

## CASE STUDY

# COMPLEX MESSAGING EXCHANGE PLATFORM FOR A GLOBAL DATA STANDARDS ORGANIZATION

Built the Convertor platform to enable compliance, speed and cost efficiencies through streamlined data as per the latest client standards

## Client Background

Our client facilitates fast, accurate data exchange, and efficient workflows through the development of electronic standards, standardized forms, and tools to support their use. The client engages more than 8,000 participating organizations spanning 100 countries, including insurance and reinsurance companies, agents and brokers, software providers, financial services organizations, and industry associations. The key objective included building a standard platform that could be used by Carriers/Insurers, Brokers/Agents & Vendor/Solution Providers for effective data processing from forms.

## Xoriant Solution | Key Contributions

Xoriant built a scalable AI-based platform which enables users to download, populate, extract data, and access the complete Forms library and generate intelligent forms online. Our engineering team built accelerators and enablers in the build-release processes. We also developed and integrated custom solutions to significantly improve release velocity.

Our key contributions included:

- Provided direct up/downstream systems integration by enabling Straight Through Processing (STP) of data to expedite transaction processing
- Built an extraction API which would allow the user application to submit a form and receive an XML output

## KEY BENEFITS

- Increased client satisfaction with platform capabilities to expediate and streamline processing of forms data with automated forms update and publishing
- Ensured dynamic and ongoing compliance, staying up to date with the latest client standards
- Optimized expenses and improved data accuracy by eliminating inefficient manual process
- Minimized the new form creation time from 8 months to a week by providing a single platform to create, review and approve new forms
- Enabled users with a self-service portal allowing them with additional functionality and control to create custom forms easily

- Developed a population module that allows user to submit an XML and receive the populated form
- Allowed the user to easily map fields in their custom forms using the easy drag/drop feature
- Provided the capability to download, populate, and extract data utilizing AI/ML technology while supporting different types of file formats such as JPG, TIF, PDF, Image PDF, Excel, etc.
- Enabled custom rule-based exception handling of extraction and population
- Created a dashboard page for users to view transaction metrics
- Enabled quick-access to unprocessed transactions and reprocess those after correction
- Incorporated admin control for organizations allowing them to assign the necessary roles for platform access and restrict usage
- Integration with the message exchange ESB platform for different GRLC messages and serving top carriers and brokers in the London market.

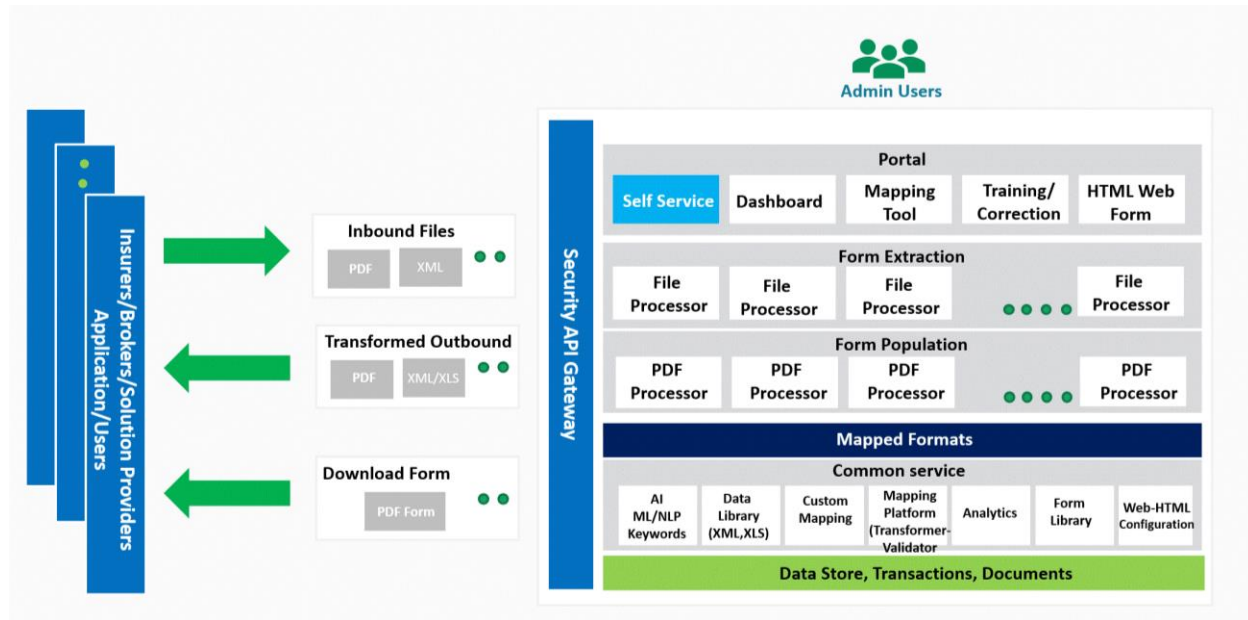
## KEY BENEFITS

- Enabled faster speed to market through online access, completion, and generation of forms
- Extracted structured and unstructured data accurately for carriers
- Allowed dynamic form mappings to automatically populate and render current form
- Enabled users with the ability to validate and retrain (AI/ML) extraction of a particular form

## Client Testimonial

“Xoriant’s solution allows us to stay compliant with the latest data standards through streamlined, integrated processes. The automated form management process has helped us minimize data accuracy challenges.”

## High Level Architecture



## Technology Stack

Python | Tensor Flow | Tesseract OCR | Java | Angular | AWS

### About Xoriant

Xoriant provides software development, infrastructure modernization & migration, data engineering, and security services for global banks, software product companies and F500 market leading enterprises. Headquartered in the U.S. with 18 global offices and 5000+ engineering professionals, we deliver technology consulting as well as onsite and offshore services. Our industry expertise spans high tech, banking & financial services, insurance, healthcare, pharma, industrial manufacturing, telecom, retail, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.