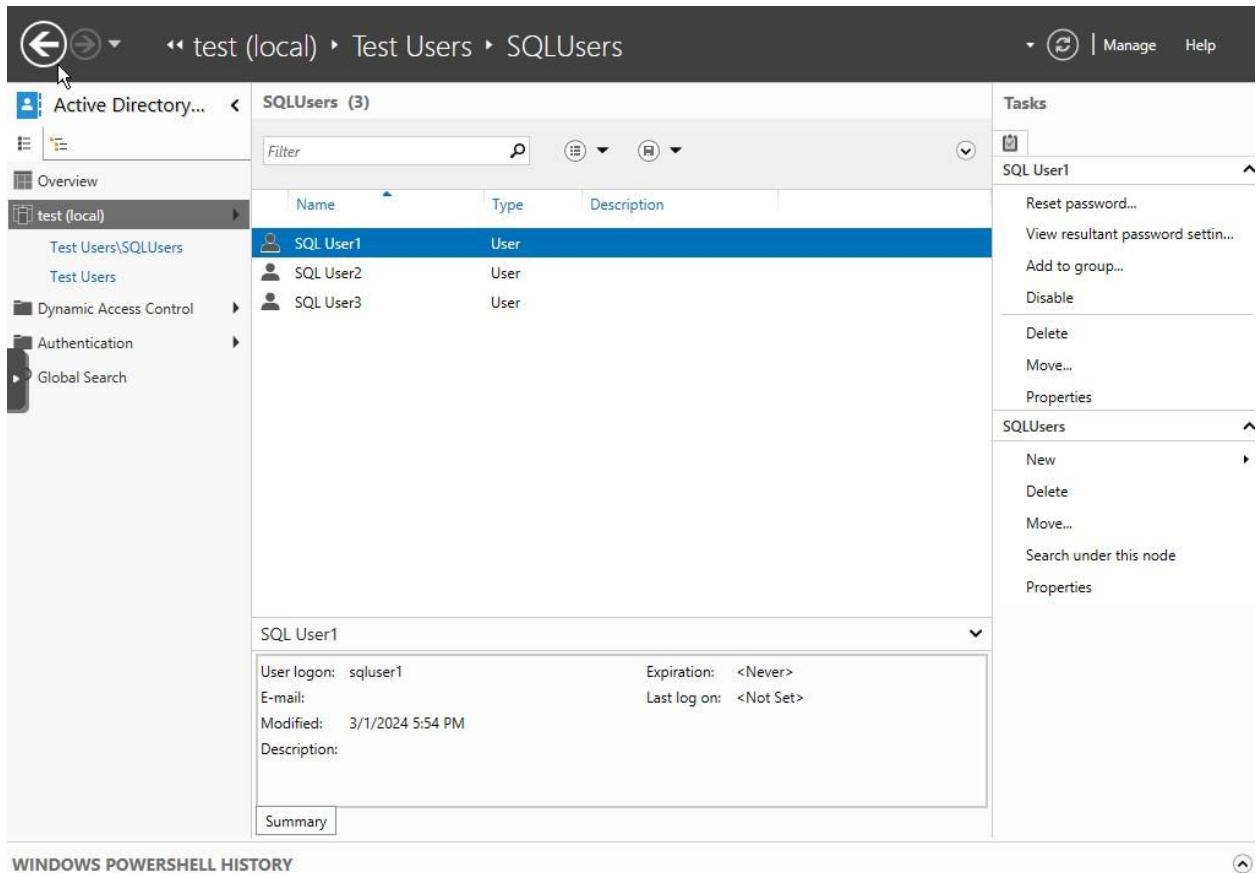
