# Homework #5: Active Directory and Group Policy Objects

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| * This is an individual assignment and is worth 20 points. * The due date and time is Wednesday, March 9, 2021 at 2:30 (sec01) / 5:30 (sec 75). * Use the attached task file and follow the usual naming convention. * Zoom in your screenshots to avoid a penalty. |

* (**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.

A screenshot of a computer

Description automatically generated

A picture containing text, screenshot, monitor

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

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

Graphical user interface, application, Word

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* (**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?

Graphical user interface, text, application

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It failed to register the new user because it failed to meet the complex password policy. The password *1234567* does not meet the policy’s standards.

* (**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.

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User *Cardinal2* is able to be created with the password *1234567* because the complex password requirement for new logins has been disabled. The GPO policy governs how the system will look like and how users, part of the group, behave. In this case, the password policy is part of the GPO and pertains to the users created with sql server authentication.

* (**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.

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