Project Documentation: Oracle to MSSQL Data Transfer Pipeline

Project Overview:

This document provides comprehensive instructions for setting up Mage, configuring the Oracle to MSSQL Data Transfer Pipeline, and running the pipeline to migrate data from an Oracle database to a Microsoft SQL Server (MSSQL) database. It covers the installation steps for Mage, the pipeline setup, and the execution process.

1. Setting Up Mage:

1.1. Open the terminal and execute the following command:

```bash

git clone https://github.com/mage-ai/compose-quickstart.git mage-quickstart \&& cd mage-quickstart \&& cp dev.env .env && rm dev.env \

&& docker compose up

```

1.2. After the server starts running, navigate to http://localhost:6790/pipelines?\_limit=30&tab=all.

Double click "active" or "inactive" of oracle\_to\_sql section in etl-demo>Pipelines.

2. Setting Up the Oracle to MSSQL Data Transfer Pipeline:

2.1. Pipeline Name: oracle\_to\_sql

2.2. Pipeline Components:

- `load\_oracle`: Data loader component responsible for loading data from the Oracle database.

- `oracle\_data\_exporter`: Data exporter component for exporting the loaded data to the MSSQL database.

2.3. Update io\_config.yaml file with MSSQL Server Credentials:

```io\_config.yaml

# Ms\_SQL

MSSQL\_DATABASE: sqldb

MSSQL\_SCHEMA: fms\_csv

MSSQL\_DRIVER: ODBC Driver 18 for SQL Server

MSSQL\_HOST: 194.233.68.79

MSSQL\_PASSWORD: root123123$

MSSQL\_PORT: 1433

MSSQL\_USER: SA

```

2.4. Migrating the any data from oracle to your mssql database.

- Open the `load\_oracle` data loader component.

- Locate the `owner\_name` variable and update it with the desired owner of the table to be moved.

3. Running the Pipeline:

3.1. Load Data from Oracle:

- Run the `load\_oracle` data loader to load data from the Oracle database.

3.2. Export Data to MSSQL:

- Run the `oracle\_data\_exporter` component to export the loaded data to the MSSQL database.

>http://localhost:6790/pipelines?\_limit=30&tab=all