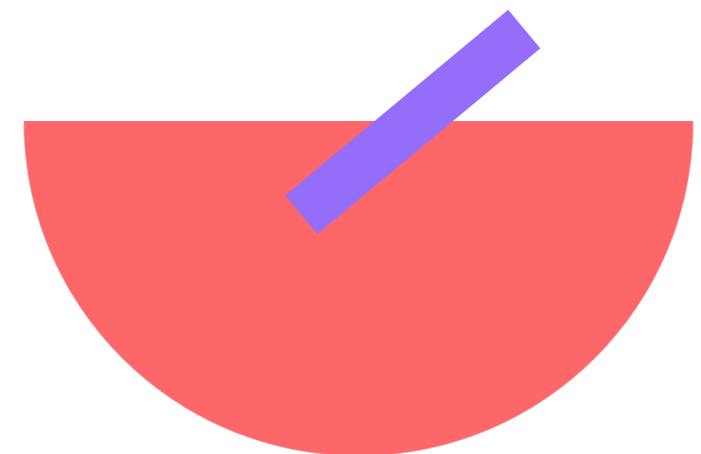




Lumenore Data Integration

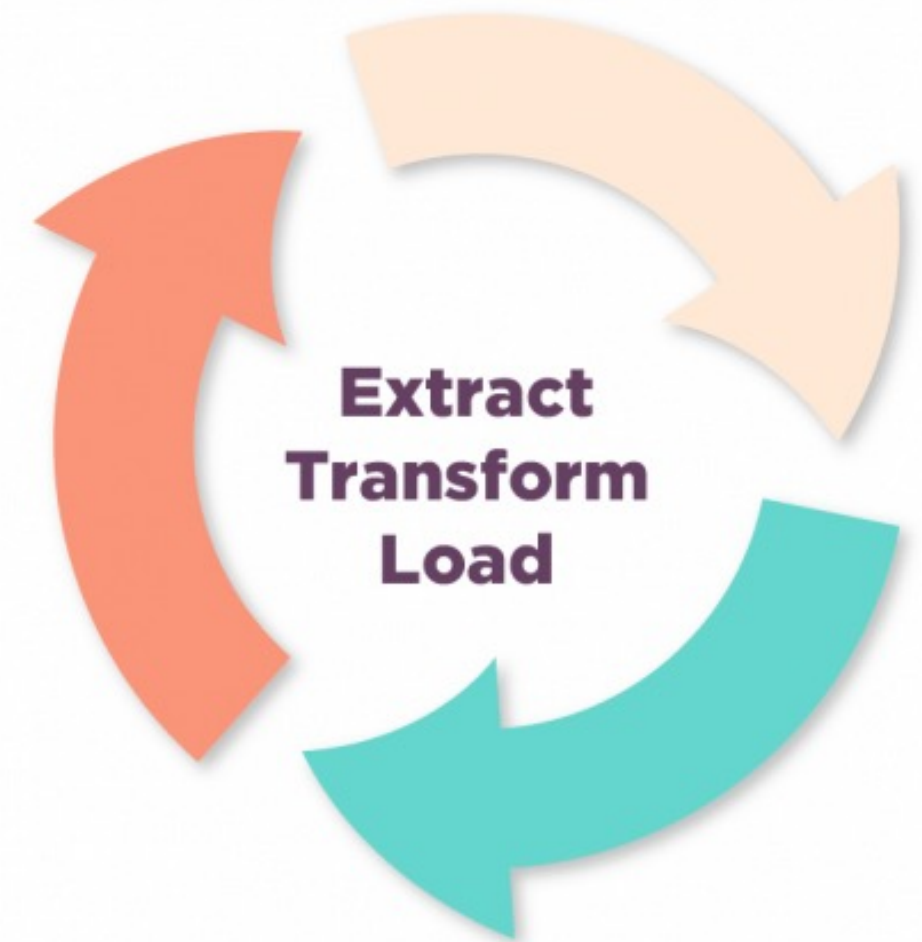


Introduction

Lumenore's Data Integration is a Graphical user interface (GUI) based module that facilitates data integration by enabling users to extract data from various source systems, transform it, and deliver it in a presentable way.

The available features of the Data Integration are as follows:






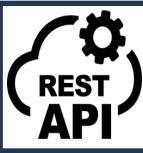
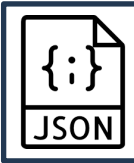




- **Data extraction:** This involves extracting data from homogeneous or heterogeneous sources.
- **Data transformation:** This stage involves cleaning and transforming data in proper storage format/structure for querying and analysis.
- **Data loading:** This stage describes the insertion of data into the final target database such as an operational data store, a data mart, a data lake, or a data warehouse.



Lumenore Data Integration - Extraction

Extract Data From :

- RDBMS (MySQL, Oracle etc)
- Cloud Storage - S3, G- Drive, OneDrive, ADLS
- Streaming Data from KAFKA, Spark streaming
- Rest API
- Excel (.xlsx, .xls, .xlsm)
- Text Files & CSV, PSV, TSV Files
- XML Files
- JSON Files

 Databases	 Get File Names	 CSV File Input
 Table Input	 XML Input	 Generate Rows
 Rest API	 JSON Files	 Text File Input
 Fixed File Input	 Excel Input	 Streaming Data



More..

