



CONESTOGA

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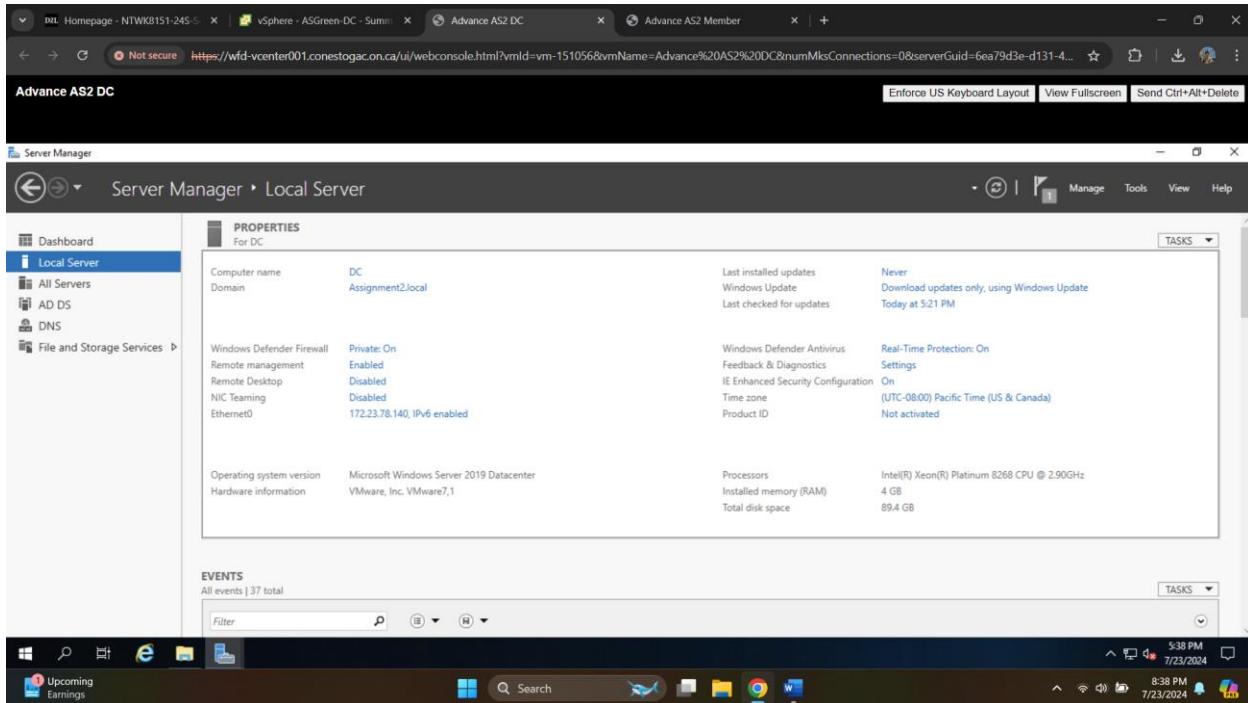
Student Name:	Aagam Sanjay Shah
Deliverable:	Assignment 2
Course Name:	NTWK8151-24S-Sec3-Advanced Windows Server Roles and Features

Date Assigned:	23/07/2024
Date Due:	30/07/2024
Rules:	<ul style="list-style-type: none">• Individual.• Cheating is not allowed.• Plagiarism counts as cheating!• That FAILURE to submit work in the course can result in a grade of 'F' or 'I' for failure to complete the course!

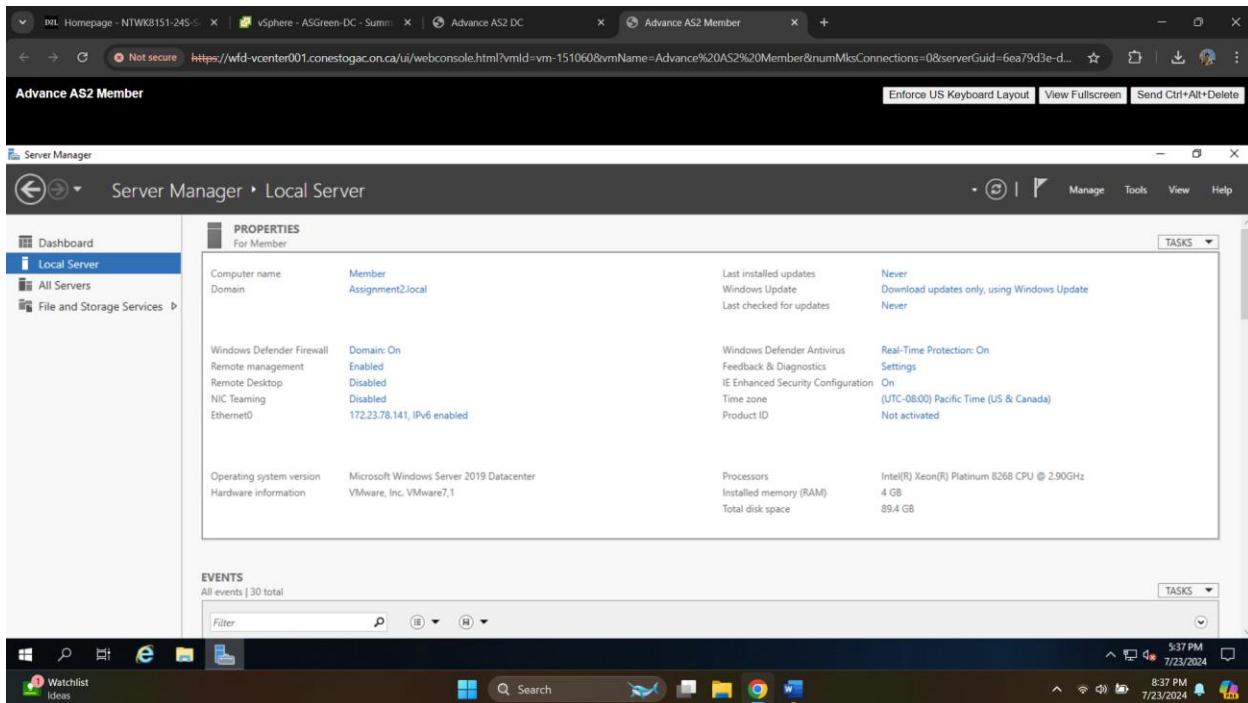
Phase 1

- Install a Domain Controller and a Member Server

Domain Controller

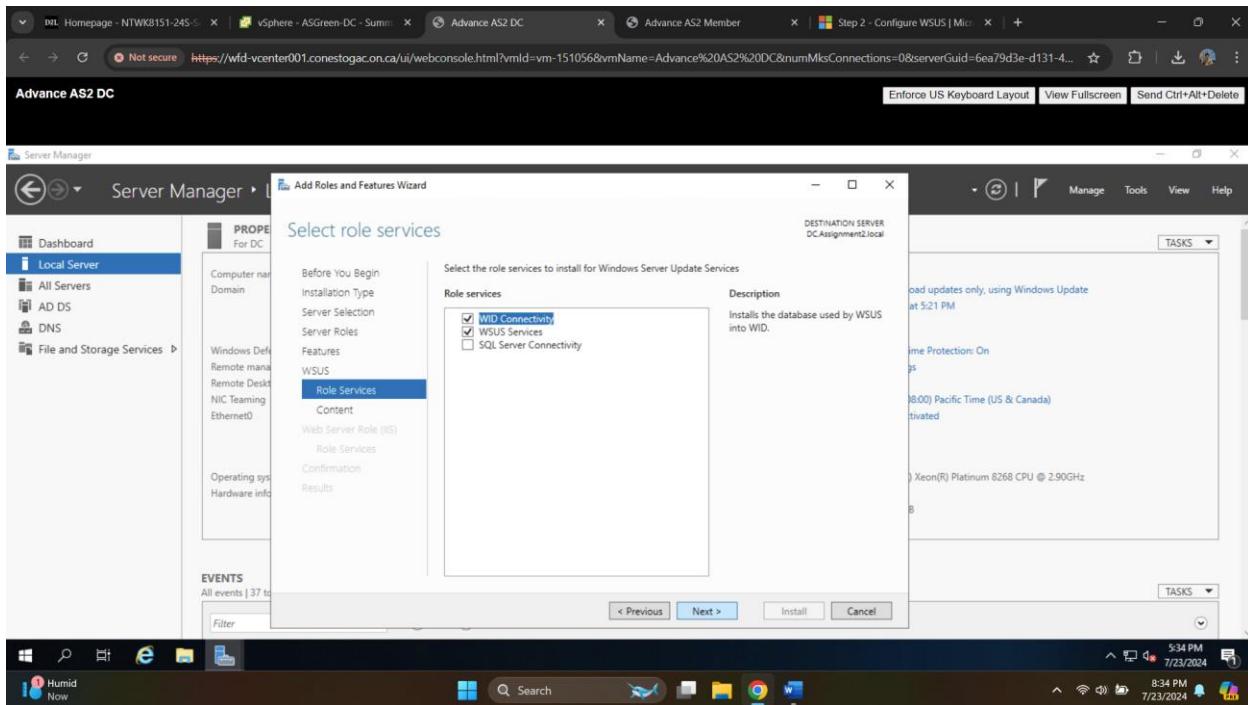
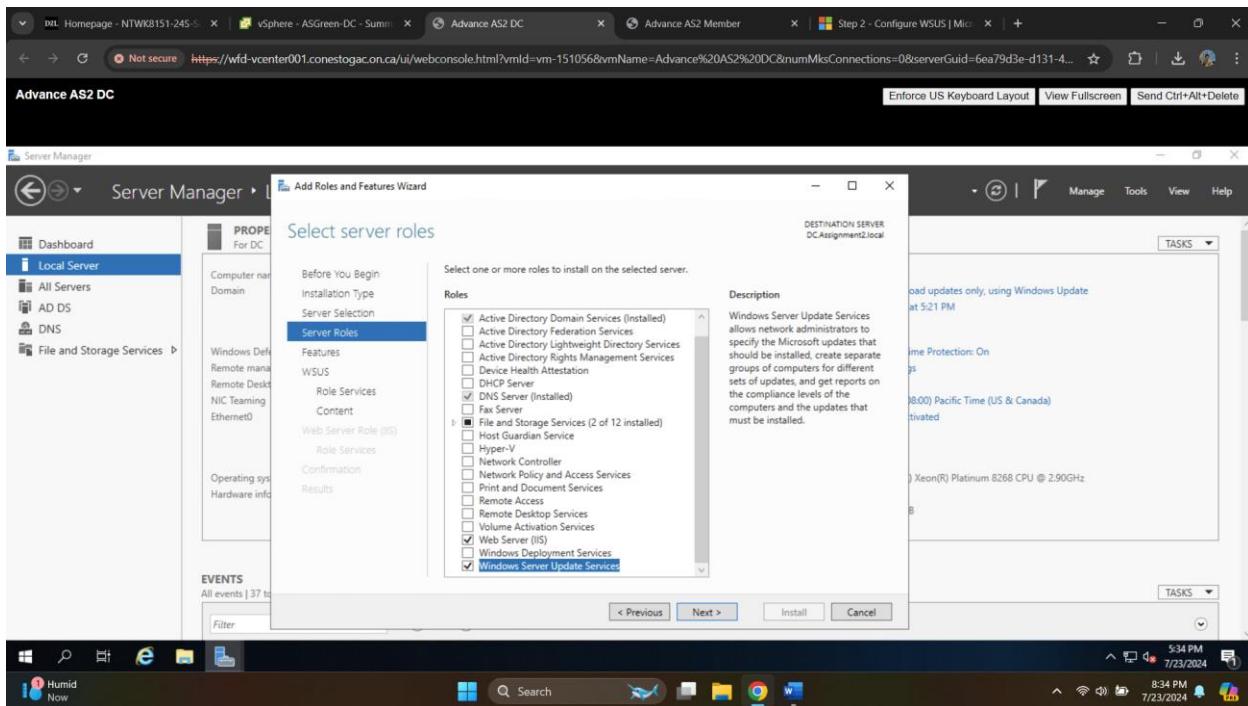