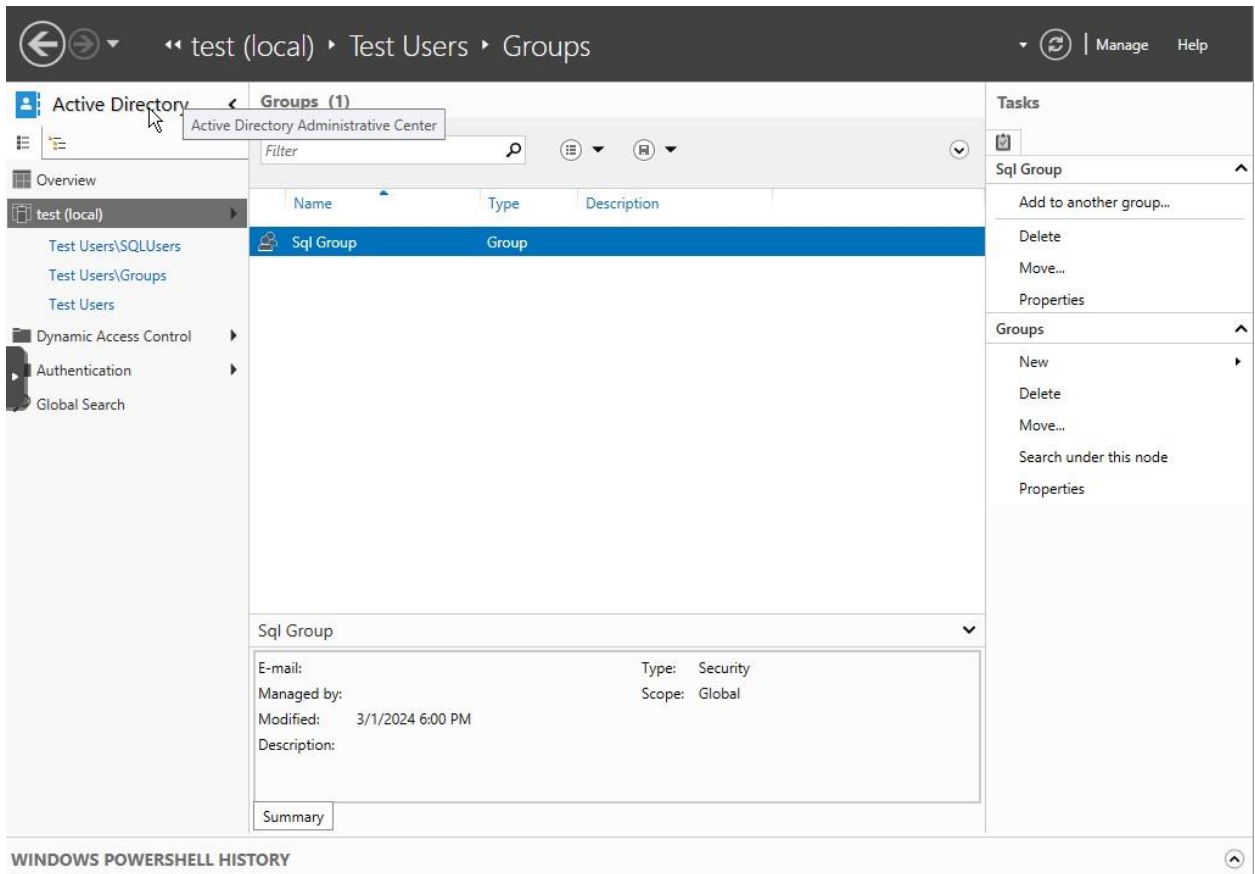


