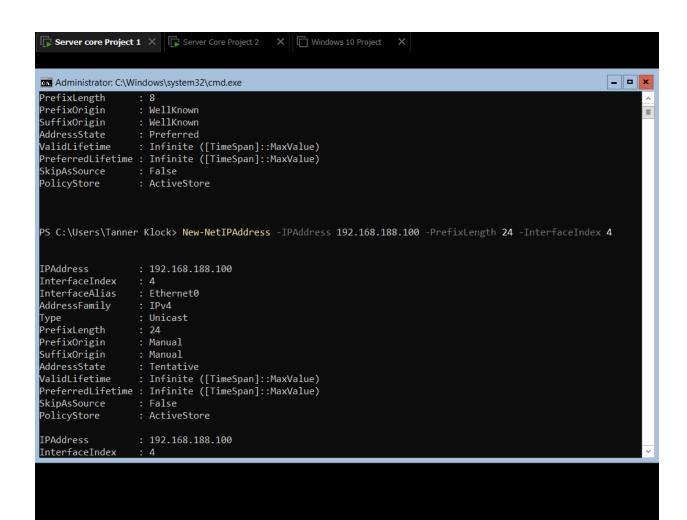
Final Project

Tanner Klock, Adam Sabatini 100923929, 100945612 COSC 2101

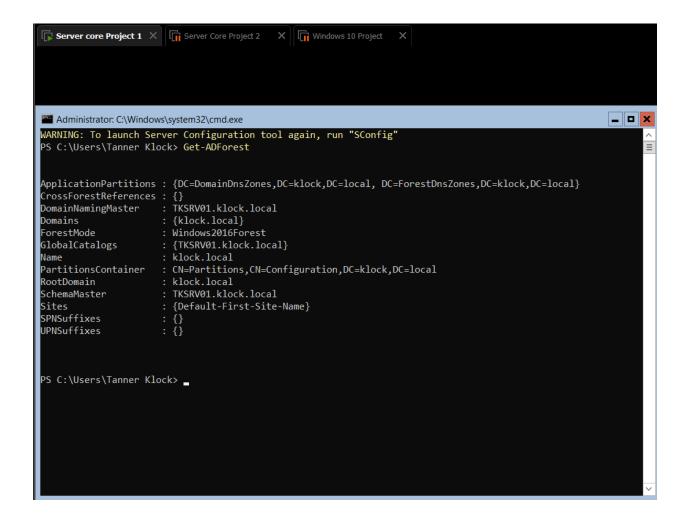
December 2nd, 2024

PART 1:

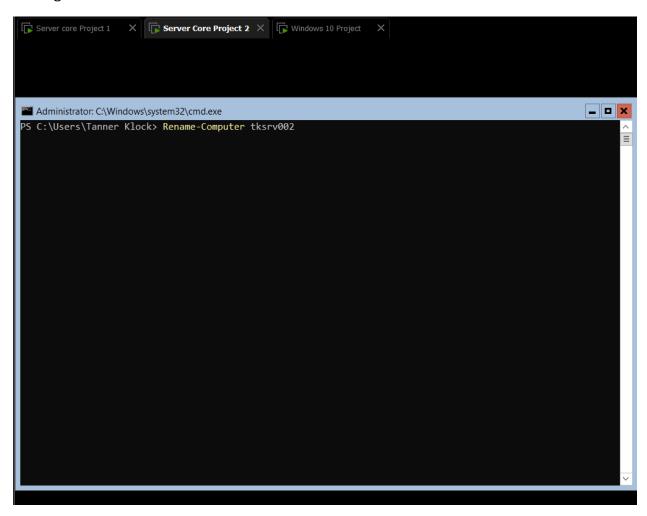
Setting Static IP on DC server:

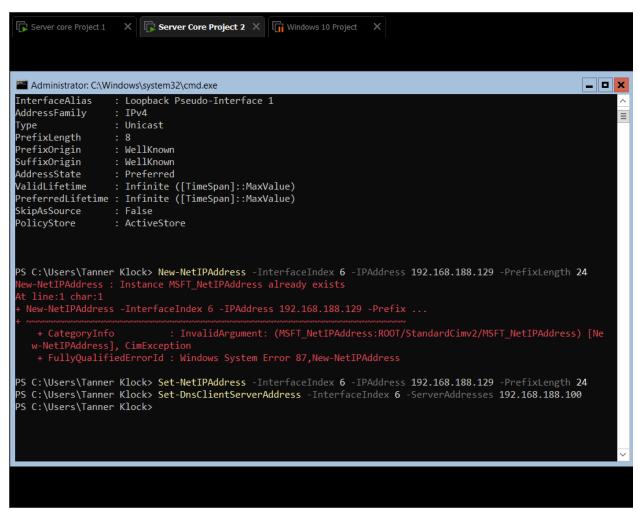


Setting up server as Domain Controller:



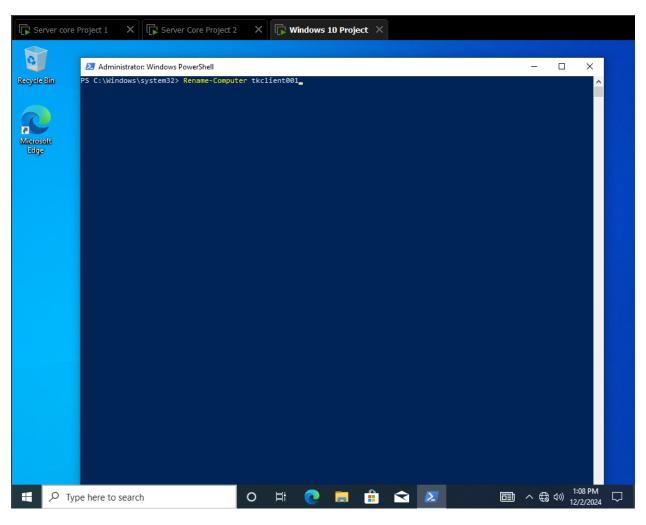
Setting Static IP on member server:

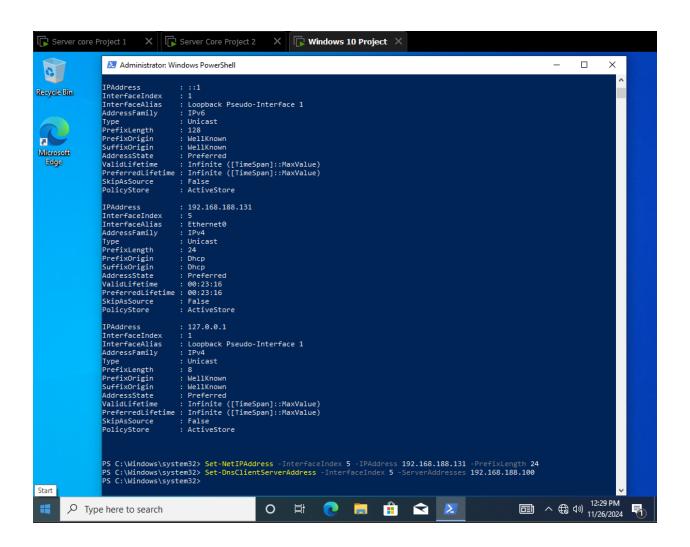




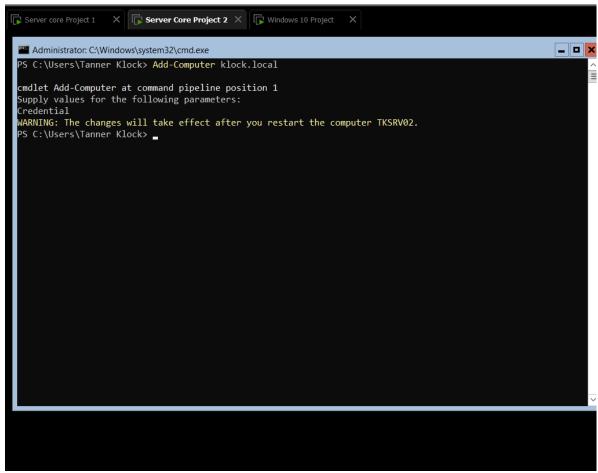
Since there was already an ip address assigned to this server the Set-NetIPAddress cmdlet needed to be used rather than New-NetIPAddress.

