

Why Testing Bottlenecks Need Testing AI

Quality is not keeping up with the pace of software engineering.



63%
DevOps adopters who say current QA processes are a bottleneck.¹



16%
Average of test activities performed with automation technologies.²

Obstacles to achieving test automation³



40%
Multiple development lifecycles



42%
Test data and environment availability



39%
Integrating different automation tools



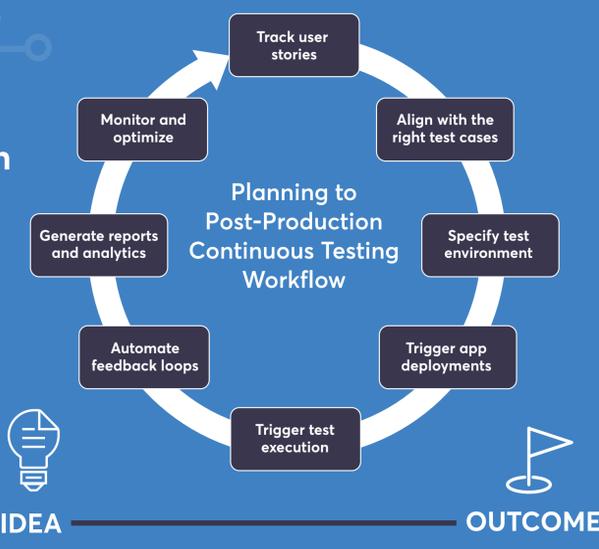
41%
Having the right automation testing process or method



52%
End-to-end lifecycle automation is the key challenge in implementing automation.

Continuous testing is the essential foundation to eliminating testing bottlenecks.

GOAL: Building the most efficient, shift-left, parallel testing workflow from planning through production with automated production, feedback and reporting.



IDEA



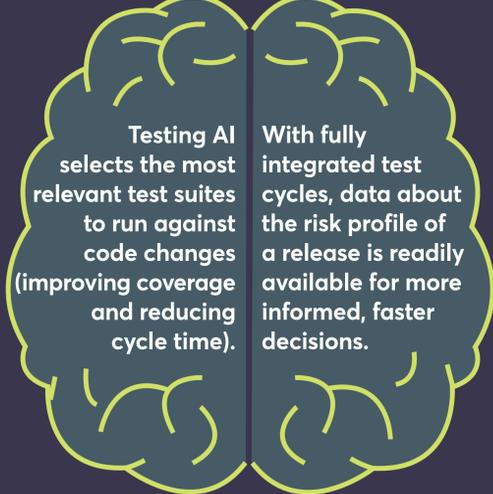
OUTCOME

But how do you take software testing to the next level?

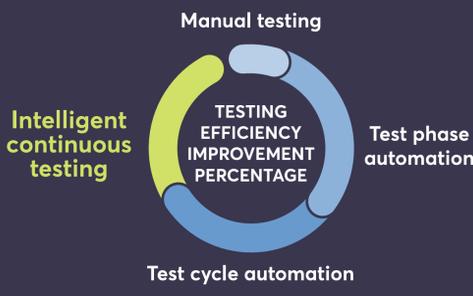
Dramatically improve application quality and confidence with intelligent continuous testing.



40%
IT executives' average interest in implementing some level of cognitive automation, machine learning or predictive analysis to improve quality.⁴



Benefits of intelligent continuous testing



Testing control and transparency.
Automating testing through a single point of control provides instant visibility of the process and results, as well as better collaboration.

Faster time to market.
Smarter test execution through connected workflows and machine learning leads to more efficient test cycles with less rework—closing the gap to production.

Low-risk releases.
Knowing the health of releases as they move from development toward production enables teams to make smarter decisions about release readiness.

Higher quality.
Automating testing workflows and making them more predictive enables better testing coverage—building quality in from planning through production.

What's your software testing IQ?

What testing strategies should you apply to ensure application quality keeps pace with agile development?

Automate individual testing phases
like test case design, performance testing and security testing.

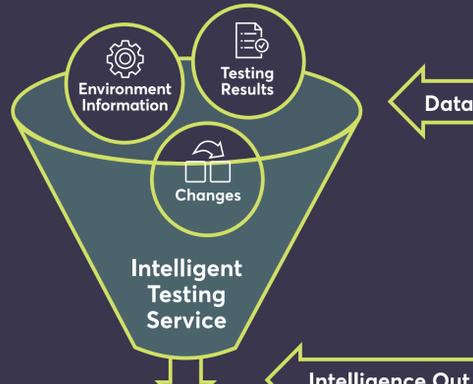
Build an automated, end-to-end testing workflow
within your DevOps process for shift-left, parallel execution and better collaboration.

Implement testing AI
for smarter test execution that drives maximum quality and efficiency in the application lifecycle.

CA Continuous Delivery Director: Testing transparency, automation and intelligence

CA Continuous Delivery Director empowers continuous everything—developer testing, release and improvement—to help you deliver the highest-quality applications fast and frequently. Through integrations with the DevOps toolchain across the application lifecycle and an intelligent testing service, it significantly improves testing efficiency and drives higher quality.

By the way, if you're not automated yet, that's okay, too. Leverage CA Continuous Delivery Director to orchestrate manual and automated testing tasks, and start plotting your course to continuous testing and delivery.



Try CA Continuous Delivery Director and its intelligent continuous testing capabilities for free at [CDDirector.io](https://cddirector.io).