## **Homework #5: Active Directory and Group Policy Objects**

- This is an individual assignment, and is worth 20 points.
- The due date is Monday, March 8, 2021.
- You need to provide your answers to the "Homework #5 Tasks.docx" file. Change the file name following the naming convention suggested below.
- Naming convention is as follows: homework, underscore, last name, first initial, and extension (e.g., Homework #5\_ImG.docx).
- If you do not zoom in your screenshots, I will penalize you.
- (<u>Task 1</u>) 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.

Active Directory	<	SQLUsers (3)			Tasks	
= =		Filter	Q	(≡) ▼ ⊙		
Overview				0 0	SQL User1	^ ^
test (local)	Þ	Name	Туре	Description	Reset password	
Test Users\SOLUsers		SQL User1	User		View resultant password se	
Test Users		SQL User2	User		Add to group	
Dynamic Access Control	•	SQL User3	User		Disable	
Authentication	•	< 111		>	Delete	_
Global Search		SQL User1		~	Move	=
Clobal Search		User logon: sqluser1	Expiration:	<never></never>	Properties	
Active Directory	<	Groups (1)			Tasks	
E E		Filter	Q	· · ·	¢	
Overview		7 4467	~	0	SQL Group	^
📄 test (local)	Þ	Name	Туре	Description	Add to another group	
Test Users\SQLUsers		🗳 SQL Group	Group		Delete	
Test Users					Move	
Dynamic Access Control	۲			-	Properties	

• (<u>Task 2</u>) Go to sqluser1 properties and show in a screenshot that sqluser1 is a member of **Domain** Admins and sqlgroup.

SQL User1			TASKS <b>v</b> SECTIONS <b>v</b>
Account	Member Of		?⊗⊙
Organization			
Member Of	Filter	Q	Add
Password Settings	Name	Active Director Primary	Remove
Profile	Domain Admins	test-Users-Do	Set Primary Group
Policy	Domain Users	test-Users-Do 🗸	
Silo	SQL Group	test-Test Users	v
Extensions	Directly Associate	d Password Settings	?⊗⊗
	· ·		

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

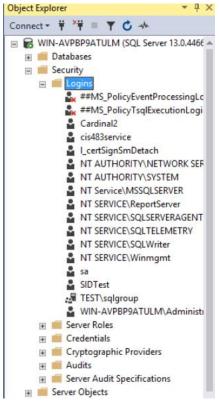
9	‰ - ∢		
	Results	B	Messages
	(No co	lumn	name)
	TEST		ser1

• (<u>Task 4</u>) Logon to SQL Server. Create a login "Cardinal1". Select SQL Server authentication. Enter the password "1234567", and show in a screenshot that the login <u>cannot</u> be created. Explain why?

It cannot be created because it does not meet the password complexity requirements.

Microsoft SQL Server Management Studio	x
Create failed for Login 'Cardinal 1'. (Microsoft.SqlServer.Smo) Additional information: An exception occurred while executing a Transact-SQL statement or batch. (Microsoft.SqlServer.ConnectionInfo)	
Password validation failed. The password does not meet Windows policy require is not complex enough. (Microsoft SQL Server, Error: 15118)	ements because it
0- B S	OK

• (<u>Task 5</u>) 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.



• (<u>Task 6</u>) 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.

E · · · Test	Users • SQLUsers		
	Users - SQLUSERS		🔹 🇭   Manage Help
Active Directory <	SQLUsers (4)		Tasks
E 'E	Filter	<b>ب</b> ال	<ul><li>☑</li></ul>
Overview			Marvin Weaver (Disabled)
📋 test (local)	Name	Type Des	
Test Users\SQLUsers	🔏 Marvin Weaver	User	View resultant password se
Test Users\Groups	L SQL User1	User	a Add to group
Test Users	SQL User2	User	Enable
Dynamic Access Control	< III		> Delete
Authentication	Marvin Weaver (Disabled)		✓ Move
Global Search	User logon: M.Weaver	Expiration: <never< td=""><td>r&gt; Properties</td></never<>	r> Properties
	E-mail:	Last log on: <not s<="" td=""><td>Set&gt; SQLUsers ^</td></not>	Set> SQLUsers ^
	Modified: 3/8/2021 7:27 PI		New 🕨
	Description:		Delete
			Move
	Summary		Search under this node
WINDOWS POWERSHELL HIS	TORY		6

PS C:\Users\Administrator> New-ADUser -Name "Marvin Weaver" -GivenName "Marvin" -Surname "Weaver" -SamAccountName "M.W ver" -UserPrincipalName "M.Weaver@test.ad" -Path "OU=SQLUsers,OU=Test Users,DC=test,DC=ad" PS C:\Users\Administrator>