

DvSum Data Management Platform

The holistic Solution for the Business & IT



Less time
managing data.
More time
making decisions.

DvSum is a Cloud technology platform to help companies convert data into high quality information to run the business. Business and IT requirements are unified in an automated closed-loop governance process to improve data readiness. Data quality issues are not only identified, but also fixed in the source systems — all with no hardware or software to install.

DvSum enables you to manage data holistically across systems and processes. With its patented technology, DvSum simultaneously checks and compares data across multiple systems in real-time. This allows you to embed governance into natural business and IT processes, and align data to the business requirements — thereby driving and sustaining business benefits.

DATA-PARC PROCESS

PROFILE *Explore, discover, analyze data characteristics, statistics and relationships.*



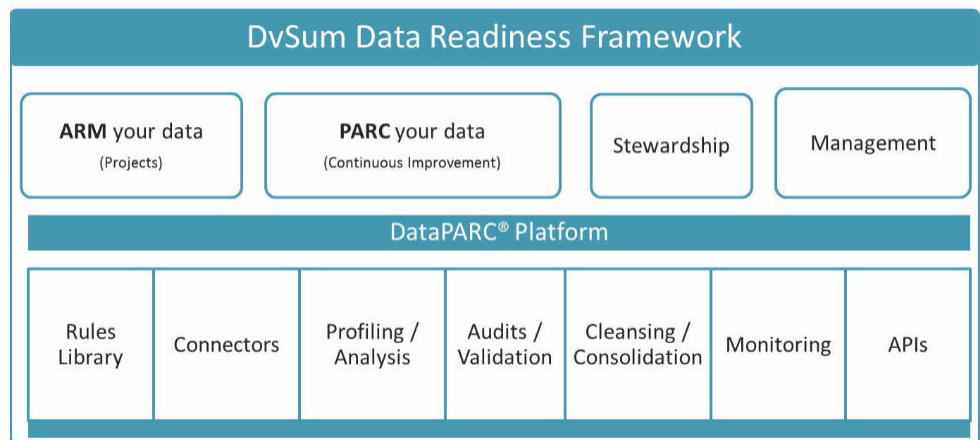
AUDIT *Check data completeness, consistency, validity, accuracy, timeliness, integrity, and reconcile.*



REVIEW *Analyze audit results, identify root-causes and fixes, cleanse and enrich the data.*



COMPLY *Define the closed-loop process & KPIs for monitoring, compliance & accountability.*



Data Discovery

Before you can determine requirements, analyze trends and identify insights from your data, you need to understand it. Understanding data is much more than numbers and metrics, its about seeing how it represents your business. With DvSum, you can explore and discover data flows, characteristics, distribution and associations in your data, and attributes used for various business functions.

Profiling

Identify characteristics of your data like value ranges, patterns, and empty values. Generate visualizations like distribution histogram of data. This information helps you understand the content of your data and also identifies requirements and potential data quality issues.

Exploration

Explore your data, data flows and data relationships across systems. For example, “Material Group” maintained in your ERP may be called “Item Group” in your Reporting system. Inspect and reconcile values across systems in a single view. Exploring these data comparisons helps educate and grow expertise across systems and business groups.

Analysis

Automatically classify data fields into key fields, attributes and metrics, without the need for setting it up. Visualize and explore associations in your data and identify outliers. For example, relationship between multiple non-related attributes or inspect supply chain lane rules.

Data Validation

Create audit rules to validate completeness, validity, consistency, integrity, accuracy, and timeliness of data. Analyze audit results, exceptions, progress to KPIs and trends. Identify root-causes, focus areas, and actions to fix data.

Audit Wizards

Create complex and comprehensive audit rules. No technical skills required with a simple guided wizard. Create rules for blank values, value ranges, patterns, volume, orphan data, cross-system reconciliation, metric comparison, timeliness checks and more. Or write your own complex queries and rules.

- Master Data
- Address Validation
- Reconciliation / Document Matching
- Supply Chain / Network Data
- ETL Validation
- Planning Exceptions
- Harmonization

Rules Library

Leverage community supported and expanding rules library to import thousands of rules for standard applications like ERP and SCM. Start analyzing and fixing live data within a day.

Reference Dictionary

Auto-create a reference dictionary from profiled data, or import your custom dictionary, or hand-create a dictionary. Then use it in rules to validate your data.