Member Server

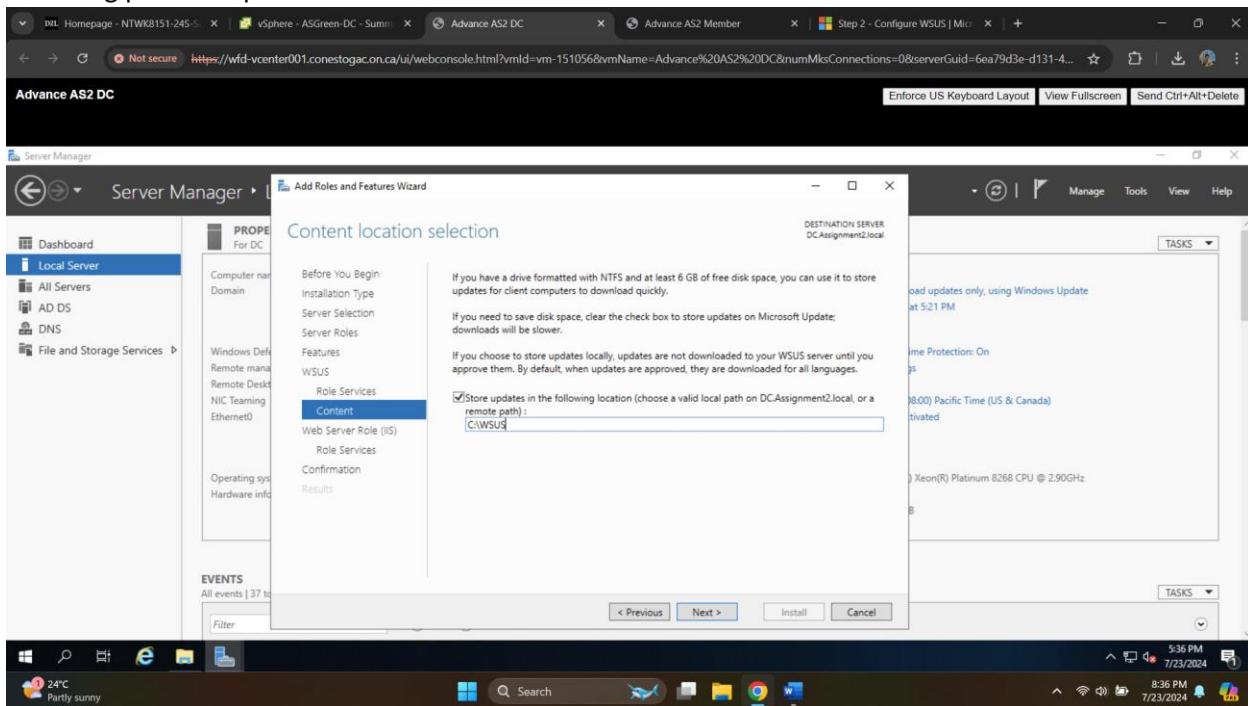


- Install and configure WSUS

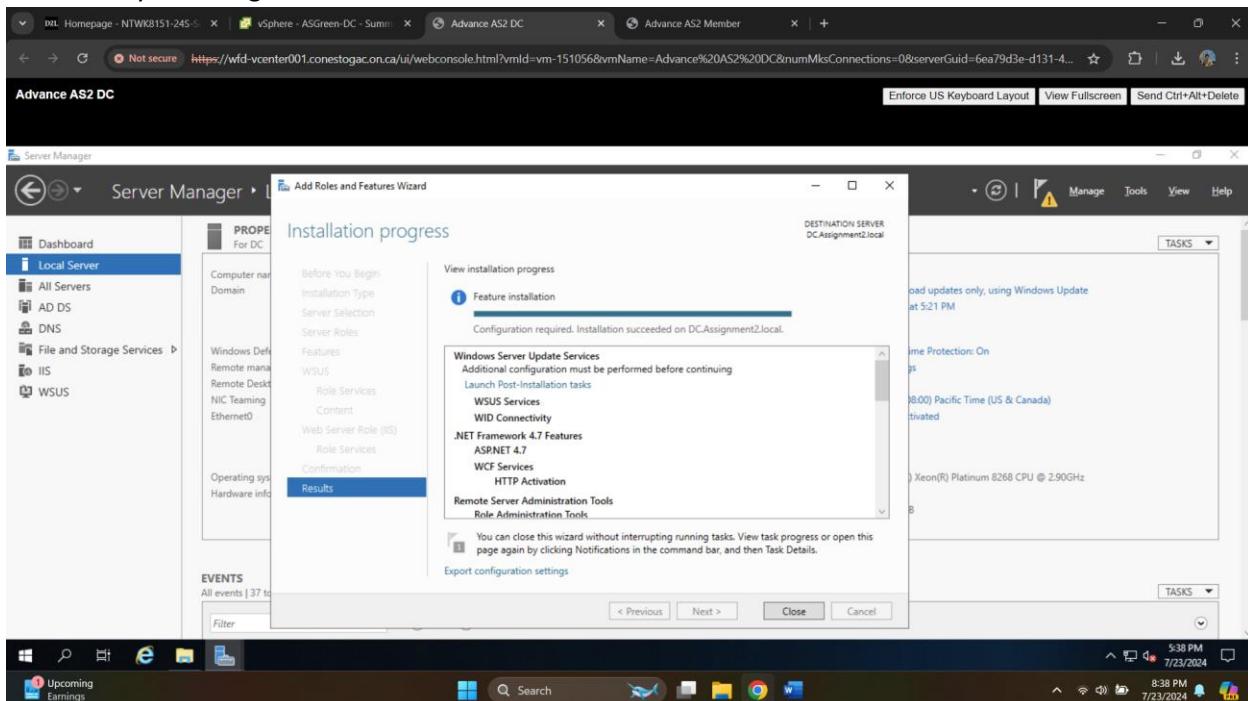
Installation of WSUS on Domain Controller



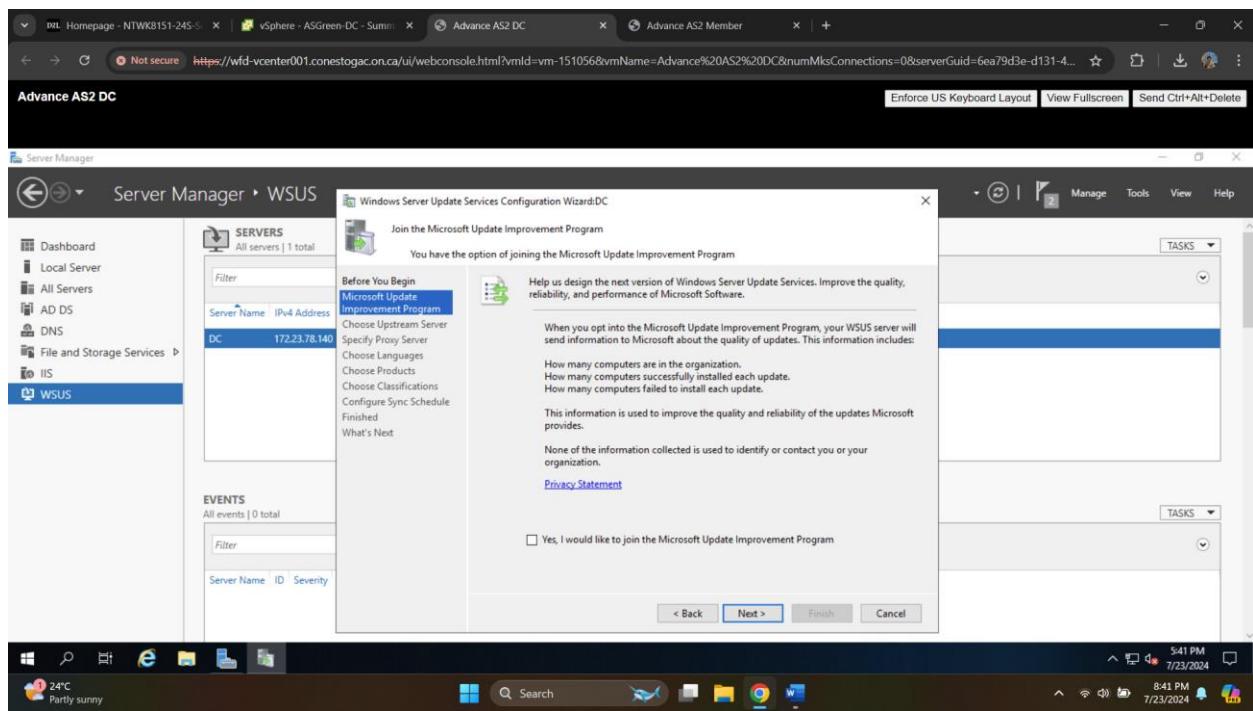
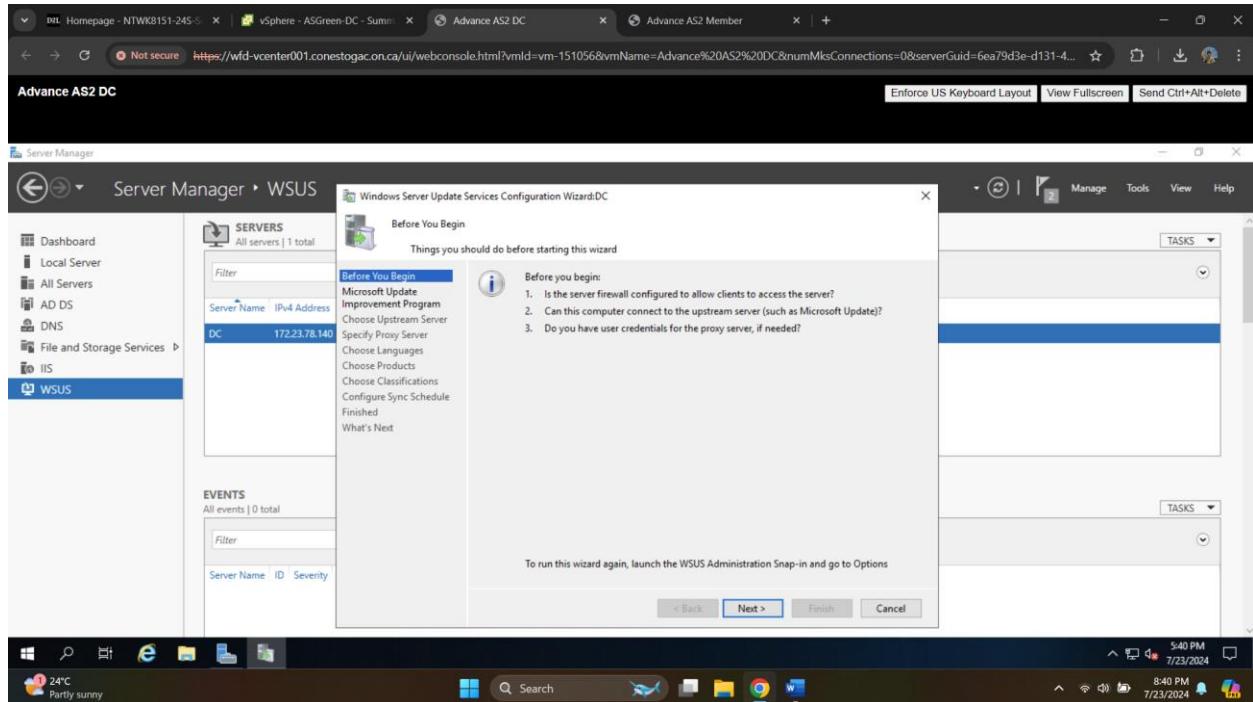
Providing path for updates

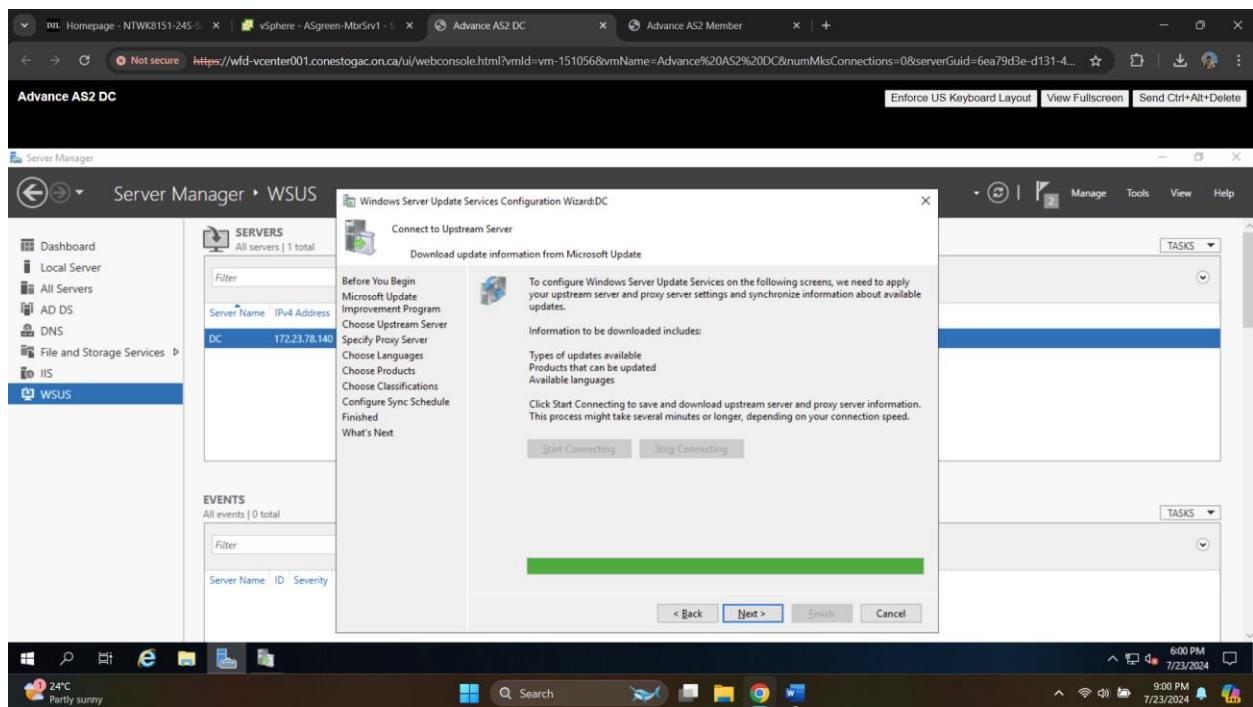
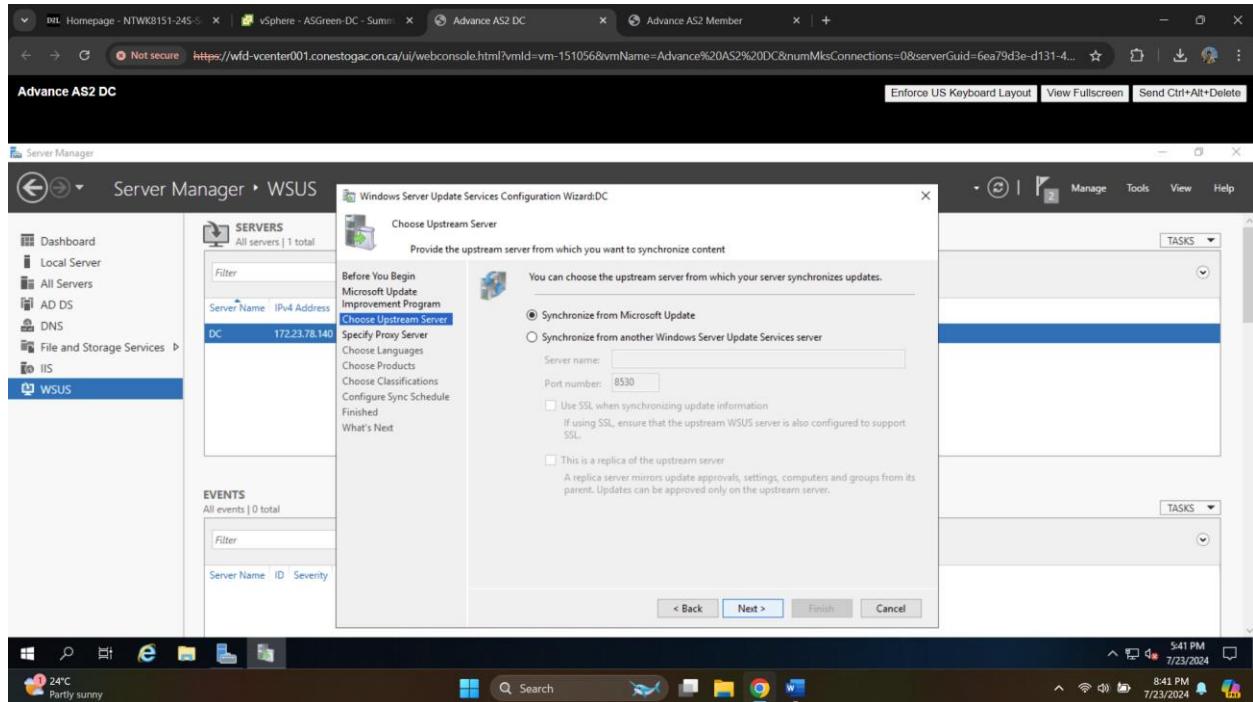


