

Data Analytics job - access requirements

Last updated by | Ranjith Katukojwala | Mar 7, 2023 at 11:35 AM PST

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Issue

Scope or USQL activity fails with a message similar to this:

"errorId": "E_USER_STORE_ALGEBRASAVINGUSERERROR",

"message": "Failed to save job algebra due to user error",

"details": "Failed to save job algebra due to user error, details: Either the resource does not exist or the current user is not authorized to perform the requested operation Cosmos Path: adl://azeodyhdchuddlsdev01.azuredatalakestore.net/system/jobservice/jobs/Usql/2023/01/09/13/02/d8c11b6e-7d08-4b64-8630-3d2b20d89d66/algebra.xml.fcde40dc-3801-431d-aff6-17be749093c8.tmp",

Resolution

The issue is that the service principal that is being used has not been given read/write access to the **system** folder on the ADLA resource being used.

In order to execute a job in ADLA the service principal needs to have the following:

1. Belong to the Data Lake Analytics Developer role (this allows jobs to be submitted)
2. Have Read/Write access to the local and system folders for the given ADLA instance (these are ADLS storage locations)
3. If "shared" data is being used - the sharing ADLS source needs to give the service principal access as well.

This process is best implemented by using a security group and adding the service principal to that SG.

Additional Information:

- **Icm References:** None
- **Author:** dfandel
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- **Keywords:**

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