G2 Risk Solutions

Data Curation Platform

Powered by Fintellix

A user-friendly platform enabling self-service data curation through codeless experience to deliver curated, attested and trusted data for business use cases

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Challenge

Banking and financial services industry has been one of the early adopters of data analytics and digital technologies. Every customer interaction, every transaction, product and pricing decisions, risk management processes, accounting and bookkeeping, and regulatory compliance, all rely on the flow of data within the enterprise.

However much sophisticated the data management technologies and the end use cases of data and analytics may be, enterprises still grapple with data inconsistencies, including incomplete data sets and manually maintained or enriched data. Ownership of data sets with clearly understood data flows, lineage and interdependencies, along with responsibility to attest data to be complete and accurate in a time manner is not well established. Most data governance initiatives are set up to tackle to this specific challenge, but have lacked the right tools to effectively implement the required processes.
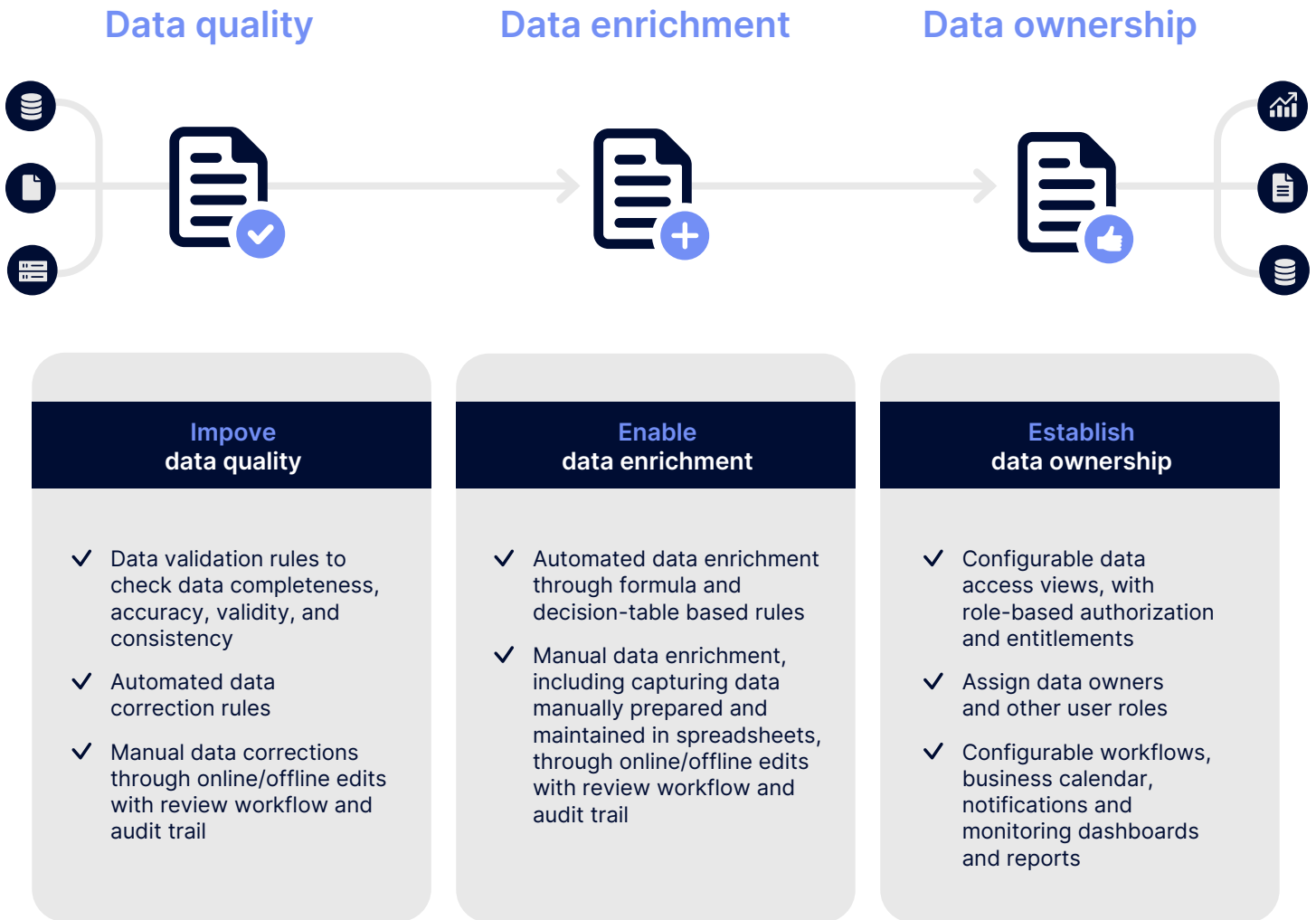
Solution

G2 Risk Solutions (G2RS) Data Curation Platform has been developed to address such gaps in the enterprise data management framework. The platform is designed to help enterprises effectively manage and govern their data assets, empowering the business users to be the gatekeepers with clear ownership and accountability for data completeness, accuracy and timeliness, supported with necessary effective functions and automation.

Highlights

- **Data quality**
  Gain full visibility and control over the quality of data and ensure data completeness, accuracy, validity, and consistency through data validation rules and automated and manual audited data correction processes.

