

Name of Solution:

Informatica PowerCenter File Compare

Business Requirement:

Metadata-driven file comparison utility that automates regression testing of delimited flat files and significantly reduces the testing/comparison effort involved.

Solution URL:

https://community.informatica.com/solutions/2682

Supported Versions:

PowerCenter 8.6

Description:

Flat files are a popular mode of transferring data. At times there is a need to compare flat files generated in Data Warehousing / Data Integration environments (to determine the impact, if any, of a code change / enhancement / etc.), especially if these files happen to be reports shared with downstream users.

Informatica PowerCenter File Compare is a metadata-driven utility that helps automate regression testing of delimited flat files. Once the metadata of the files to be compared is made available to the utility, it can compare files of a similar layout and publish the summarized and detail test results. The results are categorized into three reports (tables)-

- Compare File Summary
- Compare Column Summary
- Compare Column Detail

The metadata to be provided includes the file layout, key columns and non-key columns to be compared / ignored.

Download file contents:

- 1. Workflow
- 2. Script
- 3. Metadata Query Generator

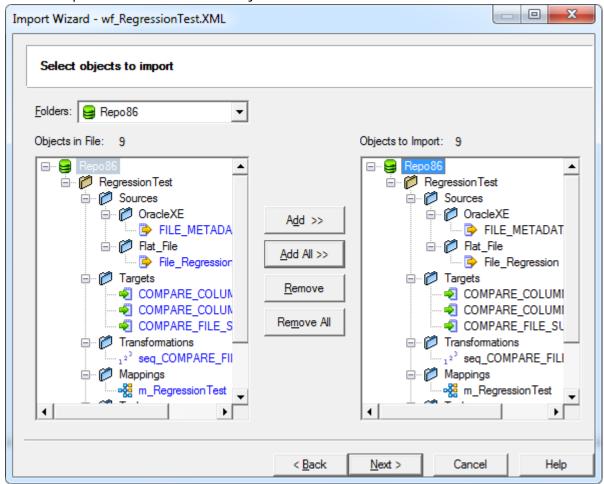
Steps to implement the solution:

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- 1. Create Tables
 - Using the DDLs provided, create the tables (FILE_METADATA, COMPARE_FILE_SUMMARY, COMPARE_COLUMN_SUMMARY and COMPARE_COLUMN_DETAIL) in the database.

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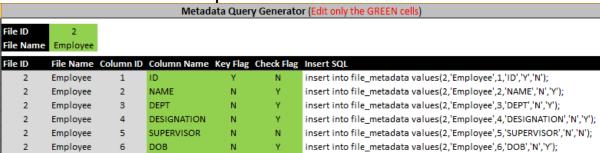
- If a non-Oracle database is being used, the syntax of the DDLs may have to be amended as they were formulated on Oracle.
- 2. Import Informatica Objects
 - Select the appropriate folder in the repository
 - Import all the Informatica objects from the XML



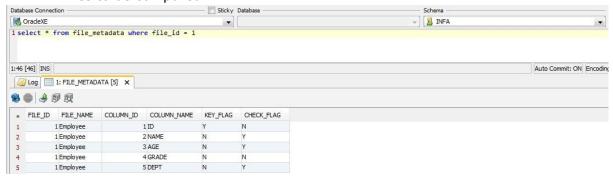
For more details of importing object, please visit our **YouTube** link.

- 3. Build File Metadata
 - Using the provided spreadsheet (QueryGenerator), create the file metadata insert queries; update only the green cells
 - i. File ID: Assign a unique integer value
 - ii. File Name: Assign a unique name
 - iii. Column Name: Specify the names in the order they appear in the file
 - iv. Key Flag: Update as Y/N to indicate if the column is part of the key
 - v. <u>Check Flag</u>: Update as Y/N to indicate if non-key column is to compare/ignored.
 - vi. Only non-key columns with Check Flag = 'Y' would be compared





 Execute the queries against the database; Repeat this process for each set of files to be compared



4. Amend Workflow

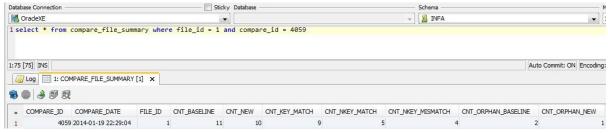
- Create a session for each set of files to be compared
- Choose the appropriate delimiter and specify the file location

5. Execute Workflow

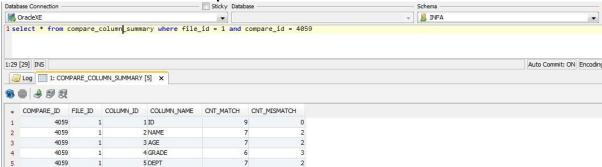
 On execution, the specified files are compared and the test results are published into the tables COMPARE_FILE_SUMMARY,
COMPARE COLUMN SUMMARY and COMPARE COLUMN DETAIL

6. Test Results

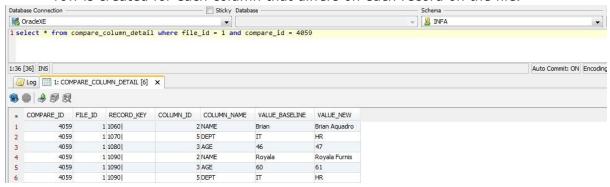
• <u>COMPARE FILE SUMMARY</u>: Holds file-level metrics. One row with a unique COMPARE_ID is created for each execution.



 <u>COMPARE COLUMN SUMMARY</u>: Holds column-level metrics. One row is created for each column in the file. Informatica Marketplace



• <u>COMPARE COLUMN DETAIL</u>: Highlights the column value differences. One row is created for each column that differs on each record on the file.



YouTube Video on Importing and Configuring Workflows:

http://www.youtube.com/playlist?list=PLLRreK2jjjgWBQ4NPfp0QWTxYDvInEqSJ

Other Useful links:

Mapping Bundles

Workflow Bundles

Informatica Tools Bundles

Informatica for Social Media Bundles

Debugging Tools Bundles

Visio Templates Bundles

B2B Templates and Projects Bundles

Data Quality Packs and Plans Bundles

Script Bundles