

QA services for a leading bank

Automated regression and performance testing that removed the need for human intervention.

Industry: **Banking**

*Image for illustrative purposes only

Summary

Introduction of automation tools to increase regression and performance testing at a leading bank, resolving quality bottlenecks that affected production deployments.

Key challenges

- The client experienced continuous setbacks due to a lack of regression testing.
- No performance testing was conducted; with more than 10,000 simultaneous users the system would lock up.
- There were no API tests as part of the quality process.
- A team of 40 people could not run 400–500 test cases daily without standardized processes under good practices (ISTQB).

Approach

A team of 5 automation consultants and one automation architect was brought in to execute and automate more than 400 test cases, including functional, API (REST and SOAP), and performance testing. Novacomp understood the bank's business process flows to execute test cases, and the automated regression framework now runs continuously through Selenium, working as a robot-style workflow.

Results

- All production code releases now go through the Novacomp Framework.
- Significant increase in implementation and testing reliability; scalability was introduced to the bank.
- Cluster-style mobile testing across multiple devices, versions, connections, and resolutions.
- Automated cross-browser testing, providing stability to web applications.
- Novacomp provides quality control services for the bank's offices in Canada, Mexico, and Panama.

Technologies used

Selenium	Git	JIRA
JMeter (performance)		TestNG
Postman	Appium (mobile)	API testing
DevOps CI/CD	Gating (performance)	
Continuous Integration		SQL Server



Conclusion

Automation completely eliminates the need for human involvement in the testing process, providing stability and scalability to the bank's operations.