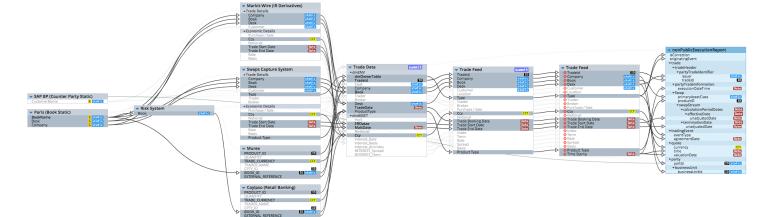# Solidatus Data Lineage

Solidatus allows the rapid capture, storage and visual representation of data lineage, together with its supporting metadata. The powerful governance and version control features of Solidatus enable and facilitate enterprise-wide collaboration, giving subject-matter experts across an organisation the power to take ownership of the definition and maintenance of metadata within their respective areas of expertise. This may then be shared to ensure consistency, comprehensive understanding and adoption across the entire firm, providing an essential foundation to best-practice data governance.

The Solidatus meta-model is easily understood by users from both technical and business backgrounds. Combined with its intuitive visual interface, Solidatus is a tool that can be used by anyone who needs to understand, record or represent data lineage and metadata, without the need for lengthy training and support.

With Solidatus it is now possible for an enterprise to have a centrally coordinated, distributed and universally available single source of metadata knowledge, eliminating confusion over terminology and reducing development time and overheads.

FEATURES

- **Meta-model** – The robust, hierarchical Solidatus meta-model of Layers, Objects, Groups and Attributes related by Transitions is readily understood, not only by technologists with a background in object-oriented design but also by business people who need their area of the business to be modelled.

- **Visual Interface** – Through the intuitive Solidatus interface, models can be quickly created but, more importantly, when shared they are easily understood by others, enabling anomalies to be spotted easily and investigated.

- **Version Control** – All modifications of a model are tracked by Solidatus which provides the ability to visualise differences between versions and plan forward. This facilitates change control and impact analysis.

- **Properties** – Any entity within a Solidatus model may have an unlimited number of properties, which allows for flexible and comprehensive metadata capture. There are no size limits to a property, allowing a richness of detail to be supported that would be unsustainable in a traditional, spreadsheet-based approach.

- **Collaboration** – Solidatus' collaboration model takes inspiration from Git, an industry-standard and flexible source control application. Sharing can either be on a read-only basis or permission to modify the model may be granted.

- **Display and Searching** – Solidatus has its own query language, providing the ability to structure specific and detailed searches, filters and highlights of the embedded metadata. This means that even the most complex and extensive lineage models can be clearly understood.
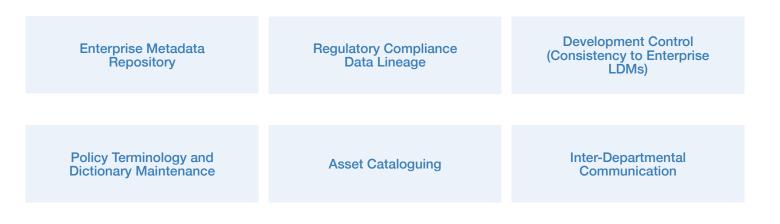

AWARD-WINNING DATA LINEAGE SOLUTION

BENEFITS

- **Break Down Silos** – In many organisations, the history of systems development has led to the creation of multiple data silos, which are maintained independently, without any over-arching control. Modelling these, and their interactions, in Solidatus provides holistic oversight and identifies possible duplication, redundancy and opportunities for rationalisation and savings.

- **Comprehension** – Accumulating complexity and inter-dependence of systems is an unfortunate corollary of business development and expansion. This makes it difficult to understand "the big picture" while also having access to the level of detail required to make decisions at the functional level. Solidatus provides insight through being able to model interdependencies at increasing granularities, providing both scope and detail as demanded by the requirements of the business.

- **Competitive Advantage** – Increasing regulatory oversight in all areas of business means that companies face ever-growing demands to provide data demonstrating compliance. The cost of this overhead may, however, be mitigated if the organisation acts proactively to use this regulatory burden as an impetus for improving business functions, as well as meeting its obligations. Solidatus data lineage models enable informed data sharing across the enterprise, leading to improved performance and efficiencies.

- **Durability** – All too often, when data lineage exercises are undertaken, the results are stored in spreadsheets of considerable complexity. These are difficult to maintain and, as a consequence, soon become out-of-date and unreliable, leading to costly re-work. The approachability of Solidatus models means that they can be maintained easily, in a central repository, by staff who do not need extensive SME support.

- **Reduce Key Man Risk** – Undocumented metadata exists only in the knowledge of experienced staff. If those staff leave, the metadata leaves with them and the company's ability to understand how its systems function is lost. This inevitably leads to degradation of corporate performance and an increased risk of costly failures. Recording metadata with Solidatus models eliminates these risks and ensures that future development can take place within a sound knowledge of existing systems and functions.

- **Promote Consistency** – All undertakings are prone to variations in terminology and usage. Eliminating confusion over terminology and maintaining consistency in organisational policies requires consensus, built on freely-available and shared metadata. This is a crucial requirement for businesses which aspire to grow, extending not only geographically but also in the range of products and services they offer to their clients. Solidatus provides that consistency, through its comprehensive metadata cataloguing features.

Enterprise Metadata Repository	Regulatory Compliance Data Lineage	Development Control (Consistency to Enterprise LDMs)
Policy Terminology and Dictionary Maintenance	Asset Cataloguing	Inter-Departmental Communication

KEY POINTS

- Understanding your data is key to your organisation's success.

- Metadata plays an important role within the data journey.

- Enterprise-wide consistent metadata, available to everyone, is vital in building an agile enterprise.

- Solidatus, through its web-based interface, is the best way to catalogue metadata.

- Solidatus will help to break down data silos and enables elimination of duplication and redundancy.

- Solidatus provides robustness and resilience, through reducing undocumented metadata.