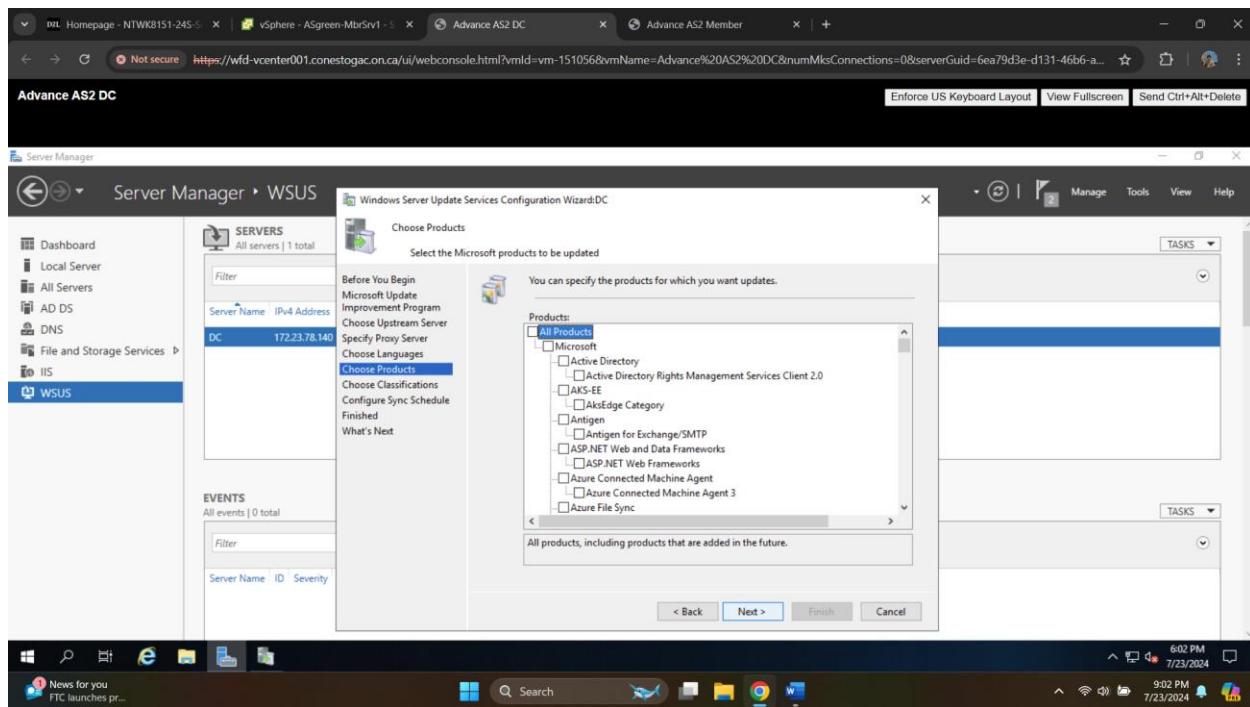
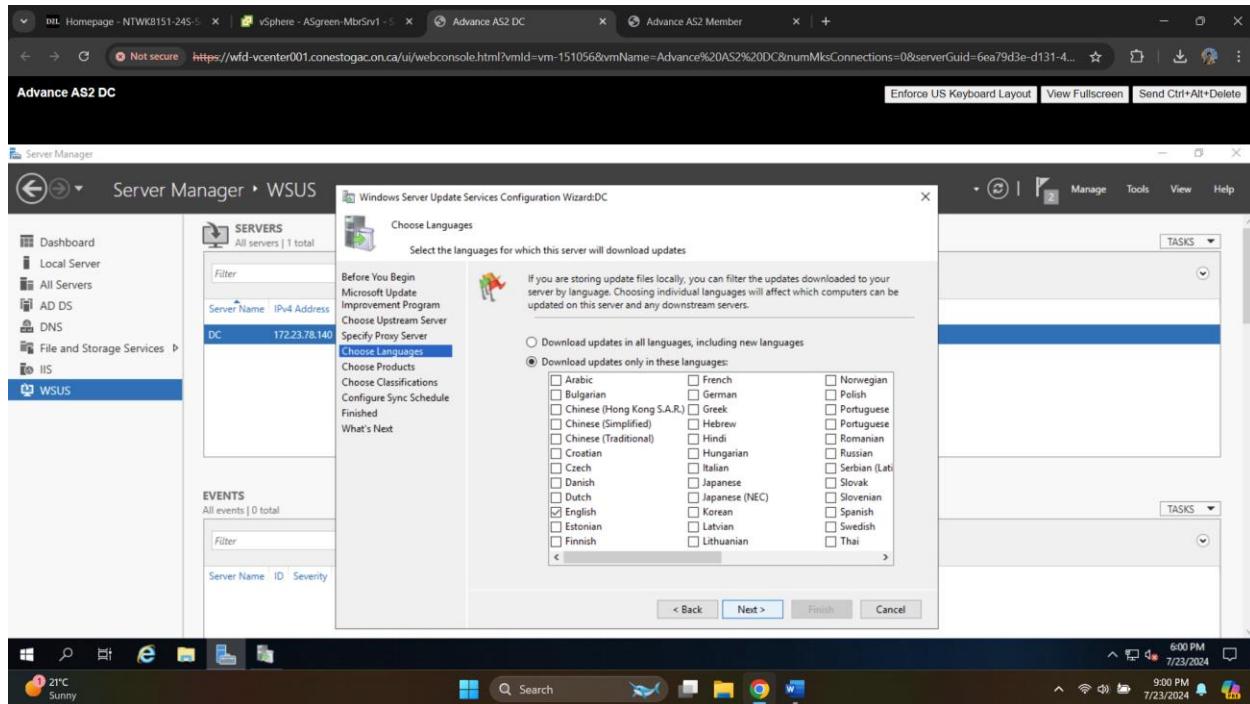
Successfully installing WSUS



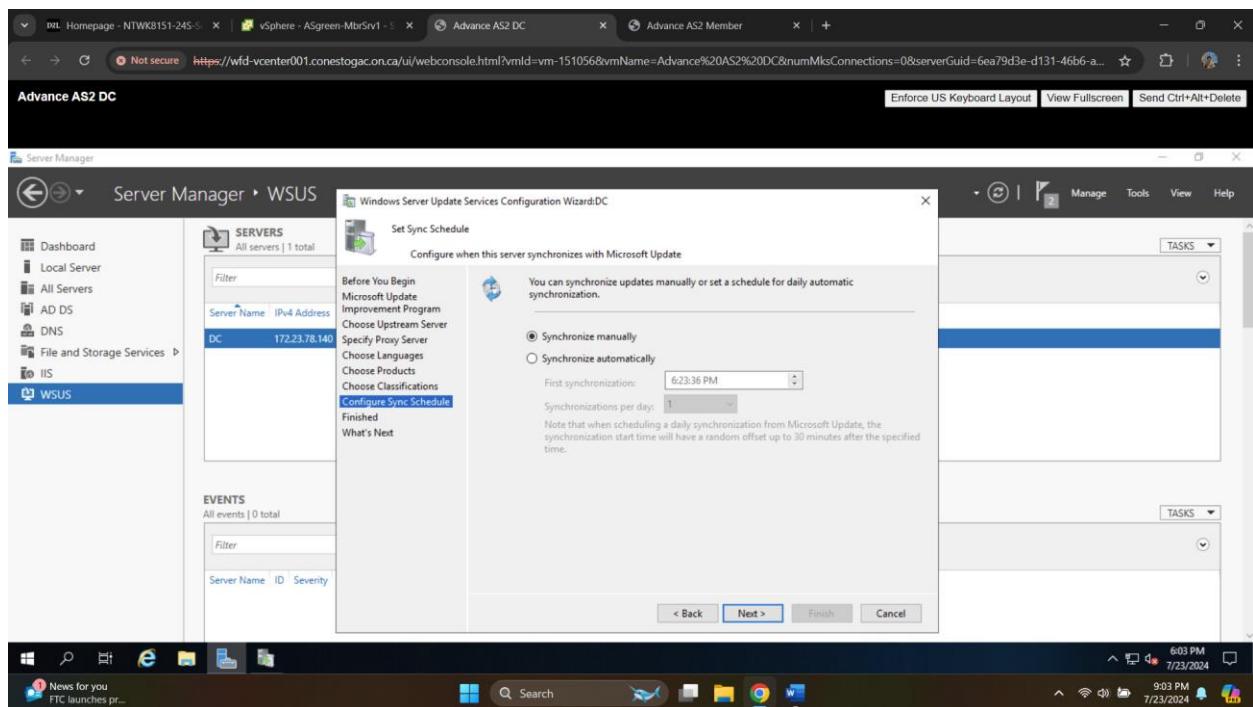
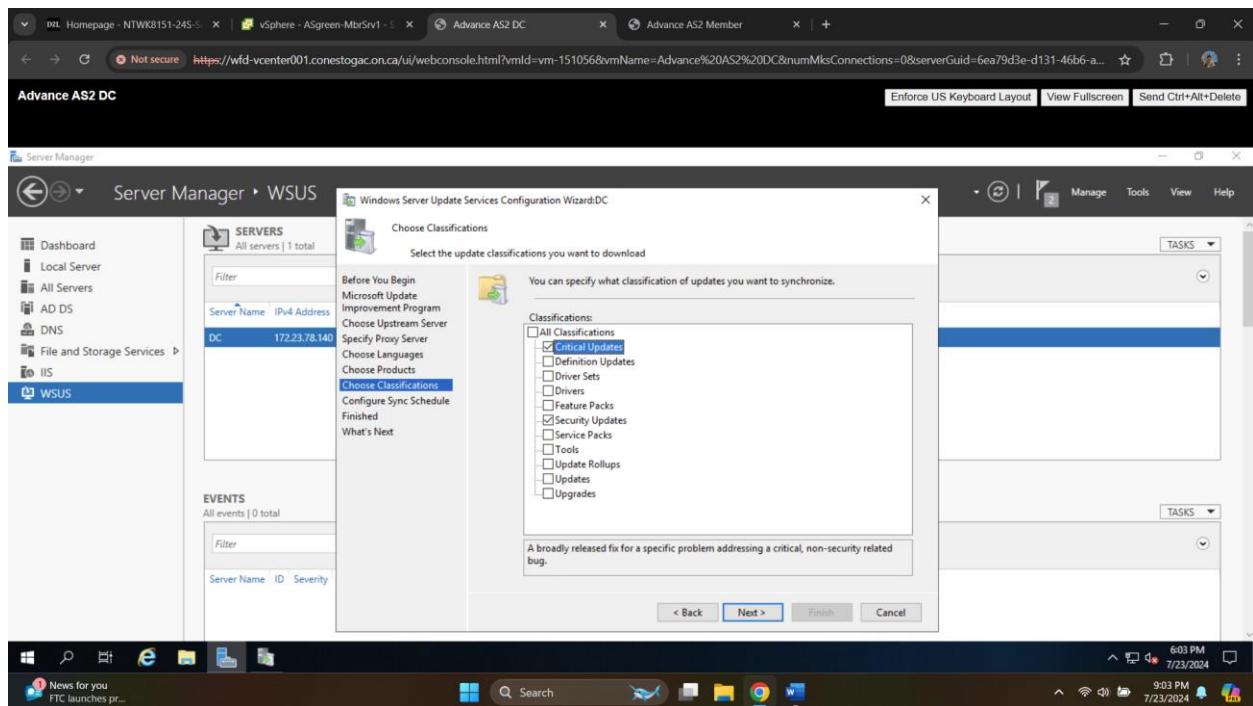
Configuring WSUS

