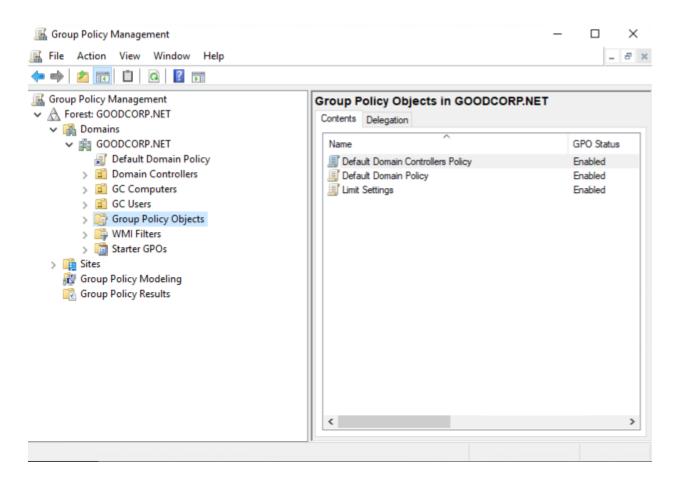
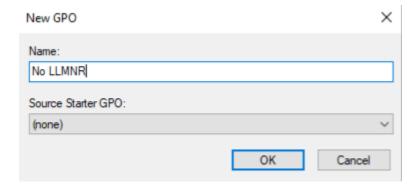
For my own sake, I will be going through each of these step by step to show how I accomplished the deliverable

**Deliverable for Task 1:** Take a screenshot of all the GPOs created for this homework assignment. To find these, launch the Group Policy Management tool, select **Group Policy Objects**, and take a screenshot of the GPOs you've created.

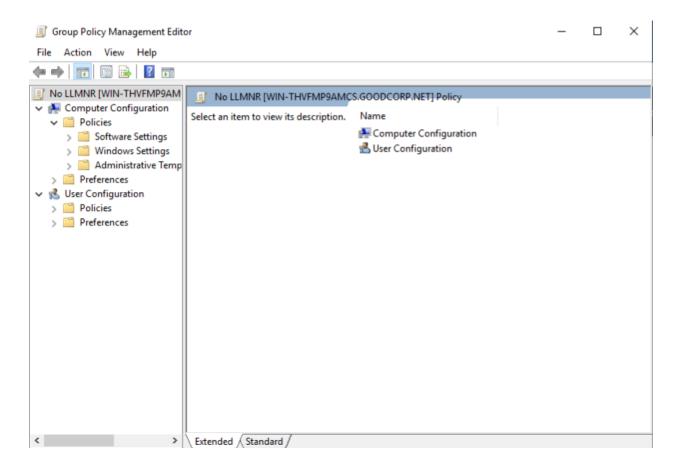
From the desktop, I searched "Group Policy Management" and opened the program.



From there, we go to "Group Policy Objects" and create "new" and call it "No LLMNR"



We then right click our new policy and go to "edit", which brings us the following:

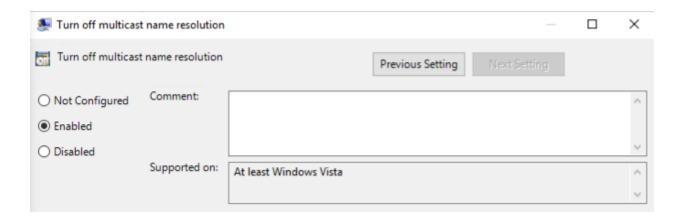


Once here, follow the directory: Computer Configuration\Policies\Administrative Templates\Network\DNS Client.

Now we look for "Turn off multicast name resolution"

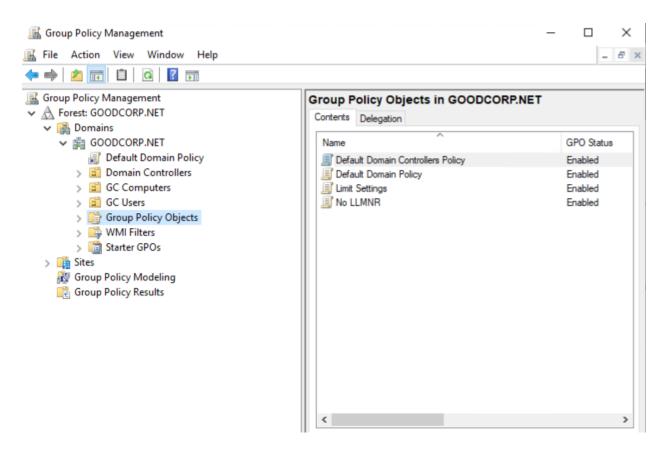
Update security level
Update top level domain zones
Primary DNS suffix devolution
Turn off multicast name resolution

There it is at the bottom. Now to enable the policy.



