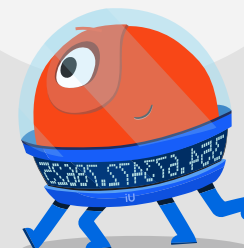


Agentic Testing

Augmenting testers with AI agents for greater productivity

Ingo Philipp, UiPath



AI isn't just the future of software testing—it's already here!



The question is no longer if AI is critical for software testing, but how fast you can make it work



The flirting is over—AI is deeply embedded in testing

UiPath® Test Cloud™

Augmenting testers with AI agents for greater productivity



UiPath Agentic Testing



Performance testing | Functional testing

Test design

Change impact analysis
Test gap analysis
Test documentation

Test automation

UI & API automation
x-platform & x-browser
Version control

Test execution

CI / CD integrations
Manual & exploratory
Self-healing execution

Test management

ALM tool integrations
Test data management
Reporting & analytics

FOUNDATION

Security & governance

Production-grade architecture

Low-code & pro-code

AI trust, context, models

Test across all major platforms, interfaces, and ecosystems: web, desktop, mobile, API, mainframe, SAP, and more

Test 190+ technologies, including:



The future of testing is robotic and agentic

Left Brain

Here, we automate systematic, rule-based, narrow, task-oriented, and step-by-step efforts in software testing

The testing we know

Right Brain

Here, we automate intuitive, stochastic, broad, goal-oriented, and non-linear efforts in software testing

Where testing is going

Where our built-in AI meets your tailor-made AI



Agentic Testing, Out of the Box

Out of the Box

Harness a broad collection of built-in & customizable AI across the testing lifecycle

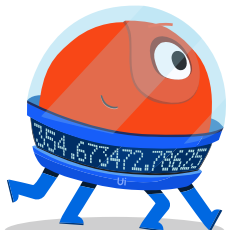
UiPath Agents

Agentic Testing, Built Your Way

Built Your Way

Build your own AI agents tailored specifically to your unique testing needs

Your Agents



Agentic Testing means augmenting testers with AI agents to extend, accelerate, and simplify their work—ultimately helping them be more productive and find greater joy in testing

Out of the Box: Assisting testers from start to finish with **Autopilot**



Detect obsolete tests ²⁰²⁵	Search UiPath documentation ^{24.10}	Self-heal test automation ²⁰²⁵	Plan, build, analyze load test scenarios ²⁰²⁵
Identify tests requiring updates ²⁰²⁵	Generate low-code test automation ^{24.10}	Fix validation errors in test automation ^{24.10}	Generate recurrent test reports ²⁰²⁵
Generate tests for SAP transactions ^{24.6}	Perform fuzzy verifications ^{24.6}	Generate UI & API test automation ^{24.6}	Search project in natural language ^{24.10}
Generate tests for requirements ^{24.6}	Generate synthetic test data ^{24.6}	Refactor test automation ^{24.6}	Import manual test cases ^{24.10}
Quality-check requirements ^{24.6}	Generate coded test automation ^{24.6}	Generate expressions ^{24.6}	Generate test insights reports ^{24.6}

Test Manager

Studio

Studio

Test Manager

Test Design

Test Automation

Test Management

AI Trust Layer - Usage Auditing, Cost Control, Context Grounding (RAG), Feature Governance, Content Filtering, PII Masking

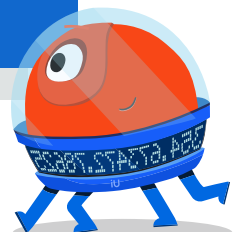
Built Your Way: Building productivity boosters for testing with Agent Builder



Data Retriever	Bug Consolidator	Stability Inspector	Duplicate Finder
Helps finding test data for exploratory testing sessions in databases	Identifies distinct bugs behind failed test cases after nightly test runs	Identifies flaky tests, repeatedly failing tests, and false-positives	Analyzes test cases in test project to detect redundant test cases
Testing Drone	Result Messenger	Compliance Checker	Resource Scanner
Crawls website, runs checks (latency, spelling), and reports results	Fetches test results, summarizes them, and emails stakeholders	Finds test cases that do not adhere to best practices	Finds resource-intensive or slow automated tests to parallelize execution

Build what you need, whenever you need it, your way

Each agent delivers focused value, and at scale, their combined value streamlines & accelerates testing



Agentic Testing is real—it's delivering real value to real customers today



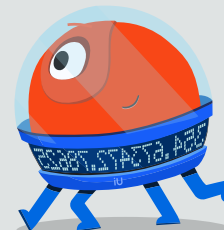
“ At Cisco, our GenAI testing roadmap centers on leveraging UiPath LLM capabilities throughout the entire testing lifecycle, from creating user stories to generating test cases to reporting, while ensuring seamless integration with code repositories. By using synthetic data and GenAI technologies, we've significantly reduced our reliance on production data, creating test data in real-time and simplifying our testing framework. With the power of Autopilot, we're equipped to **eliminate manual testing by 50%** reduce the tools used in our testing framework, and reduce dependency on production data for testing.

Rajesh Gopinath, Senior Leader, Software Engineering, Cisco





Swing by our website for
more secrets and surprises
about all things Test Cloud



Brandon McCormick – State Street Alpha

Global Head - Alpha Services Testing, Managing Director



My automation philosophy:

Automation is a mindset and a journey. Success in this space requires a long-term strategic vision, clear and quantifiable objectives, and a well-designed operating model - people, tools, and processes.

- Complex platform comprised of multiple applications and services
- Highly configurable client facing applications
- Large scale, complex, and fast paced operating environment
- Rapidly evolving platform capabilities

Business challenge

- Nationalized and created a taxonomy for global inventory of test cases
- Established centralized automation team
- Automated global inventory of test cases
- Autopilot proof of concept to automate creation of test cases from business solutions

Solution

- Team excitement and professional development opportunities
- Significant reduction in test case execution time
- Risk mitigation due to broader and deeper test coverage
- Contribution to the overall bottom line

Outcome

Get in touch with us

Ready to explore Agentic Testing? Let's get started.

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