Solidatus
for Financial Services

Case study

Solidatus for BCBS 239: Leading UK retail and commercial bank (D-Sib)

Solidatus reduced the effort required to document data lineage and DQ controls by 70% while providing an intelligently visualized, versioned, controlled data governance platform that satisfied the requirements of BCBS 239. This enabled historic data lineages to be retained for reference purposes and allowed future changes to be adequately controlled minimizing the risk of the introduction of defects. The solution clearly demonstrated the data journey of critical data used by a D-Sib, to establish the bank's risks, and how the quality of that data is controlled to provide assurance that the risk figures being used complied with the principles set out in BCBS 239.

Business challenge

The bank needed to link together its disparate data, systems and processes around the world to meet BCBS 2329 risk reporting requirements.

- The bank's risk data aggregation capabilities and internal risk reporting practices were fraught with operational bottlenecks, functional gaps and a frustrating user experience.
- Complexity was high given siloed systems, an Oracle Data Warehouse (ODW) with 30 sources, countless calculations and data transformations embedded in code, and growing volumes of critical data elements.
- The resulting data quality issues were exacerbated by an inability to run effective analytics.

The Solidatus solution

Solidatus worked with the client to implement a fit-for-purpose 'lineage first', metadata management and data quality solution:

- Within two weeks, created a Data Dictionary, automatically mapping 80% of fields and relationships using the Oracle Data Dictionary tables and tailored PL/SQL routines, and populating 20% using Solidatus' collaborative version control – complete with a full audit trail.
- Developed a column dependency table to automatically track field dependencies in the metadata so that changes flow to all dependent fields, enabling meaningful reporting. Version control also allowed for tracking of manual updates.
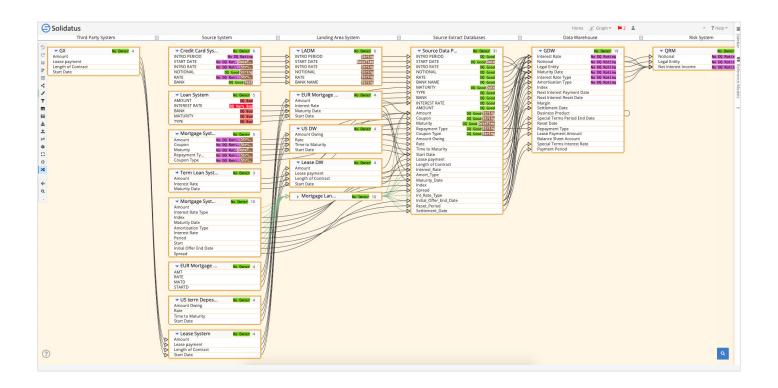- Coded data quality (DQ) rules into Solidatus to automatically notify assigned owners of exceptions.

Key benefits

- **Functional equivalence** does not equate to operational equivalence. Buy a Ferrari not a Ford.
- **Align the business functionality** and usability requirements to the product.
- **Data lineage is difficult**; the right tool can save you thousands of man hours and millions of pounds.
- **BCBS 239 principles require** an organizational shift in lineage understanding and data management.

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Results

- Developed the bank's first, comprehensive data dictionary, including automated updates to dependent fields with complete traceability.

- Improved risk reporting and provided a reference point proving outcomes to both regulators and senior management.

- Ensured the bank's Prod models were in sync with their Pre-Prod and UAT models, reducing the risk of variables in their DevOps cycle.

- Institutionalized knowledge of the ODW SME within the Solidatus solution, removing Key Person Risk.

About Solidatus

Solidatus is an innovative data management technology company, empowering organizations to unlock the true business value behind their data. Our lineage-first technology enables organizations to connect and visualize data relationships across the enterprise, simplifying how they identify, access and understand them. Launched in 2017, Solidatus is the chosen data management tool for both the regulators and the regulated. Its clients and investors include top-tier global financial services brands such as Citi and HSBC, healthcare and retail organizations as well as government institutions. Solidatus has offices in the United Kingdom, the United States and Singapore. For more information, visit **www.solidatus.com**

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