

HEXAWARE

Enterprise Data Infrastructure Testing for Loan Accounting

Enhancing loan data accuracy through
automation-driven testing solutions
and integrated data stores.

Case study



Client

- | Client
- Challenge
- Solution
- Benefits
- Summary

A secondary mortgage provider in North America sought to enhance its enterprise data infrastructure testing capabilities. The organization aimed to integrate diverse subject areas into a unified platform, enabling a near real-time, holistic view of single-family loan data. This transformation was essential for improving accounting, processing, and reporting across the loan data lifecycle.



Challenge

Client

Challenge

Solution

Benefits

Summary

Business Challenge

The absence of an integrated data store posed a significant risk to business decision-making. The client required a solution that could consolidate data from multiple sources, ensuring seamless processing and enhanced reporting of single-family loan data.

Testing challenge

The infrastructure testing process faced several complexities:

- Extracting data from various source systems through interfaces such as Enterprise Service Bus (ESB), Electronic Claim File (ECF), flat files, database pull, etc.
- Conducting parallel testing in the waterfall model.
- Managing aggressive deadlines and enhancement implementation on short notice.



Solution

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Hexaware implemented an enterprise-wide data quality validation framework to support the organization's transformation initiative. The solution included:

Enterprise Solution-Integrated Data Store

- **Electronic Data Interchange (EDI) Security Master:** A centralized platform for security data to support all business processes.
- **EDI Loan:** A single source for integrated loan data to drive strategic initiatives and business analytics.
- **EDI Party Master:** A master data management (MDM) solution for governing business content and optimizing data vending patterns.

Enterprise Data Infrastructure Testing Coverage

- **Comprehensive Data Validations:** 100% validation coverage from source to target, aligned with business requirements and stakeholder expectations.
- **Master Data Management and Data Corrections:** Functional validation of MDM tools such as Informatica Data Director (IDD) and Rectify to ensure data integrity.
- **Data Quality Assurance:** Profiling and validation of 42+ interfaces, enforcing stringent data quality rules across the infrastructure.
- **Vending and Operational Reports:** End-to-end testing coverage to ensure accuracy and consistency in reporting.

Through this strategic initiative, Hexaware enabled the client to streamline enterprise data infrastructure testing, ensuring high-quality, reliable data for business-critical decision-making.



Benefits

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Hexaware’s solution delivered significant efficiency gains and cost savings through automation and robust testing methodologies. Key benefits included:

- **Enhanced Testing Efficiency:** Implemented automation, reducing manual effort and cutting person hours by 60%.
- **Increased Productivity:** Optimized resource utilization, ensuring consistent productivity gains across the testing process.
- **Quality Assurance:** Maintained high-quality standards by executing 7,403 test cases, identifying and resolving 1,826 defects efficiently.
- **Time Savings:** Automated processes led to 1,491 hours saved, accelerating project timelines.
- **Cost Optimization:** Achieved \$125K savings through customer value adds, directly benefiting business operations and strategic decision-making.



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Hexaware streamlined enterprise data infrastructure testing for a leading secondary mortgage provider, enhancing loan accounting and reporting. Through automation, the initiative reduced manual effort by 60%, saving 1,491 hours and \$125K in costs. With 7,403 test cases and 1,826 defects resolved, the solution ensured data quality and operational efficiency.



About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up with a singular purpose: to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate.

With offices across the world, we empower enterprises to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes.

Learn more about Hexaware at www.hexaware.com.

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