

Solidatus For the Visualisation of Complex Integration Flows: Global Pharmaceutical Organisation

CHALLENGE

One of the world's leading pharmaceutical companies undertook a project to understand their data landscape, create a single source of truth for information and meet regulatory demands. The company was made up of many different operations having acquired numerous small companies, all of which had multiple systems containing important data and information.

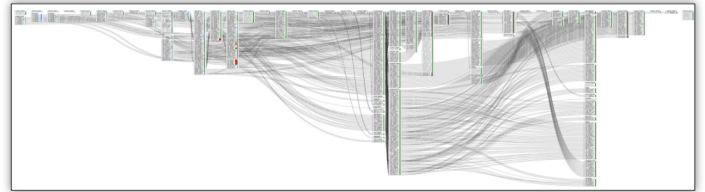
As part of a much larger global project, Solidatus was set the challenge to build a dependency map to allow the visualisation of critical cross-process dependencies which would result in a greater understanding of the data flow thereby enabling better co-ordination and synchronisation within the company. Together, we identified the five key steps to achieving this goal:

1. **Transparency:** Mapping dependencies from one system to another.
2. **Governance:** Aligning/merging control points to understand the links, establishing escalation paths.
3. **Planning:** Estimate timelines and agree critical path.
4. **Connect:** After mapping dependencies, the Solidatus graph would be enriched/layered with additional content, including ownership, data quality and regulatory obligations, eg, GDPR. Dynamic views would be created to reconcile all elements in the process for the Management Team.
5. **Improve:** Assess the process, illustrate the gaps, build consensus of the potential efficiencies. Solidatus could then be used to create a delta of change to execute future plans.

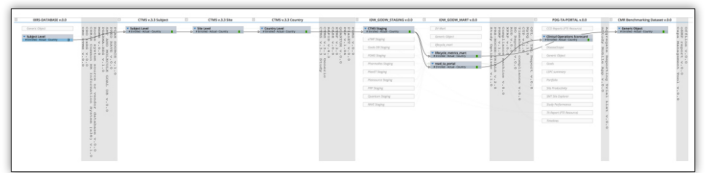
SOLUTION

Phase 1 - Harvest the known definitions and data points available catalogued in their metadata registry tool, Informatica Business Glossary; later, this would automatically update and pass to Solidatus using the API.

Phase 2 - Business analysts defined where the data points were stored in the source system and where they should be placed in the target system. Information designers then created a logical canonical domain model used to transmit the information. The developers created physical models based upon the logical models or mapped the logical models to existing physical models. Once implemented, data lineage mappings were created to verify the implementation against the design.



Model A - Illustrates how complex data flows can be shown in full.



Model B - Users can easily navigate the Solidatus graph, focus on what is important and create dynamic views.

RESULT

By using Solidatus, the company was able to improve transparency of interactions and dependencies for all process actors, reconciling multiple layers in the same place (people, control points, systems, timelines). They were able to leverage their existing data to create a baseline, identify gaps and provide clarity to the process through a common language.

Governance was enhanced by establishing appropriate control points, defining decision-making criteria and facilitating escalation paths. The impacts could now be assessed looking at downstream trickle-down effects and quantifying the impact of a change upstream on subsequent independent stages. The Management Team were able to view comprehensive insights for improvements and establishing the road map into the future. This meant that all the strategic elements including processes, people, systems, policies, regulations and information could be visualised to develop a successful plan for the future. By helping them to understand their rich data landscape, which supports their critical research into molecular biology and diagnostics, they retained their competitive edge and long-term future.

ABOUT SOLIDATUS

Solidatus is a specialised, powerful and modern data management tool. The simple, intuitive and flexible web-based application allows organisations to rapidly discover, visualise and understand how data flows through their systems and the relationships it has.