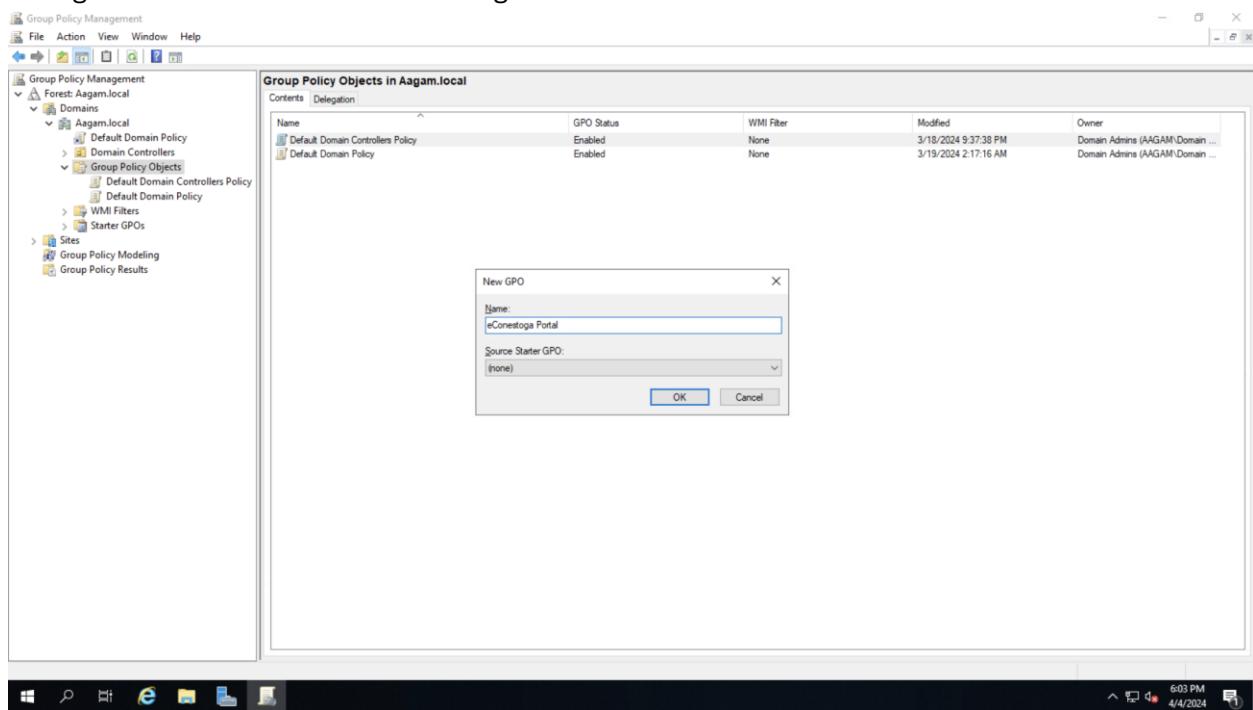
Group Member 5: ramya.local



Creating GPO for eConestoga homepage



Giving name for new GPO as eConestoga Portal



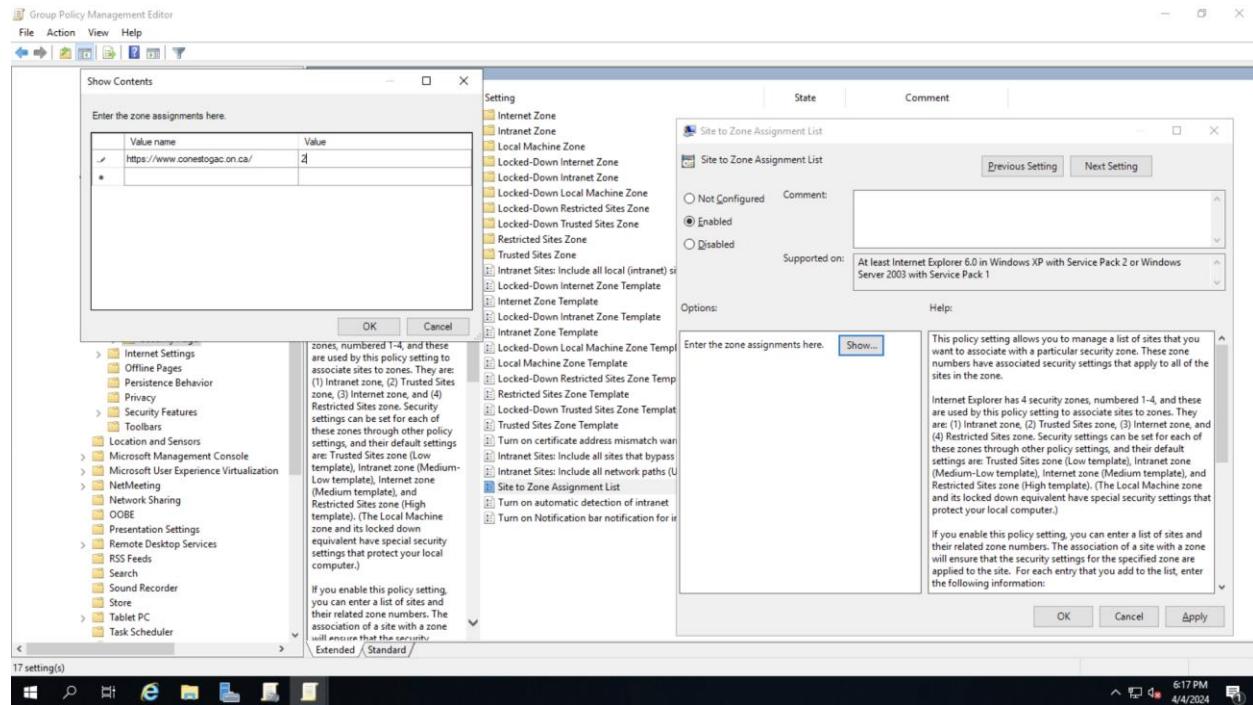
Select settings from user preference • administrative templates policy definitions →windows components• Internet explorer→Disable Changing home page settings.

