

# SOLUTION SPOTLIGHT

# TEST DATA FOR LOAN PROCESSING AND PAYMENTS

## Background

A global payment processing company serving over 300 million customers annually faced significant challenges in testing two critical applications: Loan Boarding (the process of setting up a new loan in the system) and Vendor Payments. These applications, managed by the data services team, relied on manual processes for generating fixed file formats. The data had to be extracted from the financial tables with their Finacle application environment and meticulously formatted into specific fixed file layouts. For Loan Boarding, the team needed approximately 20,000 records, with each record taking up to 10 minutes to prepare manually using macros. Similarly, the Vendor Payments application required the generation of around 7,000 records, a process that was equally time-consuming and prone to errors due to the need for manual data conditioning.

## Challenges

The data services team encountered several obstacles in their data generation processes:

1. Manual extraction and formatting of data from Finacle tables into fixed file formats for Loan Boarding and Vendor Payments.
2. Excessive time and effort required to process individual records, with each record taking 5-10 minutes to prepare.
3. Complexity in manually setting up and configuring criteria for data extraction.
4. High risk of errors and inconsistencies in the manually generated data.
5. Lack of a scalable and reusable solution to accommodate changing criteria and future data requirements.

## GenRocket Solution

GenRocket's Synthetic Test Data Automation platform provided a comprehensive solution to automate the generation of fixed file formats for Loan Boarding and Vendor Payments. The platform addressed the challenges faced by the data services team through the following key features:

### 1. Seamless Integration with Finacle

- GenRocket seamlessly integrated with the Finacle system, enabling efficient data extraction based on specific criteria.
- The platform simplified the process of setting up and configuring extraction criteria, eliminating the need for manual intervention.

### 2. Automated Data Generation

- GenRocket retrieved the required account details from Finacle and automatically generated the data in the specified fixed file formats, such as CSV, XML, or JSON.
- The automated data generation process eliminated the need for manual data conditioning, ensuring consistency and accuracy.

### 3. Scalability and Reusability

- GenRocket's solution offered unparalleled scalability, enabling the generation of thousands of records within minutes.
- The platform's reusable test data projects and test data cases allowed for easy adaptation to changing criteria and future data requirements.

## Benefits and Achievements

By implementing GenRocket, the data services team achieved remarkable results:

- **Dramatic Time Savings**  
The time required to generate records was reduced from 5-10 minutes per record to less than 5 minutes for the entire process. GenRocket enabled the generation of 20,000 Loan Boarding records and 7,000 Vendor Payment records in a matter of minutes.
- **Enhanced Data Accuracy and Consistency**  
GenRocket eliminated manual errors and inconsistencies, ensuring the generation of high-quality test data.
- **Streamlined Processes**  
The automated solution streamlined the data generation processes for both Loan Boarding and Vendor Payments, enabling faster and more efficient testing cycles.
- **Flexibility and Adaptability**  
GenRocket's flexible architecture allowed for easy adaptation to changing criteria and future data requirements, future-proofing the data services team's testing efforts.

## Conclusion

GenRocket's Synthetic Test Data Automation platform revolutionized the way the data services team approached test data generation for Loan Boarding and Vendor Payments. By automating the extraction and formatting of data from Finacle tables into fixed file formats, GenRocket significantly reduced manual efforts, minimized errors, and accelerated the overall testing process.

The platform's scalability, reusability, and adaptability empowered the data services team to generate high-quality test data efficiently, ultimately contributing to the successful testing and deployment of these critical applications. With GenRocket, the global payment processing company achieved faster time-to-market, improved data accuracy, and enhanced overall software quality.

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