

Release Rocket Verify 1.0 Product Information Sheet

The breakneck pace of the Internet age and the heightened importance of business-critical software have put increasing pressure on information technology organizations to deal with the challenges of managing the complexity and speed of software development. IT companies use multiple versions of software applications to satisfy their divergent external customers or internal departments, resulting in frequent, rapid, and often inaccurate & inefficient, modifications. As a result, reliable, user-friendly change verification tools are critical for the IT industry.

Release Rocket Verify 1.0 is the first tool that identifies, tracks, and reports on the testing effort at the *change* level. Release Rocket Verify is a totally unique tool that focuses on the verification of changes and testing results across the entire application via real-time feedback, enabling rapid delivery of releases with high confidence for developers, testers, and managers. The result is more flexibility, faster validation, and increased productivity for software teams.

Release Rocket Verify 1.0 remedies a slew of obstacles software developers confront:

- **Product-release delays due to excessive testing time:** Release Rocket Verify identifies all code changes, and provides a concise list required in unit testing to validate and verify code functionality. As a result, developers and testers are more efficient and require 50 percent less time to create test environments, reducing costs along the way.
- **Lack of time and testing resources, preventing quick application delivery:** Release Rocket Verify is configured to maximize existing testing resources, so only changes between successive releases require testing, reducing validation time by 75 percent.
- **Absence of real-time data for managers to evaluate progress:** Release Rocket Verify provides dynamic tracking and real-time feedback with summary and detail information. This feature fosters better product-release management, and enables managers to view up-to-the-minute progress and address productivity issues.
- **Understanding code changes and their impact:** Taking too many shortcuts can lead to incomplete testing, and merely executing a changed line of code doesn't validate the entire change. Release Rocket Verify's state-of-the-art change engine identifies lines that change, as well as affected decision branches and the referential impact of data and logic flow variable changes. This process eliminates potential bugs caused by code changes, and completely verifies all changes made.

- **Incomplete or inaccurate change information:** Communication problems between developers and testers can result in code-testing confusion and unnecessary additional work. Release Rocket Verify leverages change management (CM) tools, automatically tracking all changes and providing a comprehensive change-list to use for test planning. This tool eliminates all communication problems, ensuring complete documentation of all code changes in need of testing.
- **Improper testing environments:** Although software developers spend a lot of time and energy creating application-validating test cases, there is no easy way to quantify how thorough functionality-validation is. Release Rocket Verify tracks which code has and has not been tested, providing testers with definitive data addressing the degree of verification completed across the entire application. This data ensures a proper testing environment, and gives testers the necessary information to create and refine it.
- **Difficulty procuring information for variable-level reports at the correct technology level (package, class, and method):** Release Rocket Verify utilizes the latest industry-standard navigation methods, enabling users to quickly drill down from application summary-level reports to individual method-level statistics. Developers readily obtain distinct information at multiple levels of an application, and save time by making accurate decisions on what is and is not complete.
- **Frequency of multiple revisions:** The frequency of application revisions developers must verify prior to final product release has increased in the IT industry. Release Rocket Verify determines the additional change impact of a new revision and intelligently leverages testing already performed. This feature streamlines the re-testing process, and enhances testers' ability to validate new business changes while maintaining the completed testing status of unaffected areas.
- **Absence of team environment:** Commonly, testers do not share information, resulting in redundant testing across and within groups. Release Rocket Verify centrally manages the collection and accumulation of shared testing results, creating a common repository of shared data. As a result, teams can share information and eliminate redundant testing activities.