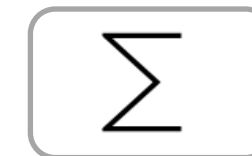
Lumenore Data Integration - Transformation

Flexibly Transform Data :

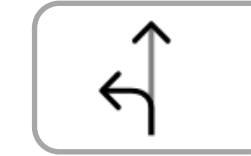
- Expression Editor
- Scripting
- JavaScript, SQL, RegExp
- Splitting & Joining
- Mapping
- Selecting, Filtering & Sorting
- Aggregation
- Pivoting
- Transpose
- Table Migration



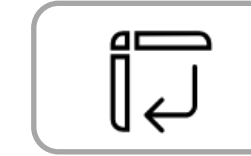
Abort



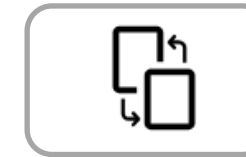
Aggregator



Column Split



Data Pivot



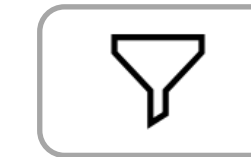
Data Transpose



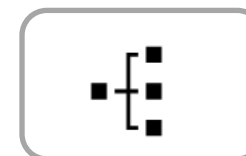
Data Unpivot



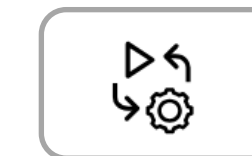
Editor



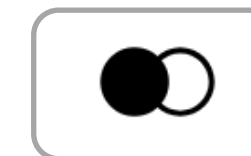
Filter



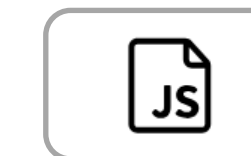
Graph



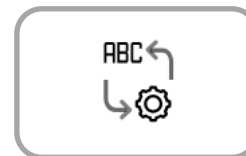
Job Executor



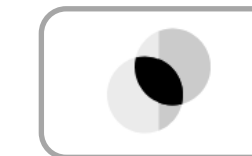
Joiner



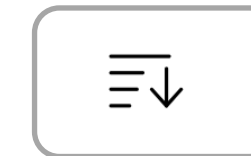
JavaScript Executor



String Operations



Union



Sort

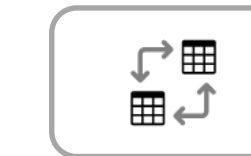
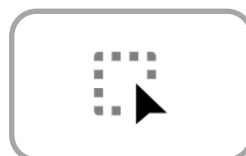
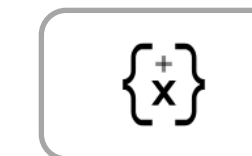


Table Migration



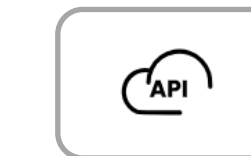
Selector



Set Variable



Remove Duplicates



Rest API

Lumenore Data Integration - Loading

Load Data into a Target Format

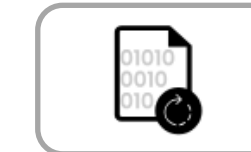
- Database Load
- Data Warehouse Population
- Partitioned Loading
- Bulk Loading
- Cloud Loading
- Encrypted Loading

Data Load Strategies

- SCD Load type 1
- Incremental Loading



Dim Load



Encrypt Load



Lumenore Dataset



Lumenore Data Loader



Table Output



Target File



Vertica Bulk Loader



Generic Bulk Loader



Thank you



Projects

Datalayer_Demo

Search

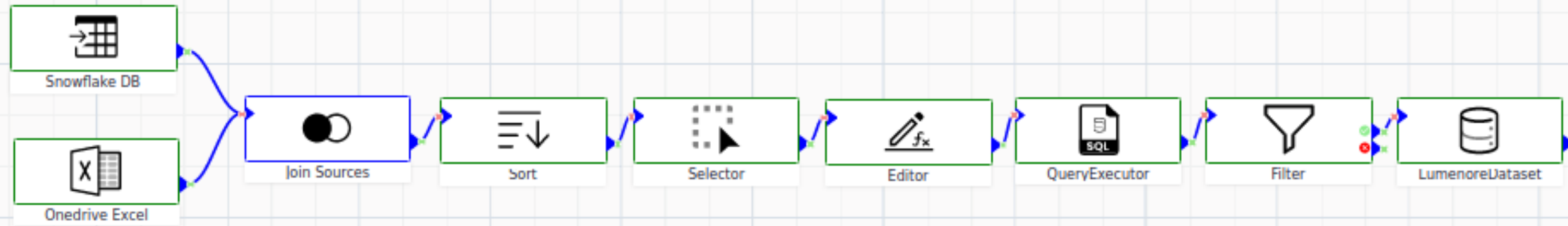
Source

Target

Transformation

Demo-Pipeline +

My Workspace



- Play button
- Envelope icon
- Save icon
- Trash icon
- Wrench icon
- Clipboard icon
- Gear icon

Preview Data

Logs



