

PRODUCT BRIEF · AGENTIC QA FROM EPAM

QA That Adapts as Fast as Your Software Does.

An autonomous agent network plus an embedded EPAM quality team — full-journey coverage, less maintenance, no scripts to babysit, and EPAM testing expertise in your corner.



Why Agentic QA?

Most QA practices run on a mix of manual and automated testing — for good reason. Manual testing brings human expertise, intuition and judgment; automation brings speed, precision and scale. The two work best together. But even a strong combination has a ceiling.

Manual testing is hard to scale affordably. Traditional automation is brittle — it breaks when the software changes and demands constant maintenance that pulls your team away from finding and fixing real defects. The result: rising maintenance costs, coverage gaps, slower releases and more risk reaching production.

Agentic QA **raises that ceiling**. An AI-native agent network autonomously explores user journeys, reasons about what it sees, decides next steps, executes, validates and explains its results — with no brittle scripts to maintain. Delivered as a managed service, it aligns to your SDLC, integrates with your stack and scales with your needs.

WITH AGENTIC QA, YOU CAN:



Retire brittle scripts. Adaptive agents automatically recalibrate and update in response to UI changes.



Cover full journeys. Autonomous navigation, not just narrow happy paths.



Speed release decisions. Checks that run on demand, overnight, 24/7/365.



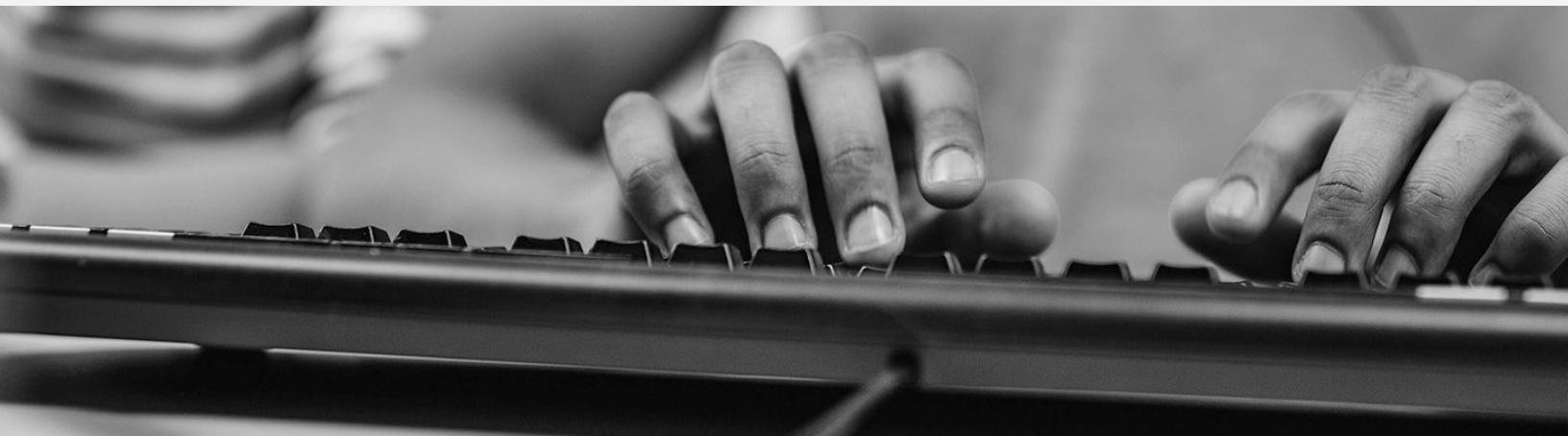
Stay in control. Open standards — MCP tools and your choice of LLM.



Deploy your way. Hosted by EPAM or on-premise on Kubernetes.



Augment your team. Embedded EPAM Test Leads and AI engineers.



What Sets Agentic QA Apart

Agentic QA is differentiated by how it approaches testing — not just by the fact that it uses AI.

ADAPTIVE, NOT SCRIPT-BOUND

Traditional automation leans on brittle scripts and selectors that fail when the UI or content changes. Agentic QA executes intent-driven flows, interpreting application state and adjusting execution in real time.

OPEN AND INTEROPERABLE

Interoperability is the point, not a feature. Drive checks from the tools your teams already use through MCP, bring the LLM you prefer, and extend the toolkit as needs change. Today's choices never become tomorrow's constraints.

ENTERPRISE-GRADE DELIVERY

Backed by EPAM's global quality engineering organization and the Test IO team's 15+ years in the QE/QA space, with established governance and proven enterprise integration — delivered within EPAM's AI/Run™ ecosystem.

SYSTEMS BEAT TOOLS

This isn't a tool you install and babysit. It's a managed service — an agent network plus a forward-deployed EPAM quality team who become members of your QA organization.