Setting	State	Comment
Use the Enterprise Mode IE website list	Not configured	No
Allow Internet Explorer 8 shutdown behavior	Not configured	No
Disable Import/Export Settings wizard	Not configured	No
Turn off page-zooming functionality	Not configured	No
Turn off browser geolocation	Not configured	No
Identity Manager: Prevent users from using Identities	Not configured	No
Configure Media Explorer Bar	Not configured	No
Specify default behavior for a new tab	Not configured	No
Turn off page-zooming functionality	Not configured	No
Prevent running First Run wizard	Not configured	No
Prevent access to Internet Explorer Help	Not configured	No
Prevent Internet Explorer Search box from appearing	Not configured	No
Turn off Quick Tabs functionality	Not configured	No
Prevent changing the default search provider	Not configured	No
Turn off configuration of pop-up windows in tabbed browser	Not configured	No
Turn off tabbed browsing	Not configured	No
Prevent configuration of how windows open	Not configured	No
Notify users if Internet Explorer is not the default web browser	Not configured	No
Configure Outlook Express	Not configured	No
Specify use of ActiveX/Installer Service for installation of ActiveX controls	Not configured	No
Pop-up allow list	Not configured	No
Disable changing accessibility settings	Not configured	No
Disable changing Automatic Configuration settings	Not configured	No
Disable changing Temporary Internet files settings	Not configured	No
Disable changing Calendar and Contact settings	Not configured	No
Disable changing certificate settings	Not configured	No
Disable changing default browser check	Not configured	No
Disable changing color settings	Not configured	No
Disable changing connection settings	Not configured	No
Disable Internet Connection wizard	Not configured	No
Disable changing font settings	Not configured	No
Disable AutoComplete for forms	Not configured	No
Turn on the auto-complete feature for user names and passwords	Not configured	No
Disable changing home page settings	Not configured	No
Send all sites not included in the Enterprise Mode Site List to...	Not configured	No

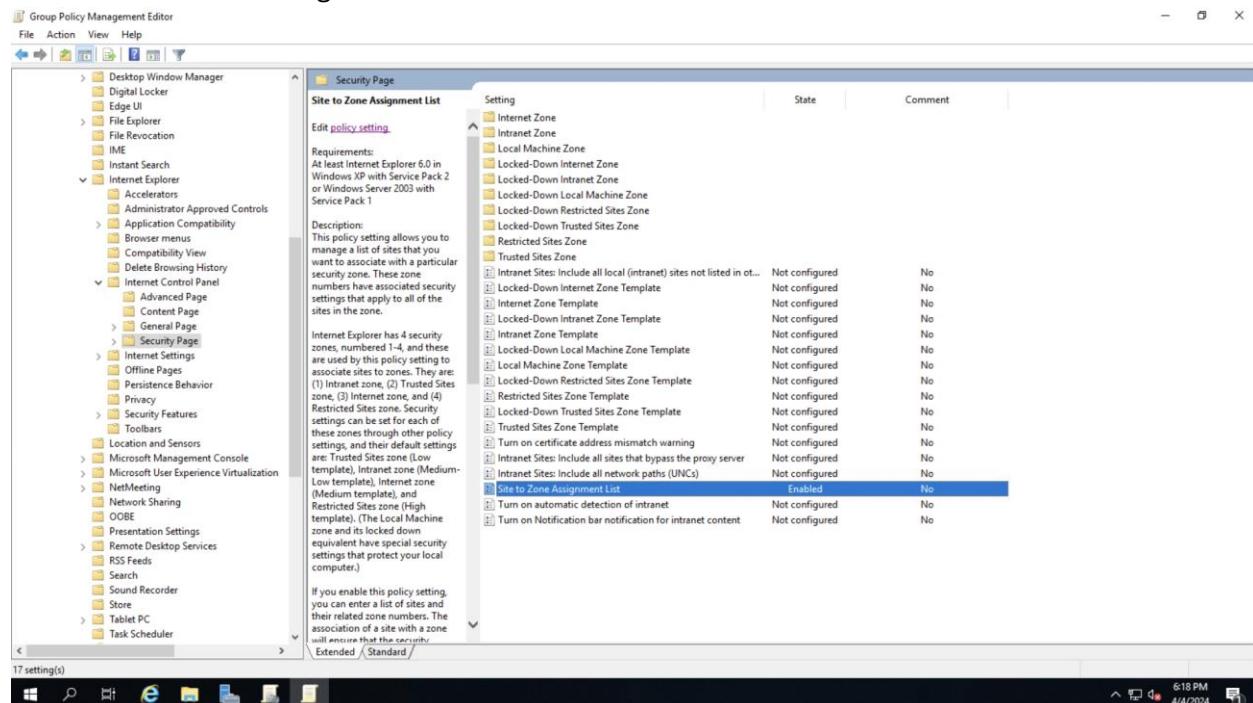
Select the enabled option and provide <https://www.conestogac.on.ca/> as the home page

Setting	State	Comment
Configure Media Explorer Bar	Not configured	No

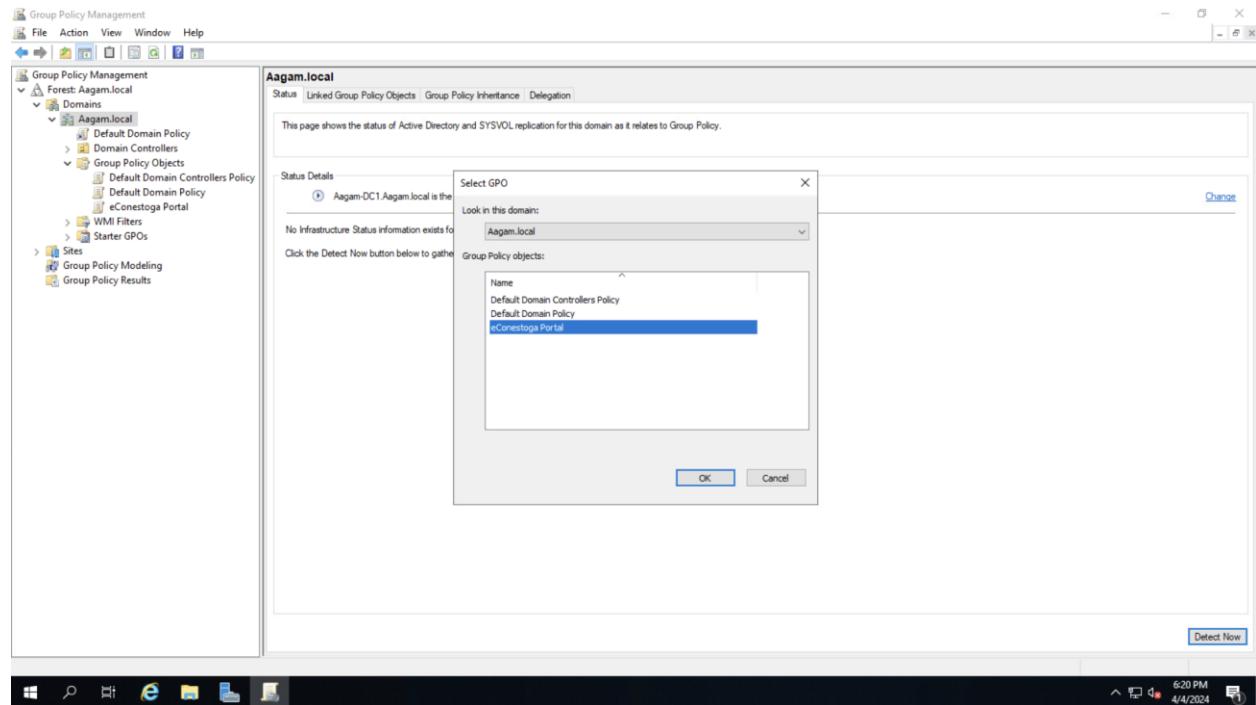
Provide value as 2 in site to zone assignment list → enabled → enter the zone assignments → Show → apply.



