



Parasoft
DTP

ACHIEVE YOUR DEVOPS GOALS

Examine data from all your testing practices to gain a comprehensive view of the test results and assess development and test priorities to meet quality objectives.

- » Reduce development and testing costs by acting on insights obtained from key metrics.
- » Improve software quality and user experience by analyzing aggregated test results.
- » Assess test and code change impacts to accelerate testing for on-time deliveries.
- » Consolidate reporting across CI/CD workflows to simplify compliance and enforce policies.

MEASURE YOUR SOFTWARE QUALITY

See how Parasoft DTP captures test results. [Schedule a live demo.](#)

Figure 1:
View key metrics and results across all your testing practices within a comprehensive dashboard.

Analytics & Reporting for Enterprise Software Testing

DRIVING DEVELOPMENT & TEST PRODUCTIVITY

DELIVER HIGH-QUALITY, SECURE SOFTWARE

Do you know the risk of your release and how it impacts your business?

Parasoft Development Testing Platform (DTP) delivers actionable insights so you can gain confidence in your software releases. DTP monitors and measures the application of quality practices, such as static analysis, unit and functional testing, coverage analysis, and much more, to expedite secure and compliant software. The award-winning Process Intelligence Engine (PIE) identifies risky patterns buried deep in the data and prioritizes findings based on your policies.

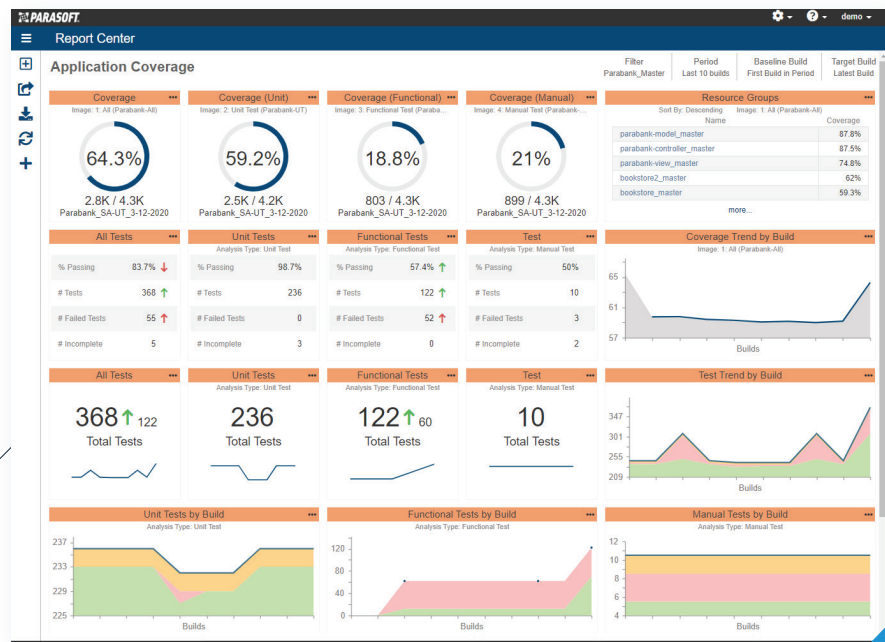
Parasoft DTP collects, correlates, and analyzes data generated throughout the SDLC to produce intelligent, actionable findings so you can focus on the impact of changed code and demonstrate full compliance traceability.

With DTP's in-depth reports and dashboards, you get a comprehensive view of key quality metrics that help you balance many parallel and often conflicting priorities. Eliminate the business risk associated with faulty software, accelerate delivery, and facilitate continuous process improvement.

IDENTIFY AREAS FOR IMPROVEMENT

Understand the impact of changes in your codebase and provide guidance on next steps to the team to ensure the delivery of high-quality software. Test coverage data can be combined with other metrics to identify application hotspots in areas of the application that present the most significant risk. Quickly assess the current risk associated with any application and take immediate action.

Mitigate business risks without reducing the productivity of the team with DTP's centralized quality hub. It aggregates data across your testing practices, including static analysis, metrics, unit testing, functional testing, manual testing, and code coverage, from Parasoft technologies and OSS/third-party tools, supporting over 15 development languages.