## Homework 4 – Active Directory and Group Policy Objects

- **(Task 1)** Show in a screenshot that the three domain users (sqluser1, sqluser2, sqluser3) are created in **SQLUsers** OU. Also show in a screenshot that **sqlgroup** is created in the **Groups** OU.





- (**Task 2**) Go to sqluser1 properties and show in a screenshot that sqluser1 is a member of **Domain Admins** and **sqlgroup**.

SQL User1

TASKS ▾ SECTIONS ▾

Account  
Organization  
Member Of  
Password Settings  
Profile  
Policy  
Silo  
Extensions

E-mail:   
Web page:   
Other web pages...  
Phone numbers:  
Main:   
Home:   
Mobile:   
Fax:   
Pager:   
IP Phone:   
Other phone numbers...  
Description:

Company:   
Manager:  Edit... Clear  
Direct reports:  Add... Remove  
Address:  
Street:   
City:  State/Province:  Zip/Postal code:   
Country/Region:

Member Of

Filter  🔍

Name	Active Director...	Primary
Domain Admins	test-Users-Do...	
Domain Users	test-Users-Do...	✓
Sql Group	test-Test Users...	

Add...  
Remove  
Set Primary Group

Directly Associated Password Settings

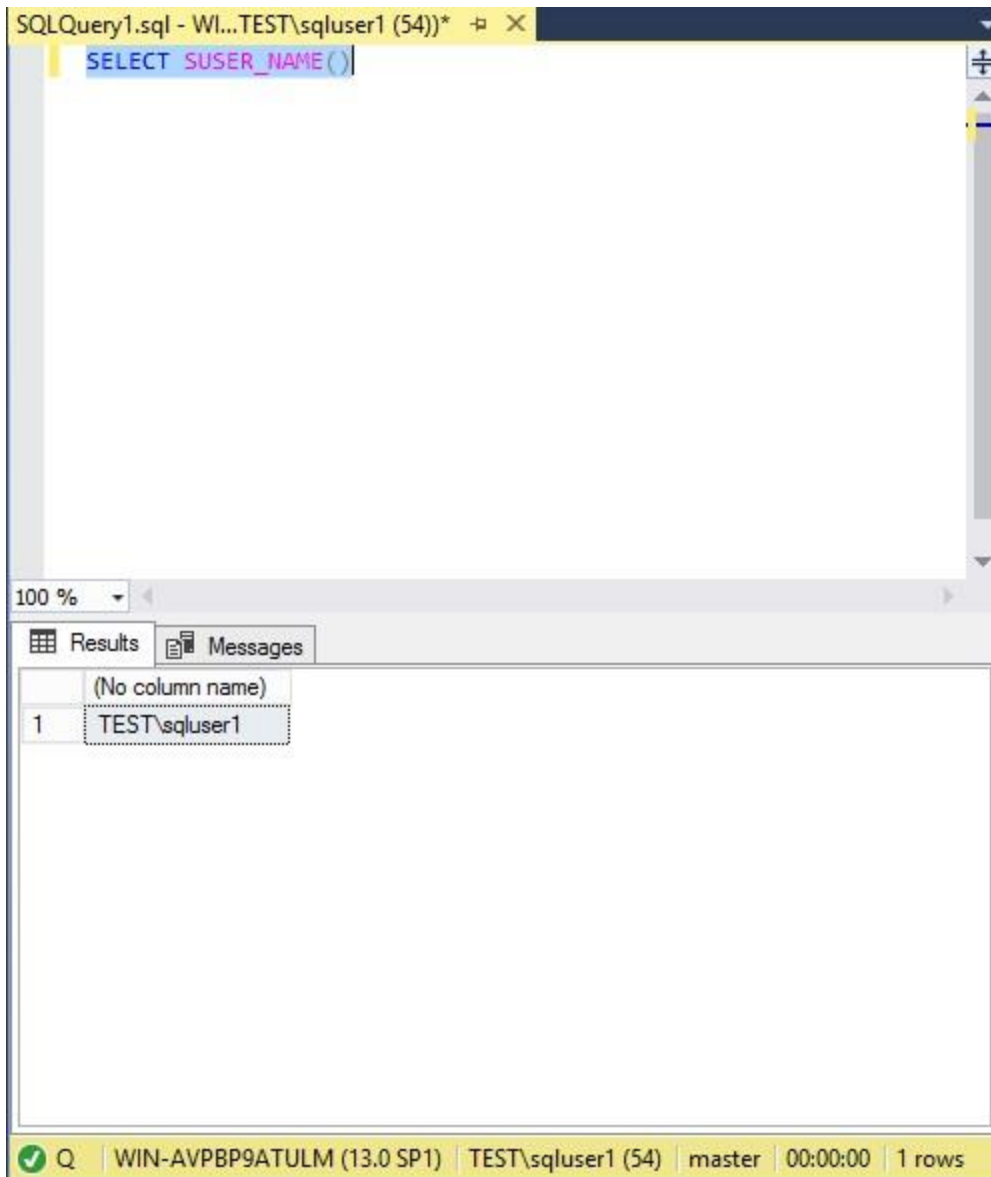
Name	Precedence
------	------------

Assign...