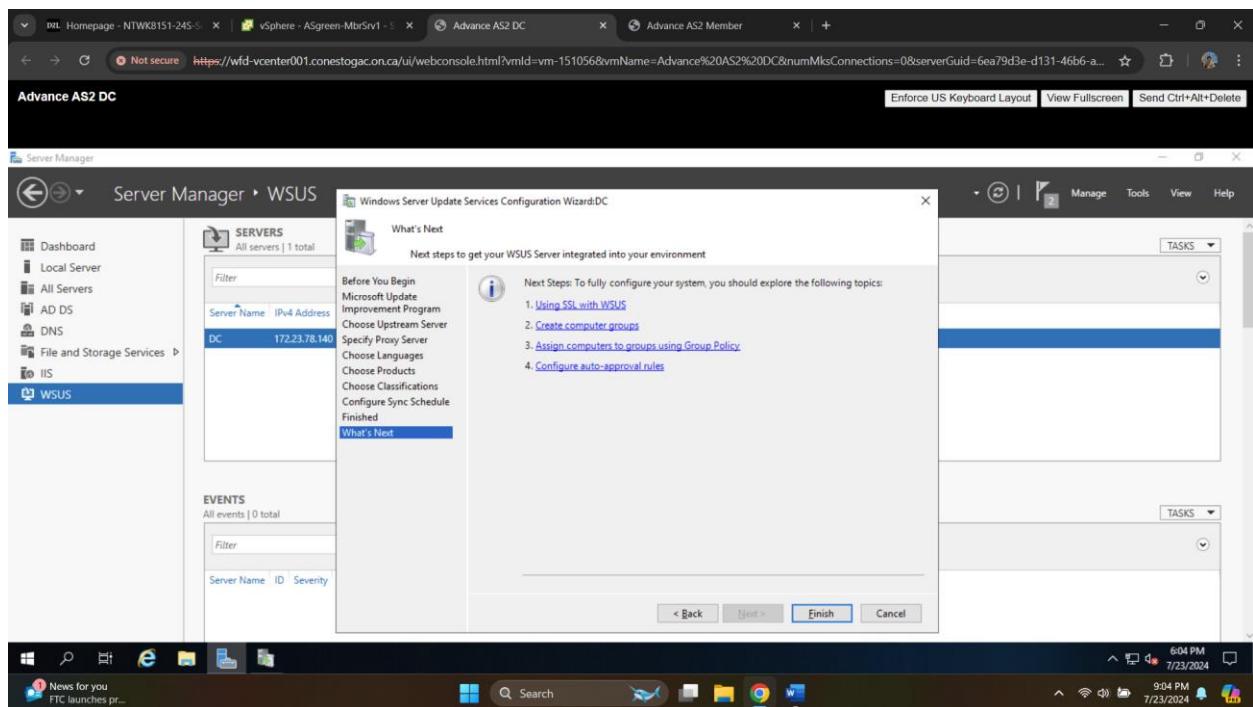
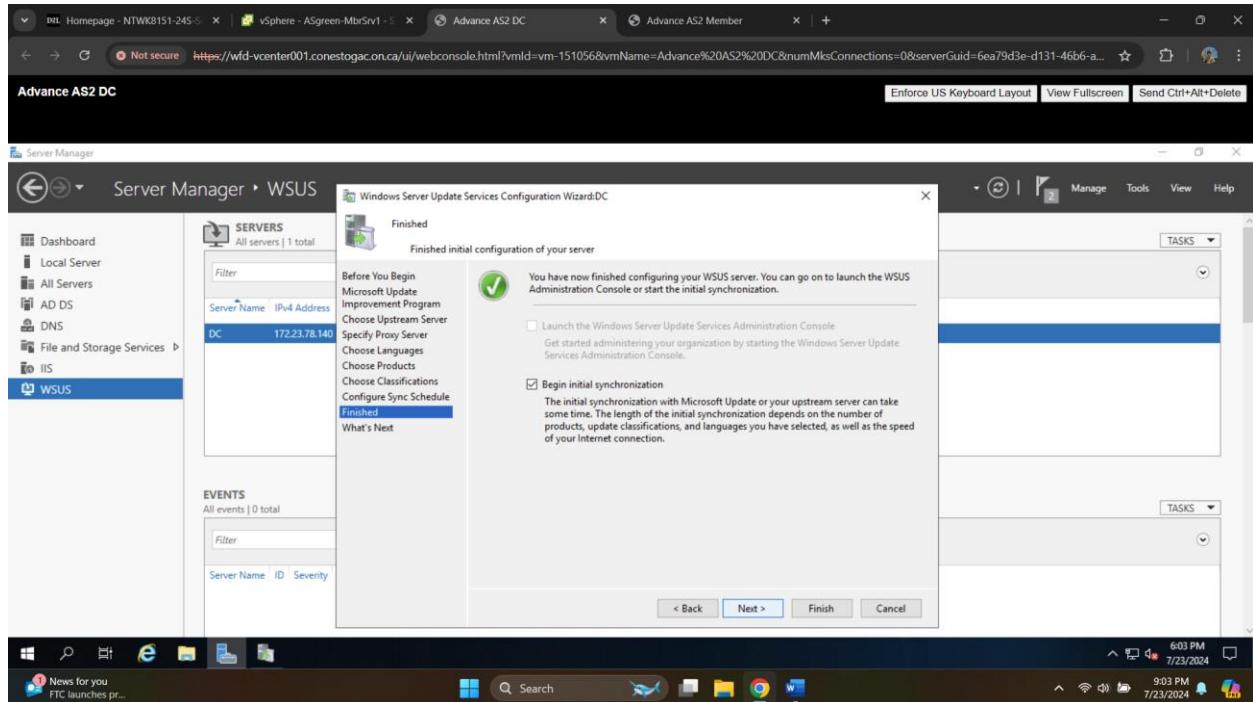


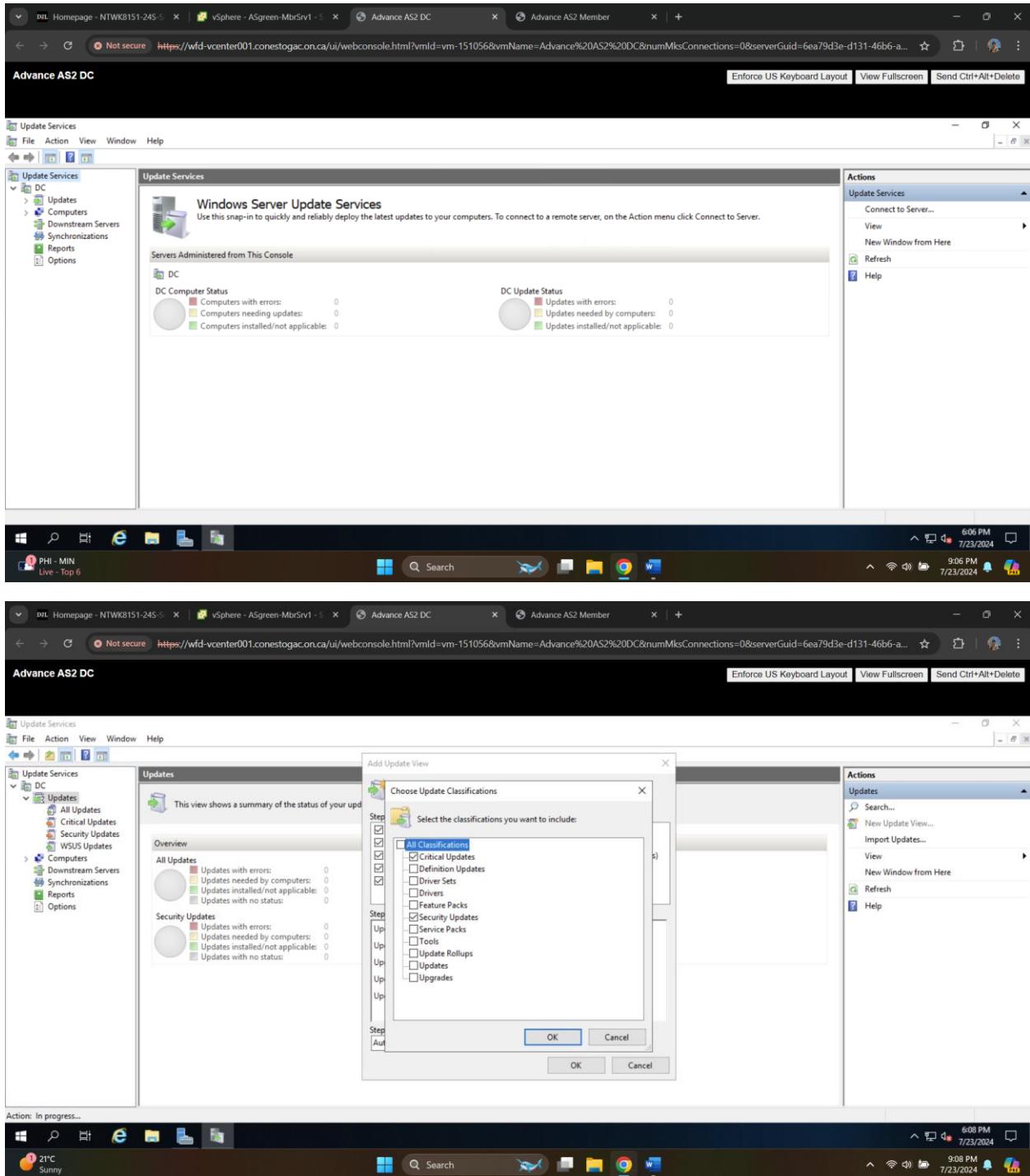




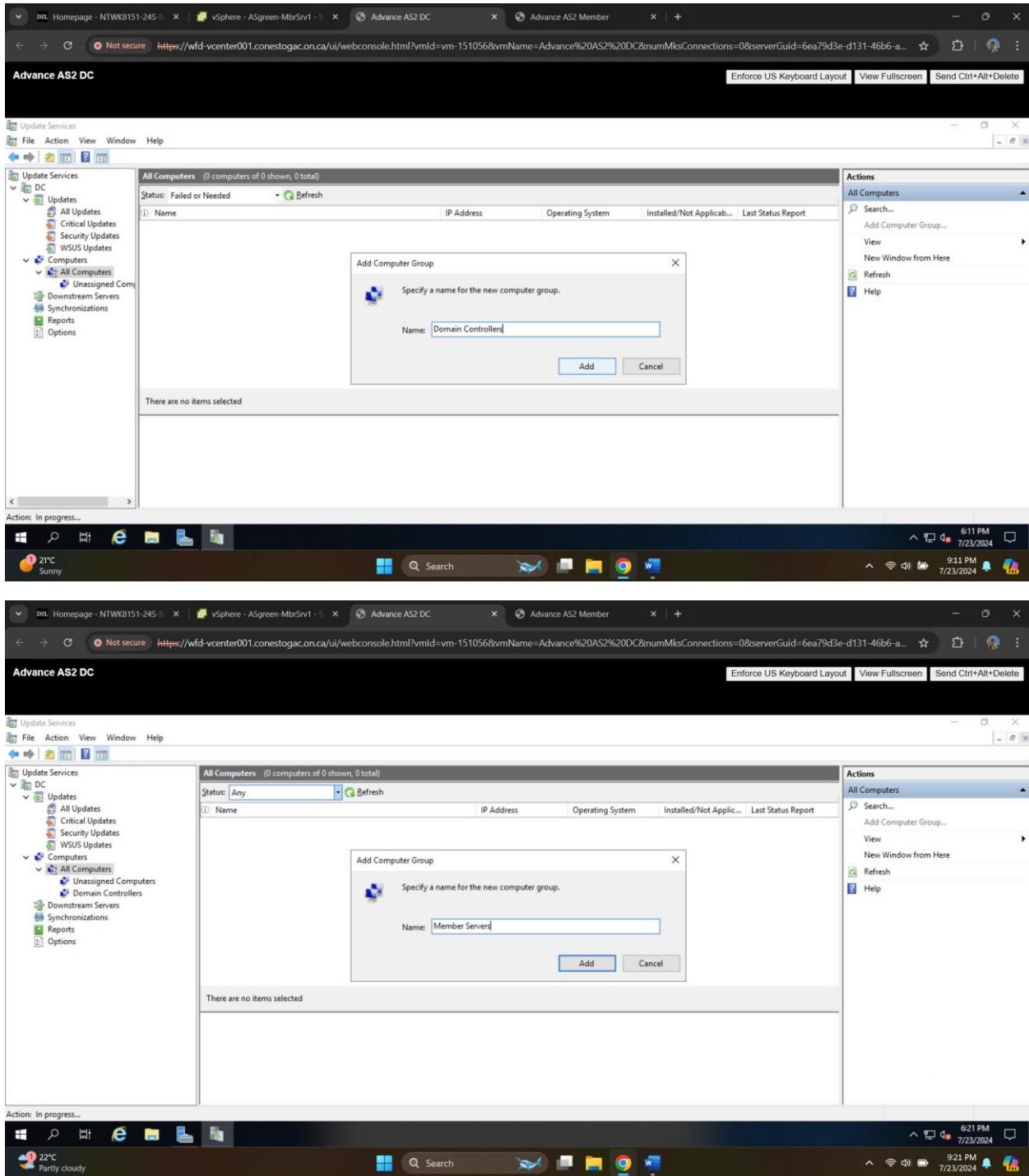
- Implement the following configuration:
 - Download only critical and security updates



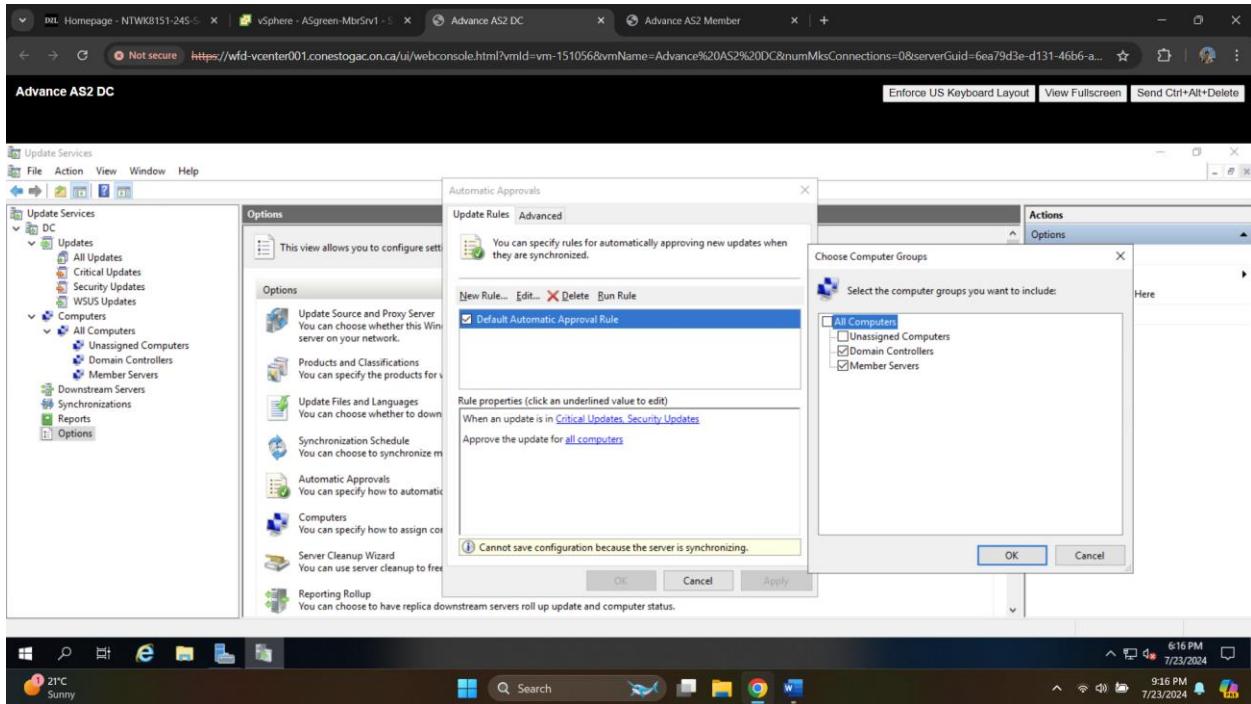




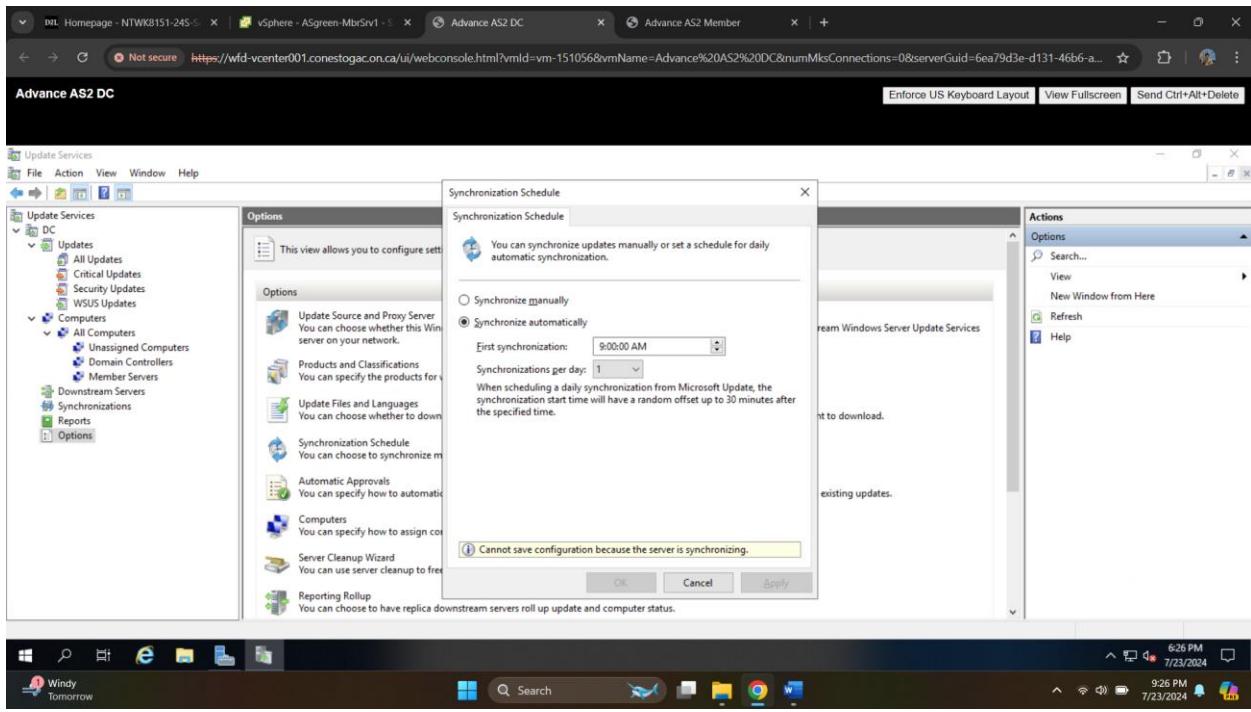
- Configure automatic approval of the updates
- Configure a Computer Group for Domain Controllers and Member Servers



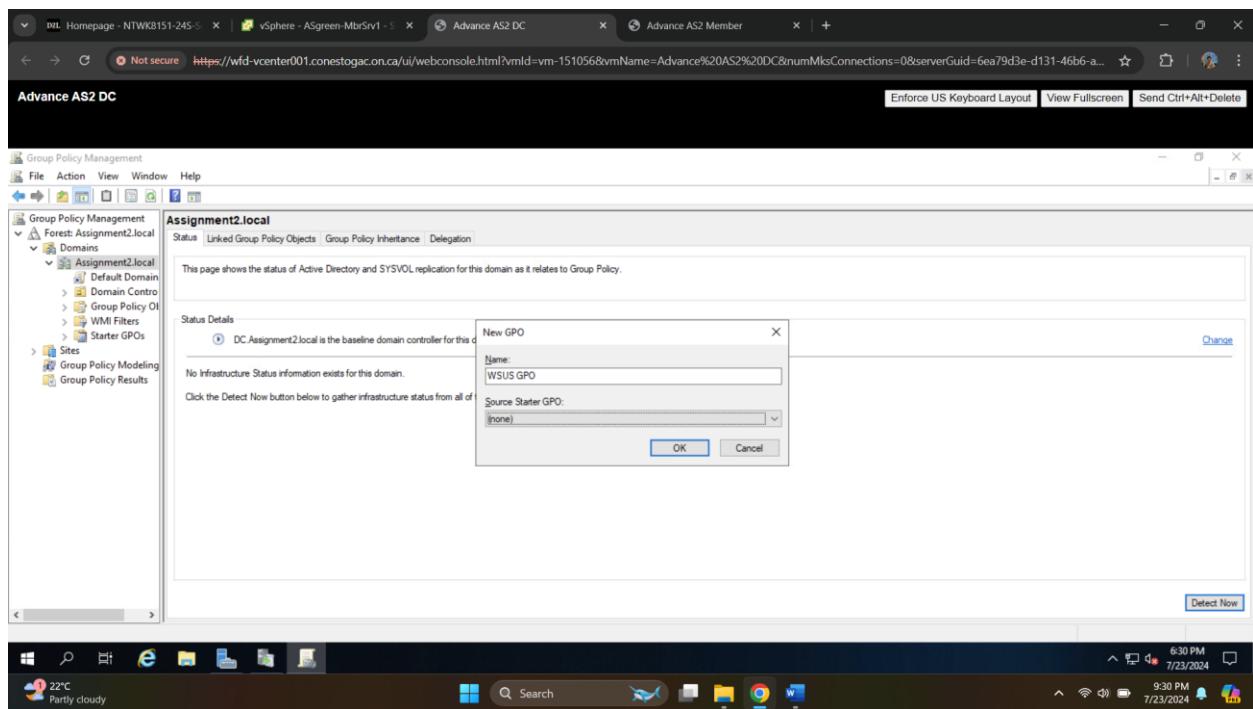
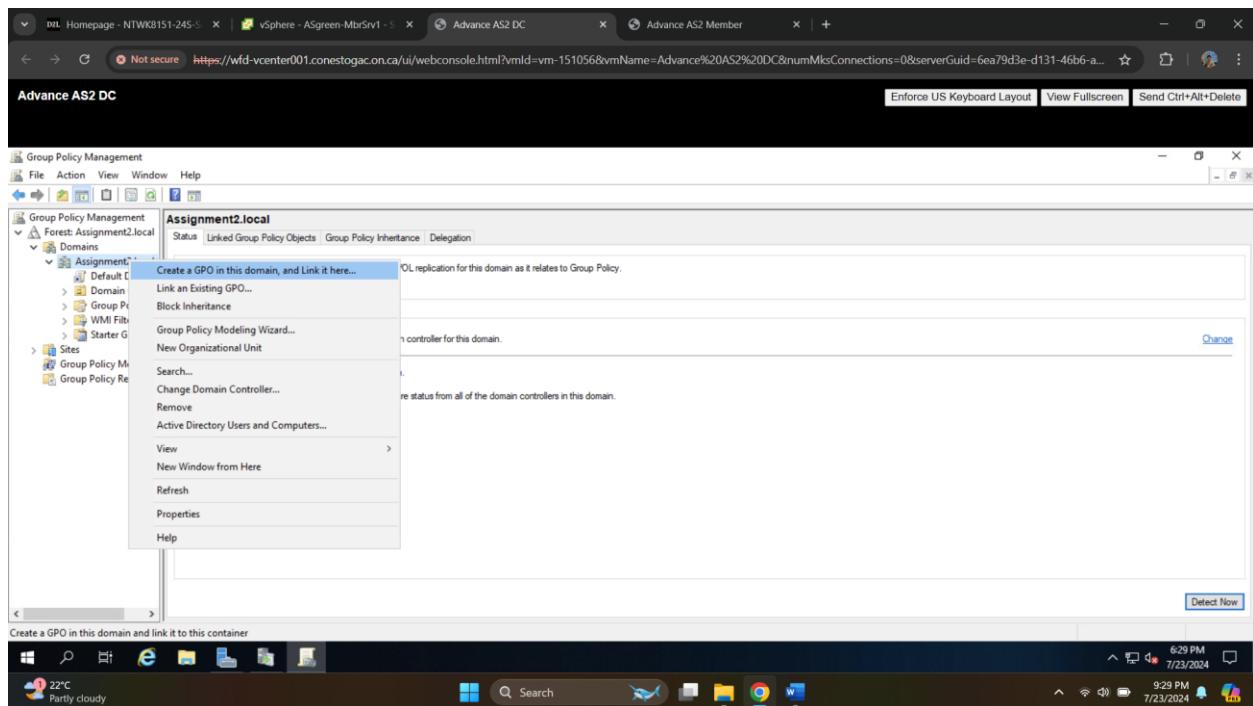
- Place each server in the appropriate group
- Configure an 'Approval Rule' for Critical and Security updates for the Domain Controller group

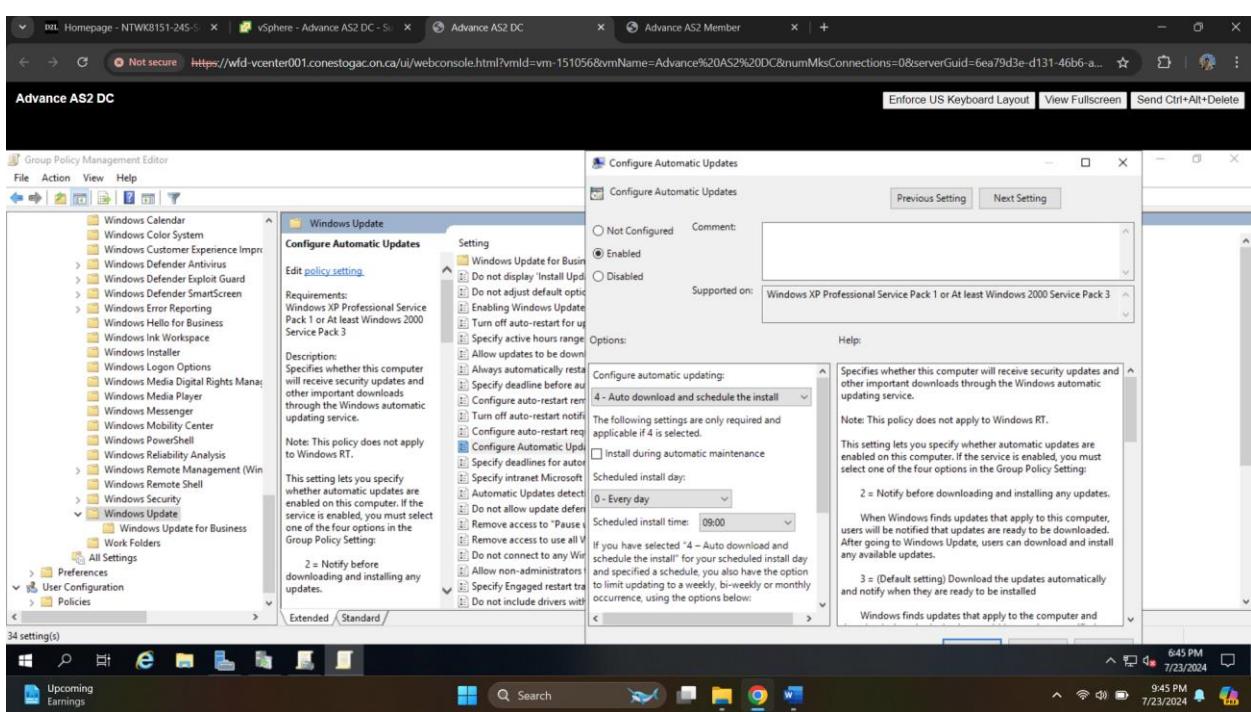
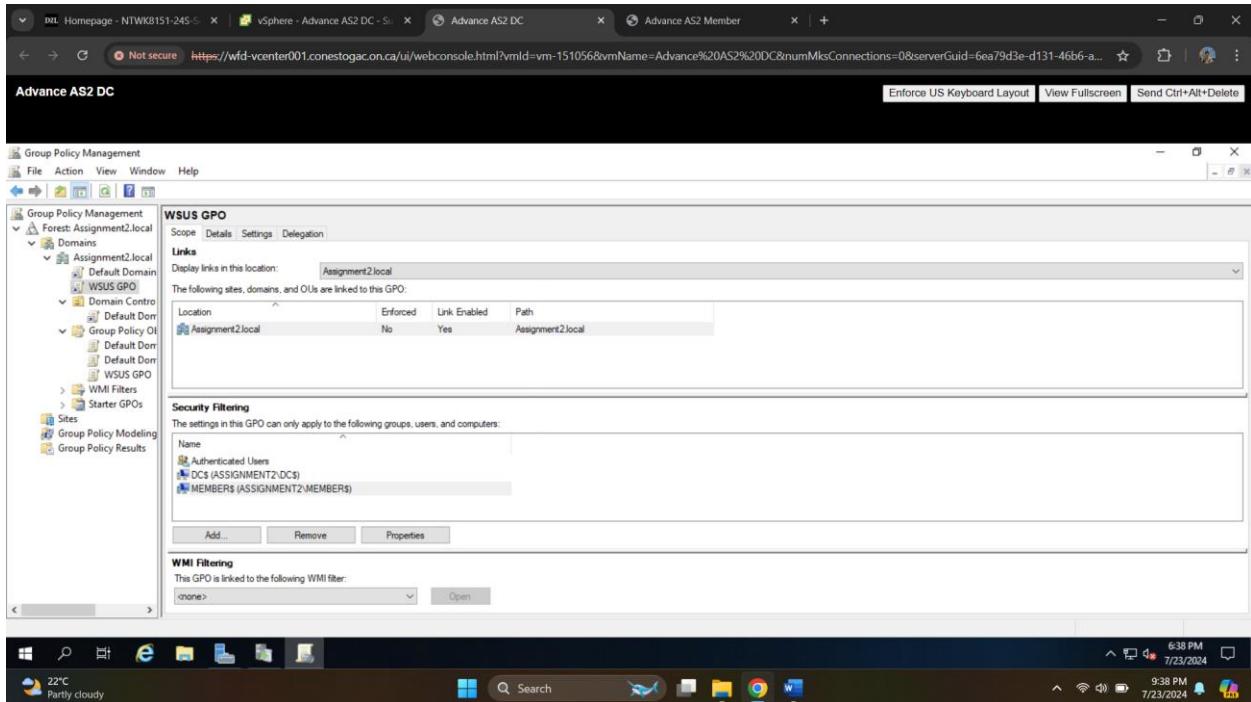