GO BEYOND THE TYPICAL DASHBOARD

Know what your tests cover and determine what needs to happen to increase coverage.

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 defines an "acceptable" level of risk and release sooner with more confidence.

INTEGRATE WITH MODERN DEVOPS WORKFLOWS

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 Azure DevOps, and Perforce, or publish sources directly from analysis tools.

DTP also integrates with leading requirements and issue management systems as well as security testing tools.

CUSTOMIZABLE WEB-BASED INTERFACE

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

OPTIMIZE STATIC APPLICATION SECURITY TESTING (SAST)

Advance your ability to deliver secure applications with best practices from OWASP and other industry standards. Leverage AI and machine learning to uncover hotspots and automatically prioritize the most important findings for your team. Implement security risk scoring across teams to streamline DevSecOps risk assessment.

REPORTING AND ANALYTICS ENGINES FOR JAVA, C/C++, & .NET

Automate the collection of testing and compliance data by configuring and deploying Parasoft's native static code analysis and test execution tools into your infrastructure.

ROBUST REST & JAVA APIS

Access defects, requirements, tasks, and other data to integrate with tools and applications that extend DTP functionality.

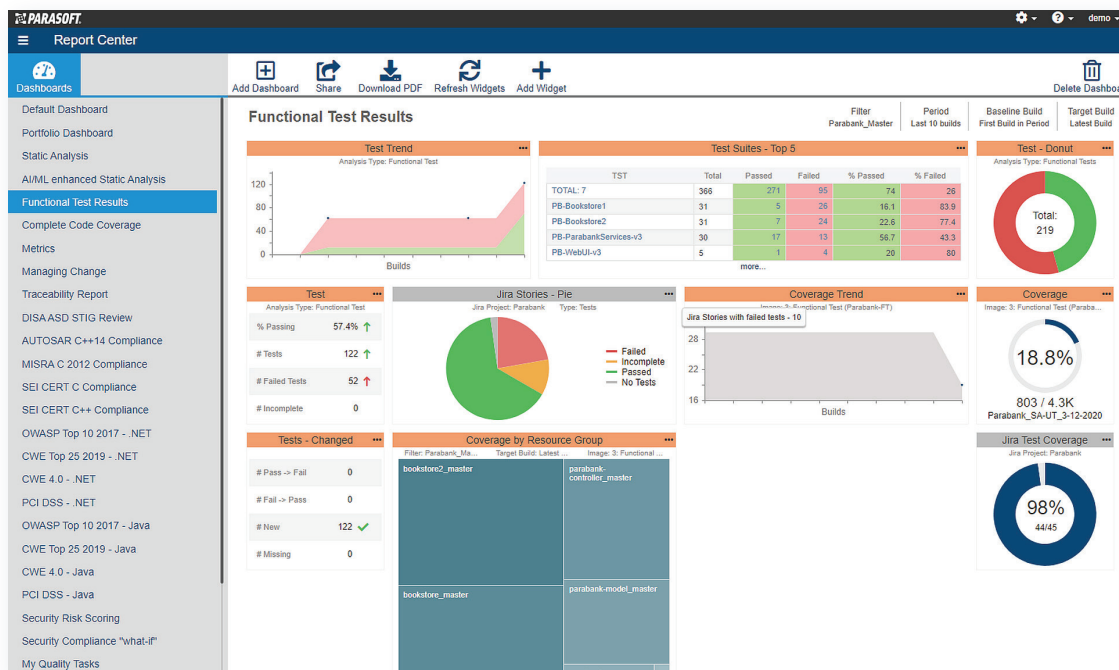


Figure 2:
Track the trends and results of functional tests throughout the software development life cycle and determine how to address coverage gaps.

REPORTS & DASHBOARDS ARE JUST THE START

Parasoft 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 CI/CD tools.