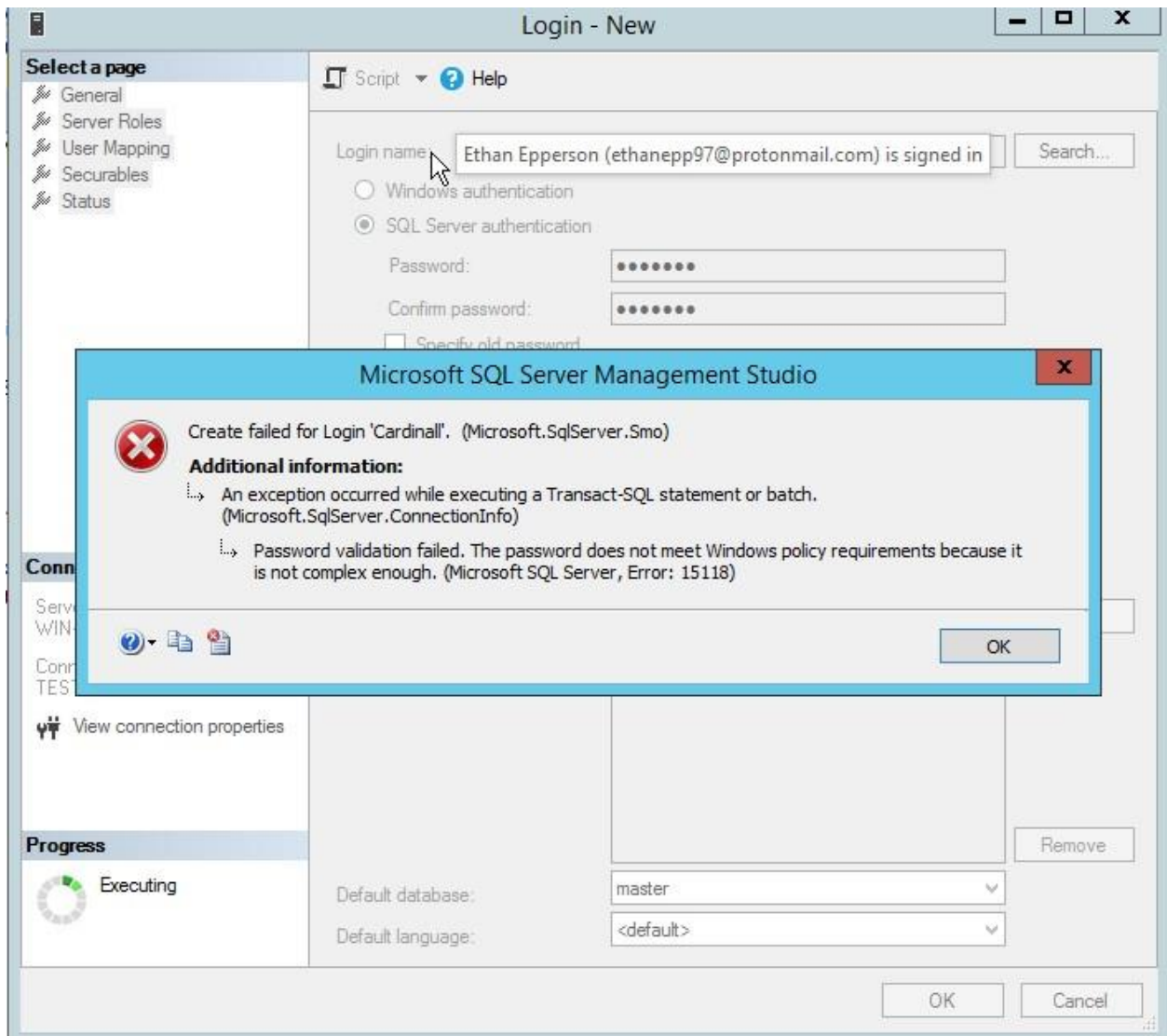
More Information

OK Cancel

- **(Task 3)** Run the following query on SQL Server and show in a screenshot that you indeed logged-on with sqluser1.