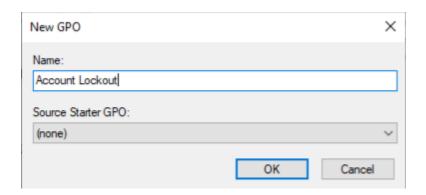
## We click "apply" then "OK"

The last step is to return to the overall Group Policy Management. Right click on GC Computers, "Link an existing GPO" and select the GPO we created titled "No LLMNR" Displayed below is the final deliverable requested of all the GPO's

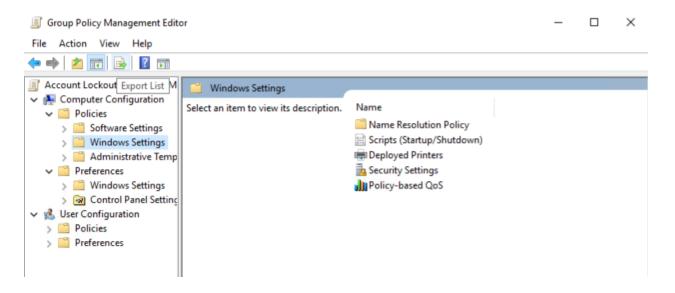


**Deliverable for Task 2:** Submit a screenshot of the different Account Lockout policies in Group Policy Management Editor. It should show the three values you set under the Policy and Policy Setting columns.

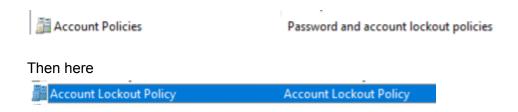
Same as above, go to "Group Policy Objects" and create "new" and call it "Account Lockout"



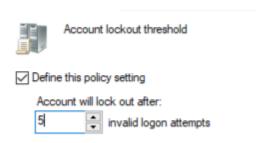
So now we're going to fiddle with some security settings. In the GPO editor. We're going to follow: Computer Configuration/Windows Settings/Security Settings



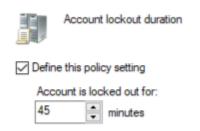
Open up security settings. We're trying to edit account lockouts, so the only relevant item in here is "Account Policies" which has "account lockout policies" in the description. So let's go there.



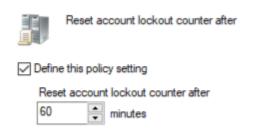
Lockout Threshold, or how many attempts the user has to try the password, will be set to 5 attempts.



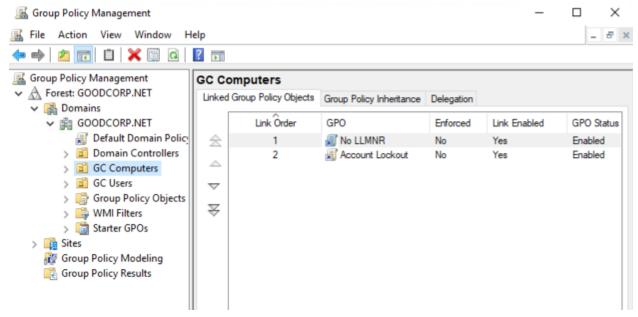
Account lockout duration, or how long the user will be locked out after 5 incorrect attempts, will be set at 45 minutes.



Finally, the attempts can be reset within, let's say 60 minutes.



Now back to the Group Policy Manager. Like the last setting, we will link this GPO to the "GC Computers"



And there it is.

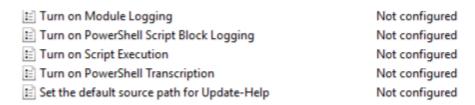
**Deliverable for Task 3:** Submit a screenshot of the different Windows PowerShell policies within the Group Policy Management Editor. Four of these should be enabled.

Same as the previous two, we're going to create a GPO called "Powershell Logging"

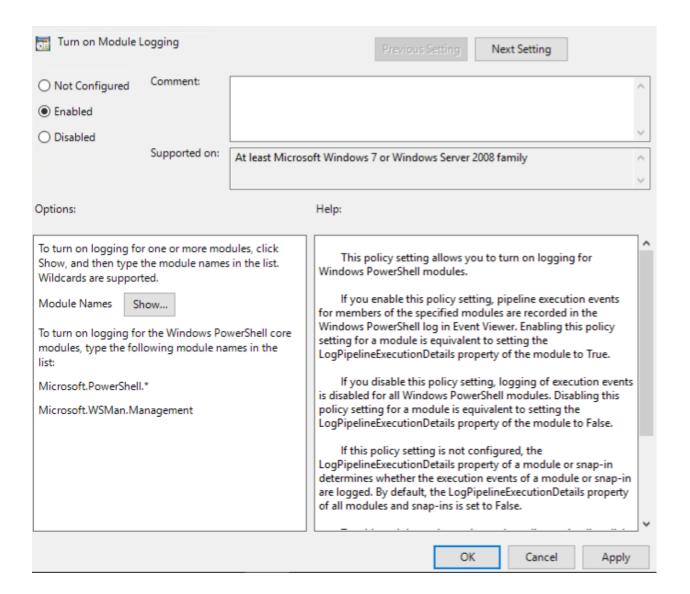


There it is at the bottom. Next we're going to edit the newly created GPO. We have to find Powershell specific settings, so we'll follow the directory of Computer Configuration/Administrative Templates/Windows Components/Windows Powershell

Once you find it, you will see these settings:

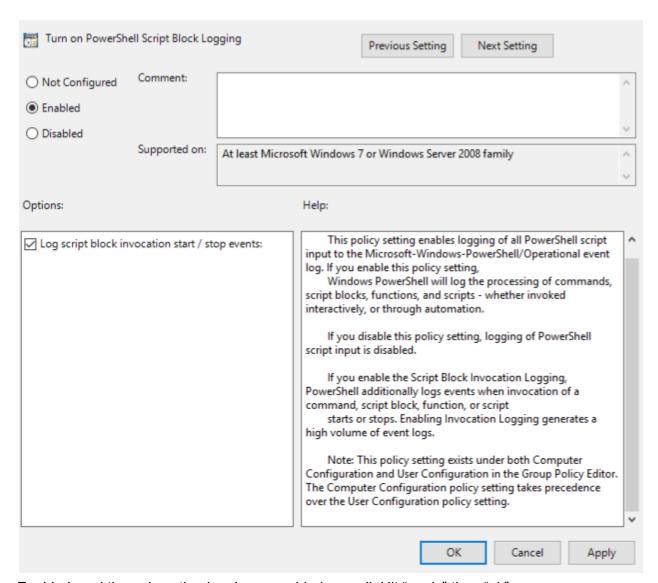


We want to enable "Turn on Module Logging"



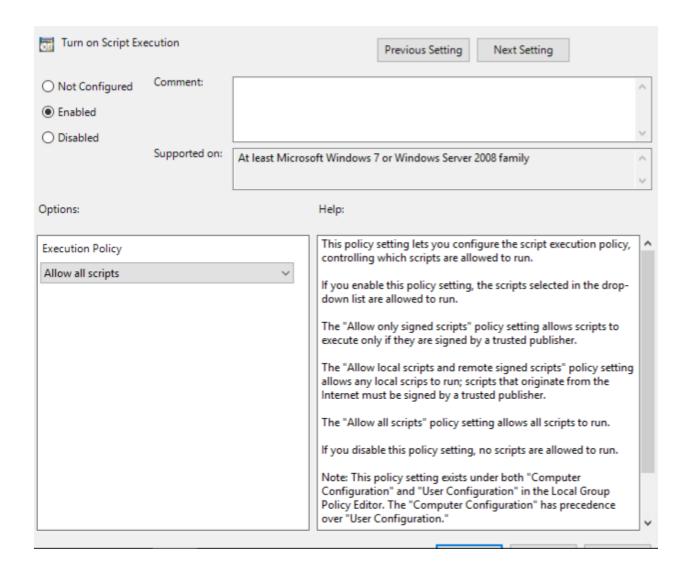
Before we hit "apply" we also need to log all powershell modules. For these we can use the wildcard (\*). Click "show" and create a value, type in "\*" to signify all. Click "ok", then "apply" on the main module editing, then "ok" again. It will now be enabled.