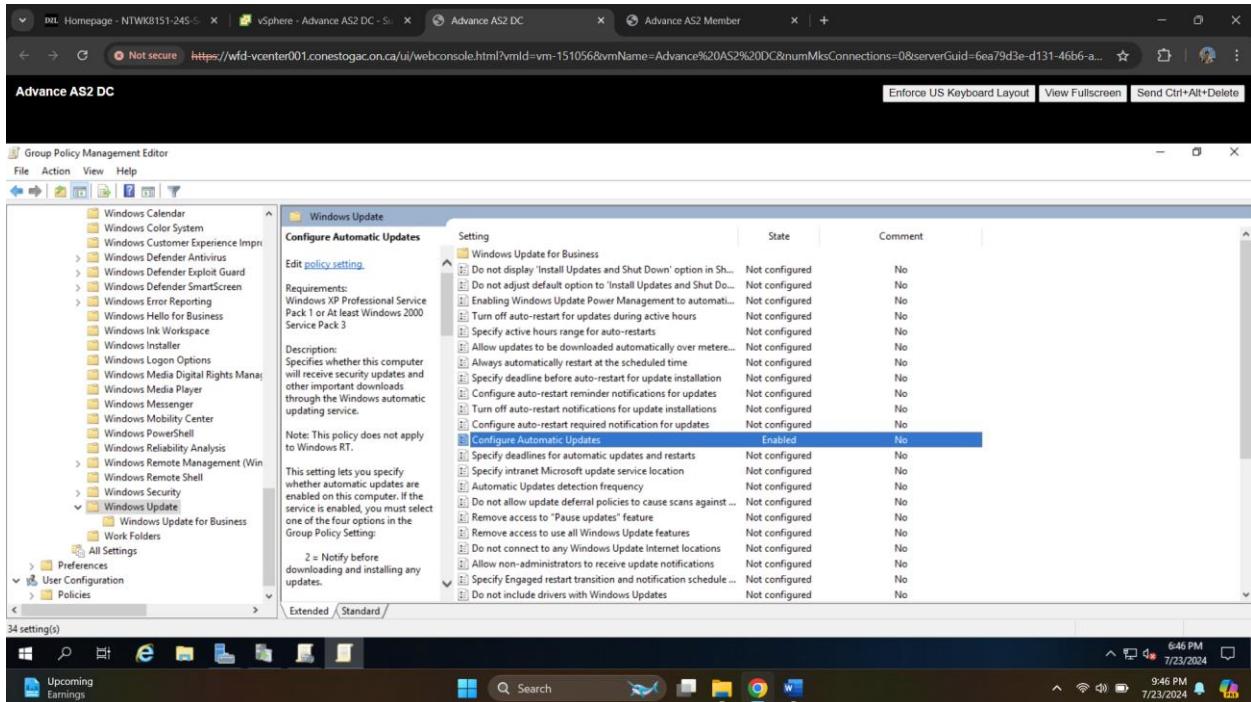
- Create a Synchronization schedule to occur at 9:00am every day



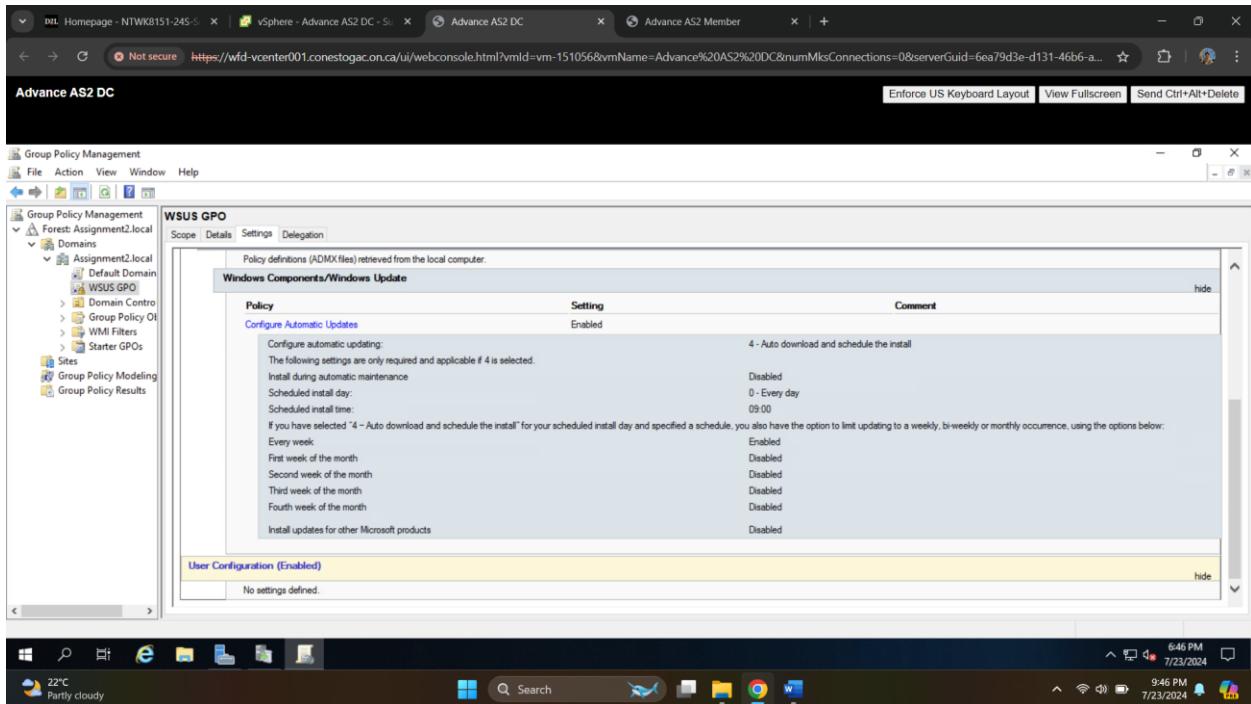
- Configure GPO
 - All computers in the domain use the WSUS server.



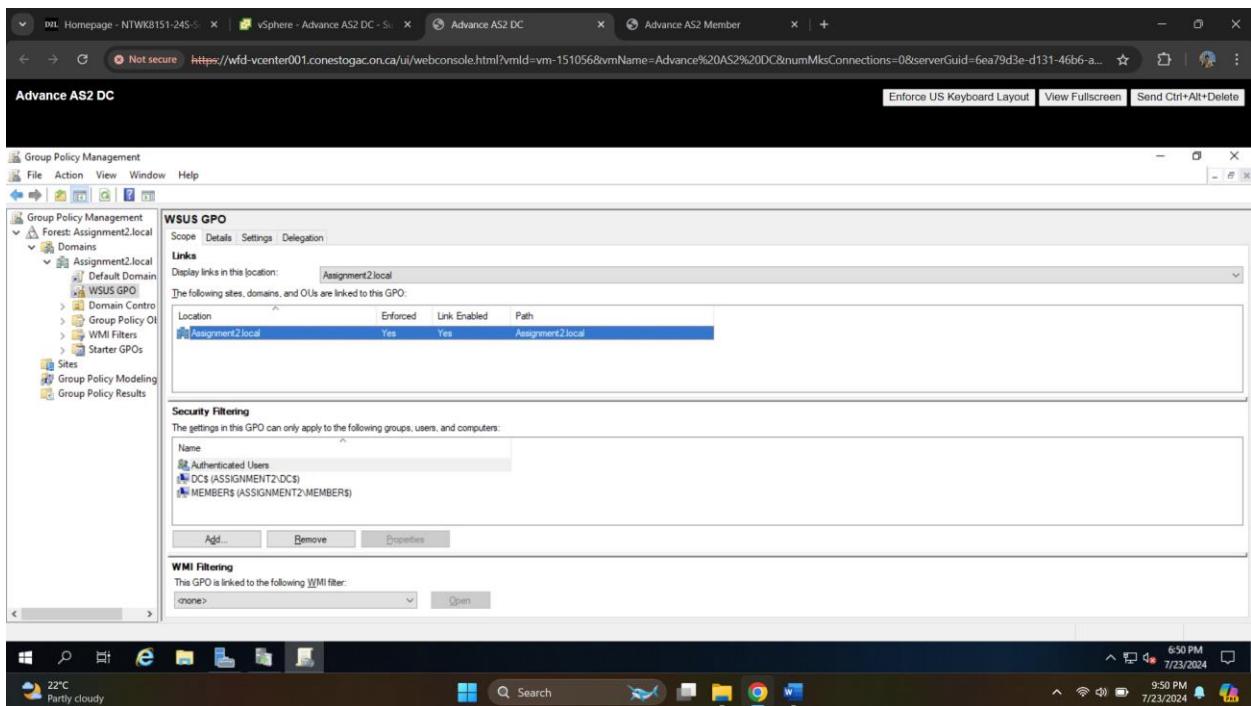




- Implement all necessary settings to achieve this objective.



- Force GPO to apply on both computers



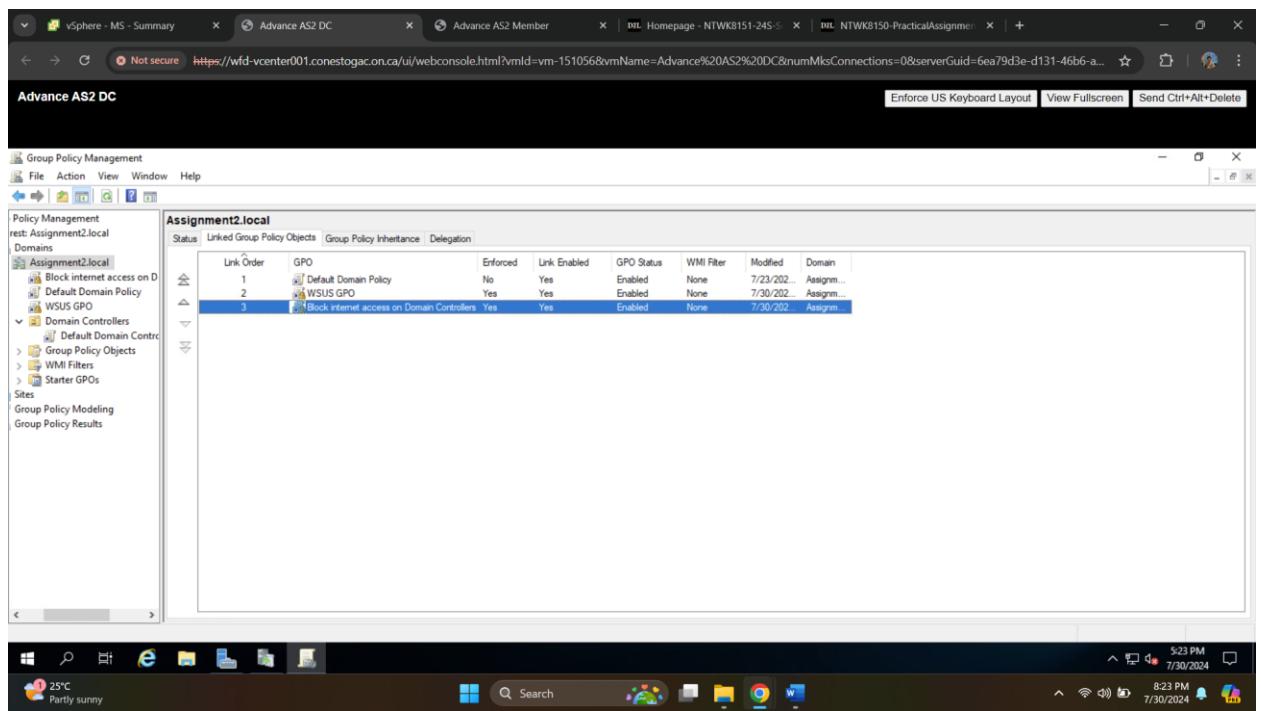
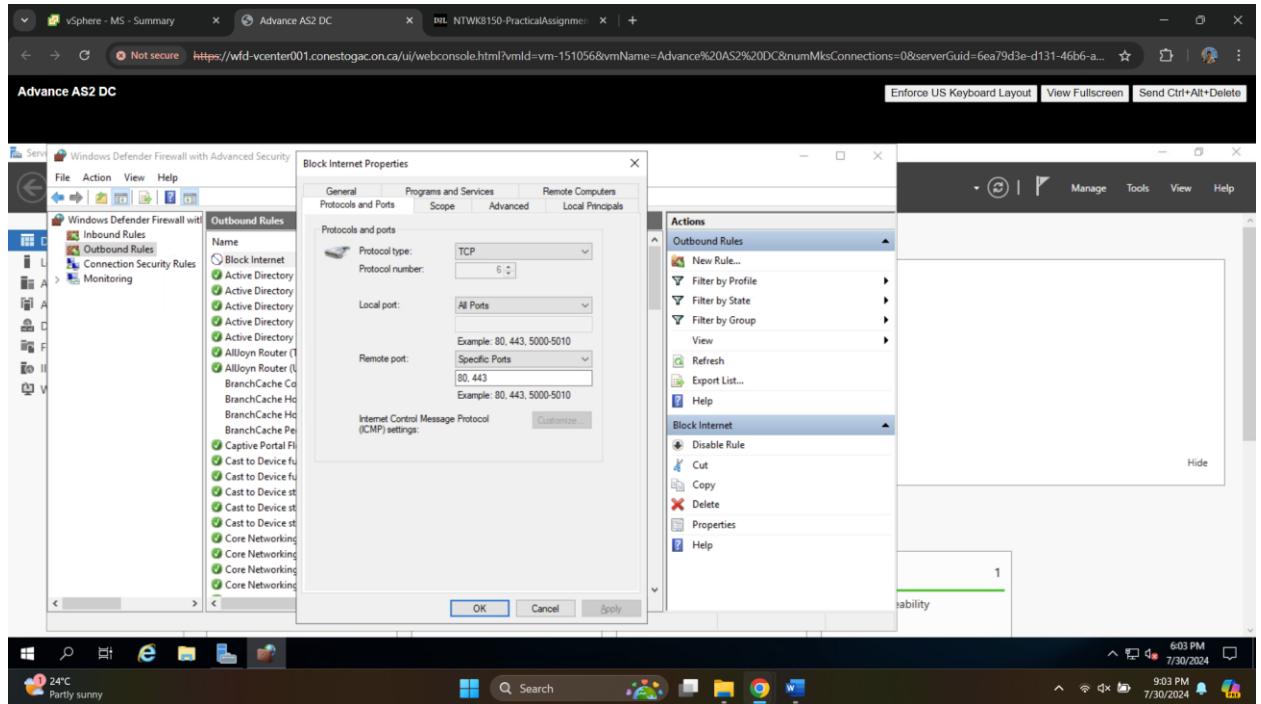
Stage2