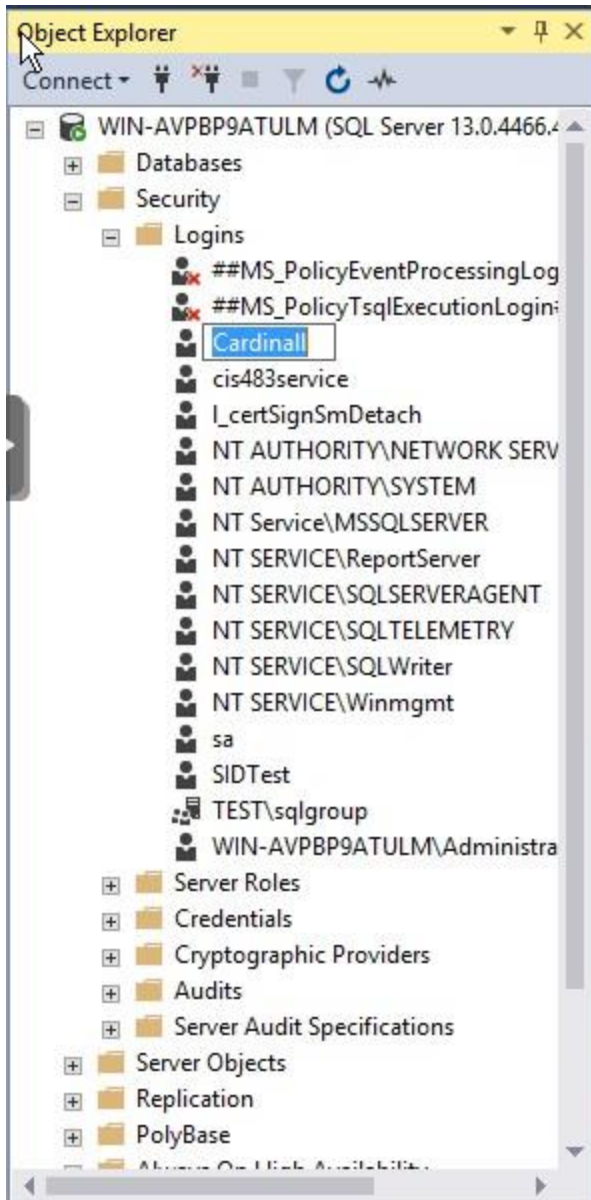


- (**Task 4**) Logon to SQL Server. Create a login “**Cardinal1**”. Select **SQL Server authentication**. Enter the password “1234567”, and show in a screenshot that the login cannot be created. Explain why?