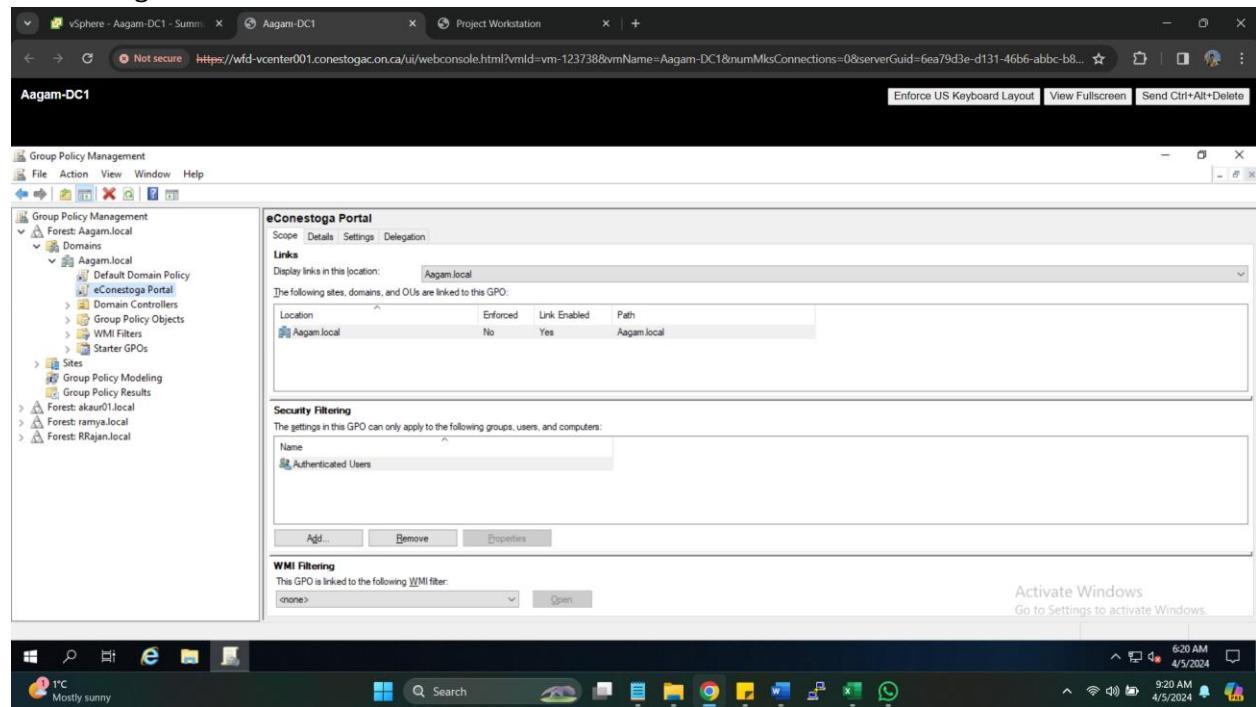
State of Site to zone assignment list is enabled.



Under Group Policy Management → Aagam.local → Select GPO → Look in this domain
 → Aagam.local → select eConestoga Portal.



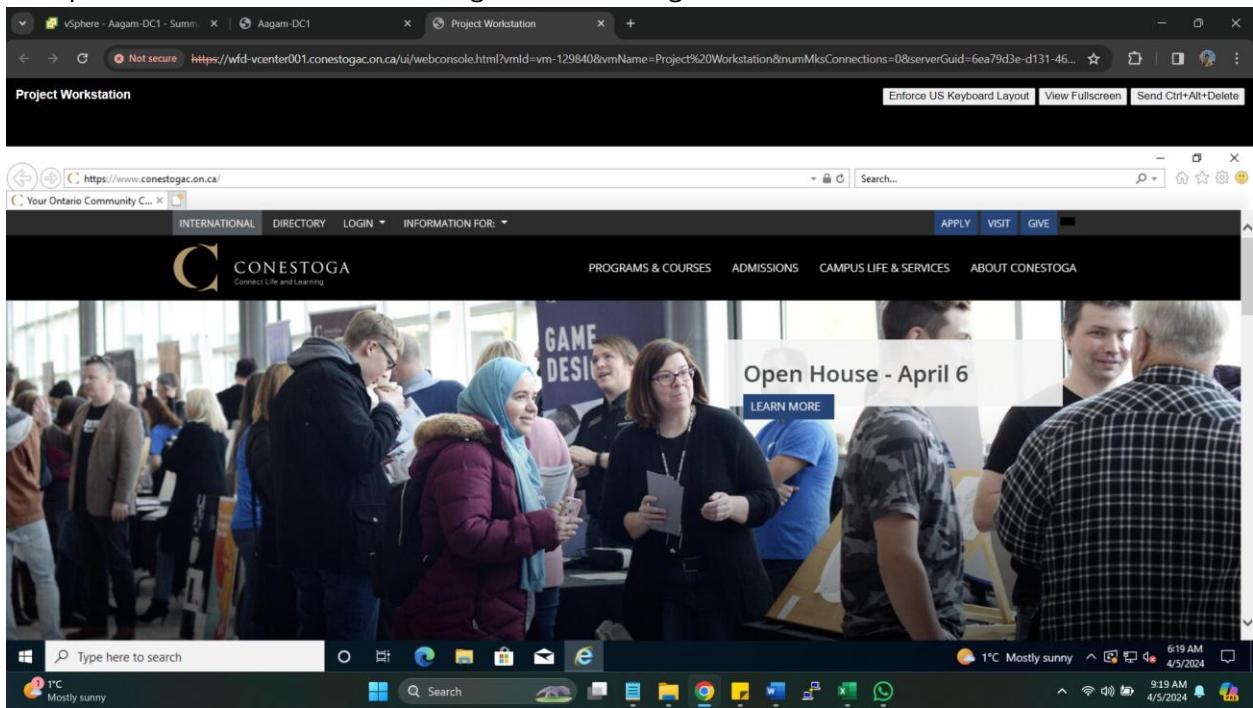
eConestoga Portal GPO → Link enabled as YES.