- **Data ownership**
  Establish well defined ownership and governance with clear roles and responsibilities to own their datasets and ensure completeness, accuracy, and timely delivery of attested data.

- **Data standardization**
  Derive attributes at the lowest granularity, as required for downstream data analysis and consumption but not available from source. Derive standard internal or regulatory codes.

- **Manage manual data**
  Manage and integrate data manually maintained in spreadsheets into the data ecosystem through file uploads or online data edits.

- **Data centralization**
  Centralized data curation flow and curated data repository enables data comprehensiveness, uniformity, and consistency to meet the data needs of all the downstream solutions and use cases.

- **Regulatory compliance**
  Unified data flow architecture powered by the Data Curation Platform is a stepping stone and pivotal towards compliance with standard guidelines and principles laid out for data management and reporting processes, such as BCBS 239.

- **Flexible deployment**
  Deployable on premise or on the cloud and can seamlessly integrate into the existing data ecosystem by operating on an existing or a new data warehouse/repository.
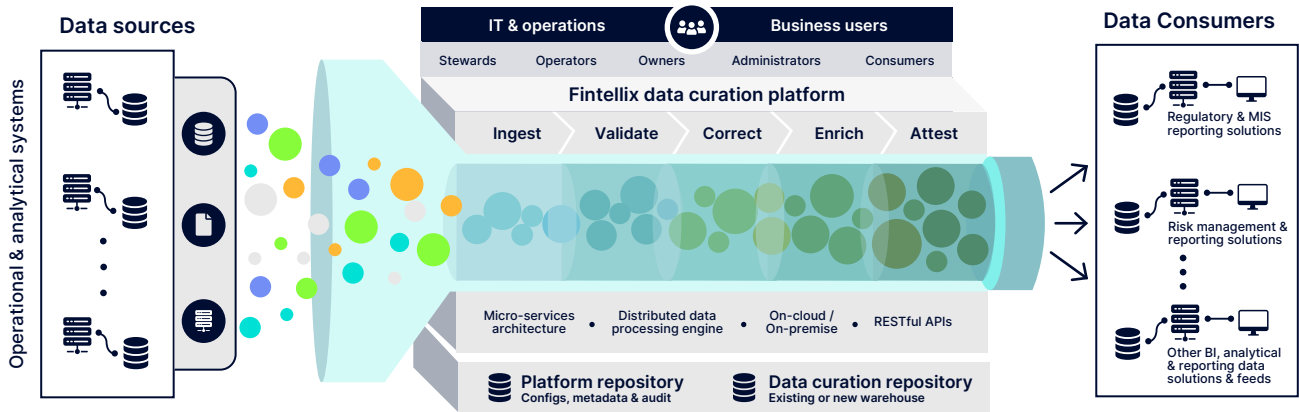
G2RS Data Curation Platform is specifically designed to address the three most critical gaps in enterprises:

Data quality

Data enrichment

Data ownership

Impove
data quality

- ✓ Data validation rules to check data completeness, accuracy, validity, and consistency
- ✓ Automated data correction rules
- ✓ Manual data corrections through online/offline edits with review workflow and audit trail

Enable
data enrichment

- ✓ Automated data enrichment through formula and decision-table based rules
- ✓ Manual data enrichment, including capturing data manually prepared and maintained in spreadsheets, through online/offline edits with review workflow and audit trail

Establish
data ownership

- ✓ Configurable data access views, with role-based authorization and entitlements
- ✓ Assign data owners and other user roles
- ✓ Configurable workflows, business calendar, notifications and monitoring dashboards and reports

Ensure the success of your data governance initiatives by clearly defining data quality and data ownership, and driving accountability for complete, accurate and timely data.

Data flow architecture

Powered by G2RS Data Curation Platform

Data sources

Operational & analytical systems

IT & operations — **Business users**

Stewards | Operators | Owners | Administrators | Consumers

Fintellix data curation platform

Ingest › Validate › Correct › Enrich › Attest

Micro-services architecture • Distributed data processing engine • On-cloud / On-premise • RESTful APIs

Platform repository Configs, metadata & audit

Data curation repository Existing or new warehouse

Data Consumers

Regulatory & MIS reporting solutions

Risk management & reporting solutions

Other BI, analytical & reporting data solutions & feeds

Controlled data flows
Unified and common source of curated data hub for all downstream data needs ensuring data uniformity and consistencyof input data for all data consumers.

Improved data quality
Ensure data completeness, accuracy, consistency and timeliness through data validation rules, data corrections and enrichments with audit trail and associated processes for review and data attestation.

Centralized data enrichment
Derive standard data attributes common across multiple data consumers and integrate manually maintained datasets through file uploads or online edits with audit trail, validation controls and review processes for attestation and progress tracking.

Effective governance
Establish well-defined ownership and accountability for data assets with authorized data access control, review workflows, events calendar, alerts, and reminders and dashboards for tracking data quality and user processes.

About G2 Risk Solutions (G2RS)

G2 Risk Solutions is the definitive expert in risk and compliance business intelligence for financial institutions and online platforms. We are industry pioneers providing market-leading solutions for merchant risk, digital commerce risk, bankruptcy risk, and credit risk and regulatory reporting. We are driving innovation and shaping the future of risk management through unprecedented data, technology, and global compliance and risk expertise, providing the financial services and digital commerce ecosystems with the tools needed to navigate complex and ever-changing regulatory requirements and mitigate risk.

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