Case Study

Wheels of change

Migration and co-existence testing
for a global car rental enterprise

Summary

Sonata enabled a smooth and efficient migration testing experience for a global car rental leader by ensuring seamless coexistence of legacy and modern systems, improving data quality, accelerating test cycles and enhancing reporting capabilities.

Client Overview

A leading international car rental company with a presence all over the world.

Pressure Points

With numerous backend and frontend systems developed over decades, the client needed to consolidate disparate platforms into a unified, modern system—without disrupting ongoing business operations or compromising data integrity.

Maintain historical data availability across transactional and analytical systems	Ensure that the old processes continue to operate with similar SLAs (or better)	Compare data views at all layers in the old and new systems	Ensure performance and security post-migration, besides other cross-functional features

Solutions

Sonata delivered strategic migration testing, leveraging its Testing Center of Excellence (TCoE) and industry best practices. The team ensured efficient testing cycles, precise data validation and robust performance tracking using modern tools and frameworks.

Applied migration testing best practices with reusable TCoE assets	Enabled 24/7 testing through a globally distributed team	Created detailed data mapping documentation to ease test data preparation and debugging
Utilized Micro Focus ALM for strategic test management	Conducted thorough API testing using Postman to validate functionality, performance and security	

Results that Speak Volumes

Accelerated test execution cycles across time zones	Improved data quality and traceability for vehicle entities	Simplified defect isolation through advanced test orchestration	Enhanced developer collaboration through accurate data mappings
Quantified and qualified reporting on APIs			