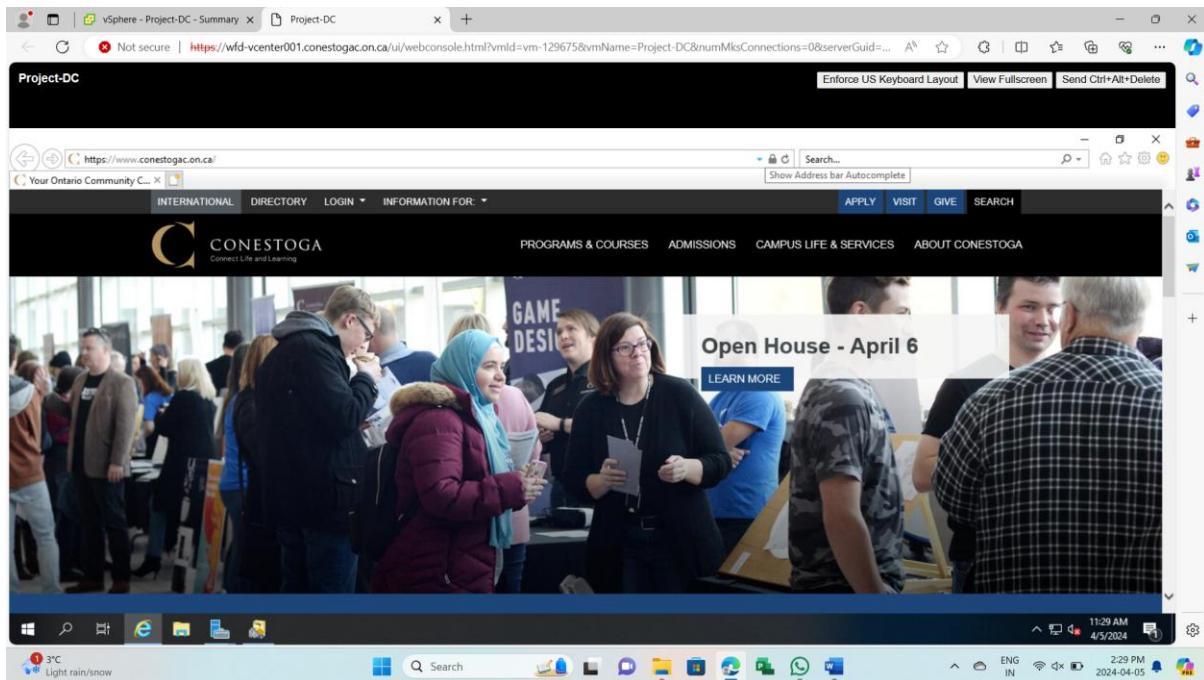
Checked eConestoga homepage on the user workstation

: AagamWS, successfully able to open www.conestogac.on.ca as homepage.

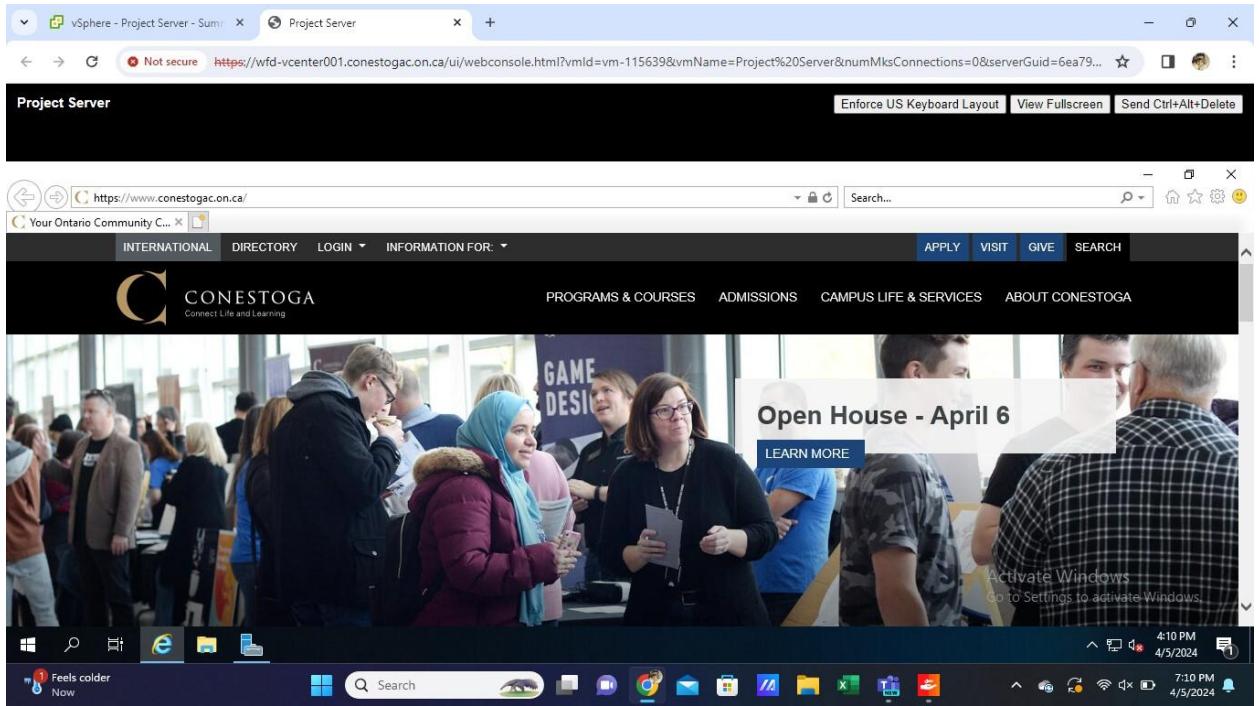
Group Member 1 : User of domain Aagam.local → AagamWS



