SQLFlow - A tool that tracks column-level data lineage

Track Column-Level Data Lineage for more than 20 major databases including Snowflake, Hive, Spark-SQL, Teradata, Oracle, SQL Server, AWS redshift, BigQuery, etc.

Build and visualize lineage from SQL script from query history, ETL script, Github/Bitbucket, Local filesystem and remote databases.

Exploring lineage using an interactive diagram or programmatically using Restful APIs or SDKs.

Discover data lineage in this query:

```
1  insert into emp (id,first_name,last_name,city,postal_code,ph)
2    select a.id,a.first_name,a.last_name,a.city,a.postal_code,b.ph
3    from emp_addr a
4    inner join emp_ph b on a.id = b.id;
```

SQLFlow presents a nice clean graph to you that tells where the data came from, what transformations it underwent along the way, and what other data items are derived from this data value.
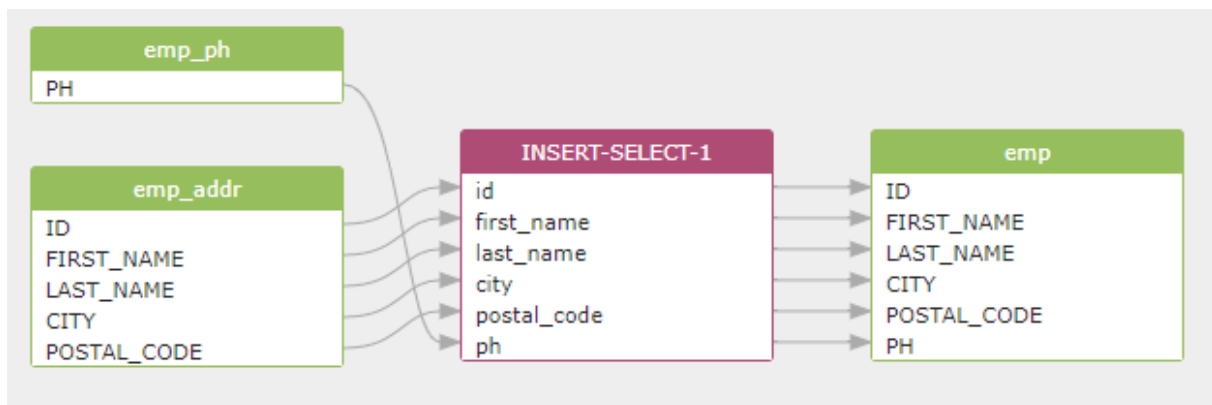
What SQLFlow can do for you

- Scan your database and discover the data lineage instantly.
- Automatically collect SQL script from github/bitbucket or local file system.
- Provide a nice cleam diagram to the end-user to understand the data lineage quickly.
- programmatically using Restful APIs or SDKs to get lineage in CSV, JSON, Graphml format.
- Incorporate the lineage metadata decoded from the complex SQL script into your own metadata database for further processing.
- Visualize the metadata already existing in your database to release the power of data.
- Perform impact analysis and root-cause analysis by tracing lineage backwards or forwards with several mouse click.
- Able to process SQL script from more than 20 major database vendors.

How to use SQLFlow

- Open the official website of the SQLFlow and paste your SQL script or metadata to get a nice clean lineage diagram.
- Call the Restful API of the SQLFlow in your own code to get data lineage metadata decoded by the SQLFlow from the SQL script.
- The on-premise version of SQLflow enables you to use it on your own server to keep the data safer.

Restful APIs

- SQLFlow API document
- Client in C#

SQLFlow architecture

- Architecture document

User manual and FAQ

- User guide
- SQLFlow FAQ