Data Integration Services

Our proven data integration process will quickly, safely and cost-effectively manage the successful migration of your data with Evolv.

We have developed and perfected a standard approach to data integration that leverages a proven combination of processes and artifacts to guide clients through the integration process.

Industry Challenges

Below includes a few common challenges banks face when attempting to successfully migrate their data to another system:

- *Disparate Data Sources*—Integration of multiple sources into a consolidated and consistent system-ready format, which often requires manual validation and manipulation. This also usually requires different types and sources for servicing, accounting and credit-related data. For newly acquired loans, there are external sources of data as well as the need to execute upon a conversion strategy to integrate the acquired loan data onto legacy systems.

- *Data Volatility*—With changing business rules for valid values/scenarios, control checks and simplifying assumptions, the challenge becomes balancing transfers, which can be difficult to identify and translate into a loan event. It can also be difficult to distinguish between data corrections and loan modifications in source systems. Another issue is that new transaction types, product codes and reference values can be introduced while in production.

- *Quality/Completeness*—Source data is often incomplete or invalid, leaving it down to stakeholders to resolve. This is an issue because the assumptions made are often different between business areas and/or are inconsistently applied.

Solution

Solving these challenges is critical, as data integration is the single largest cost and time consuming activity of implementing and running any system. Integrating your data the right way is also important because auditors and regulators seek 'provably clean' data, and the accounting results and disclosures are suspect if there is no confidence in the data or evidence of controls. Below are a few other important reasons why addressing the above data integration challenges are important:

- *Garbage, In, Garbage Out*—Financial results produced by Evolv are only as valid and complete as the input.

- *Consistent Application of Assumptions*—Valuation models require inputs that must be consistently applied for accounting (e.g., maturity date, loan balance), especially where estimated cash flows drive accounting results.
- *Comprehensive Reporting*—Reporting is only as robust as the input data. Flexibility is needed to integrate or build on an existing data set to satisfy cross-functional views of the loan portfolio along with regulatory and management reporting needs (e.g., CCAR, model validation, call reporting and portfolio performance).
- *Centralized Data Repository*—A consistent and reliable place to see the whole loan portfolio that brings all of the loan-related data into one location.

Our Approach

Our data integration services align with our implementation services to provide clients with the extra support they need to successfully manage the integration of source system data with Evolv. Our team of specialists have a deep understanding of the various up and downstream systems that integrate with Evolv throughout a client's organization, including: operational servicing systems, credit risk systems and downstream general ledger systems, regulatory and internal management reporting systems. Interfaces are then maintained as part of the software-as-a-service (SaaS) delivery model with all future upgrades and can also be maintained by Primatics as additional data integration needs are identified.

We have developed and perfected a standard approach to data integration that leverages a proven combination of processes and artifacts to guide clients through the integration process. We understand our clients' data challenges and source systems and are experienced in solving for their data integration needs. Integration services range from full support in the identification and transformation of raw source data to the most basic level of support in transforming specific events from client data extracts.

What Primatics Offers

- *Data Integration Services*—Services to build and maintain automated extract, transform and load (ETL) functionality to centralize data collection and enforce consistent validation controls, transformation logic and points of reconciliation across data sources.
- *System Integration Services*—Services to review source system architecture, data flow, controls and critical points of integration with which to advise clients.
- *Data Validation & Cleansing Services*—Monthly validation of client's full volume data, using a prescribed set of validation rules and assumptions to cleanse invalid or incomplete data prior to an Evolv execution.
- *Custom Reporting Services*—Integration of additional reporting custom fields, along with customized views of Evolv's user interface reports and business hierarchies to enable the review and analysis of results in a way that is most meaningful to clients.

Our data integration solution consists of four phases, each with the following key objectives:
- *Data Mapping*—Identify the mapping and transformation rules from a client's source system to the Evolv data specifications, along with validation rules and simplifying assumptions that may be applied in instances of incomplete or unreasonable data submission.
- *ETL Development*—Build the extract, transform and load (ETL) logic to transform client source data as defined within the data mapping requirements.
- *Test*—Validate ETL development through end-to-end Systems Integration Testing.
- *Deployment*—Transition ETL execution and maintenance to Production Support.