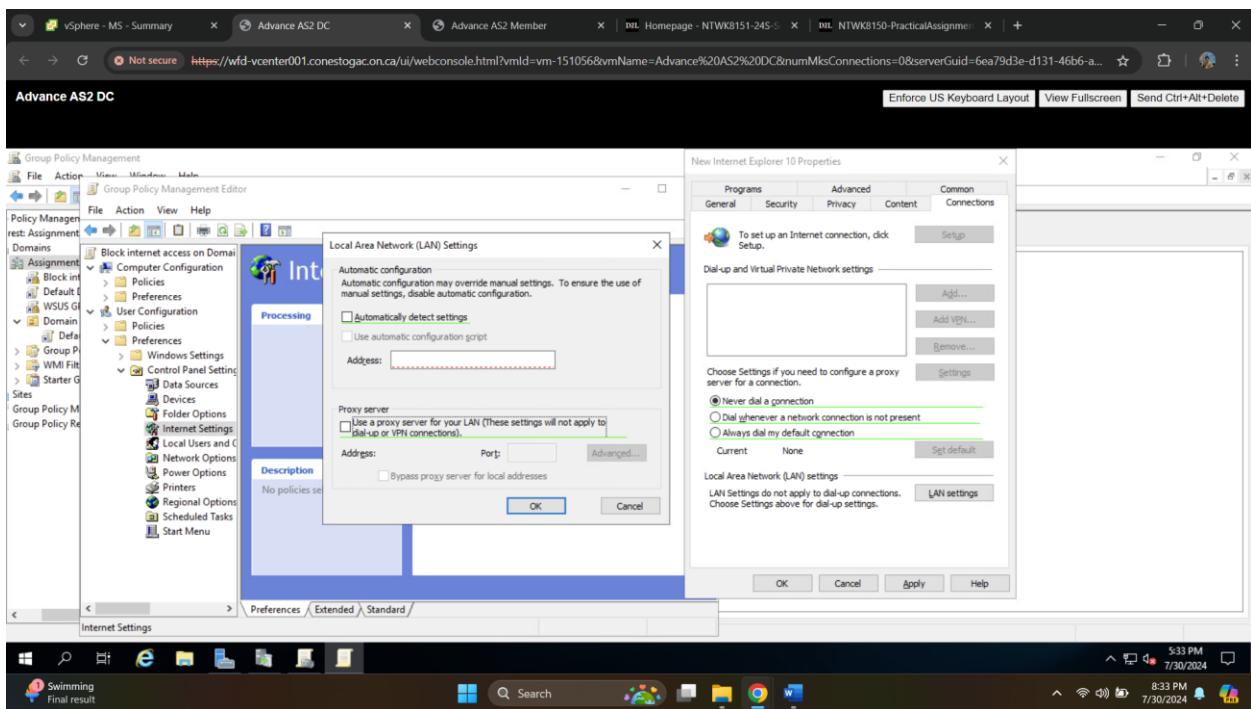
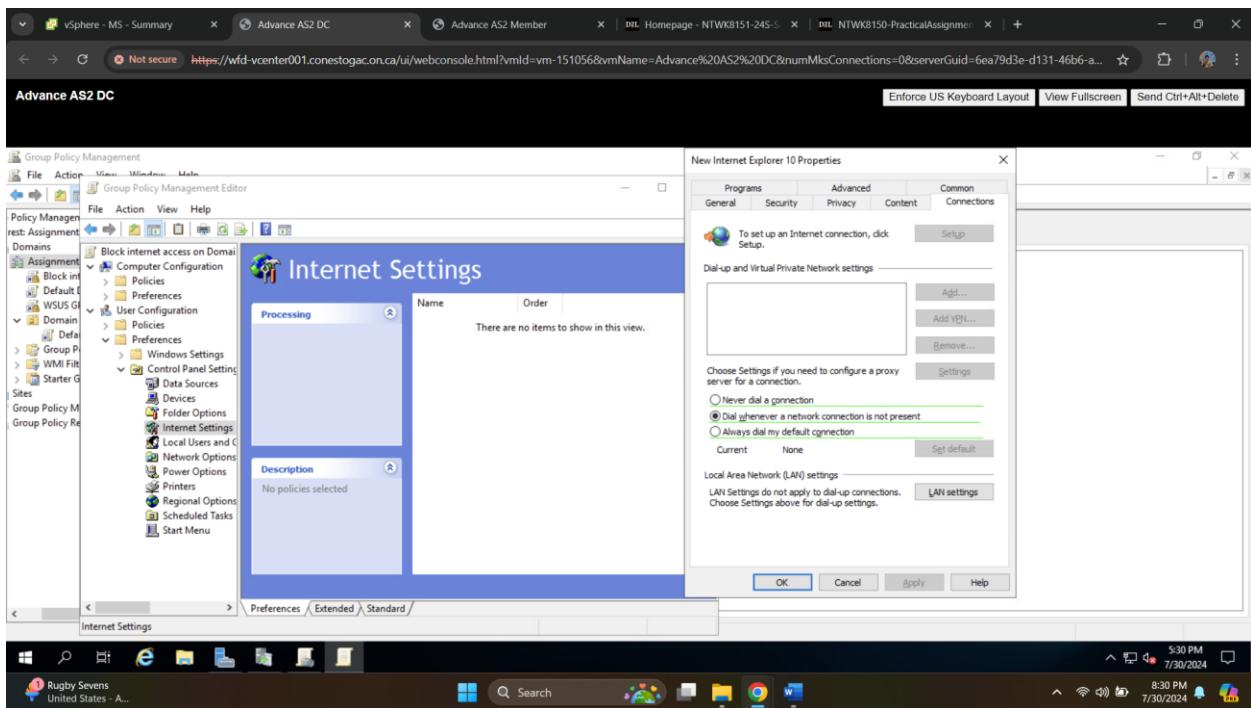
Right-click Default Domain Policy and click Edit to open the Group Policy Management Editor.

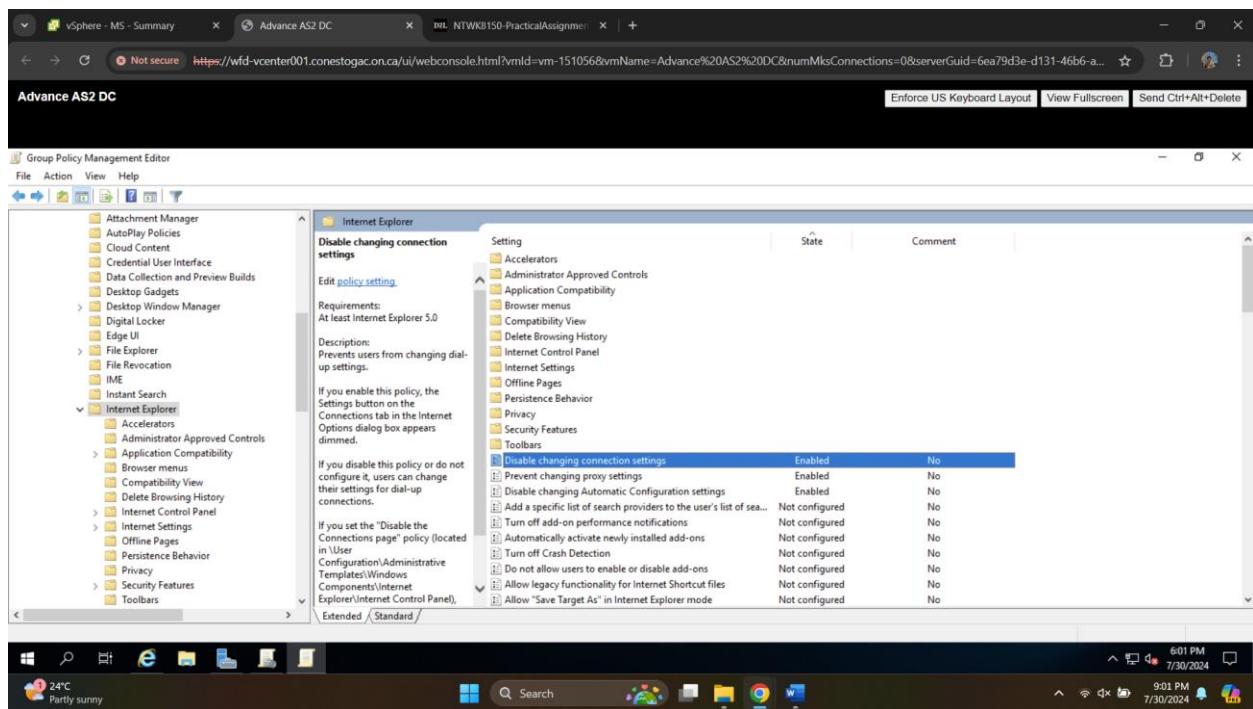
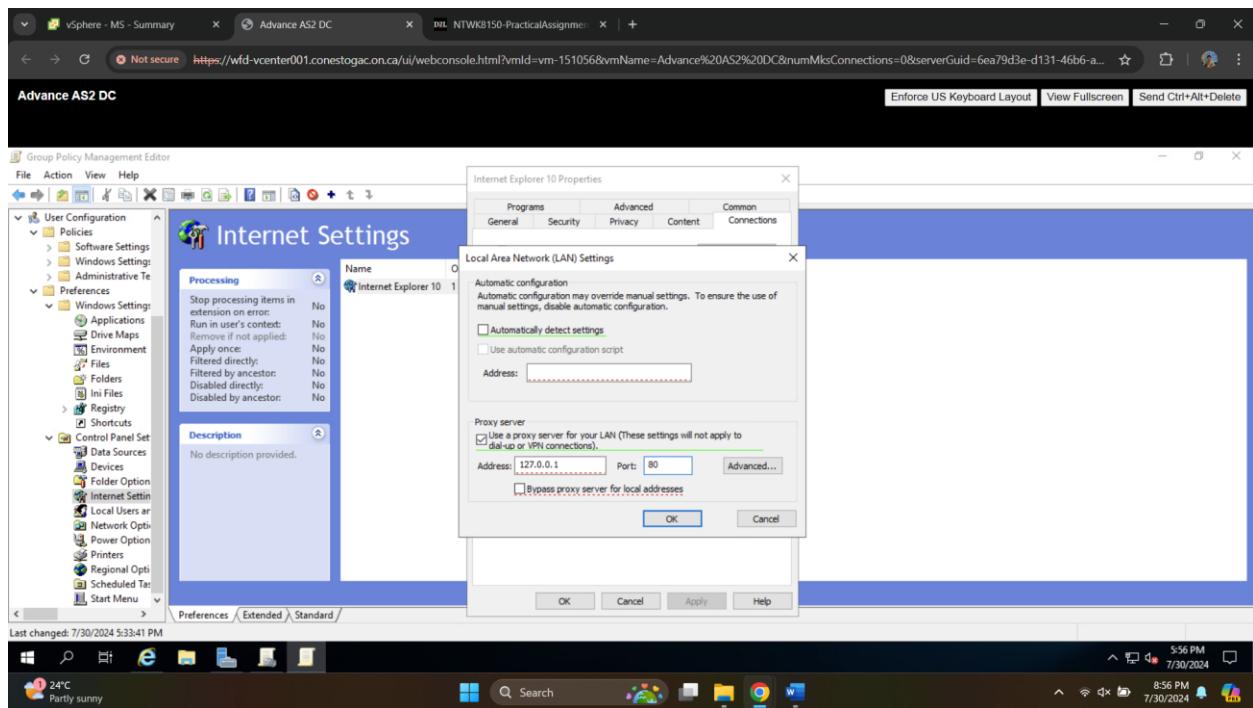
Expand User Configuration > Policies > Administrative Templates > Windows Components > Internet Explorer and click Internet Control Panel.

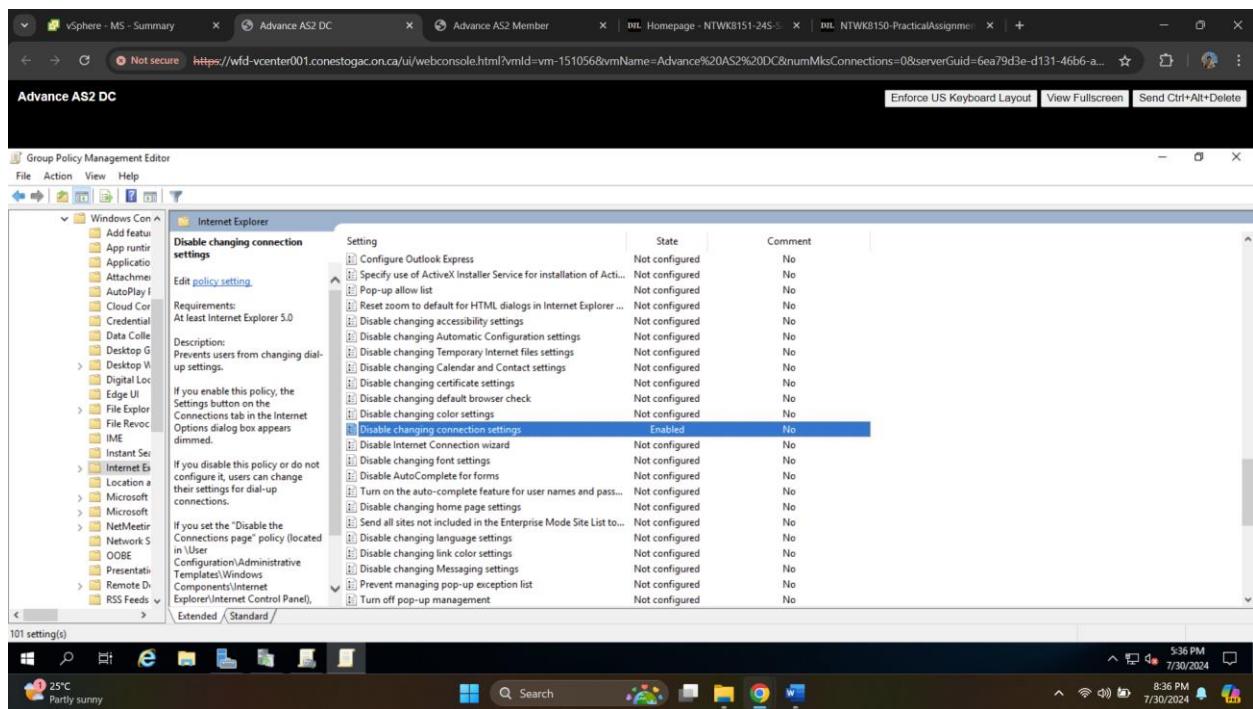
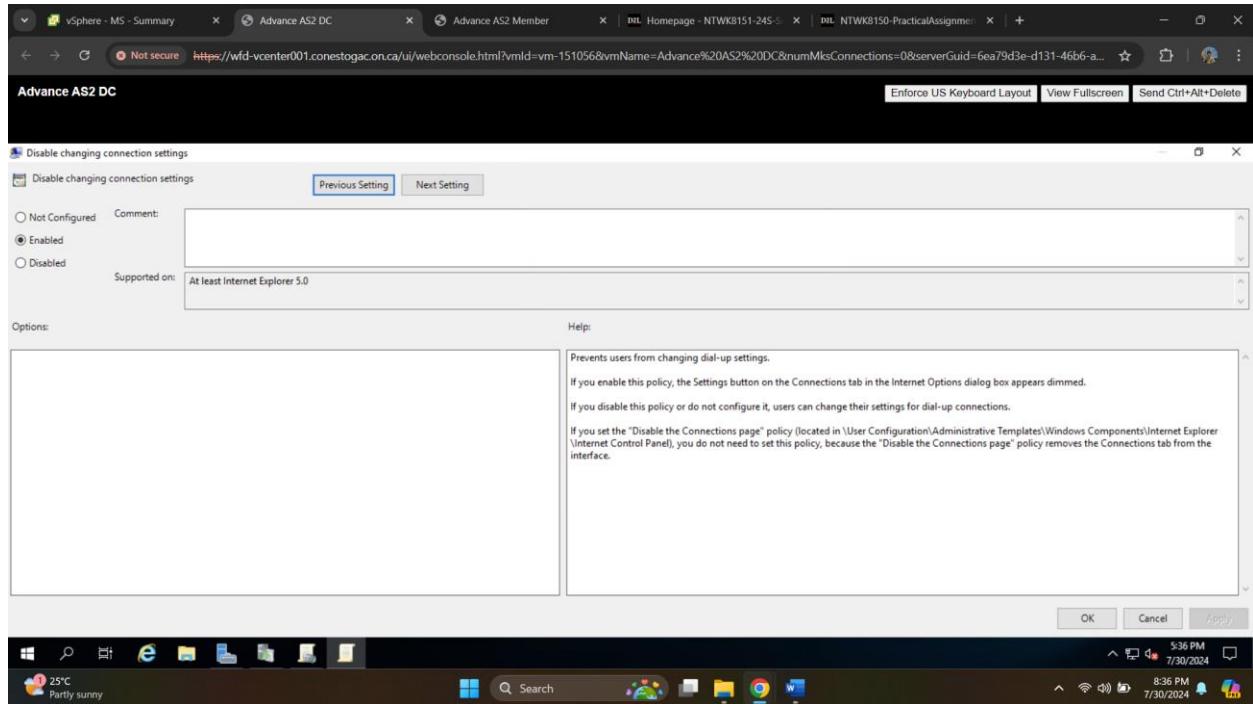
Right-click Disable the Connection page from the right panel and click Properties.