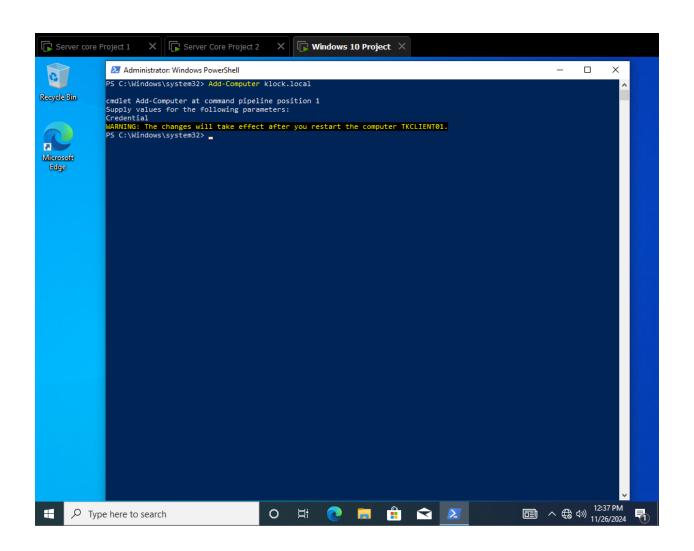
Setting Static IP on client:





Joining member server and client:

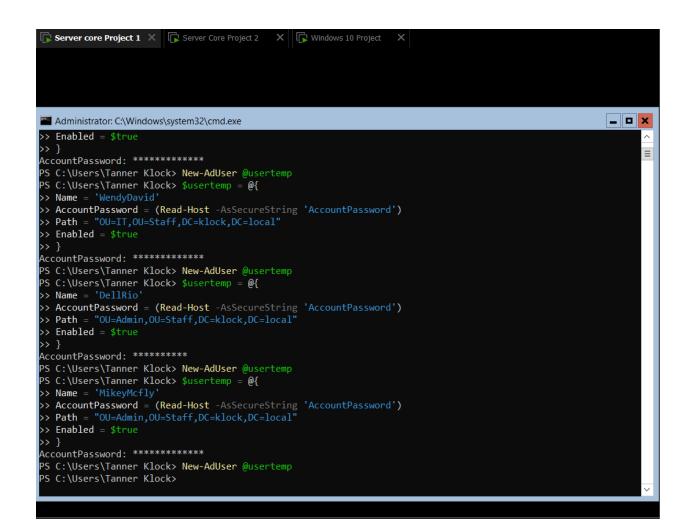


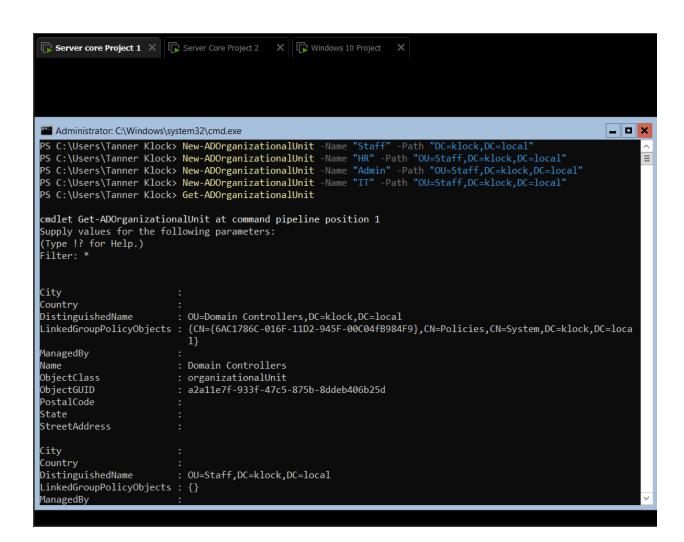


Creating Users and OUS:

```
Server core Project 1 X Server Core Project 2 X Windows 10 Project X
                                                                                                                                  _ 0 ×
Administrator: C:\Windows\system32\cmd.exe
PS C:\Users\Tanner Klock> $usertemp = @{
                                                                                                                                           <u>^</u>
>> Name = BryceSmith
>> AccountPassword = (Read-Host -AsSecureString 'Bryce10Smith$')
>> Path = "OU=HR,OU=Staff,DC=klock,DC=local"
>> Enabled = $true
>> }
BryceSmith : The term 'BryceSmith' is not recognized as the name of a cmdlet, function, script file, or
operable program. Check the spelling of the name, or if a path was included, verify that the path is
correct and try again.
At line:2 char:8
+ Name = BryceSmith
    + CategoryInfo : ObjectNotFound: (BryceSmith:String) [], CommandNotFoundException + FullyQualifiedErrorId : CommandNotFoundException
PS C:\Users\Tanner Klock> $usertemp = @{
>> Name = 'BryceSmith'
>> AccountPassword = (Read-Host -AsSecureString 'Bryce10Smith$')
>> Path = "OU=HR,OU=Staff,DC=klock,DC=local"
>> Enabled = $true
>> }
Bryce10Smith$:
PS C:\Users\Tanner Klock> $usertemp = @{
>> Name = 'BryceSmith'
>> AccountPassword = (Read-Host -AsSecureString 'AccountPassword')
>> Path = "OU=HR,OU=Staff,DC=klock,DC=local"
>> Enabled = $true
AccountPassword: **********
PS C:\Users\Tanner Klock> New-ADUser $usertemp
```

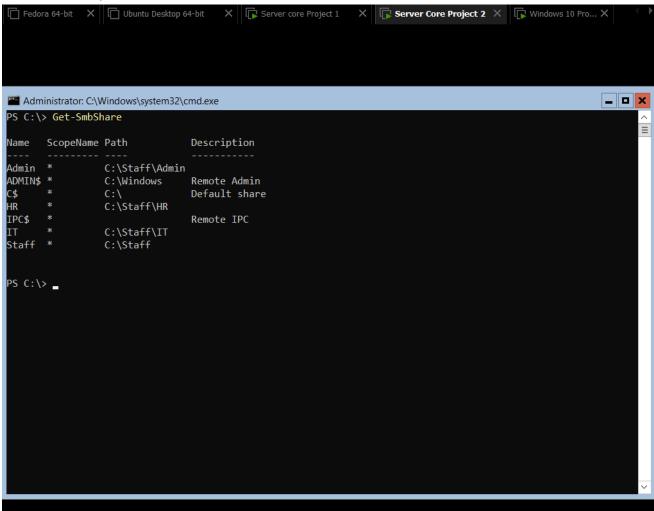
This error occurred due to Powershell interpreting the name field BryceSmith as a cmdlet rather than a string. This was fixed by placing the name within quotation marks.





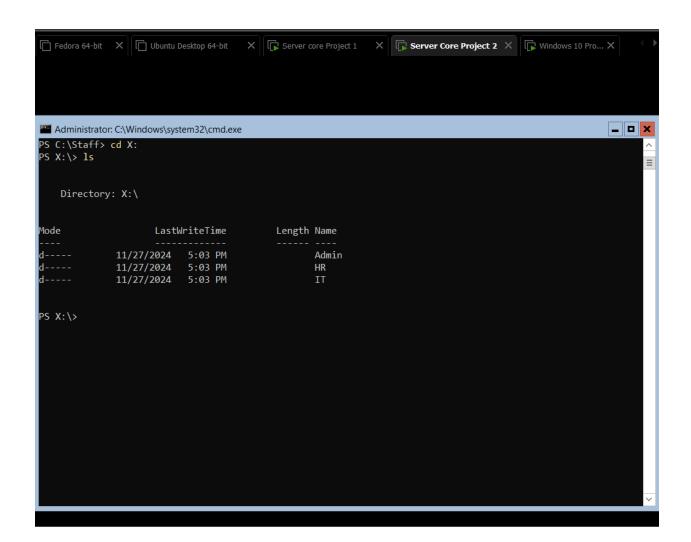
PART 2:

Folder share system that mirrors OUS:

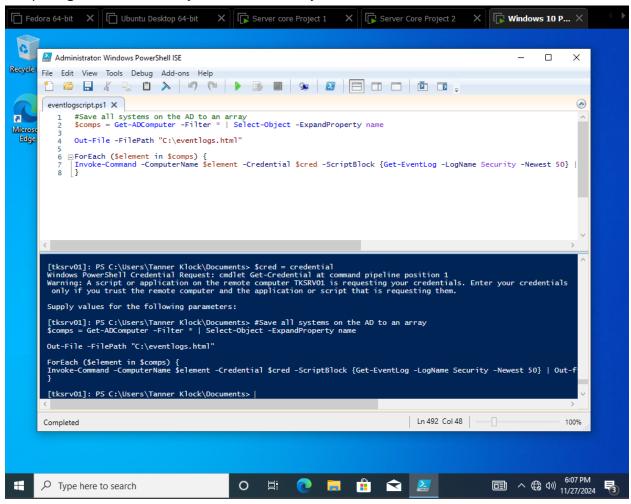


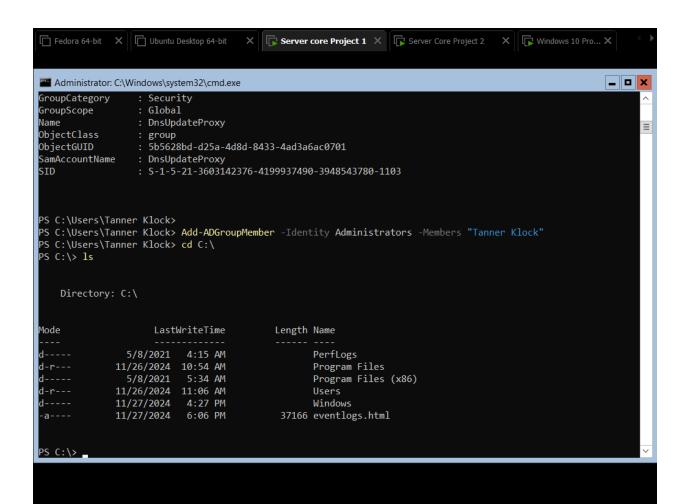
```
Fedora 64-bit X | Duntu Desktop 64-bit
                                            X | Server core Project 1 X | Server Core Project 2 X | Windows 10 Pro... X
Administrator: C:\Windows\system32\cmd.exe
                                                                                                                         _ 0 X
PS C:\> New-SmbGlobalMapping -localPath "X:" -RemotePath "\\tksrv02\Staff" -Persistent $true
cmdlet New-SmbGlobalMapping at command pipeline position 1
Supply values for the following parameters:
Credential
 t line:1 char:1
- New-SmbGlobalMapping -localPath "X:" -RemotePath "\\tksrv02\Staff" -P ...
   + CategoryInfo : AuthenticationError: (MSFT_SmbGlobalMapping:ROC) [New-SmbGlobalMapping], CimException + FullyQualifiedErrorId : Windows System Error 1326,New-SmbGlobalMapping
PS C:\> New-SmbGlobalMapping -localPath "X:" -RemotePath "\\tksrv02\Staff" -Persistent $true
cmdlet New-SmbGlobalMapping at command pipeline position 1
Supply values for the following parameters:
Credential
Status Local Path Remote Path
                     \\tksrv02\Staff
PS C:\>
```

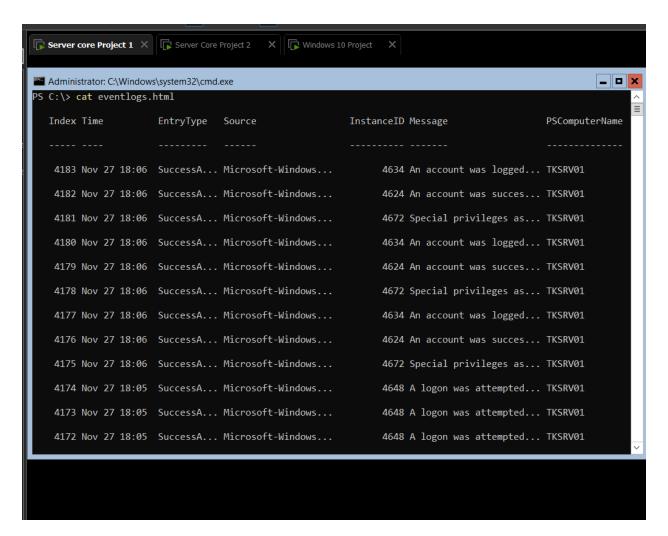
The error above occurred because we tried to use the local administrator's login information rather than the Active Directory administrator's login information. Once we tried to login using the right credentials, we were able to make the share.



Script to get the 50 latest system and security events:







Script:

\$comps = Get-ADComputer -Filter * | Select-Object -ExpandProperty name

Out-File -FilePath "C:\eventlogs.html"

ForEach (\$element in \$comps) {

Invoke-Command -ComputerName \$element -Credential \$cred -ScriptBlock {Get-EventLog -LogName Security -Newest 50} | Out-file -Append -FilePath "C:\eventlogs.html"

}

Schedule script to run once a day:

