

UiPath Business Automation Platform for Healthcare Testing



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

Healthcare IT Teams spend an average of 7% of their budgets on testing, and devote over 80% of that budget to manual QA (quality assurance) testing. While most healthcare organizations want to automate testing, automating the testing process with legacy testing solutions can be tricky. Many automated testing tools can have a low ROI because teams probably won't use them post-implementation. Furthermore, patient test data must be masked and compatible with complex EMR (electronic medical record) environments. So how can healthcare IT teams effectively tackle these challenges?

Meet UiPath Test Suite—the resilient testing solution powered by the UiPath Business Automation Platform. UiPath Test Suite empowers healthcare organizations to deliver high-quality and secure patient care through automation-led testing. With the full UiPath Platform, healthcare providers can ensure that their systems comply with regulations and accurately process patient information. Thanks to its low-code interface, almost any analyst or tester can develop and maintain test automations. 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% with Test Suite. They've also automated the generation of patient test data as well as the maintenance of test environments. Plus, the UiPath Platform is 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 equips testers with the ability to create their own test automations, which frees up application developers for other mission-critical work. UiPath healthcare accelerators are customizable, allowing teams to seamlessly tailor automations with their existing EMR ecosystem for a smoother development process. The accelerators are compliant with healthcare industry standards and regulations, such as HIPAA and HLT, guaranteeing the security and protection of patient information.



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

80%

of a typical healthcare IT test budget
is allocated to manual testing
labor costs

78%

of healthcare organizations still
depend on manual testing to
uncover critical defects

20%

of healthcare IT teams claim
testing as the #1 bottleneck for
software delivery
(HIMSS 2020 survey)

What makes UiPath different?



Electronic medical record upgrades and migration projects

UiPath Test Suite and the full UiPath Platform can be used to automate various testing, data migration, user training, and process optimization tasks during an EMR upgrade or migration project, such as the move from Epic Hyperspace to Epic Hyperdrive. With UiPath Test Suite, healthcare organizations can automate functional, performance, and regression testing to ensure the system works as expected. The UiPath Platform can also automate data migration tasks, reducing the risk of errors and ensuring migration accuracy for sensitive patient and claims information. Teams can also automate the creation of training materials and training tasks with the UiPath Platform, reducing training time and improving end user adoption. Additionally, the UiPath Platform can optimize workflows related to change management, project management, and reporting, thereby streamlining the project and reducing costs. Overall, UiPath automation capabilities can improve the efficiency and effectiveness of EMR upgrade and migration projects, while also improving the quality and reliability of the resulting system.



UiPath automation capabilities for Citrix

UiPath automation capabilities allow businesses to automate processes that require interaction with virtualized or remote environments, such as Citrix. Healthcare organizations can automate tasks like data entry and extraction, as well as application testing within these environments, without the need for complex integrations or custom scripts. UiPath Remote Runtime extension is certified as Citrix Ready and leverages advanced image recognition and machine learning technologies to ensure high accuracy and reliability, even in complex and dynamic Citrix environments.



Anonymize patient test data for data-driven testing

The UiPath Platform enables payers and providers to create anonymized test data, update test environments with that data, and consume it 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 synthetically-generated patient data that protects patient privacy and complies with industry regulations. Data-driven testing with the UiPath Platform allows test robots to dynamically consume data 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.



190+ supported technologies + healthcare accelerators

EMRs are never standalone applications. They require test automation of business processes across the entire enterprise. The UiPath Platform can automate and test 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 (via Integration Service or the HTTP request activity) and industry-leading UI automation capabilities, UiPath Test Suite can test a virtually limitless set of target applications.

UiPath healthcare accelerators are a set of prebuilt automation workflows, activities, and integrations that are designed specifically for the healthcare industry. These accelerators can help healthcare organizations automate a range of processes, including patient registration, insurance verification, claims processing, revenue cycle management, and more.



Reduce claims errors and increase member satisfaction

The UiPath Platform can help address common challenges faced in claims management processes, such as ensuring HIPAA compliance, improving accuracy, and reducing fraud and abuse.

With unreliable accuracy and slow processing times, claims management can negatively impact member satisfaction. However, using automated tools can help increase efficiency and reduce the cost-to-claim, ultimately resulting in cost savings for the organization.

By automating testing with UiPath Test Suite, healthcare organizations can help prevent overpayment or underpayment, as well as make sure that claims processing systems are operating as expected. Through detecting potential areas of abuse, organizations can improve fraud prevention measures.

UiPath Test Suite is part of a converged automation platform



UiPath Business Automation Platform



Discover
Process and Task
Mining



Manage
Test Management



Automate
Test Automation



**Business Process
Automation**



Operate
Orchestration



Run
Test, Attended, and
Unattended Robots

End-to-End UI and API Automation

Automation Cloud



Hybrid



On-premises



Epic

ORACLE Cerner

 **Allscripts**

MEDITECH

3-5x

**Automation
Development**

90%

**Automation
Rates**

3x

**Release
Speed**

70%

**Component
Reuse**

30-40%

**Cost
Reduction**



For more details, please visit us at:

<https://www.uipath.com/solutions/industry/healthcare-automation>

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