

[Snowflake] - SQL access control error: Insufficient privileges to operate on schema

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

Issue

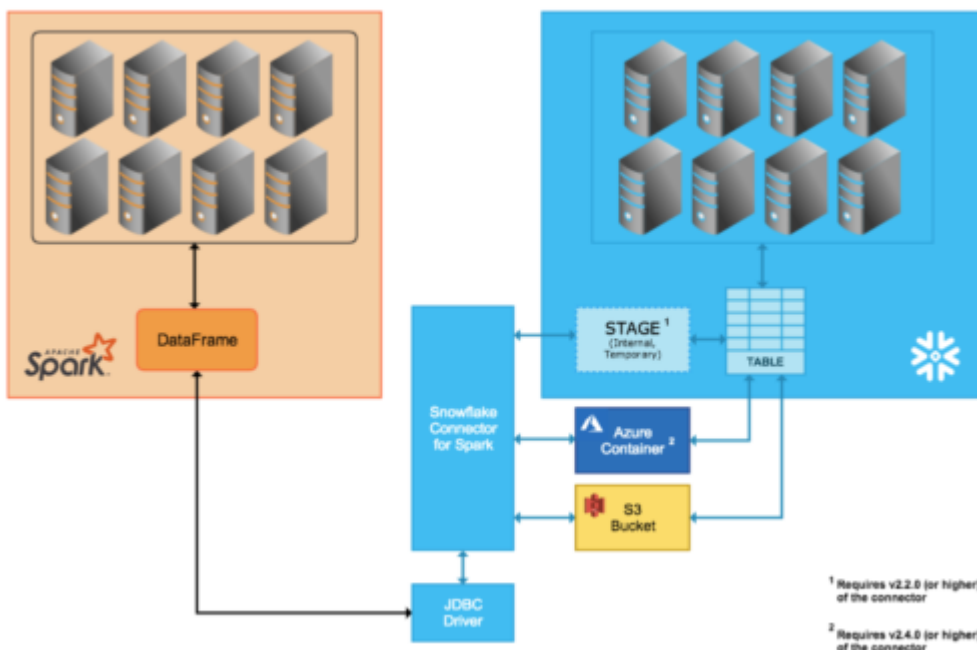
When customer try to have "import projection", "data preview"... on dataflow snowflake source, he meets error like "net.snowflake.client.jdbc.SnowflakeSQLException: SQL access control error: Insufficient privileges to operate on schema"


Root Cause

Customer error with wrong configuration.

Resolution

When we use dataflow to read snowflake data, the runtime ADB (AzureDataBricks) is not straight forward select query to Snowflake. Instead, there will be temporary stage created and data pulled from table to stage and then compressed and pulled by ADB.



So the user/role used in ADB should have necessary permission to do this in Snowflake. Usually the user/role will not have this permission since this is DB created on the share. This is the causing issue, the workaround could be create different DB and create views top of the shared DB to access it from ADB. For details, please reference <https://community.snowflake.com/s/question/0D50Z000095ktE4SAI/insufficient-privileges-to-operate-on-schema> 

Additional Information:

- Icm Reference: N/A
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- Keywords: