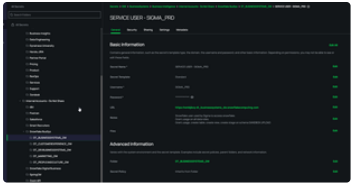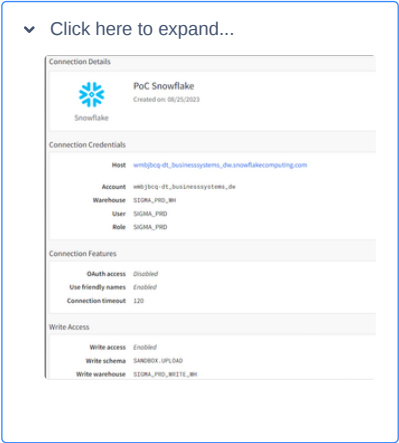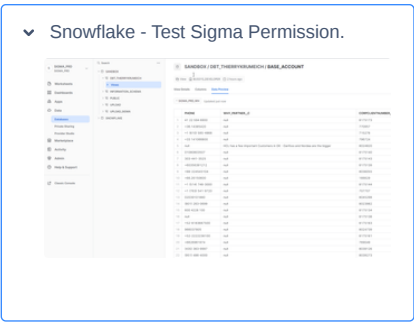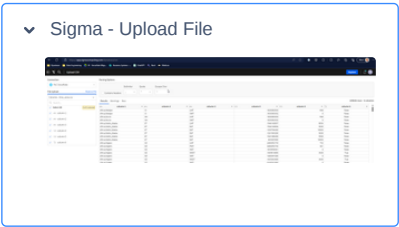# Create Snowflake Connector

> ℹ️ By design, the schema (UPLOAD_SIGMA) used to upload data from Sigma, and all objects existing in this schema, either created by Sigma or any other Snowflake roles, will be hidden from Sigma user interface.
> A second schema (UPLOAD) is available to upload data directly from Snowsight. This schema (UPLOAD) and all objects created in it are visible in Sigma user interface.

Scope	Step	Comment	Sigma	Others
Secret	1	In **Secret Server**, create a secret to store the new Snowflake service account **user** and generate the password. The naming convention is: • SIGMA_<ENV> i.e SIGMA_PRD. ⚠️ Ensure that the folder and secret has the proper sharing security (i.e. inheritance)		Secret Server
Permission	1	In Snowflake, create the role, user and warehouse(s) assigned to Sigma. • role: SIGMA_<ENV> i.e SIGMA_PRD. • user: SIGMA_<ENV> i.e SIGMA_PRD. • warehouse: SIGMA_<ENV>_WH i.e. SIGMA_PRD_WH if write access: • mat warehouse: SIGMA_<ENV>_WRITE_WH i.e. SIGMA_PRD_WRITE_WH		``` 1 begin; 2 use role BUSSYS_OPERATION_ROl 3 create role if not exists SIC 4 grant role SIGMA_<ENV> to rol 5 create user if not exists SIC 6 grant role SIGMA_<ENV> to use 7 alter user SIGMA_<ENV> set bi 8 create warehouse if not exist 9 create warehouse if not exist 10 grant usage, operate on wareh 11 grant usage, operate on wareh 12 grant usage on database SANDE 13 grant usage, create table, ci 14 grant role SANDBOX_ALL to rol 15 commit; 16 show grants to role SIGMA_<ENV>; ```

		Then grant permission to the role following Sigma guide. Follow this guide to troubleshoot connector.		
	2	Share the following information with Sigma Admin: • Account: wmbjbcq-<account_name>.snowflakecomputing.com • Warehouse: SIGMA_<ENV>_WH • User: SIGMA_<ENV> • Password: created in Secret, Step 1 • Role: SIGMA_<ENV> If the connector will be used for write access: • Write Database: SANDBOX • Write Schema: UPLOAD_SIGMA • Materialization Warehouse: SIGMA_<ENV>_WRITE_WH		
Connector	1	Create the connection with the information from Permission - Step 2	⌄ Click here to expand... 	
	2	Test SIGMA PRD connector - Snowflake User and Role Snowflake : `SUCCESS`		Log into DT_BUSINESSSYSTEMS_DW Snowflake account using the Sigma service user and password (credentials in Secret Server). Verify you can access the database (SANDBOX), schema (UPLOAD_SIGMA), schema UPLOAD and tables / views if exists.

					Snowflake - Test Sigma Permission.

| | 3 | Test SIGMA PRD connector - Write Data - Read uploaded data in Snowflake

Sigma Write: SUCCESS | Log into Sigma, Select Create New > Upload CSV > Select Connection PoC Snowflake > Drag and Drop a File > Click Explore > Click Save As (provide a name and select a destination).

Verify data in Snowflake.

Sigma - Upload File
 | Log into DT_BUSINESSSYSTEMS_DW Snowflake account using the service user and password in Secret Server or a user with SANDBOX_ALL data role.

Verify you can read the uploaded data.

Snowflake - Uploaded Data
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