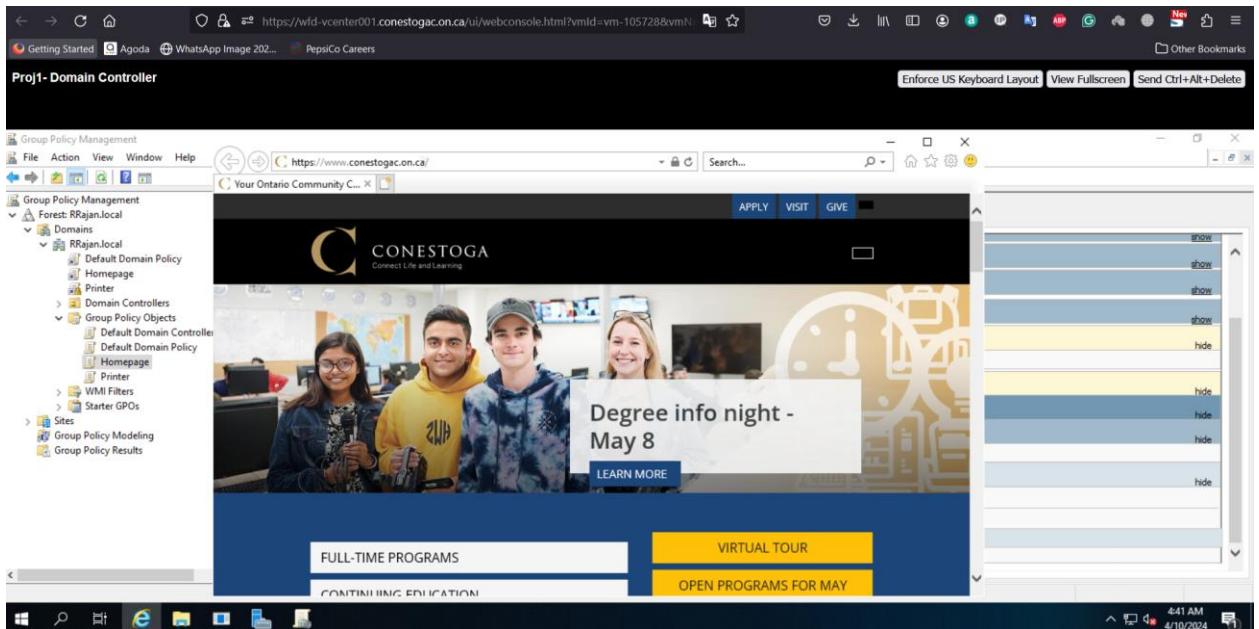
Group Member 2: Amandeep.local



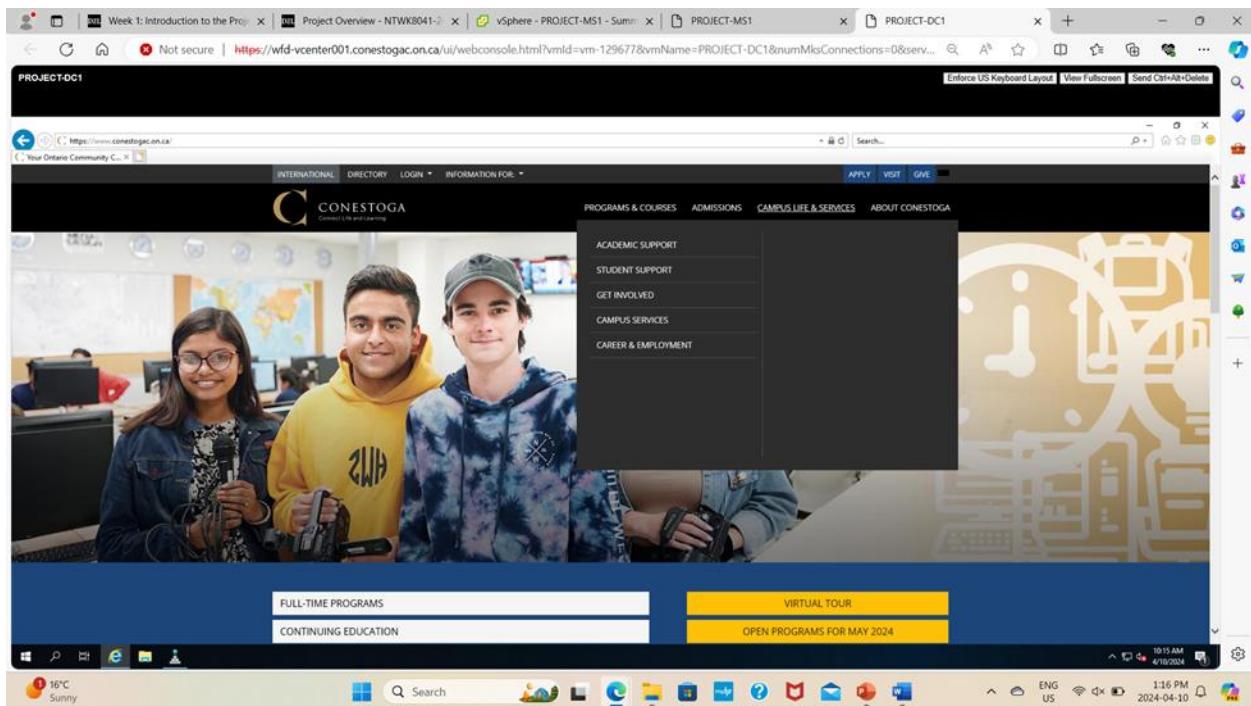
Group Member 3: Feethu.local



Group Member 4: Rahul.local



Group Member 5: Ramya.local



Prohibiting LAN

New
Back Up All...
Manage Backups...
Open Migration Table Editor
View
New Window from Here
Refresh
Help

Activate Windows
Go to Settings to activate Windows.

Screenshot of the Group Policy Management console on Aagam-DC1. The left navigation pane shows the Group Policy Management structure under the Forest Aagam.local. The right pane displays the "Group Policy Objects in Aagam.local" list, which includes Default Domain Controllers Policy, Default Domain Policy, and eConestoga Portal. A modal dialog titled "New GPO" is open, prompting for a name ("Prohibiting LAN GPO") and a source Starter GPO ("(none)").

Screenshot of the Group Policy Management console on Aagam-DC1. The left navigation pane shows the Group Policy Management structure under the Forest Aagam.local. The right pane displays the "Prohibiting LAN GPO" details. A context menu is open over the "Edit..." option, showing options like "Edit...", "GPO Status", "Backup...", "Restore from Backup...", "Import Settings...", "Save Report...", "View", "New Window from Here", "Copy", "Delete", "Rename", "Refresh", and "Help". The "Edit..." option is highlighted.