Data Cleansing & Enrichment - Close the Loop

Traditional Data Quality processes generate exceptions and then pass them on to others to resolve, with no way to validate fixes, or track improvements. DvSum not only identifies data quality issues but you can also cleanse the data, and even write-back the updates back into the source system automatically.

Review

Review and resolve data problems with automated analysis. Drill-down into individual records and get suggestions on correct values. Automatic slicing / dicing of aggregated data to identify outliers and exceptions.

Fix the Data

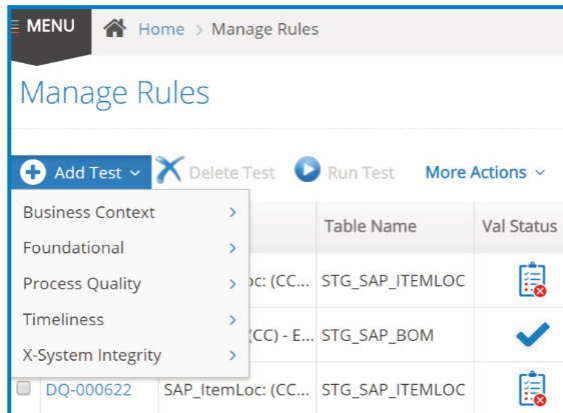
Resolve the exceptions. Fix incomplete or inaccurate data. Delete bad records. Reconcile multi-system data. Standardize addresses.

Machine Learning based Automated Fixing

Fix the data automatically. The system learns from data profiles and user actions and can suggest and apply fixes to data automatically.

Write-Back (true closed-loop)

Propagate data resolutions back to source systems seamlessly. Provide a single data management user interface across multiple business applications.



Rich set of Wizard-driven Rules Library

Fields	Sample-1	Sample-2	Sample-3	Sample-4
WeightUnit	OZ	KG	KG	KG
MaterialType	FERT	FERT	FERT	FERT
BaseUOM	ST	ST	ST	ST
BasicMaterial			CRNIMO2	Stahl / Stee

Fix data & write-back, or automate cleansing rules.

Multi-domain MDM solution

Add an enterprise class Match & Merge solution to your Data Management capabilities. Consolidate data from multiple sources, identify golden records and duplicates. Use it for your Customers, Products and Location domains

Customer De-duplication

Use existing library of matching templates across wide variety of data elements like Names, Addresses, Phone Numbers, and Zip Codes to do fuzzy matching to identify similar records. Setup advanced criterion for identification of golden records and field survivorship. Use auto-merge to automatically reconcile, merge data across multiple systems.

Location Address Validation and Standardization

Validate and Standardize Global addresses against Geocoding APIs like Google. Standardize and consolidate address and ship-to records. Update standardized addresses back to your source system.

Column Name	<input checked="" type="radio"/> Record 1 (Golden)	<input type="radio"/> Record 2	<input type="radio"/> Record 3
CUST_CITY	<input checked="" type="radio"/> Kadina	<input type="radio"/>	<input type="radio"/>
CUST_EMAIL	<input checked="" type="radio"/> sagar@agar.net.au	<input type="radio"/>	<input type="radio"/>
CUST_FIRST_NAME	<input type="radio"/> Sommer	<input type="radio"/> Somer	<input checked="" type="radio"/> Somn
CUST_LAST_NAME	Agar	Agar	Agar
CUST_POSTAL_CODE	5554	5554	5554
CUST_STATE	<input checked="" type="radio"/> SA	<input type="radio"/>	<input type="radio"/>

Merge & Match multiple Records

Data Governance Process

Solution capabilities on their own can not solve data challenges or improve quality. A clear, repeatable processes is required to identify exceptions, fix data and drive improvements. DvSum brings business functions and IT together in an orchestrated closed-loop data governance and assurance framework.

Data Stewardship / Accountability

Assign ownership of data and process tasks to users across business and IT. Full flexibility to arrange data sets and assign ownership by business processes, applications, or domains of data.

Meta Data Dictionary and Business Glossary

Provide a unified meta data dictionary and business glossary for business and IT users across all your systems. Create multi-language definitions, relationships, synonyms, track changes to data definitions and discover data real-time in your source systems.

