Solidatus

Solution Overview

Trust the data at the foundation of your business.

www.solidatus.com

Solidatus helps you discover, assess and prove the complete journey of your data from its source, through multiple systems – so you can understand and truly trust the data at the foundation of your business. We do this through a visual map of your data's journey and transformations through all systems in your organization.

High Level Stages of Lineage with Solidatus

Capture Data and Build Journeys

- Capture data from different sources
- Build a granular, end-to-end picture of where your data enters the business and through which systems it flows
- Have full visibility into how data is transformed to understand business impact

People involved:
Technical Experts

Add Business Context

- Add business context, such as data quality outcomes, policies and tags
- Identify whether personal data is appropriately masked and pinpoint potential data quality issues
- Business teams can use different views you've created, in a language they understand

People involved:
Business Users

Find Answers to Business Questions

- Business users trace back to find where discrepancies arise, see who has ownership and resolve issues
- Track your progress towards meeting business and regulatory requirements
- Delegate tasks to relevant subject matter experts

People involved:
Executives and Leadership

Key Features :

Granular, Fine Grain Data Lineage

- **Fine grain:** See a map view in granular, fine grain detail – at the column, not table level.
- **Insight into transformations:** See exactly how the numbers were calculated.

Connected Catalog

- **Data discovery:** Enables business users to search and browse where data is used, without having to look at more technical information
- **Data products** and critical data elements include descriptions at the data level, such as what is first name, last name etc
- **Business glossaries** are available to centrally record and share additional terms and synonyms for business users, so everyone uses familiar terminology.

Data Understanding and Analytics

- **Quality and characteristics of the metadata related to your data:** Know whether it's complete per your standards by seeing check boxes, inspections or ratings.
- **See key categories like critical data on the map view:** In context with data quality scores. We can use your existing systems or calculate them ourselves.
- **Add tags:** Such as annotations, chats or owners of systems – to columns, tables or metadata – so anyone can search and trace back to see data's source and changes – and to add powerful business context.

Technical and Business Metadata and Data Management

- **Manage models with change control**: Create multiple views with filters, which users can come back to any time.
- **Automatic connection to metadata:** Helps you pull together this picture.
- **Bi-temporal version control:** Solidatus keeps logs of all versions, code and changes in the past. See on a timeline any controls, stewards and more that were added. Also see your path today, then fork and create a parallel, of what you plan to do – then merge it back into the timeline.

Governance and Policy Management

- **Policy setting:** A data policy – such as having to comply with BCBS 239 – can be written into Solidatus as a reference model, so it can match your policies to data and check tables and columns comply
- **Policy representation:** Business users can click on policies and trace back to see checks are applied, identify any issues or gaps.
- **Rules management:** Define and run logical rules-based analytics on top of the map view, to spot issues relating to data quality, accuracy, completeness and personal identifiable information (PII)

Integrations

- **Integrations to key technologies:** Automatically capture the metadata and lineage and show the connections between hundreds of thousands of data elements in tables and columns in those systems.
- **Solutions:** We provide consultation and support for complex technology integrations including mainframes and bi-directional support.
- **Flexible API:** Benefit from full development capabilities.
- **Flexible model:** Solidatus stores this information about the data (metadata) flexibly, to reflect your existing structures, rather than forcing you into a specific structure.

Reporting and Decision Making

- **Understand the quality and completeness of data:** For accurate business decisions
- **Regulatory reporting:** Once you've decided how to enforce policies, you can reference regulations in a dictionary in Solidatus and apply controls and checks for Solidatus to run on columns or tables. See whether controls are effective, identify gaps and apply tasks to people to resolve
- **Impact and gap analysis:** Understand the impact of changes throughout your systems. Perform gap analysis and once issues are found, inspire action and collaboration by assigning a task to someone.

Matching, Linking, Merging

- **Match, link and merge:** Do so for any data policies, filling any gaps with an easy user-interface. You'll then have business context, from which you can create different views for users.
- **Easy user interface to match, link and merge:** Resolve where there are any gaps manually or using automation

High Level Stages of Lineage with Solidatus

Regulatory compliance: Many regulations require businesses to have a good understanding of where their data comes from and where it is used – and to be able to react quickly to pinpoint and resolve any issues. Examples include GDPR – in terms of quickly seeing where personal data is used, the EU AI Act – to be transparent about where AI is used and know its risk, and many more, such as BCBS 239, DORA and ESG.

Business decision making and reporting: Strategic reports and decision making are founded on correct data. If any errors or discrepancies are detected, Solidatus helps you perform root cause analysis and rapidly trace back to the source of the issue so you can clarify, resolve and continue with business as usual.

