



# Reference Data Accelerator

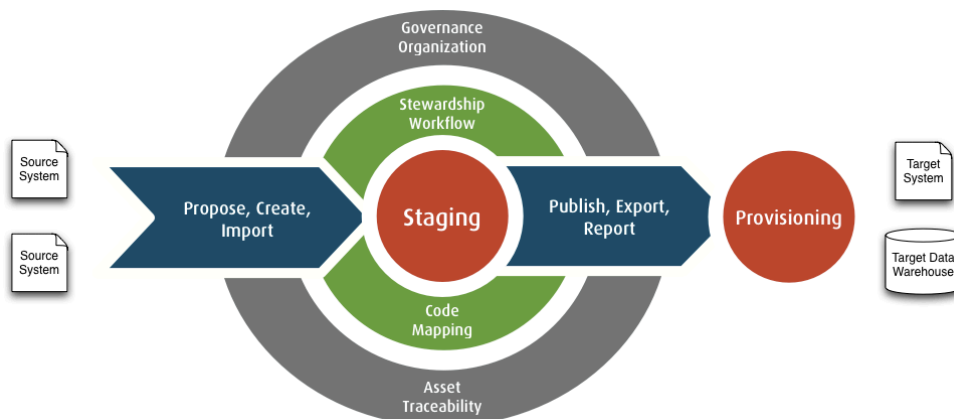
## Integration & Provisioning Architecture

Collibra's **Reference Data Accelerator** is a unique reference data solution that handles all types of reference data equally efficient. It makes reference data easily accessible and manageable in a business-friendly interface. Proposing new code values, mapping different code hierarchies, or comparing different versions of a complex reference data set in just minutes through the web interface.

This solution brief describes the solution and how it can be integrated with producing and consuming systems and applications. The available provisioning options allow you to easily and effectively integrate the product into your existing infrastructure. External applications, data warehouses, etc. will be able to easily provide or consume approved reference data sets.

## Solution Overview

The **Reference Data Accelerator** is a unique Reference Data Management solution as it is embedded in a strong Data Governance and Data Stewardship platform. The figure below gives a conceptual overview of the solution.



The **Reference Data Accelerator** provides a three-step environment:

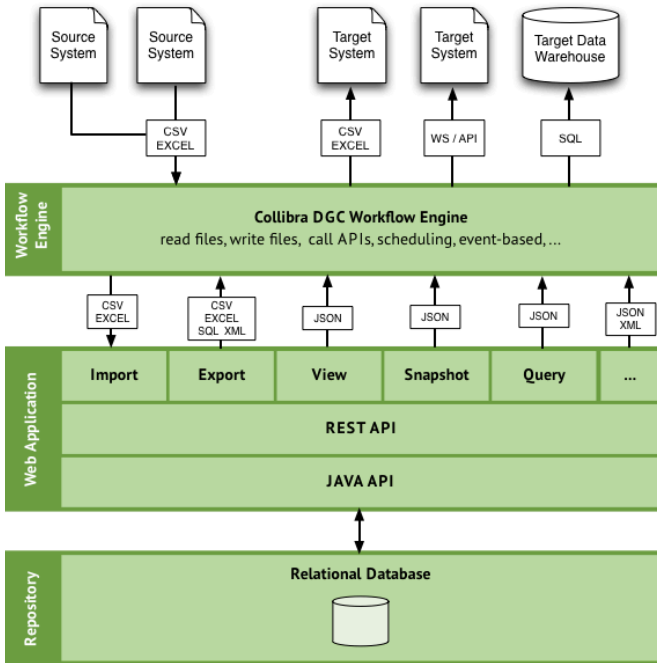
1. **Existing reference data values** (e.g. codes) can be proposed through an intake workflow, imported from external systems through the web interface (e.g. Excel import wizard) or integration APIs or new reference data can be created manually in the web interface.
2. The **staging environment** is a business-facing, user friendly web environment that facilitates the improvement, review and approval of reference data. Reference data can be easily structured into different hierarchies (simple or complex, multi-dimensional hierarchies), which can be compared and mapped onto each other using an advanced **mapping editor**. The surrounding **Governance platform** provides the required governance operating model by implementing the organizational model (communities & domains), roles and responsibilities (data stewards, owners, ...) and **stewardship workflows** (using a standards-based BPMN workflow engine). The included **Business Glossary and Data Dictionary** functionality provides full top-to-bottom **traceability** on how your reference data relates to business definitions, data assets (databases, tables, ...) and technology assets (systems, applications, ...).
3. The **provisioning environment** enables the consumption of approved reference data by consuming systems such as applications or data warehouses. Snapshots can be configured and created through the web interface or web-service APIs. This gives you full control over exactly what you want to have provisioned. Snapshots are saved over time enabling advanced version comparison and time-travel. Consuming systems can easily access the live reference data or provisioned snapshots through our public APIs using various integration patterns.



