Transforming Continuous Testing
for the Banking and Financial Services Industry
with UiPath Test Suite

UiPath has made it easier than ever for commercial and consumer banks to fully maximize their enterprise automation capabilities. Building on its status as a leader in financial services and banking automation, UiPath consistently looks for ways to help banking customers transform their organizations through automation—including automating the testing process with UiPath Test Suite.

In the banking industry, IT teams spend an average of 30% to 40% of their budgets on testing, according to reports by the National Institute of Standards and Technology (NIST). Additionally, over 80% of testing efforts are devoted to manual testing, which can be time-consuming and error-prone. While banks recognize the benefits of test automation, legacy testing solutions can be difficult to automate, and many automated testing tools have a low ROI because teams don't use them post-implementation. Furthermore, 46% of businesses in the banking industry struggle with test data management as banks must ensure that any customer financial data is properly masked and secured. Plus, they need to make sure that their applications comply with a range of financial regulatory requirements.

Enter UiPath Test Suite, the resilient testing solution powered by the UiPath Business Automation Platform. UiPath Test Suite can help banking organizations deliver high-quality and secure banking services through automation-led testing. With the end-to-end UiPath Business Automation Platform, banks can ensure that their applications follow regulations and accurately process customer data. UiPath customers have reduced test cycles by as much as 50%, improved automated test coverage by two to three times, and reduced overhead costs by up to 30%. The UiPath Platform is also purpose-built for enterprise automation. It features reusable component libraries that organizations can share across test, IT, and business process automation teams.

An easy-to-learn, low-code approach empowers testers to create their own test automations, which frees up application developers for other mission-critical work. UiPath Test Suite also integrates seamlessly with your existing testing tool landscape and can interact with any type of application. These capabilities allow you to test full-scale, end-to-end processes across legacy applications, desktop applications, modern browser applications, and consumer banking mobile applications.

After 20+ years, the time has come to stop paying the testing tax

30-40%
of a typical banking IT budget is allocated to application testing

80%
of testing is manual in the banking industry due to the complexity of banking application environments

50%
of total software development time in the banking industry is spent on testing

What makes UiPath different?

CBS (core banking system) upgrades and migration projects

Many banks have invested heavily in developing and maintaining their core banking systems, as these systems are essential for providing high-quality banking services to customers. Core banking systems are subject to strict regulatory oversight because they are responsible for managing customer data and financial transactions. Therefore, banks need to ensure the quality and reliability of core banking systems with extensive testing. Additionally, testing is typically required before any updates or changes can be made to the system.

UiPath Test Suite and the full UiPath Platform can be used to automate various testing, data migration, user training, and process optimization tasks during CBS upgrades or migration projects. For instance, UiPath Test Suite can be used to automate functional and regression testing of common CBS applications such as Oracle FLEXCUBE, Temenos Transact, Finastra FusionBanking, Infosys Finacle, FIS, nCino, and Jack Henry (to name a few), ensuring that the system works as expected. The UiPath Platform can also automate data migration tasks, minimizing the risk of errors and providing accurate migration of sensitive customer data. Post-migration, teams can use the UiPath Platform to automate the creation of training materials and tasks, reducing training time and improving end user adoption. In addition, the UiPath Platform can optimize workflows related to change management, project management, and reporting, thereby streamlining the project and reducing costs.

190+ supported technologies: modern and legacy

CBSs are never standalone applications. The range of applications across corporate banking, capital markets, and retail banking can vary widely, from legacy mainframe applications to databases to modern cloud-based systems, including everything from customer-facing mobile applications to complex trading platforms. The UiPath Platform can automate and test them all—it supports more than 190 different UI (user interface) and API technologies with a single workflow designer that doesn't require programming skills. By combining native integrations with flexible API consumption and industry-leading UI automation capabilities, UiPath Test Suite can test a virtually limitless set of target applications.

UiPath automation capabilities for mobile and cross-browser applications

Modern consumer trends demand that banking applications be compatible with all browsers and mobile devices. UiPath Test Suite offers banks a single tool that can automate functional, integration, and regression testing across mobile applications and web browsers, without the need for complex integrations or custom scripts. UiPath leverages advanced image recognition and machine learning technologies to ensure high accuracy and reliability, even in complex and dynamic environments.

Anonymize consumer and financial account test data for data-driven testing

The UiPath Platform enables banks to create anonymized test data, update test environments with that information, and consume the data in data-driven testing. The solution uses advanced automation technologies to extract, transform, and load data from various sources, creating a realistic test environment with the synthetically-generated sensitive financial data that ensures data privacy and compliance with industry regulations. Data-driven testing with UiPath allows test robots to consume data dynamically to test multiple scenarios. If tests fail, test environments can be quickly reset such that test scenarios can be re-executed to ensure robust testing of applications.

Accurate banking when customers need it

Banking applications are also expected to be up and running 24/7 with high performance. Software upgrades, instant fixes, and so on, can't be allowed to impact this availability.

The UiPath Business Automation Platform can help address the challenges of tight test timelines while ensuring regulatory compliance, improving accuracy, and reducing fraud and abuse.

Automating testing with UiPath Test Suite can help banks deliver high-quality, accurate, and secure banking services for their customers.

UiPath Test Suite is part of a converged automation platform

UiPath Business Automation Platform

Discover
Continuously uncover opportunities for process and task improvements helping you identify the highest ROI areas

| PROCESS MINING | TASK MINING | COMMUNICATIONS MINING | IDEA CAPTURE & MANAGEMENT |

Automate
Get more done with a digital workforce that seamlessly collaborates with your people and automates work via UI and API, powered with native integrated AI

| LOW-CODE DEVELOPMENT | UI & API AUTOMATION | PROCESS ORCHESTRATION | INTELLIGENT DOCUMENT PROCESSING | INTEGRATED NLP & AI/ML |

Operate
An enterprise-grade foundation to run and optimize a mission critical automation program at high scale

| ANALYTICS | CONTINUOUS TESTING | UNIFIED MANAGEMENT & GOVERNANCE | FLEXIBLE DEPLOYMENT |

Your Processes	Your Applications	Your People
	Systems of record – ERP, CRM, HCM	Communications and Collaboration	Personal Productivity	

ORACLE FLEXCUBE   FINASTRA   FIS   jack henry

TEMENOS   Infosys Finacle   ncino

3-5x	**90%**	**3x**	**70%**	**30-40%**
More Automation Development	Automation Rates	Faster Release Speed	Component Reuse	Cost Reduction