Parasoft DTP
Analytics & Reporting

DRIVING DEVELOPMENT & TEST PRODUCTIVITY

AGGREGATE, ANALYZE, & VISUALIZE
Understand the impact of changes in your codebase and provide actionable insights to the team to ensure the delivery of high-quality software.

Mitigate business risks without reducing the productivity of the team with DTP’s centralized quality hub that aggregates all the data from all of your testing practices, including static analysis, metrics, unit testing, functional testing, manual testing, code coverage, and code reviews (from both Parasoft technologies and OSS/3rd-party tools, supporting over 15 development languages).

By providing customizable dashboards and interactive Explorers, Parasoft DTP helps you monitor and manage the quality of the entire software development process. DTP’s advanced analytics uncover the hidden risks within the codebase, so you can make decisions about what is an “acceptable” level of risk and release sooner, with more confidence.

GO BEYOND THE TYPICAL DASHBOARD WITH PARASOFT DTP
CUSTOMIZABLE WEB-BASED INTERFACE
Leverage customizable dashboards, widgets, and reports for at-a-glance information about the status of development activities.

INTEGRATION WITH INDUSTRY ANALYSIS TOOLS AND TESTING FRAMEWORKS
Download extensions from the Parasoft Marketplace to integrate with popular open-source tools and systems. Leverage out-of-the-box integrations with SCMs, such as Git, Subversion, Mercurial, Microsoft TFS, and Perforce, or publish sources directly from analysis tools.

REPORTING AND ANALYTICS ENGINES FOR JAVA, C/C++, AND .NET
Automate the collection of testing data by configuring and deploying Parasoft’s native code analysis and test execution tools into your infrastructure.

ROBUST REST AND JAVA APIS
Access defects, requirements, tasks, and other data to integrate with tools and applications that extend DTP functionality.

TRANSCEND SIMPLE REPORTS & DASHBOARDS
Aggregated data from all of your testing practices gives you a comprehensive view of the results of your testing:

» An interactive framework lets you navigate and analyze test results.

» Integrations with workflow management systems enable you to take immediate action.

» Flexible and powerful analytics are provided by DTP’s award-winning Process Intelligence Engine (PIE).

MEASURE YOUR QUALITY RESULTS
See what DTP can do for you. Schedule a live demo.

“With Parasoft DTP constantly feeding our team actionable information based on the priorities I set, we have a lot more time to spend on useful and interesting tasks, like actually designing and implementing requirements — rather than wasting time chasing defects that leak into production.”

- Software Lead, Financial Services Company
**REPORTS & DASHBOARDS ARE GREAT, BUT THEY’RE JUST THE START**

DTP’s analytics are exceptionally advanced because of how its data is aggregated and correlated. The Explorers within DTP give visibility into that data and enable powerful workflows with the development team, integrating directly in the IDE and other systems of record.

**AGGREGATED REPORTS AND DASHBOARDS**

Parasoft DTP’s flexible drag-and-drop dashboard provides over 50 out-of-the-box widgets, categorized and color-coded so you can quickly assemble your own view into your quality process.

**DATA EXPLORERS THAT LET YOU TAKE ACTION**

Explorers provide an interactive UI for exploring your test data and understanding how changes in your codebase are changing code quality. From Explorers, you can trigger external workflows.

**SDLC WORKFLOW INTEGRATIONS**

DTP is at the center of integrating quality into your SDLC, by enabling workflows that are critical for ensuring the successful adoption of quality practices into your software development process.

**POLICY & COMPLIANCE ENFORCEMENT**

DTP provides a centralized quality hub for compliance reporting. It aggregates all of your testing data in one place, simplifying the process and effort for demonstrating compliance while providing a central location to manage and audit the quality process.

**INTELLIGENT ANALYTICS FROM THE PROCESS INTELLIGENCE ENGINE (PIE)**

Advanced analytics from PIE enable you to drive process improvements, gain greater insights, and streamline the team’s testing activities. You can use existing PIE “slices” that are preconfigured inside DTP, or you can create your own. Sample slices include:

**TEST IMPACT ANALYSIS**

Why re-test everything every sprint? Optimize your testing strategy and focus on re-executing only the tests that touch the changes.

**KPI CALCULATIONS**

How do you measure cross-team performance to ensure efficient adoption of quality practices? How do you know the amount of risk?

**TEST STABILITY**

Did that test failure mean anything or is it always doing that? Where are the real regressions?

**MODIFIED CODE COVERAGE**

How do you know if you need to create new tests? Focus on achieving 100% coverage on only code that has changed.

**RISKY CODE CHANGES**

What is the risk of the code that you just changed? What is the amount of existing quality debt?

**CUSTOM ANALYTICS**

Make calculations that are custom to your organization. Use slices as templates and implement anything you want.