Digital.ai Continuous Testing

Product Brief

digital.ai™

Digital.ai Continuous Testing

Deliver high-quality applications with testing executed at speed and at scale.

Organizations are continuing to integrate continuous testing into their delivery pipelines. The goal is to automate testing, reduce the complexity of continuous software testing and avoid integrating and managing other specialized tools. The demand for optimally performing apps, and faster product releases, is driving the change as organizations emphasize improving the user experience while enabling their own digital transformation.

The continuous expansion of digital transformation both challenges and enables business execution. QA and testing teams are adopting processes and tools to integrate continuous testing into the entire SDLC to better identify and eliminate defects during development. Challenges arise when bottlenecks in the process lead to development and release setbacks.

As continuous testing methods continue to be adopted by organizations, choosing the right tool to coordinate across teams and align processes is essential. Increasing communication and collaboration across stakeholder, developer, and testing teams will help improve web and mobile app quality while increasing release velocity.

Continuous Testing is an essential part of the SDLC, that must be used to help web and mobile apps get to market faster while eliminating defects along the way

Challenges

- Shorter development cycles mean that testing bottlenecks can delay the time to market
- Fragmented testing environments and tools impact release quality and velocity
- Test coverage must be maintained in the face of changing requirements
- Defects need to be discovered early in the development cycles
- Communication between stakeholders and testing teams needs to be open and consistent

The latest Continuous Testing features and functionality aim to save time and increase quality by simplifying test creation and development and putting that power in the hands of non-coding team members. The intended outcome of this development is to improve communication across teams for improved collaboration and productivity.

Digital.ai Continuous Testing takes a Shift-Left approach to test development, management and analytics. The result is a platform that connects software development and delivery efforts to business outcomes.

Digital.ai Continuous Testing

Deliver high-quality applications with testing executed at speed and at scale.

Digital.ai Continuous Testing is a manual and automated testing solution with capabilities that cover functional, performance, and accessibility use cases. All testing including performance, network, and accessibility is executed within the context of functional testing and the solution is easily scalable for faster feedback. Testing is executed via real devices in the testing cloud (on-premise, SaaS) that supports global teams across multiple regions. Cloud managers have oversight and visibility into test resources by distributing devices per team, project, and user. When combined with the Digital.ai Continuous Testing Lens users can seamlessly collect, and analyze, standardized metrics to present actionable insights and root cause analysis.

When implemented Digital.ai Continuous Testing accelerates automation in testing cycles by performing large-scale test execution on multiple browsers and devices in parallel. Functional, performance, and accessibility issues are easily identified with debugging tools and quickly fixed after introduction. Features like the Test Editor puts accurate test creation, validation, and management capabilities in the hands of non-coding team members. This is aided by the increased interoperability with existing development tools and IDEs, testing frameworks, and CI environments. It all adds up to more effective collaboration between development and teams responsible for functional, performance, and accessibility testing.

The outcomes that Digital.ai Continuous Testing customers enjoy start with higher developer and testing team productivity. Projects are effortlessly scalable, and the time, effort, and cost required to fix defects will reduce. Testing cycles will run faster, and the time to market will reduce. The result is improved app quality and overall customer experience which leads to higher customer conversion rates and lower churn.

Key Benefits

Fast release of high-quality applications

- Test functional and performance scenarios continuously and scale your projects to meet increasing release demands.
- Test securely on a large matrix of real devices and browsers that include a variety of manufacturers operating systems and versions.
- Execute mobile, web, performance and accessibility testing from within the same platform and within the context of functional testing.

Simplified test creation and debugging

- Build and record test scenarios faster with a click, and give non-coding team members the ability to create their own automation tests.
- Access a central database of tests for a comprehensive testing overview, then save, edit, and execute tests from different tools.
- Eliminate defects directly from the execution window with debugging tools that validate your automation testing.

Scale testing with an enterprise grade testing infrastructure

- Test using the cloud to share devices and browsers across regions and give your teams secure access from anywhere in the world.
- Manage devices and browsers from a centralized hub that cloud managers use to update app and OS versions.
- Use an on-premise cloud protected by your security and firewalls or a SaaS cloud with ISO 27001 and Soc-2 protections to test securely.

