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DEVOPS SPEED AND QUALITY

Have it All with Intelligent Pipeline Orchestration
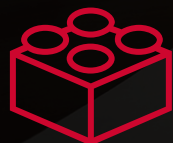
CONTINUOUS QUALITY FOR DEVOPS SUCCESS

In an agile development world, speed with quality is the goal. To achieve success, your organization's devops pipeline must be fast, efficient, and accurate.

Often, testing is the biggest bottleneck. Continuous quality, with testing embedded into every phase of the application delivery lifecycle, is the way forward.

CONTINUOUS TESTING POWERED BY INTELLIGENT AUTOMATION

To put a continuous testing practice in place, however, you must first build its foundation – one that adds intelligence and automation to the pipeline to increase velocity and accuracy – helping to ensure quality of each release.

HERE'S HOW YOU GET STARTED:

BUILD AN **INTELLIGENT PIPELINE FOUNDATION**

FOCUS ON **CONTINUOUS QUALITY**

GET VISIBILITY INTO **RELEASE READINESS**
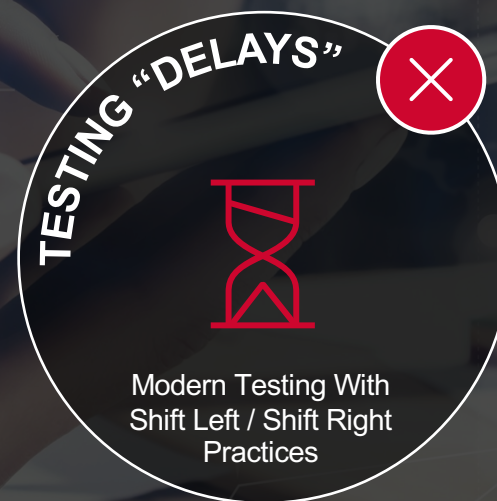
BUILD AN INTELLIGENT PIPELINE

You have manual processes and difficulties integrating and maintaining your devops toolchain. Your feedback loops are slow, inhibiting developer throughput and limiting collaboration among teams. Legacy testing practices cannot keep pace with agile development. You have limited visibility into the pipeline and the status of your releases. No wonder you're constantly dealing with bottlenecks and quality concerns.

BUILD AN INTELLIGENT PIPELINE

Through intelligent orchestration and embedding quality as a part of every phase of application development, you lay the foundation for quality at speed.

Your teams from planning to production can now work together and have complete transparency into release content, status, quality issues, and release readiness.

BUILD QUALITY IN: FROM PLANNING TO PRODUCTION

WASTED TIME ✕

AI-Powered, Intelligent Delivery Pipeline

TESTING "DELAYS" ✕

Modern Testing With Shift Left / Shift Right Practices

RISK ✕

Data-Driven, Predictive Insights, Risk Remediation

IMPROVE QUALITY AND VISIBILITY WITH AI

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Your testing cycles can have hundreds of tests and take hours to complete. Worse, every new feature or bug can add more tests to your cycle. If you're running all the tests all the time, it's hard to be agile and accomplish in-sprint testing.

IMPROVE QUALITY AND VISIBILITY WITH AI

With intelligent pipeline orchestration in place, tests are automatically selected and run depending on the code changes in the pipeline. Tests that are most likely to find problems are prioritized, so you can find and fix defects fast.

At the same time, through smarter test selection, velocity improves. Test only what you need to test, ensure all code changes are covered, and save time and resources with AI-driven test selection and prioritization.
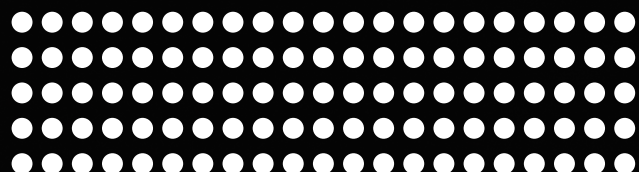
AI-DRIVEN INTELLIGENT TEST PRIORITIZATION & ALIGNMENT

Dramatically Increase DevOps Efficiency With AI-Optimized Testing

CONVENTIONAL TESTING

- Automation allows **many test suites**
- Not all test suites are **relevant** to every commit
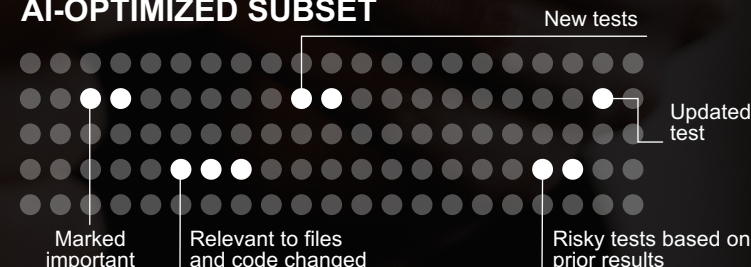- It takes a **long time** to run all the tests

ALL TESTS = TOTAL LOAD

AI-DRIVEN TEST SELECTION & ALIGNMENT

- AI selects the most **critical and relevant** tests
- Feedback speed **increases**, test load **decreases**
- Test suites **run faster** with no decrease in quality

AI-OPTIMIZED SUBSET

New tests

Updated test

Marked important

Relevant to files and code changed

Risky tests based on prior results

NEW LOAD

GET VISIBILITY AND INSIGHTS INTO RELEASE READINESS

If you don't understand the quality of your release, it's impossible to make a go/no-go decision with full confidence.

"The old way of thinking is that you can automate 10,000 tests. The problem with this approach is that no one asks whether you needed to run those tests in the first place. Did those 10,000 tests even find the defects that you wanted to find? This is why we decided to take a more intelligent approach."

- Test services practice manager, financial services company

GET VISIBILITY AND INSIGHTS INTO RELEASE READINESS

With intelligent orchestration, you'll have actionable analytics and a clear view to release quality at every stage. You also will have continuous visibility into quality issues as the release executes, including detection of anomalies and alerting of exceptional failure rates, durations or execution time.

TEST COVERAGE VISIBILITY

Testing an app across all phases

TEST EXECUTION DETAILS

Testing activities down to specific tools and phases

QUALITY TRENDS

AI-driven visibility into the quality level of a release

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INTELLIGENT ORCHESTRATION DRIVES QUALITY

AUTOMIC CONTINUOUS DELIVERY DIRECTOR DELIVERS

- Teams have full visibility into app progress
- Multi-app dependencies are easily managed
- Bottlenecks and delays can easily be identified and addressed
- Development efforts consistently map to business requirements
- Always understand the value and impact of every release

This is more than release planning. It's end-to-end orchestration and optimization that drives a culture of shared ownership between all your teams – and helps you deliver higher-quality applications faster.

LEARN MORE ABOUT INTELLIGENT PIPELINE ORCHESTRATION:

CDDIRECTOR.IO/