Screenshot of the Group Policy Management Editor showing the 'Prohibiting LAN GPO' under 'User Configuration > Policies > Administrative Templates: Policy don't apply'. The 'Network Connections' policy is selected, specifically the 'Prohibit access to properties of a LAN connection' setting. This setting is highlighted in blue. The 'Comment' field shows 'No'.

Setting	State	Comment
Prohibit adding and removing components for a LAN or re...	Not configured	No
Prohibit access to the Advanced Settings item on the Advan...	Not configured	No
Prohibit TCP/IP advanced configuration	Not configured	No
Prohibit Enabling/Disabling components of a LAN connect...	Not configured	No
Ability to delete all user remote access connections	Not configured	No
Prohibit deletion of remote access connections	Not configured	No
Prohibit access to the Remote Access Preferences item on L...	Not configured	No
Enable Windows 2000 Network Connections settings for Adm...	Not configured	No
Turn off notifications when a connection has only limited o...	Not configured	No
Prohibit access to properties of components of a LAN conn...	Not configured	No
Ability to Enable/Disable a LAN connection	Not configured	No
Prohibit access to properties of a LAN connection	Not configured	No
Prohibit access to the New Connection Wizard	Not configured	No
Ability to change properties of an all user remote access con...	Not configured	No
Prohibit access to properties of components of a remote ac...	Not configured	No
Prohibit connecting and disconnecting a remote access con...	Not configured	No
Prohibit changing properties of a private remote access con...	Not configured	No
Ability to rename all user remote access connections	Not configured	No
Ability to rename LAN connections or remote access conn...	Not configured	No
Ability to rename LAN connections	Not configured	No
Prohibit renaming private remote access connections	Not configured	No
Prohibit viewing of status for an active connection	Not configured	No

The desktop taskbar at the bottom shows the date and time as 4/10/2024, 11:56 AM.

Screenshot of the Group Policy Management Editor showing the same 'Prohibiting LAN GPO' and 'Network Connections' policy. The 'Prohibit access to properties of a LAN connection' setting is now set to 'Enabled'. The 'Comment' field is empty, and the 'Supported on:' field shows 'At least Windows 2000 Service Pack 1'.

The desktop taskbar at the bottom shows the date and time as 4/10/2024, 11:56 AM.

Screenshot of the Group Policy Management Editor showing the "Prohibiting LAN GPO" configuration for "Network Connections".

Group Policy Management Editor

Prohibiting LAN GPO (AAGAM-DC1.AAGAM)

Network Connections

Prohibit access to properties of a LAN connection

Setting **State** **Comment**

[+] Prohibit adding and removing components for a LAN or re...	Not configured	No
[+] Prohibit access to the Advanced Settings item on the Advan...	Not configured	No
[+] Prohibit TCP/IP advanced configuration	Not configured	No
[+] Prohibit Enabling/Disabling components of a LAN connect...	Not configured	No
[+] Ability to delete all user remote access connections	Not configured	No
[+] Prohibit deletion of remote access connections	Not configured	No
[+] Prohibit access to the Remote Access Preferences item on...	Not configured	No
[+] Enable Windows 2000 Network Connections settings for Ad...	Not configured	No
[+] Turn off notifications when a connection has only limited or...	Not configured	No
[+] Prohibit access to properties of components of a LAN conn...	Not configured	No
[+] Ability to Enable/Disable a LAN connection	Not configured	No
[+] Prohibit access to properties of a LAN connection	Enabled	No
[+] Prohibit access to the New Connection Wizard	Not configured	No
[+] Ability to change properties of an all user remote access con...	Not configured	No
[+] Prohibit access to properties of components of a remote ac...	Not configured	No
[+] Prohibit connecting and disconnecting a remote access con...	Not configured	No
[+] Prohibit changing properties of a private remote access con...	Not configured	No
[+] Ability to rename all user remote access connections	Not configured	No
[+] Ability to rename LAN connections or remote access conn...	Not configured	No
[+] Ability to rename LAN connections	Not configured	No
[+] Prohibit renaming private remote access connections	Not configured	No
[+] Prohibit viewing of status for an active connection	Not configured	No

Description: Determines whether users can change the properties of a LAN connection.

This setting determines whether the Properties menu item is enabled, and thus, whether the Local Area Connection Properties dialog box is available to users.

If you enable this setting (and enable the 'Enable Network Connections settings for Administrators' setting), the Properties menu item is disabled for all users, and users cannot open the Local Area Connection Properties dialog box.

Important: If the 'Enable Network

Activate Windows

Go to Settings to activate Windows.

Screenshot of the Group Policy Management Editor showing the "Select GPO" dialog box.

Group Policy Management

Agam-DC1

Select GPO

Look in this domain: Agam.local

Group Policy objects:

- Name: Default Domain Controllers Policy
- Name: Default Domain Policy
- Name: eConestoga Portal
- Name: Prohibiting LAN GPO

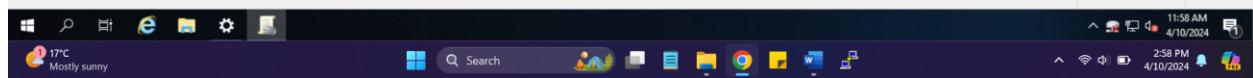
OK **Cancel**

Activate Windows

Go to Settings to activate Windows.

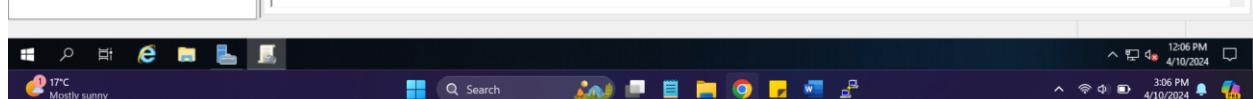
The screenshot shows the Group Policy Management console for the 'Aagam.local' domain. The left pane displays the domain structure under 'Forest: Aagam.local'. The right pane shows a table of linked GPOs:

Link Order	GPO	Enforced	Link Enabled	GPO Status	WMI Filter	Modified	Domain
1	Default Domain Policy	No	Yes	Enabled	None	3/19/2024	Aagam.local
2	eCestoga Portal	No	Yes	Enabled	None	4/5/2024	Aagam.local
3	Prohibiting LAN GPO	No	Yes	Enabled	None	4/10/2024	Aagam.local



The screenshot shows the 'Prohibiting LAN GPO' details page. It includes sections for 'Scope', 'Details', 'Settings', and 'Delegation'. The 'Settings' tab is active, displaying the following table:

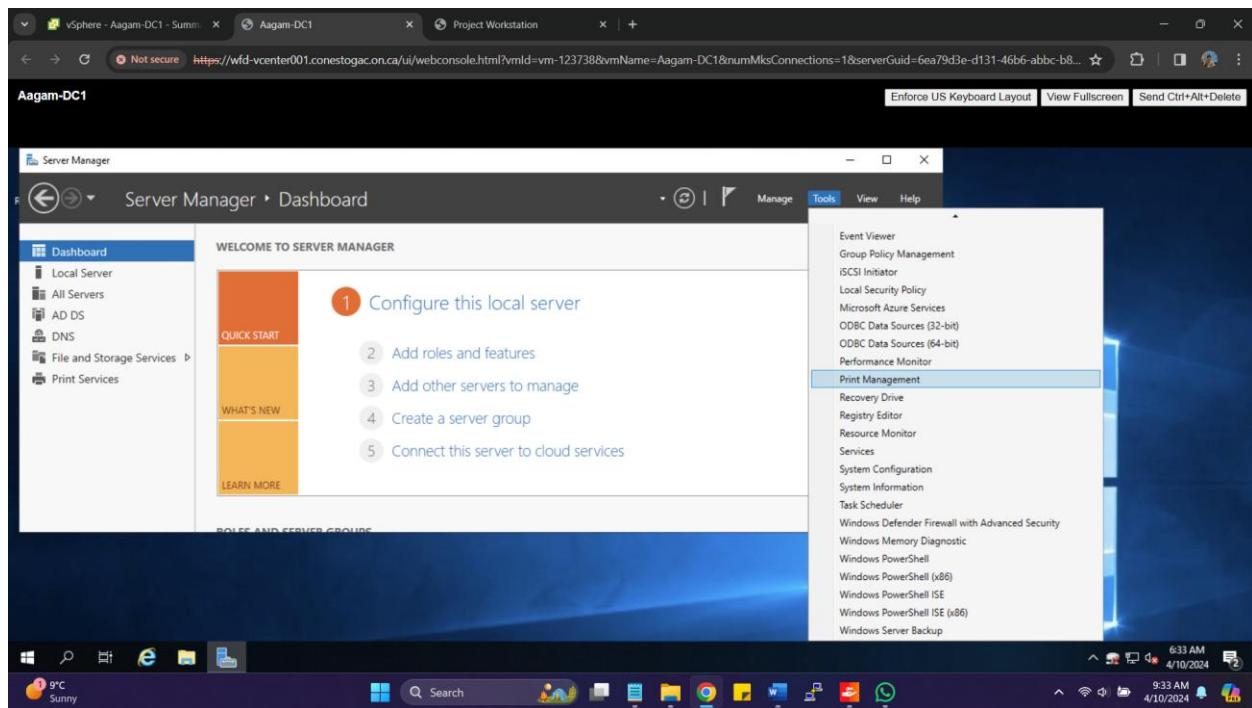
Name	Allowed Permissions	Inherited
AAGAM\Domain Admins	Edit settings, delete, modify security	No
AAGAM\Enterprise Admins	Edit settings, delete, modify security	No
NT AUTHORITY\Authenticated Users	Read (from Security Filtering)	No
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS	Read	No
NT AUTHORITY\SYSTEM	Edit settings, delete, modify security	No



Printer accessibility

We can manage printers from print management console.