Next we enable "PowerShell Script Block Logging"



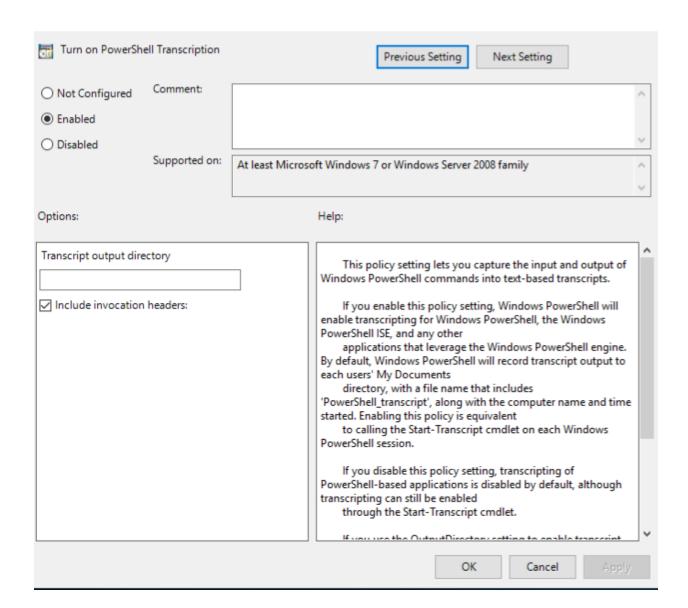
Enabled, and the only option has been enabled as well. Hit "apply" then "ok"

Script Execution is next:

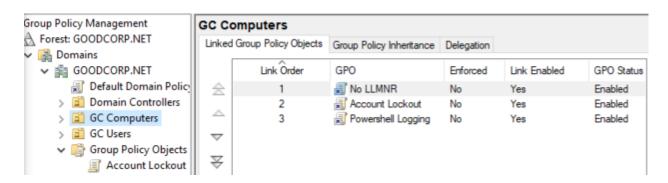


Enabled and set the Execution Policy to "Allow all scripts". Hit "Apply" then "ok"

Lastly, we enable Powershell Transcription:



With everything necessary now enabled, we have to link it to GC Computers.



There it is. Now onto Task 4.

**Deliverable for Task 4:** Submit a copy of your enum\_acls.ps1 script.

First, let's navigate to documents in Powershell since that's where our finished script will go. You can do this with cd .\Documents\.

Once in here, we can start making our script.

```
#Script for Assigning Directory to Current Directory
$directory = dir .\
foreach ($item in $directory)
{
         Get-Acl $item.Fullname
}
```

There's our script. Now to test it.

```
Directory: C:\Users\sysadmin.GOODCORP\Documents
                      LastWriteTime
                                             Length Name
Mode
                                                 523 .enum_acls.ps1.un~
194 enum_acls.ps1
               11/4/2021 8:21 PM
11/4/2021 8:21 PM
-a----
PS C:\Users\sysadmin.GOODCORP\Documents> vim .\enum_acls.ps1
PS C:\Users\sysadmin.GOODCORP\Documents> .\enum_acls.ps1
    Directory: C:\Users\sysadmin.GOODCORP\Documents
Path
                   Owner
                                                Access
.enum_acls.ps1.un~ BUILTIN\Administrators NT AUTHORITY\SYSTEM Allow FullControl...
enum_acls.ps1 BUILTIN\Administrators NT AUTHORITY\SYSTEM Allow FullControl...
enum_acls.ps1~ BUILTIN\Administrators NT AUTHORITY\SYSTEM Allow FullControl...
PS C:\Users\sysadmin.GOODCORP\Documents> _
```

**Deliverable for Bonus Task 5:** Submit a screenshot of the contents of one of your transcribed PowerShell logs or a copy of one of the logs.