

CASE STUDY

GDPR Tokenization & Masking



CHALLENGE

This global financial services firm is a leader in supplying public companies with proxy and shareholder communications, annual reports and other financial documents as well as data management, mutual fund processing and fee and expense management. The client had a production data privacy use case where the data needed to be secured in Europe due to GDPR regulations, transferred to the US for processing and then sent back to Europe for use in normal business processes. They faced multiple challenges that Axis was able to address:

- The client has a global business with a data processing model that was impacted by GDPR regulations.
- Their core data processing applications run on a mainframe in the United States but their clients are located all over the globe. Configuring a new mainframe in Europe was deemed to be overkill for one use case.
- No single vendor product could solve their use case, but developing a custom solution from scratch would be prohibitively expensive and take too long!

SOLUTION

Axis developed a custom solution integrating Delphix Masking and Virtualization with Sotero Protect© to tokenize the data from Europe, ship it to the United States for processing on the corporate mainframe and then send it back to Europe where it could be de-tokenized and used by the business.

The completely automated solution included mainframe masking, creation of virtual databases from custom self-service templates, security policy configuration, application profiling and masking and Sotero API integration.

The key success factors of this project was the Axis ability to create a seamless solution using the products API's to integrate these two leading data privacy products. Axis created a repeatable, scalable data privacy solution so the client could comply with GDPR requirements without opening a new data center in Europe.

RESULTS

The Axis GDPR tokenization solution delivered outstanding results:

- Axis was able to tokenize various Swift files
- Axis created custom algorithms to implement the client's specific tokenization logic
- Axis performed CopyBook analysis and optimization to facilitate the mainframe masking and tokenization activities.
- The client was able to rapidly tokenize millions of records
- The project was delivered in less than 6 months and the client plans to apply this solution to other parts of their business.

The client was able to expand their business into the EU and sign up new customers immediately after going into production. Axis put in place a brand new business process that tokenized 100's of files in less than 6 months.

ABOUT US

Axis Technology, LLC is a leading Data Privacy Solutions firm based in Boston. We work with clients worldwide, architecting and integrating DataOps products that speed up access to secure data. Over 20 years, Axis has built a reputation as experts in Data Security solutions solving some of the largest data privacy challenges with proven process and software. For more information, visit our website at www.axistechnologyllc.com