Data Transaction Manager

Large US Insurance Firm
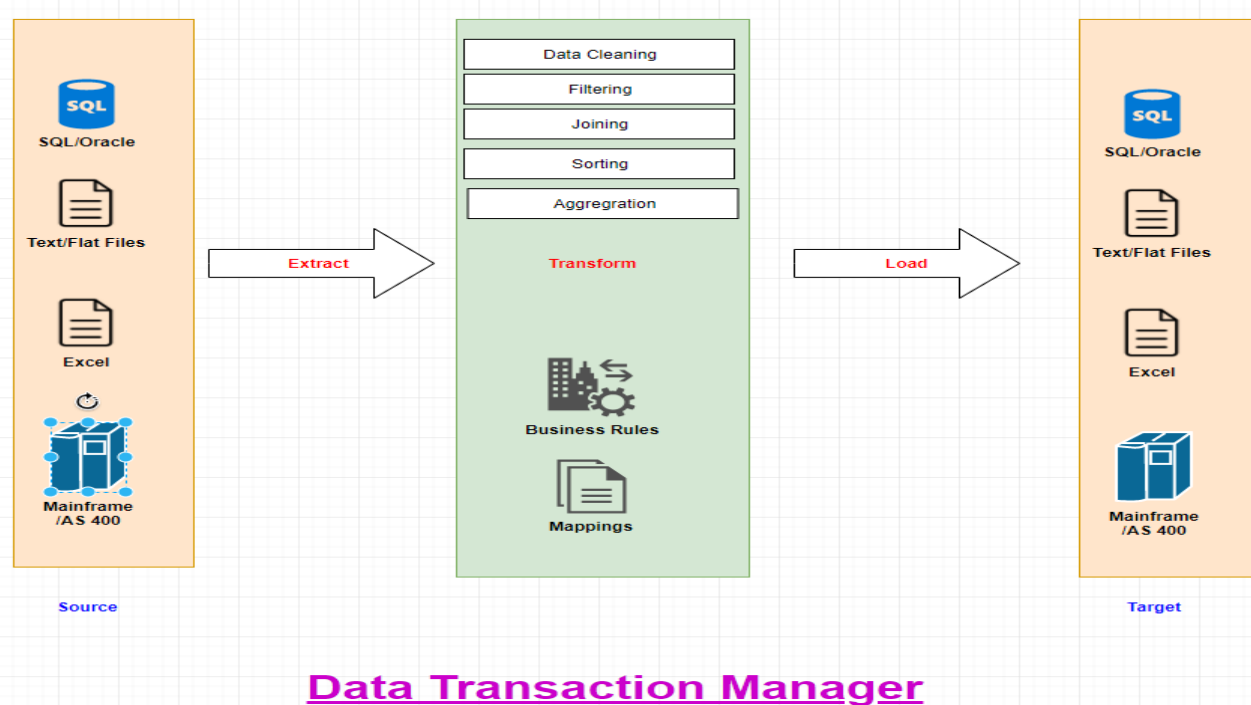
PROBLEM STATEMENT

Tedium - The first major problem with data development tools is tedium. Microsoft Business Intelligence Developer Studio (BIDS) and SQL Server Data Tools (SSDT) are primarily driven by mouse input. Most developer time is spent dragging and dropping on a design surface or filling out forms in dialog boxes. It is slow, it is boring, and it is error prone.

Repetition - A big part of the problem is repetition. Microsoft and other vendors have designed their tools in silos.

Lack of Abstraction and Reuse - With standard tools, copy/paste is the limit of code reuse.

Inconsistency - Standard tools accumulate technical debt by incrementally deconstructing their own patterns.

