Case Study- DE (Python)

Pre- Requestics:- Log-in to Snowflake Trial Account

Here are the step-by-step instructions to create a **Snowflake Trial Account**:

✓ Step 1: Go to Snowflake Trial Page

Visit: https://signup.snowflake.com/

▼ Step 2: Fill in Basic Information

You'll see a form with the following fields:

- First Name
- Last Name
- Business Email (Use a valid email; required for activation)
- Company Name
- Country
- Phone Number (optional)

Click Continue or Get Started.

Step 3: Choose a Cloud Provider & Region

Select:

- Cloud Provider: AWS, Azure, or Google Cloud (Choose AWS)
- Region: Pick the closest region to your location for best performance

⚠ Choose this carefully — it cannot be changed later.

Step 4: Account Creation & Confirmation

- You'll receive an email from Snowflake to verify your email.
- Click the link in the email to activate your trial.

✓ Step 5: Set Up Your Account

You'll be prompted to:

- Create a username
- Set a password
- Agree to terms

You will then be redirected to the **Snowflake Web UI (Snowsight)**.

CASE STUDY:-

Create a Configuration Page of Extraction Framework and in the Configuration Page you can do following task:

The **Configuration Page** allows users to perform the following tasks:

1. Select Source

 A dropdown menu to select the data source, with options including **Tables** and **Views**.

2. Select or Create Configuration

 A dropdown to choose an existing configuration, filtered based on the selected source. Option to create a new configuration if needed.

3. Global Extract Filters

- A button labeled "Add Filter" opens an expander.
- Inside the expander:
 - Filter Type: Options include WHERE, IN, and BETWEEN.
 - **Column**: Dropdown displaying all column names from the selected source.
 - Condition: Dropdown with operators =, <, >, <=, >=, !=, and LIKE.
 - Case Sensitivity: A select box for case-sensitive matching (only for string values).
 - Combine with next filter: Option to combine using AND / OR logic.

4. Attribute (Rules Engine)

- Supports CASE-WHEN conditions to define custom rules.
- A "Load Existing Rule" dropdown will auto-populate rules associated with the selected configuration.

5. Preview SQL Results

 Clicking the "Preview SQL Results" button will show a data preview based on the applied filters and rules.

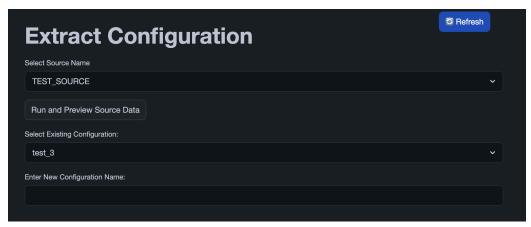
6. Save Configuration

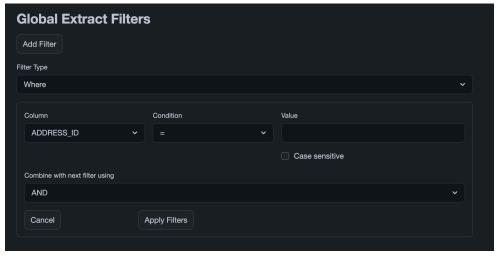
 Clicking the "Save Configuration" button saves the setup as a view in a database table. If a new rule is added to an existing configuration, it will be saved as a **new version**.

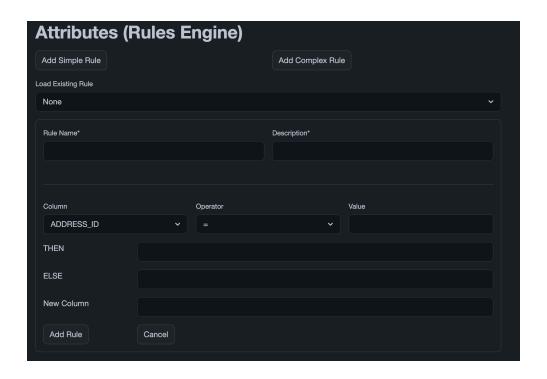
7. Load Existing Configuration

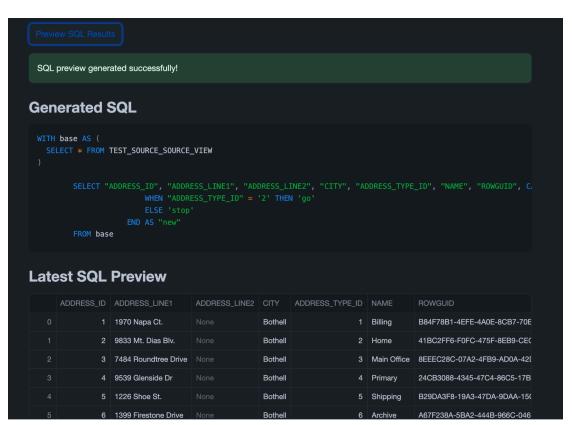
- When an existing configuration is selected:
 - The latest version is loaded.
 - All associated filters and rules are auto-populated.

Below are some screenshot what it should look like:









View TEST_3_V2 created successfully.	
Configuration version 2 saved with view: TEST_3_V2	
Configuration saved successfully!	