Solidatus

for Financial Services

Case study

Solidatus for workload automation:
Tier1 Global Investment Bank

A Global Investment Bank centralizing its derivative trading hardware and software into London required its regional daily batches to be merged into one global 24 x 6 batch. Each regional batch ran on local hardware and was intrinsically tied to that region's time zone and contained several thousand commands and tens of thousands of inter-dependencies.

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Challenge

A complete redesign and refactor of the regional batches into a singular global batch was required. All elements of the batch were changed including timing of jobs, servers for execution, users running jobs, job inter-dependencies, and input and output directories. In addition to the regional consolidation, an upgraded version of the batch scheduling system Control-M was also required. This requirement meant a migration of the current control files into a new version with different structure of Control-M's bespoke XML.

Analysts extracted the data from each of the batches and stored it in Excel for data manipulation. It soon became apparent that, while Excel was capable of storing the required data for the generation of the bespoke XML, it was not the best tool to perform the redesign and refactor. Too many jobs with too many dependences, content would change with no indication as to why, what or who was responsible for the change. Estimated effort rose to more than 6-man months.

Key benefits

- **Rationalize and simplify** batch jobs, reducing software and support costs.
- **Provide a centrally managed environment** that federated change to increase efficiency.
- **Improve visibility**, make information more accessible and reduce operational risk.
- **Enable 'what if' analysis** to simplify and accelerate changes to the batch process.
- **Improve service quality.**
- **Provide historical analysis** and full audit.
- **Additional support** for Autosys.

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Solution

A tool was required that could visualize the flow of commands in a graphical format. The native editor of the scheduling tool that was trialled, however, its poor visualization and editing features ruled it out as a suitable option.

Solidatus in weeks developed a Control-M parser to programmatically ingest the XML structures, a translator to e nable them to be stored in the Solidatus repository and export functionality to push them back to Control-M.

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The solution demonstrated the governance around process automation providing all of the contextual information surrounding the workload and governance control, including deltas to see who made what changes, when and why. It further allowed the organization to overlay additional business critical information like purpose, SLAs, criticality and previous issue resolutions over the top of the automated processes to enable accelerated issue resolution for support and reduced business impact.

Result

Solidatus reduced the required effort by 65%, while also providing a fully versioned, controlled and audited batch XML repository. This enabled historic batch data to be retained for reference purposes and allowed future changes to be adequately controlled to minimise the risk of the introduction of defects.
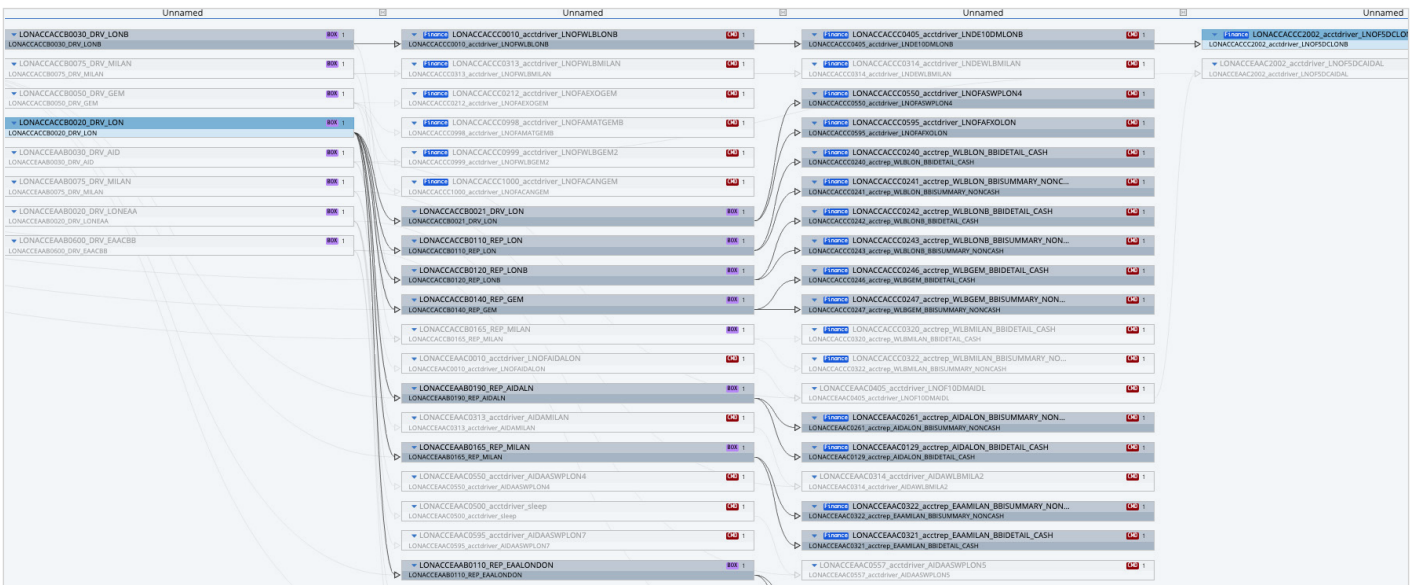
About Solidatus

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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