

# UiPath Test Cloud for healthcare organizations:

## Agent-driven testing to improve quality, reliability, and patient safety

Healthcare software testing teams face constant change: Electronic Healthcare Record upgrades, regulatory updates, interoperability requirements, and growing system complexity. Yet quality assurance often remains manual, fragmented, and slow.

QA teams struggle with heavy reliance on manual and DIY testing, highly integrated systems where changes trigger downstream regressions, strict test data constraints driven by PHI risk, and virtualized or legacy technologies such as Citrix and VDI. At the same time, performance and reliability issues can directly disrupt clinical workflows, raising the stakes for every release. As a result, testing becomes a bottleneck rather than a safeguard.

## A smarter, governed approach to healthcare software testing.

UiPath Test Cloud brings healthcare QA forward using agentic testing, where AI assists testers throughout the testing lifecycle while humans remain firmly in control of validation, governance, and release decisions. Rather than replacing testers, Test Cloud empowers teams to reduce repetitive manual effort, keep tests resilient as applications change, expand coverage across complex healthcare systems, and integrate testing into existing DevOps and ALM workflows. Test Cloud supports both cloud-based and on-premises deployments, allowing healthcare organizations to align testing with security, data residency, and operational requirements.



# More coverage. Less effort. Greater confidence.

UiPath Test Cloud applies agent-driven (agentic) capabilities to help healthcare teams increase test coverage and reduce maintenance overhead, without sacrificing oversight or compromising compliance. Unlike point testing tools, Test Cloud brings functional, performance, and integration testing together across healthcare systems, so teams can validate real end-to-end workflows instead of isolated applications.

The capabilities below support the full testing lifecycle, from design and execution to maintenance and performance validation, especially during EHR upgrades, integrations, and large-scale healthcare system change, while keeping humans in the loop at every step.

## Agent-driven test design and maintenance.

AI-assisted test creation and recommendations help accelerate test development, while self-healing automation adapts to UI and application changes. Human review and approval are built into the workflow to ensure accuracy and control.

## Broad healthcare technology coverage.

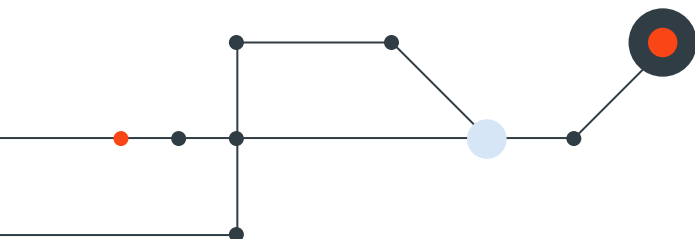
Test Cloud supports testing across web, desktop, API, mobile, Citrix and VDI, SAP, mainframe, and packaged healthcare applications. Both low-code and coded automation approaches are supported, enabling teams to scale testing across skill levels.

## CI/CD and lifecycle integration.

Test Cloud integrates with common DevOps and ALM tools such as Azure DevOps, Jenkins, and ServiceNow, enabling continuous testing without disrupting existing delivery processes.

## Governed testing for regulated environments.

Test Cloud includes enterprise-grade access controls, auditing, and encryption. It supports test data practices such as synthetic data generation and anonymization patterns, helping healthcare teams apply governed testing practices used to meet internal security, privacy, and compliance requirements.



## Scalable functional and performance testing.

Teams can execute large regression suites and perform performance validation to ensure healthcare systems remain reliable during major releases and upgrades, while keeping infrastructure simple.

## Proven outcomes for healthcare QA teams.

Healthcare organizations using UiPath Test Cloud report faster regression cycles during EHR upgrades, reduced test maintenance through agent-driven self-healing, expanded coverage across integrated and virtualized environments, and improved confidence in release quality and system reliability. In large provider environments, teams have used Test Cloud to shorten upgrade validation timelines and scale coverage without adding QA headcount.

Results are based on customer-reported outcomes and vary by organization.



## Deliver safer healthcare software without slowing innovation.

By combining agent-driven testing with human oversight, UiPath Test Cloud enables healthcare teams to keep pace with change while protecting what matters most: patients, clinicians, and trust.

**Learn how UiPath Test Cloud helps healthcare organizations scale quality with confidence:**

**UiPath Test Cloud**

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