

Case Study: Top-10 bank

One of this customer's most critical business processes is issuing personal loans. The IT architecture upon which this process is based is a collection of interrelated information systems that support the process, from the submission of a credit application to the making of a decision on the application and the issuance of money to the customer.

Changes to the IT systems in the loan processing system affect the bank's other systems. Accordingly, to the extent possible, the bank needed to reduce the time required to test the loan processing system.

The bank's problem was that different IT system components that required testing were developed using different technologies, and there is no tool on the market that is equally suited to testing them all.

Performance Lab's solution

Our project included the creation of a unified test automation system for the entire lending process.

A business-logic module made it possible to store the test execution logic separately from the tests' technical implementation. This module lets bank employees change existing tests and add new tests, without the need for special technical skills.

At a technical level, the system uses several tools, such as TestComplete and SQA Suite. The system launches a particular tool based on the technology employed at each step of the testing.

One of the project's tasks was for Performance Lab engineers to develop a TestComplete extension that would allow it to be used to test Oracle Service Bus technology.

Customer benefits

Thanks to the automation of more than 200 tests, the time required for regression testing the lending business processes shrank from two days to two hours.

The project allowed the bank to raise the overall effectiveness of the testing process. For example, the test automation module responsible for preparing test data found application in many other testing projects.

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