Group member 1: Aagam.local

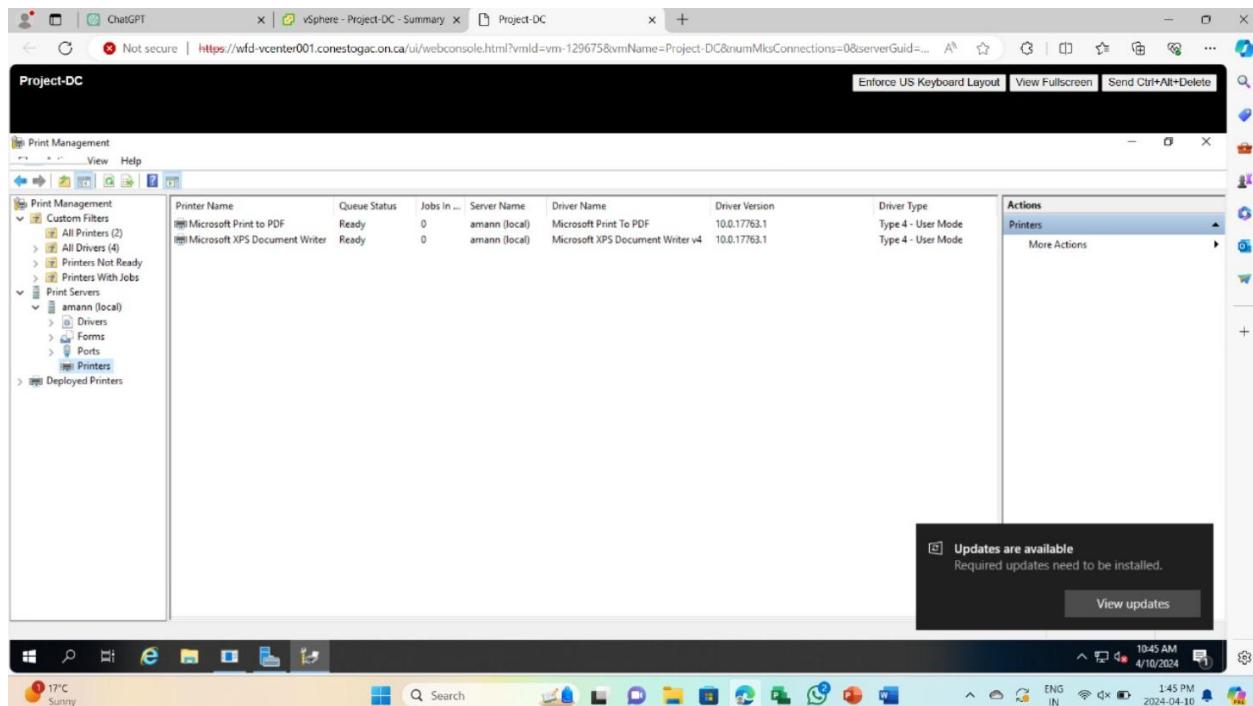


Details of print management

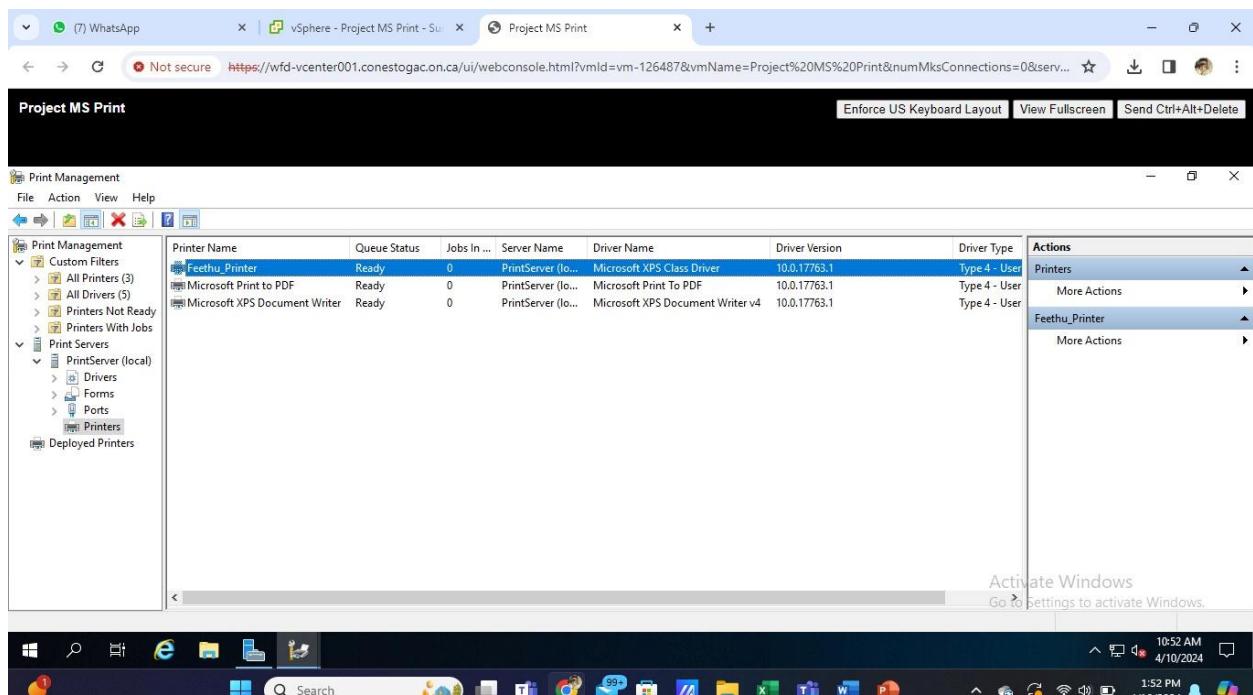
This screenshot shows the 'AD DS' section of the Server Manager. The left navigation pane lists 'Dashboard', 'Local Server', 'All Servers', 'AD DS', 'DNS', 'File and Storage Services', and 'Print Services'. The main area is titled 'Print Management' and displays a list of printers. The table has columns for Printer Name, Queue Status, Jobs In Queue, Server Name, Driver Name, and Driver Version. Two printers are listed: 'Microsoft XPS Document Writer' (Ready, 0 jobs, Aagam-DC1, Microsoft XPS Document Writer v4, 10.0.17763.1) and 'Microsoft Print to PDF' (Ready, 0 jobs, Aagam-DC1, Microsoft Print To PDF, 10.0.17763.1). The 'Actions' column on the far right shows 'Printers' and 'More Actions'. The status bar at the bottom indicates it's 6:32 AM on 4/10/2024.

Printer Name	Queue Status	Jobs In Queue	Server Name	Driver Name	Driver Version
Microsoft XPS Document Writer	Ready	0	Aagam-DC1 (local)	Microsoft XPS Document Writer v4	10.0.17763.1
Microsoft Print to PDF	Ready	0	Aagam-DC1 (local)	Microsoft Print To PDF	10.0.17763.1

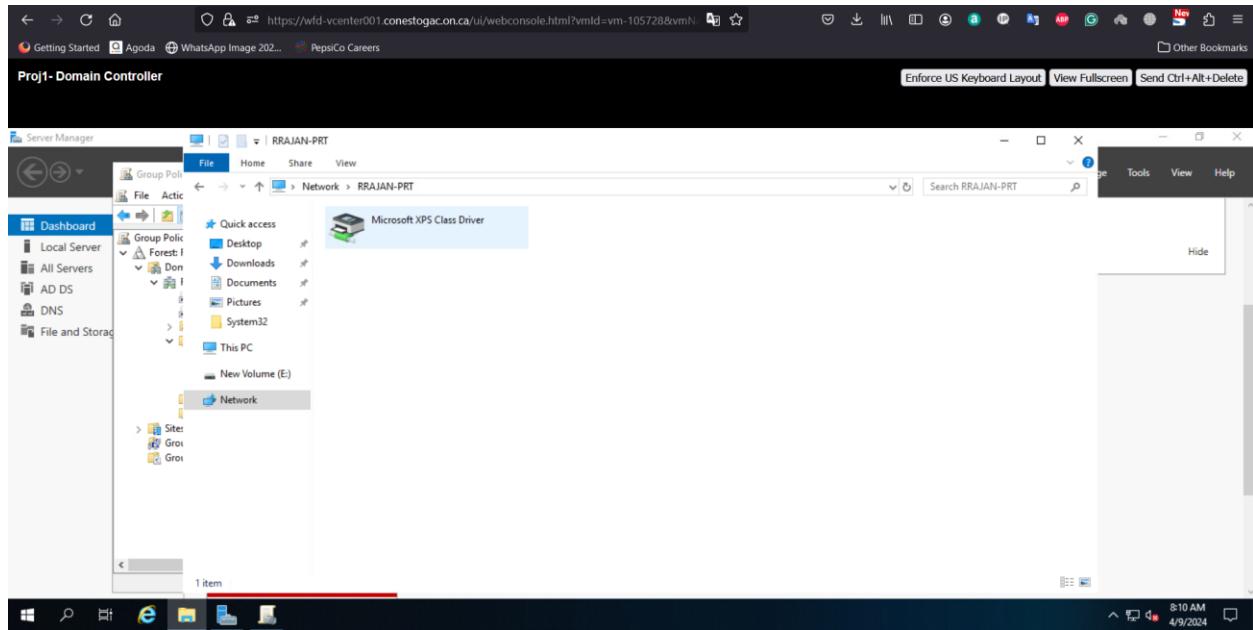
Group Member 2: Amandeep.local



Group Member 3: Feethu.local



Group Member 4: Rahul.local



Group Member 5: Ramya.local

