

cases, ensuring a traceable link is established to the corresponding requirement definition. TestDirector ensures traceability throughout the testing process for any downstream quality efforts tied to specific requirements. It enables you to easily see what percentage of the application functional requirements are covered by tests, how many of these tests have been run, and how many have passed or failed.

Planning Tests: Based on the requirements, testers can start building the test plan and designing the actual tests. Test plans can be created in Mercury TestDirector or imported from Microsoft Word or Excel. TestDirector provides a repository for both manual and automated tests, including the ability to leverage Mercury Business Process Testing for collaborative test design. By maintaining all test planning information in a central repository, team members can easily reuse entire test plans or individual test cases for future application releases.

Scheduling and Running Tests: After test design and development issues have been addressed, the testing team is ready to start running tests. To test the system as a whole, the team needs to perform various types of testing – functional, regression, load, unit and integration – each with its own set of requirements, schedules, and procedures. Mercury TestDirector's Test Lab Manager allows scheduled tests to run unattended, overnight, or when the system is in least demand for other resources. By defining dependencies between tests, you can realistically emulate real-life business processes, while making it easier to maintain and reuse the tests. