

# Parasoft DTP

## Analytics and Reporting



DRIVING DEVELOPMENT AND TEST PRODUCTIVITY

## SEE IT IN ACTION

Get a demo and see what DTP could do for you.

<https://software.parasoft.com/dtp>

## GOING BEYOND 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)
- A devoted Policy Center lets you establish and enforce policies

Understand the impact of changes in your code-base 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.

Parasoft DTP goes beyond your normal reporting and dashboarding tools:

### CUSTOMIZABLE WEB-BASED INTERFACE

Leverage customizable dashboards, widgets, and reports for at-a-glance information about the status of development activities.

### INTEGRATION WITH OPEN SOURCE 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, AccuRev, 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.

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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 querying Bugzilla and constantly trying to figure out who should work on what next.

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## REPORTS AND 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. Establish and define your software development policies and quality gates within DTP to automate policy enforcement as part of your DevOps workflow.

## 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:



### CHANGE-BASED TESTING

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



### RISKY CODE CHANGES

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



### 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.



### TEST STABILITY

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



### KPI CALCULATIONS

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



### CUSTOM ANALYTICS

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

## SYSTEM REQUIREMENTS

### OPERATING SYSTEM

Windows 64-bit:  
Server 2016  
Server 2012  
Server 2008  
Windows 10  
Windows 8  
Windows 7

Linux 64-bit

### MINIMUM HARDWARE

Processor:  
Quad core 2GHZ CPU  
RAM:  
10GB  
Hard Disk:  
200GB HDD free space

### BROWSERS

Firefox  
Google Chrome  
Internet Explorer 11  
Microsoft Edge  
Safari