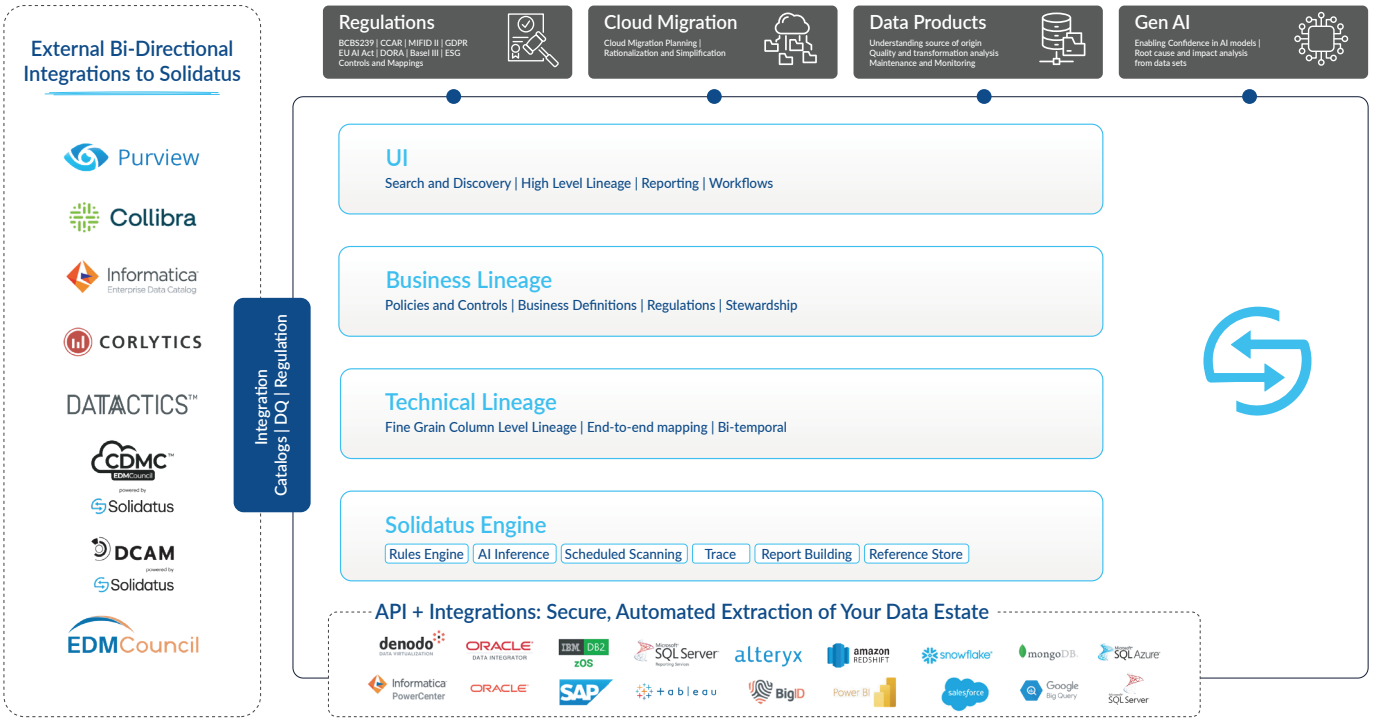
AI use: As the use of AI increases, businesses will need to have insight – and be able to disclose where AI is used in the business. Lineage shows this as well as seeing the sources and changes in datasets that are fed into AI and other systems. Companies can proactively visualize the impact of data changes downstream, to see if any critical systems will be affected – or if an AI model uses it later. Any data changes may affect the accuracy of the AI model. Additionally, since knowing your risk of AI is important, Solidatus can calculate risk if for example you add a number to each use in a critical business system – helping you stay on top as new AI uses are added.

Business operations, cloud migrations and operational resilience: Many critical business operations are affected by data. Proactively mapping and planning your data flows helps conduct impact analysis and reduce the risk in cloud migrations and mergers and acquisitions integrations. Additionally, Solidatus helps you plan and predict future stats and 'what if' situations so that you can visualize the impact of any change before you make it. For operational resilience, being able to see this flow of data helps you understand dependencies of systems on one another – and help prioritize bringing back systems in the case of downtime. When you add information such as how long each one would take to get back up in a failure, Solidatus can calculate all systems impacted and give you the sum time for projected resolution.

Data governance: Having the foundations of data lineage in place to monitor and measure your entire data governance program will reduce the cost and improve the efficiency of many business projects. You can understand the relationships between processes, data, transformations and reports. You will be able to measure the outcomes of your policies and processes and plan for continual improvement.

Data products: Data products require a high level of confidence, quality assurance and ongoing monitoring to ensure they can be used by internal and external customers. Solidatus helps you govern who has access to them, understand revenue streams for each product and the cost and value for each product to the business. You'll also be able to attest to the quality of data flowing into them and model the impact of upstream changes, such as removing a product.

Architecture



Prove

Show exactly where data comes from, how it changes, and who is responsible

Predict

See the impact of changes before they happen, proactively action these changes in an automated fashion

Protect

Reduce the risk of compliance and regulatory breaches, operational disruptions, and reputational damage