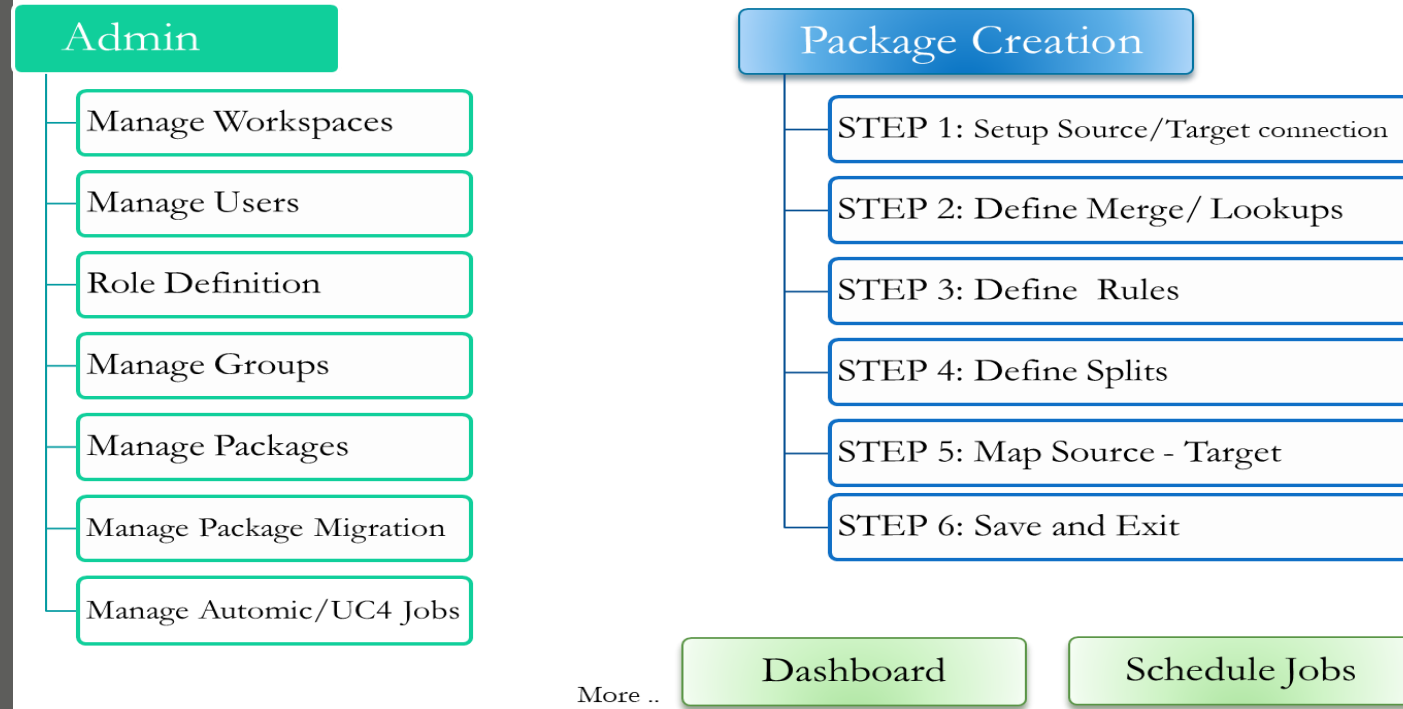**Data Transaction Manager**

NIIT technologies

SOLUTION

- NIIT developed Data Transaction Manager, a uniquely designed ETL system that allows the end user (BA, Accountant, etc.) to manage the rules and transformations of client data without IT intervention.

- Single page and single sign on web application

- Custom functions added to make rule creation easier

- Intellisense enabled web rule editor

- Unique dashboards and email notifications to monitor workflows

- Reusable rules to save any group of repetitive conditions as an evaluation type rule and reuse it in any other rule as if it was a regular field

- Built-in help strings that detects what's already in the rule and automatically suggests the next action using the language of choice.

- Rule Editor employs parentheses to prioritize evaluation of complex rule conditions

DTM features

Admin

- Manage Workspaces
- Manage Users
- Role Definition
- Manage Groups
- Manage Packages
- Manage Package Migration
- Manage Automic/UC4 Jobs

Package Creation

- STEP 1: Setup Source/Target connection
- STEP 2: Define Merge/ Lookups
- STEP 3: Define Rules
- STEP 4: Define Splits
- STEP 5: Map Source - Target
- STEP 6: Save and Exit

More ..

| Dashboard | Schedule Jobs |

BUSINESS OUTCOME

- End-to-end ETL data process without having any technical expertise
- Users could now automate the repetitive and mundane tasks that consumed large amounts of their time
- Easy to turn tedious, repetitive work into reusable components and automate package generation, migration and deployment.
- Execute and schedule the ETL process as per the user need without any external interference.
- Highly efficient algorithm to automatically find the best match in the target and source fields.
- Robust Admin module for activities like user authentication, authorization and packages segregation