In the Setting tab, select Enabled.









Advance AS2 DC

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Group Policy Management Editor

Internet Explorer

Prevent changing proxy settings

Setting	State	Comment
Turn off pop-up management	Not configured	No
Disable changing Profile Assistant settings	Not configured	No
Prevent changing proxy settings	Enabled	No
Disable changing ratings settings	Not configured	No
Disable the Reset Web Settings feature	Not configured	No
Turn off the auto-complete feature for web addresses	Not configured	No
Prevent participation in the Customer Experience Improvement Program	Not configured	No
Turn off suggestions for all user-installed providers	Not configured	No
If you enable this policy setting, the user will not be able to configure proxy settings.	Not configured	No
Turn off the quick pick menu	Not configured	No
Search: Disable Find File via F3 within the browser	Not configured	No
Search: Disable Search Customization	Not configured	No
Disable changing secondary home page settings	Not configured	No
Show message when opening sites in Microsoft Edge using ...	Not configured	No
Limit Site Discovery output by Domain	Not configured	No
Turn on Site Discovery WMI output	Not configured	No
Turn on Site Discovery XML output	Not configured	No
Limit Site Discovery output by Zone	Not configured	No
Restrict search providers to a specific list	Not configured	No
Prevent configuration of new tab creation	Not configured	No
Set tab process growth	Not configured	No
Turn off ability to pin sites in Internet Explorer on the desktop	Not configured	No
Turn on ActiveX Filtering	Not configured	No

If you disable or do not configure this policy setting, the user can configure proxy settings.

Requirements: At least Internet Explorer 5.0

Description: This policy setting specifies if a user can change proxy settings. If you enable this policy setting, the user will not be able to configure proxy settings.

If you disable or do not configure this policy setting, the user can configure proxy settings.

Extended / Standard

101 setting(s)

5:45 PM 7/30/2024

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Group Policy Management Editor

Internet Explorer

Disable changing Automatic Configuration settings

Previous Setting | Next Setting

Enabled

Comment:

Supported on: At least Internet Explorer 5.0

Options:

This setting specifies to automatically detect the proxy server settings used to connect to the Internet and customize Internet Explorer. This setting specifies that Internet Explorer use the configuration settings provided in a file by the system administrator.

If you enable this policy setting, the user will not be able to do automatic configuration. You can import your current connection settings from your machine using Internet Explorer Maintenance under Admin Templates using group policy editor.

If you disable or do not configure this policy setting, the user will have the freedom to automatically configure these settings.

Help:

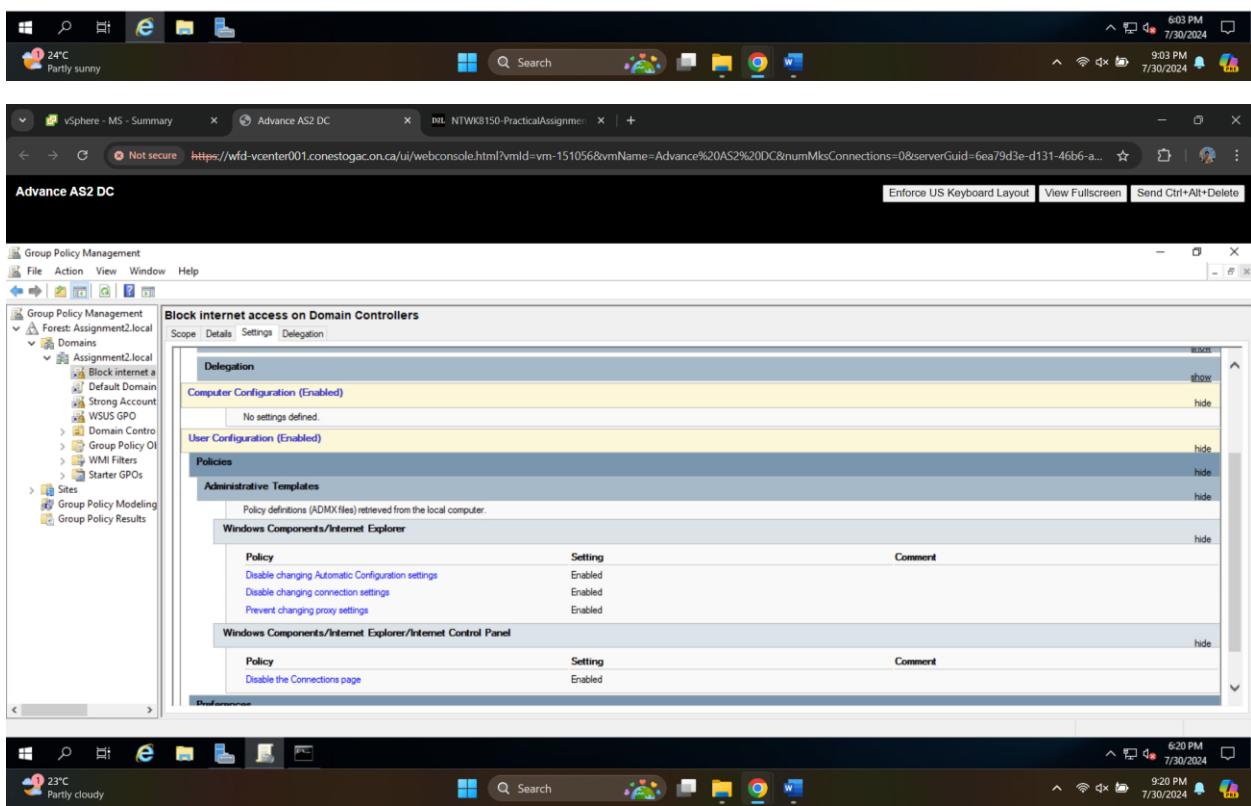
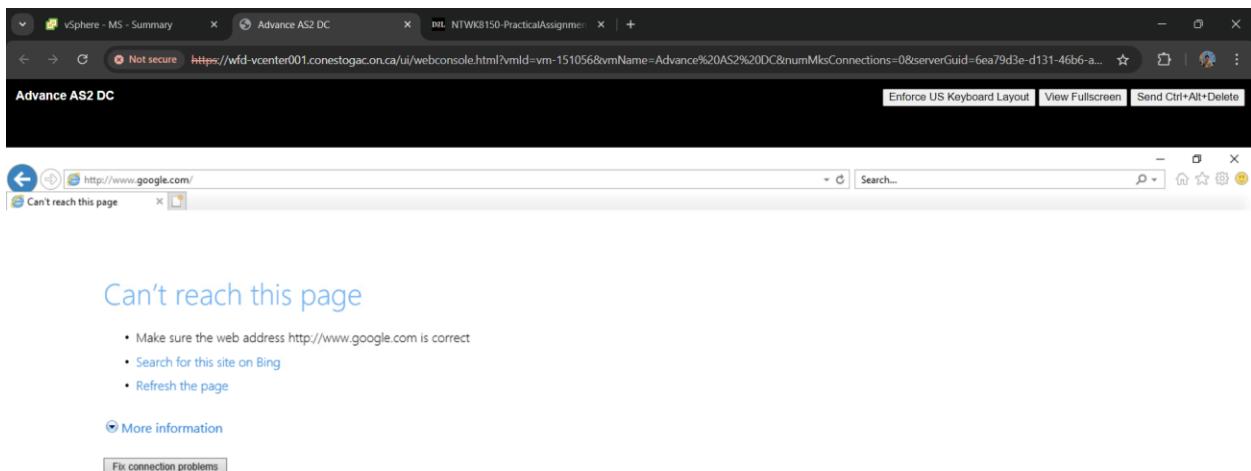
If you enable this policy setting, the user will not be able to do automatic configuration. You can import your current connection settings from your machine using Internet Explorer Maintenance under Admin Templates using group policy editor.

If you disable or do not configure this policy setting, the user will have the freedom to automatically configure these settings.

Extended / Standard

101 setting(s)

5:46 PM 7/30/2024



GPO for Strong Account Policies

Group Policy Management Editor

File Action View Help

Strong Account Policy [DC ASSIGNMENT2.LDAP]

Policies

- Software Settings
- Windows Settings
 - Name Resolution Policy
 - Scripts (Startup/Shutdown)
- Deployed Printers
- Security Settings
 - Account Policies
 - Password Policy
 - Account Lockout Policy
 - Kerberos Policy
 - Local Policies
 - Event Log
 - Restricted Groups
 - System Services
 - Registry
 - File System
 - Wired Network (IEEE 802.3)
 - Windows Defender Firewall
 - Network List Manager Pol
 - Wireless Network (IEEE 80.2)
 - Public Key Policies
 - Software Restriction Polici
 - Application Control Polici
 - IP Security Policies on Act
 - Advanced Audit Policy Cc
 - Policy-based QoS
- Administrative Templates: Policy

Group Policy Management Editor

File Action View Help

Strong Account Policy [DC ASSIGNMENT2.LDAP]

Policy

Policy	Policy Setting
Account lockout duration	10 minutes
Account lockout threshold	3 invalid logon attempts
Allow Administrator account lockout	Enabled
Reset account lockout counter after	10 minutes

Screenshot of the Group Policy Management Editor showing the Strong Account Policy [DCASSIGNMENT2.L] configuration. The 'Policy' section displays the following settings:

Policy	Setting
Enforce password history	3 passwords remembered
Maximum password age	31 days
Minimum password age	30 days
Minimum password length	14 characters
Minimum password length audit	Not Defined
Password must meet complexity requirements	Enabled
Store passwords using reversible encryption	Not Defined

The desktop taskbar shows the date and time as 7/30/2024, 6:18 PM.

Screenshot of the Group Policy Management console showing the Strong Account Policy [DCASSIGNMENT2.local] configuration. The 'Windows Settings' tab is selected, displaying the following settings:

Policy	Setting
Enforce password history	3 passwords remembered
Maximum password age	31 days
Minimum password age	30 days
Minimum password length	14 characters
Password must meet complexity requirements	Enabled

The desktop taskbar shows the date and time as 7/30/2024, 9:18 PM.

GPO must show as applied (gpresult)

vSphere - MS - Summary Advance AS2 DC NTWK8150-PracticalAssignment

Not secure https://wfd-vcenter001.conestogac.on.ca/u/webconsole.html?vmId=vm-151056&vmName=Advance%20AS2%20DC&numMksConnections=0&serverGuid=6ea79d3e-d131-46b6-a...

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Advance AS2 DC

Group Policy Management

File Action View Window Help

Assignment2.local

Link Order	GPO	Enforced	Link Enabled	GPO Status	WMI Filter	Modified	Domain
1	Default Domain Policy	Yes	Yes	Enabled	None	7/30/2024 5:18:52 PM	Assignment2.local
2	WSUS GPO	Yes	Yes	Enabled	None	7/30/2024 5:07:47 PM	Assignment2.local
3	Block internet access on Domain Controllers	Yes	Yes	Enabled	None	7/30/2024 5:01:02 PM	Assignment2.local
4	Strong Account Policy	Yes	Yes	Enabled	None	7/30/2024 6:18:06 PM	Assignment2.local

Domains

- Assignment2.local
 - Block internet access on Domain Controllers
 - Default Domain Policy
 - Strong Account Policy
 - WSUS GPO
 - Domain Controllers
 - Group Policy Objects
 - WMI Filters
 - Starter GPOs
- Sites
- Group Policy Modeling
- Group Policy Results



vSphere - MS - Summary Advance AS2 DC NTWK8150-PracticalAssignment

Not secure https://wfd-vcenter001.conestogac.on.ca/u/webconsole.html?vmId=vm-151056&vmName=Advance%20AS2%20DC&numMksConnections=0&serverGuid=6ea79d3e-d131-46b6-a...

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Advance AS2 DC

Administrator: Command Prompt

Microsoft Windows [Version 10.0.17763.6054]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>gpupdate /force
Updating policy...

Computer Policy update has completed successfully.
User Policy update has completed successfully.

C:\Users\Administrator>gpresult /r
Microsoft (R) Windows (R) Operating System Group Policy Result tool v2.0
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Created on 7/30/2024 at 6:23:49 PM

RSOP data for ASSIGNMENT2\Administrator on DC : Logging Mode

OS Configuration: Primary Domain Controller
OS Version: 10.0.17763
Site Name: Default-First-Site-Name
Roaming Profile: N/A
Local Profile: C:\Users\Administrator
Connected over a slow link?: No

COMPUTER SETTINGS

CN=DC,OU=Domain Controllers,DC=Assignment2,DC=local
Last time Group Policy was applied: 7/30/2024 at 6:23:19 PM
Group Policy was applied from: DC.Assignment2.local
Group Policy slow link threshold: 500 kbps
Domain Name: ASSIGNMENT2

Windows taskbar showing the date and time.

6:23 PM 7/30/2024

9:23 PM 7/30/2024