AGGREGATED REPORTS & DASHBOARDS

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 FOR DEEPER INSIGHTS

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 ALIGNMENT

DTP provides a central location to collect all your test results, simplifying the process and effort for managing the quality process. Produce audit reports with the click of a button to show compliance with industry standards, including PCI DSS, CWE, CERT, and OWASP, using DTP's extensive and top-rated out-of-the-box reporting, customizable for your specific needs.

Use traceability to associate static analysis, test results, and underlying source code with the corresponding work items (requirements, user stories, and so on) from external systems. With comprehensive traceability reporting, Agile teams gain visibility into the quality of testing practices and corresponding source code.

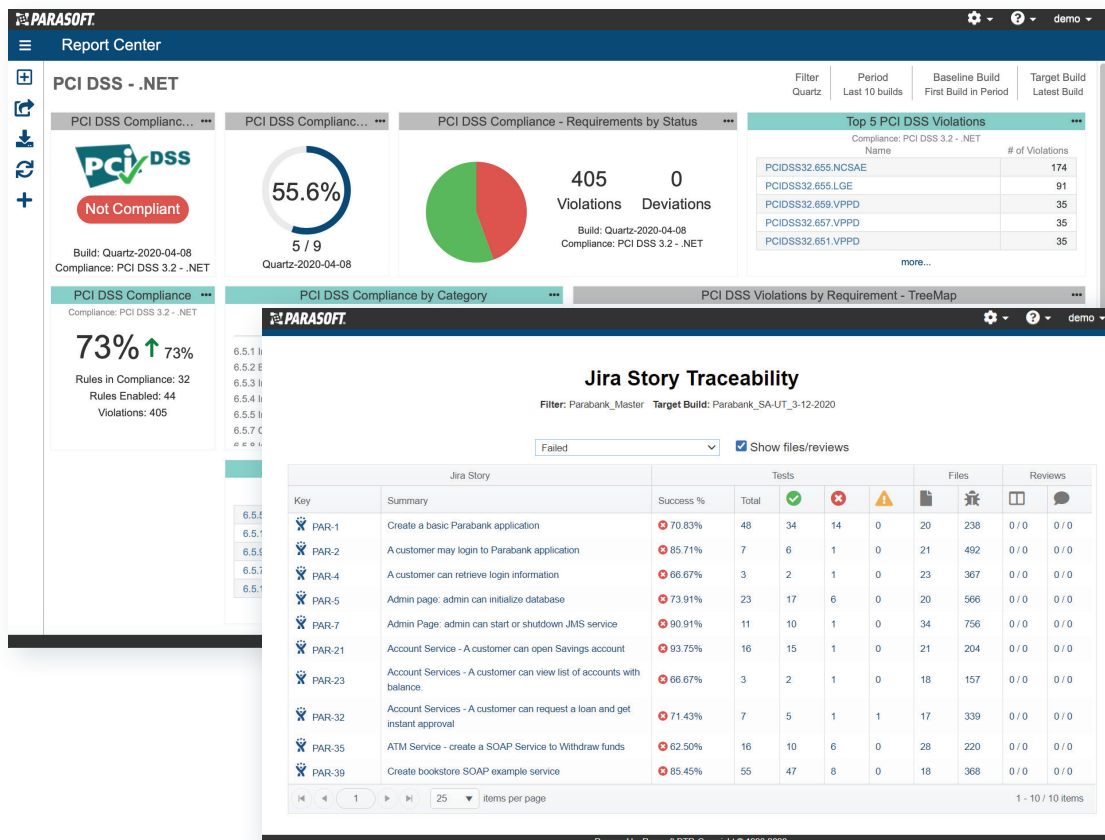


Figure 3:
Track progress against
compliance regulations
and correlate test results
back to development
requirements.

INTELLIGENT ANALYTICS PROVIDE VALUABLE INSIGHTS

Advanced analytics from Parasoft DTP's PIE enable you to drive process improvements, gain greater insights, and streamline the team's testing activities. Select from preconfigured PIE "slices" or create your own to view relevant quality metrics. Sample slices include:



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.



TEST IMPACT ANALYSIS

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



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.



Figure 4:
Customize your analytics dashboard with a variety of charts available in the Process Intelligence Engine for a detailed view of test results and metrics.



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