## Out-of-the-box provisioning

The Reference Data Accelerator can be used to automate the consumption and production of reference data through the build-in, standards-based workflow engine.

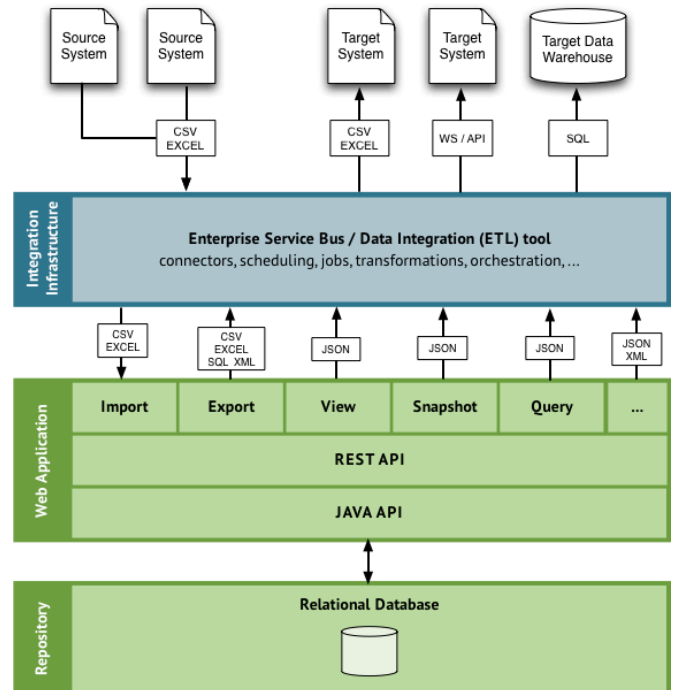
The Workflow engine has direct access to the JAVA APIs that can be used to import existing reference data sets through the Import API and export approved reference data through the export, view, snapshot or query APIs. These flows can be scheduled or triggered by certain events coming from the Reference Data Accelerator (e.g. Reference data snapshot gets approved) or from external applications through the public Workflow API.



## Integration infrastructure provisioning

Many organizations use an Enterprise Service Bus (ESB) or a Data Integration (ETL) tool for data and application integration. Both types of products can be used to support the consumption and product of reference data to and from the Reference Data Accelerator.

The advantage of using an existing ESB or ETL tool to integrate the reference data between systems that product or consume reference data and the Reference Data Accelerator is that you can leverage many of the integration patterns and functionalities that come with these products. You will be able to use the content negotiation, transformation, orchestration, etc. functionality of these products and connect to the available REST APIs of the Reference Data Accelerator.



## Reference Data Accelerator - API Overview

### Import

The Import API enables you to import Excel and CSV files. You can create and save import configurations that map different types of import structures onto fields in Collibra. These configurations can be used to automatically import data into the Reference Data Accelerator.

### Export

The Export API enables you to export pre-configured views, snapshots or queries into various file formats such as CSV, EXCEL, SQL, or XML.

### View

The View API enables you to save logical queries as views. This makes it very easy to get the data that belongs to such a saved view in JSON format.

### Snapshot

The Snapshot API enables you to capture data that belongs to a view and fix it in time. This allows you to efficiently version your reference data and ensure that the same reference data is pushed to consuming systems. It also allows you to easily compare different reference data versions over time as to allow "time travel".

Using the Export API for example, SQL scripts can be generated from a snapshot that will insert all data that belongs to a snapshot into a relational database such as your data warehouse.

### Query

The Query API provides you with a logical query mechanism that can be used to get all possible data that is captured in the Reference Data Accelerator out in an effective manner.

## About Collibra

Collibra is a Data Governance software company bringing Business and IT together to govern data as an enterprise asset.

Collibra Data Governance Center is a process-driven, fully-integrated product suite to make data governance practical. It consists of the following three products:

**Business Semantics Glossary**

**Reference Data Accelerator**

**Data Stewardship Manager**

For more information, please visit or contact us at:

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