Key Capabilities

	Test Development	Write robust, stable test scripts with advanced identification methods such as XPath and Object Spy
	Test Editor	Create, edit, verify and manage tests from a shared database, without needing any coding skills.
	Large-Scale Execution	Execute tests in parallel on multiple browsers and mobile devices all from one platform.
	Analytics	Gain end-to-end quality insights and drive improvements with Digital.ai Test Analytics.
	Performance Testing	Analyze performance by simulating different servers, measuring transactions, and speed index to deliver.
	Accessibility Testing	Test voiceover and gestures to deliver accessible website and application experiences for people with disabilities.
	Lab Management	Manage test projects by granting remote access, monitoring execution progress, and sharing usage reports.

The Digital.ai Difference

UNIFIED DEVOPS PLATFORM
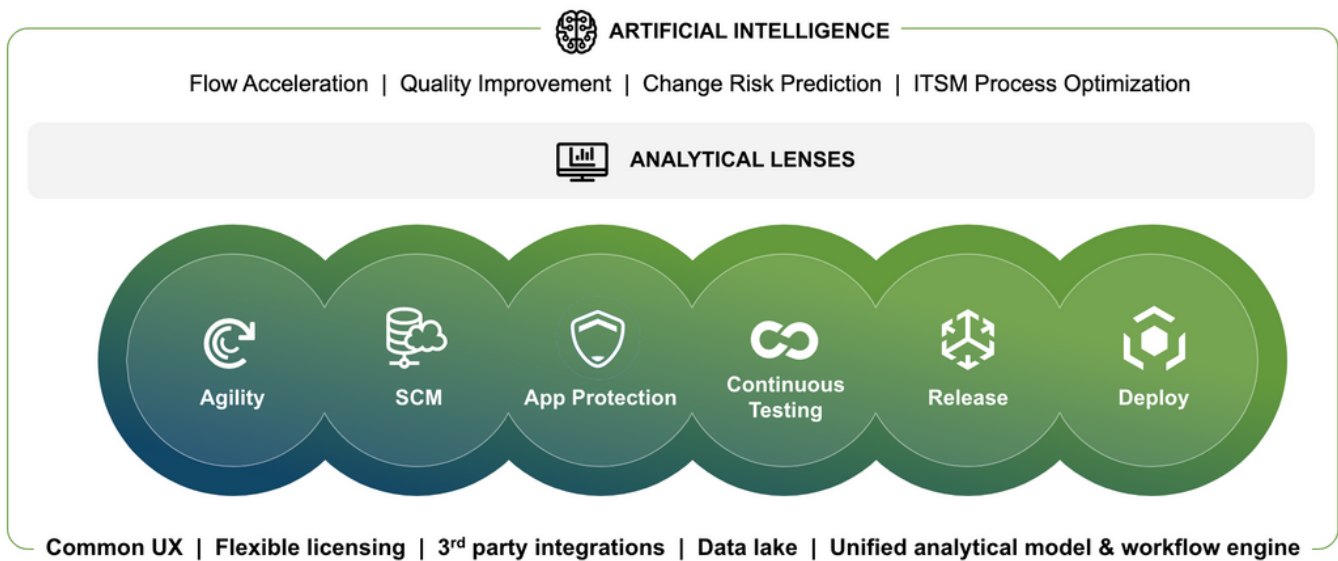Integrate DevOps & Security capabilities to enable continuous delivery of software

POWERED BY ARTIFICIAL INTELLIGENCE
Generate predictive insights that provide the intelligence to make smarter investments

CONNECTED TO THE ENTERPRISE
Connect to existing processes, applications and infrastructure to propel innovation that find new market opportunities

Digital.ai AI-powered DevOps Platform

About Digital.ai

Digital.ai is an industry-leading technology company dedicated to helping Global 5000 enterprises achieve digital transformation goals. The company's AI-powered DevOps platform unifies, secures, and generates predictive insights across the software lifecycle. Digital.ai empowers organizations to scale software development teams, continuously deliver software with greater quality and security while uncovering new market opportunities and enhancing business value through smarter software investments.

Additional information about Digital.ai can be found at digital.ai/ and on Twitter, LinkedIn and Facebook.

Learn more at https://digital.ai/continuous-testing

digital.ai™