Data Lineage

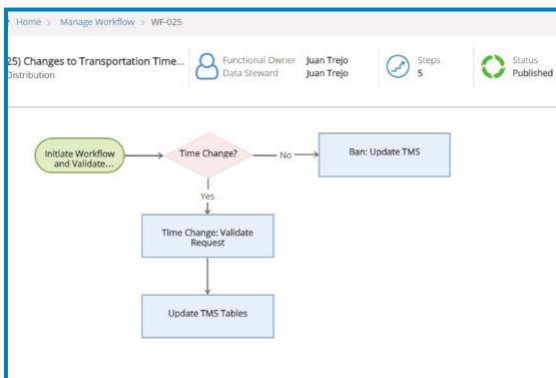
Map data catalog to Business Glossary. Represent data flows from Data Integration and User-driven processes to create data lineage.

Business Process Management / Data Management Workflows

Design and execute business process or data management workflows for orchestrating changes to your ERP, Planning and Data Management systems. Workflows like New Product Introduction, New Customer Introduction, new product revisions, Sourcing changes etc. Create workflows for Data Stewards driven data audits, cleansing and write-back.

Reporting, Data Metrics, KPIs & Milestones, Issue Tracking

Generate data quality reports and scorecards aligned to your data goals and milestones. Drill-down to key focus areas, analyze trends and problem areas to determine action items and drive improvements. Establish data scores and metrics aligned to the business needs, such as quality and timing. Create Readiness targets specific to company initiatives or time-sensitive processes and track progress to milestones.



Data Readiness & KPIs aligned to business goals



Integration and Monitoring

Effective data management cannot be ad hoc, or a static IT process. Even weekly data validations are insufficient in supporting the daily processes, plan generation, transactions and reporting needs of a dynamic business. DvSum integrates into your existing IT and system processes to provide real-time capabilities, right when they are needed most.

Embedded Data Validation

Use existing data quality audits and embed them into your current data processes. For example, integrate a document reconciliation audit into a batch data synch process. This runs the comparison across systems and notifies the data owner of any discrepancies.

Batch Execution / Automated Testing

Run logical groups of audits together in a batch process. For example, in a project environment, run audits to automate testing of data conversions, migrations, and ETL development. In an operations environment, run planning audits after a weekly planning run to identify all exceptions across manufacturing, distribution, procurement and fulfillment. Schedule audits to automatically run at certain frequency.

Integrate to Batch Scheduling / Real-time monitoring

Within your current data feeds and application runs, integrate DvSum audits to validate data and stop feeds when quality or variance thresholds are exceeded. Or use auto-cleanse to fix the data automatically. Set up select audits to run in an active monitoring and alert mode. Generate alerts when business data is created or modified which doesn't confirm to business rules.

Enterprise Solution, Simplicity of Cloud

DvSum is pure SaaS. There is no software to install or maintain. Our patented technology enables the solution to work with your enterprise data in real-time, and volume data never leaves your enterprise. There is no data for you to synch, while in-memory processing delivers the full speed and scalability of the Cloud.

Any Data, Any Data Source, Anywhere in your Enterprise

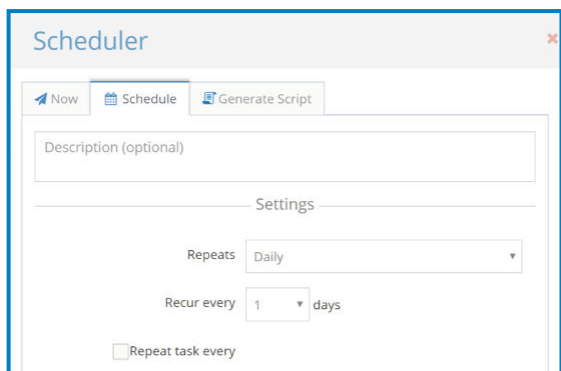
Connect all your data sources including SAP, Oracle, Cloud services, even home grown solutions, Excel and orphan data. Quickly connect sources, bring data together and deliver high quality data to business.

One Platform. Multiple Users & Uses

DvSum unifies business and IT around a shared process platform. Sophisticated capabilities meet IT needs, and empower non-technical users to align data to business requirements. Use DvSum to accelerate projects and ensure success of system implementations and business transformation initiatives. Support on-going business operations and data needs across functions, from Supply Chain and Products to Financial Reporting and Marketing, across all your systems and processes.

Value in Days

DvSum's auto data-discovery and expanding rules library enables you to start analyzing and fixing live data within days. The fast time-to-value is matched with a low cost of ownership. Simply identify and start solving your data needs today with DvSum.



VALUE WITH DVSUM



Increase project ROI, speed time to value



Lower cost of quality, improve efficiency



Elevate value across systems and processes



Expand data insights and analysis



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