Prolifics®

MORTGAGE DATA PROVISIONING HUB

CENTRALIZED DATA PROVISIONING GOVERNANCE
ACROSS ENTERPRISE FRAMEWORKS

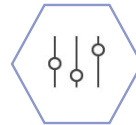## END-TO-END SOLUTIONS

EFFICIENT GOVERNANCE
Save time and improve end user understanding by standardizing your data

ERROR TRACKING
Reduce inaccuracy by monitoring data leakage and transformation errors

CUSTOMIZATION
Designed and implemented to service your particular system's operations and needs

BUSINESS ASSURANCE
Reduce the risk of liability by minimizing data inaccuracy between systems and applications

Overview

The Prolifics Mortgage Data Provisioning Hub takes advantage of Open Source methodology to address the common Mortgage Banking industry (and other enterprises) issue of data being lost or misunderstood during provisioning within an elaborate framework. Different data sources manage their databases using dissimilar field names and definitions to suit their internal needs, passing these variations downstream to other users and resources operating under another set of standards.

The more complex and extensive your enterprise is, the more it requires a means of centralizing how source data is extracted, shared and understood. The risks represented by human errors during data interpretation and implementation following an extract are too great to ignore. Every inaccuracy and misunderstanding increases liability, especially within industries such as Mortgage Banking, which is why our solution attacks the problem on multiple layers.

Centralized Data Provisioning

Our unique and innovative Data Provisioning Hub solution provides a central point for data provisioning within complex system environments and frameworks. By channelling and governing this incongruent data, and taking control of these confusing and sometimes conflicting data provisioning characteristics, the Data Provisioning Hub guards your enterprise against detrimental outcomes due to inaccurate information implementation and reporting that can lead to sub-optimal decision making.

Data Synchronization

To prevent conflicts, the Provisioning Hub only functions with committed transactions, meaning only one application may be operating on a given record simultaneously. This limitation accommodates proper synchronization via the Hub using time stamps, database logs and triggers to ensure conflicts do not occur via multiple, simultaneous access. This restriction also expedites efficient push and pull application transactions by keeping the app from becoming overloaded.

Also, data integration remains flexible regardless of the data source provided for synchronization. Whether the data is coming from a bulk source (e.g., offline data tapes) or Change Data Source (CDC), the Provisioning Hub integrates and synchronizes the data seamlessly without affecting the source model.

Governed Definitions & Standards

The Provisioning Hub facilitates Master Data Management by mapping data elements from different sources into one that follows the normalized Mortgage Industry standard, MISMO. The solution does so by imposing Governors that control data in a unified manner, according to your requirements and indicated specifications.

Disparate database fields and definitions that serve the same purpose are identified, and their relationship is characterized

by the governance process. When a lookup data process is called and information is pulled, the Governors map it to a Hub-specified format via a unified relational model. This transformation is then passed to operators and upstream applications to ensure standards conformity proliferates beyond that specific extract.

Data Cleansing

As more data is integrated and synchronized by the Provisioning Hub, the cleaner it becomes. Exposure to the Governors allows proliferation of "clean" data, which becomes the new operational standard and exposes problems to the solution's reporting and error tracking processes.

Unified Reporting

Reporting functionality is available directly from the Provisioning Hub, and it is here that operational and process metrics are captured. However, reporting is still available from individual apps, creating the perception that such reports are locally sourced. This ensures all reporting is governed identically, providing uniform data regardless of the report's application of origin.

Error and Data Leak Tracking

The Hub logs any records that fail transformation according to the specified governance due to connectivity issues and so on, as does the record's associated failure table. Additionally, stakeholders are notified when records cannot be reconciled following a re-try. At this point, the failure records are updated to indicate when the failure occurred and whether the appropriate notification was sent.

Similarly, the solution tracks how many target records occur following the transformation of each source record. By reconciling the number of source records with the resulting target records, data leaks are identified and can be addressed accordingly.

Such detailed error tracking, leak tracking and notification grants greater control over data provisioning and further reduces operational inaccuracies.

Bolster Your SMEs

Governing your data and its definitions throughout your framework helps your enterprise's subject matter experts (SMEs) all speak the same language when it comes to your data extracts. This reduces the chance of information being misunderstood and misrepresented to your customers in a manner that could be both embarrassing and costly for your business.

Customization

Prolifics designs and implements each Mortgage Data Provisioning Hub solution individually because every organization's framework is different. Built upon your existing data extract, transformation and load (ETL) and mapping requirements (covering both data at rest and in movement), our solution provides hub functionality in support of your desired deployment scope and strategy. You choose which systems, databases and data channels (e.g., Retail) to include.

Discover How Your Data could Benefit from Hub-Based Provisioning

Contact Prolifics at solutions@prolifics.com to find out how our Mortgage Data Provisioning Hub solution may help simplify how your organization's data is shared and understood. Learn about how your business can benefit from lowered risk and reduced liability.