

ETL Validator v3.4.6

New Features

Themes

- Core Functionality
- More Data Sources
- User Experience
- ETL Validator Web
- Performance
- Administration

Core Functionality – Pick Lists

- Pick Lists are encoded values (LOVs) that can be used to validate data quality using data rules.
- Example: Gender columns is supposed to have the list of values 'Male' and 'Female'. However, the actual data has 'M', 'F', 'Other' values. Using the Data Rules test plan, a rule can be defined to verify that the data in the 'Gender' column conforms to the encoded list of values.

Core Functionality – Visual Data Model

- A new menu item called 'Data Model' has been added where users can define data model diagrams for a given data source and define foreign key relations visually
- Data Profiling capability has also been added so that users can capture the profile of their data before defining data rules.

Core Functionality – Checksum Test Case

- Checksum test case can be used to compare key metrics across the source and target while allowing for a percentage variation.
- Example: The “Sales by Country” metric should ideally match between the transaction system and the data warehouse. However, the metric can be slightly off because of the changes in the transaction system. Checksum test case can be used to validate that the metric matches with an allowed variation of <1%.

Core Functionality – New Test Plans

- XML Compare Test Plan:
Can be used to compare two sets of XML files that conform to the same XSD. Example: Comparing the latest set of XML files with the baseline version of the files.
- Web Service Test Plan:
Can be used to extract data from SOAP requests and save them as relational tables in the workschema. This data can then be compared with other data sources. Example: Compare data in Workday or Salesforce with that of a relational data source.

New Data Sources

- Snowflake
- Support for MapR Hive
- Amazon Redshift
- SOAP Connection
- Several enhancements to XML Data Source
- Manage Data Sources : Ability to modify connection metadata and data type mapping directly from a web interface.

User Experience

- New improved Home Page and menu
- Auto-detection of data types in a Flat File
- Ability to provide repository connection using an export file
- Improved Query Compare and Component test case 'Differences' view
- Column level and row level analysis of differences in Query Compare test case
- Ability to run DB Component in the Design step of the Component test case

User Experience

- Mark as favorite for test folder, connections, test suite
- Ability to pick an environment when running Data Compare test plan
- Support for a special parameter called 'p_limit' which can be used during test case creation for limiting the number of rows queried
- Ability to avoid running of Count queries during test case execution for a data source
- Improved test case run messages indicating the number of tests failed

ETL Validator Web

- New styling for the ETL Validator Web
- Trend report showing a bar chart of the results in Query Compare test case
- Manage Data Sources

Performance

- Login Performance improvements for ETL Validator Client
- Data load performance improvements for PostgreSQL using the COPY command.

Administration

- New license file format along with a screen that displays the number of licensed users
- Ability to schedule 'Purge' of test case result and benchmark table data
- Ability to define new data source specific data rules
- Capability to define 'Environments' and map data sources to them.