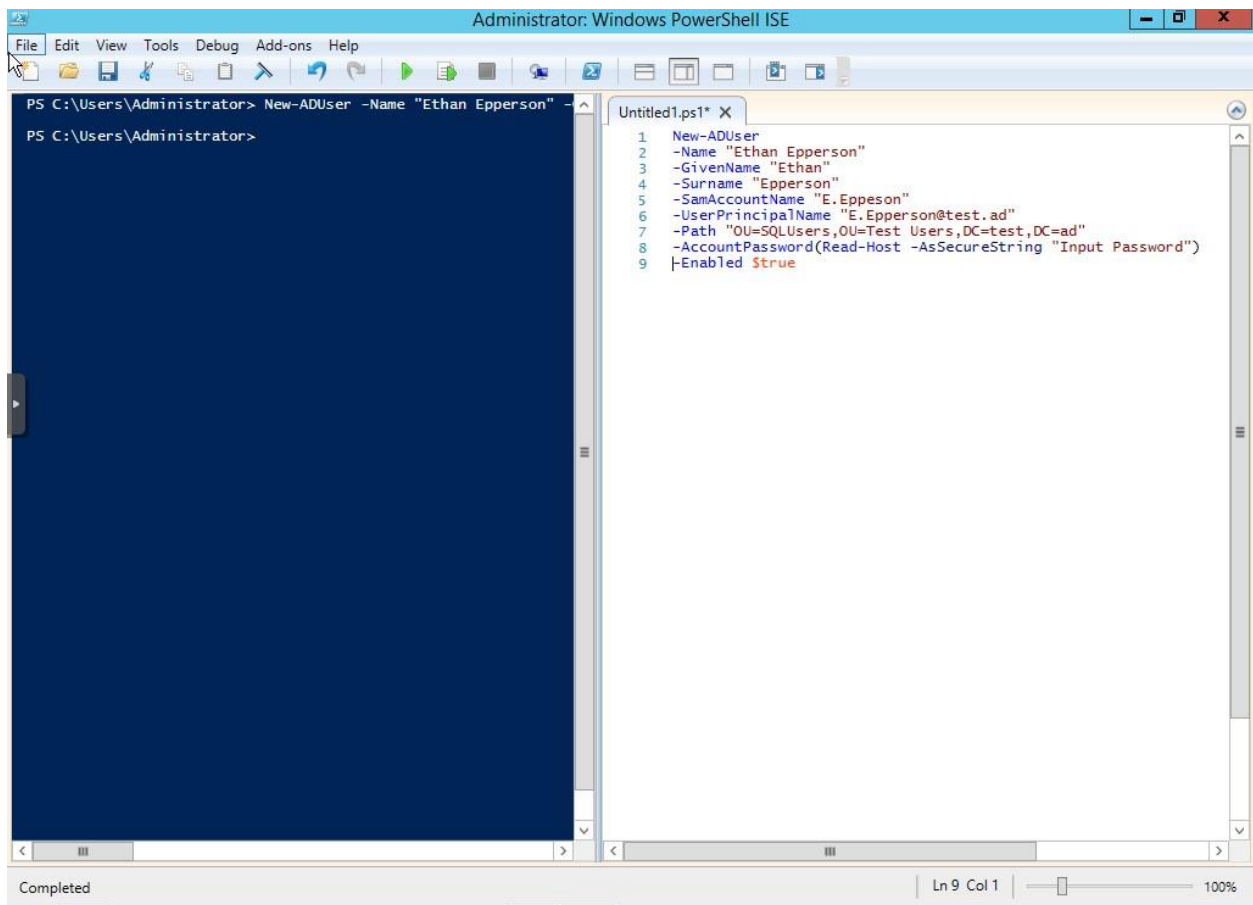
The login was not created because the password policy within the GPO specifies a certain level of complexity for passwords that ours did not meet.

- **(Task 5)** Create a login “**Cardinal1**”. Select **SQL Server authentication**. Enter the password “1234567”, and show in a screenshot that the login is created. Explain why this was possible. Explain also the relationship between the GPO and the SQL Server password policy.



The relationship between the GPO and the SQL Server Password Policy is that GPOs can be used to enforce security policies, including the SQL Server password policy, across an organization's Windows-based infrastructure.

- (Task 6) Create a new AD account using the command **New-ADUser** explained on pp 12-13. Show in a screenshot that the account is indeed created (example below). Also, attach a screenshot that displays the PowerShell execution.



Active Directory Administrative Center

test (local) > Test Users > SQLUsers

ManageHelp

Active Directory...

SQLUsers (4)

Filter

NameTypeDescription

Ethan EppersonUser

SQL User1User

SQL User2User

SQL User3User

Ethan Epperson

User logon: E.EppesonExpiration: <Never>

E-mail:Last log on: <Not Set>

Modified: 3/1/2024 6:58 PM

Description:

Summary

Tasks

Ethan Epperson

Reset password...

View resultant password settin...

Add to group...

Disable

Delete

Move...

Properties

SQLUsers

New

Delete

Move...

Search under this node

Properties

WINDOWS POWERSHELL HISTORY