HUMAN + AI, INTENTIONALLY BALANCED

Agentic QA augments human testers — it doesn't replace them. It automates repetitive work at scale and frees your people for judgment, exceptions and risk-based decisions. AI as collaborator, not competitor.

BUILT FOR REAL-WORLD CHANGE

Purpose-built for frequent releases, dynamic localized content and high release velocity — exactly where traditional automation becomes most costly to maintain.

UNDER THE HOOD



Natural-language objectives

Define checks in plain language; the system plans, executes and validates.



Interoperability via MCP

Run checks from tools like Claude, Cursor or VS Code; extend with your own.



Browser control & visual intelligence

Chromium, Firefox and Safari WebKit, with Omniparser visual detection.



Transparent & reproducible

Detailed logs, screencasts and execution context for fast triage.

10x*	90%*	50%*
Efficiency	Relative Coverage	Maintenance Savings

* Figures from internal Agentic QA pilots; results vary by application, test scope and engagement.

HOW YOU BENEFIT

- **Lower maintenance cost.** Short-lived scripts give way to adaptive agents that self-update.
- **Higher test coverage.** Autonomous navigation expands coverage across real user journeys.
- **Flexible deployment.** Run hosted by EPAM or on-premise on Kubernetes to fit your controls.
- **Faster time to feedback.** Agents explore and execute rapidly to speed release decisions.
- **Right-fit, no lock-in.** MCP tools and swappable LLMs leverage your existing investments.
- **Team uplift.** EPAM Test Leads, Prompt Engineers and AI Engineers upskill your QA practice.

NEW · NOW AVAILABLE

Introducing Agentic QA Replay

Want more control over your time and token spend? Meet Agentic QA Replay.

Agentic QA Replay records successful checks and replays them — executing the exact same steps without requiring full AI reasoning. The agent follows the proven path, delivering up to **6x acceleration** and better-optimized token spend.

Replay joins a cohort of recently released features: **Data-Driven Testing**, **AI Check Generation**, **updated Reporting & Analytics**, and **expanded support for integrations and third-party ecosystems**.

WHERE IT FITS BEST

Agentic QA is strongest where traditional regression has become a bottleneck rather than a safeguard:

Frequent releases & constant UI / content change

High manual effort re-validating known flows

Automation fatigue — flaky results teams don't trust

Coverage gaps in critical journeys

Browse-to-checkout, account, localized experiences

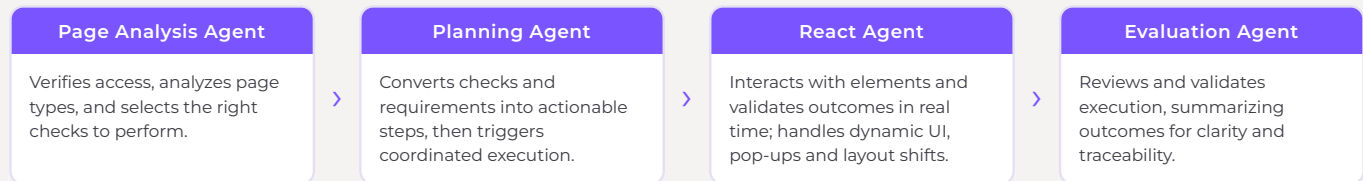
Faster delivery without growing QA headcount

A pragmatic, governed first step into AI-driven QA

HOW IT WORKS

A Coordinated Network of Purpose-Built Agents

Agentic QA is an AI-native solution that deploys purpose-built agents to bridge automation and manual testing — delivering comprehensive outcomes with relentless speed and precision. Each agent owns one job; together they explore, plan, execute, watch and verify.



WORKING ALONGSIDE THE EXECUTION LOOP



Powered by DNA — a small language model trained on Test IO's years of crowd-testing data — used for exploratory testing and issue generation across the whole network.

[MCP Playwright](#)
[LangGraph](#)
[OmniParser](#)

Because the network speaks MCP and is model-agnostic, you can drive these agents from the tools your teams already use and pair them with the LLM you prefer — the same open posture described on the previous pages, now visible in the architecture.

WHERE TO APPLY IT

Most teams reach for **regression** first — and it's excellent there. But the same agent network is equally at home across the rest of your test spectrum. Point it wherever coverage is thin:



GET STARTED

The Agentic QA Advantage

Agentic QA brings together human ingenuity, an autonomous agent network, and EPAM's engineering and AI ecosystem to deliver what static automation can't: testing that adapts as fast as your software does — protecting your releases, your team's time, and your customers' trust.

See Agentic QA from EPAM on your stack.

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TEST IO

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