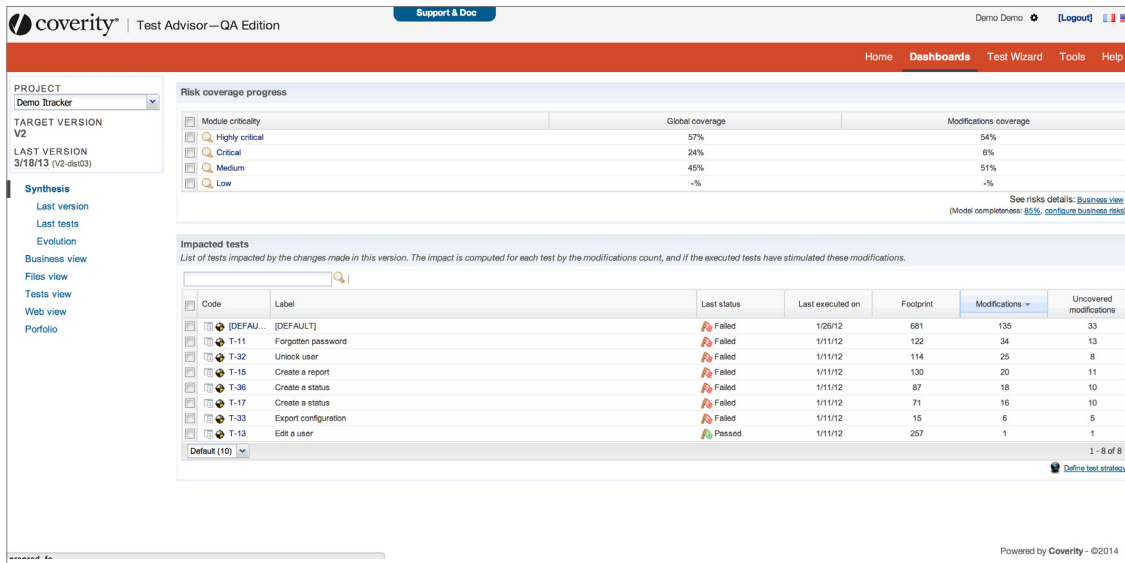


Coverity Test Advisor – QA Edition

Coverity[®] Test Advisor – QA Edition improves the effectiveness of manual and automated testing by monitoring execution and identifying gaps that can lead to failures in the field.



The screenshot displays the Coverity Test Advisor – QA Edition dashboard. The top navigation bar includes 'Home', 'Dashboards', 'Test Wizard', 'Tools', and 'Help'. The main content area is divided into two sections:

Risk coverage progress

Module criticality	Global coverage	Modifications coverage
Highly critical	57%	54%
Critical	24%	0%
Medium	45%	51%
Low	-%	-%

Impacted tests

List of tests impacted by the changes made in this version. The impact is computed for each test by the modifications count, and if the executed tests have stimulated these modifications.

Code	Label	Last status	Last executed on	Footprint	Modifications	Uncovered modifications
[DEFAULT]	[DEFAULT]	Failed	1/26/12	681	135	33
T-11	Forgotten password	Failed	1/11/12	122	34	13
T-32	Unlock user	Failed	1/11/12	114	25	8
T-15	Create a report	Failed	1/11/12	130	20	11
T-36	Create a status	Failed	1/11/12	87	18	10
T-17	Create a status	Failed	1/11/12	71	16	10
T-33	Export configuration	Failed	1/11/12	15	6	5
T-13	Edit a user	Passed	1/11/12	257	1	1

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A NEW APPROACH TO SOFTWARE TESTING

- Score tests based on how well they cover code changes so testers can focus their efforts.
- Aggregate test results throughout the development lifecycle.
- Reduce regression risks by uncovering gaps in testing procedures.
- Eliminate redundant tests that distract team members while maintaining a high level of test coverage.

Use the Coverity Test Advisor-QA Edition dashboard to analyze risk and discover how code changes affect existing tests.

Product Overview

Coverity Test Advisor – QA Edition provides Quality Assurance teams with intelligent change impact analysis for software testing. By monitoring the execution and results of automated tests, teams can prioritize tests and identify which are most critical based on changes to source code. This enables faster time to market while ensuring that the most relevant tests are executed. The result is peace of mind from knowing that your product has been thoroughly tested and issues stay resolved.

Key Features

Find the Optimal Set of Tests

Coverity Test Advisor – QA Edition analyzes Java, C# and web applications and calculates a score for each test according to how it covers code changes. Testing time is reduced as team members focus on those tests that are relevant to the modifications they've made. Quality is improved as developers can prioritize tests where the risk is highest.

Identify Gaps in Testing

Coverity Test Advisor – QA Edition generates a functional overview of your product, correlating code changes with Test Footprints recorded over time. This intelligent aggregation of data allows test teams to identify gaps in coverage, preventing regression failures in the production application.

Ask “What if” Before Running Tests

Use the Impact Analyzer to evaluate the impact of modifications to the test plan, eliminate redundant tests and generate scenarios that eliminate gaps in test coverage.

Test without Rebuilding

There is no need to create a special build for testing with Coverity Test Advisor – QA Edition. The recording agent monitors .NET, Java and web applications in their native runtime environment using information already found in the binary. No source code or access to the source control server is necessary.

Works Well with Others

Coverity Test Advisor – QA Edition works with the most widely-used commercial and open source testing solutions. A REST API allows test teams to integrate other tools into this environment.

Information-rich Dashboards

Coverity Test Advisor – QA Edition delivers usable information in easily-understandable dashboards using any modern web browser.

IP and Data Stay Secure

The Coverity Test Advisor – QA Edition recording agent does not transmit source code or the application to the cloud. It only transmits information about the source code, such as class and method names. The data used in tests is secure as well, as the information used in tests is not needed for analysis.



Supported Platforms

Runtime Environment

Microsoft .NET Framework

- .NET Framework 3.5 and higher
- Microsoft IIS 6.0 or later
- Visual Basic
- C#

Java Platform

- Java Platform version 1.5 and higher
- Microsoft Windows
- Linux
- Unix

Java Application Servers

- Apache Tomcat
- RedHat JBoss
- Oracle WebLogic
- IBM WebSphere
- JOnAS

Web Applications

Runtime Requirements	Web Browsers (for Cockpit)
<ul style="list-style-type: none"> • HTML + JavaScript • HTML5 • Google Chrome version 26 or later • Mozilla Firefox version 14 or later 	<ul style="list-style-type: none"> • Mozilla Firefox • Google Chrome • Apple Safari • Microsoft Internet Explorer • Adobe Flash required

External Tool Integrations

Platform Support

- HP Application Lifecycle Management
- HP Unified Functional Testing (formerly QuickTest Professional)
- JIRA
- Microsoft Excel
- Apache Maven
- Selenium
- TestLink
- SmartBear TestComplete
- xUnit
- Junit
- XQual XStudio
- SmartBear SoapUI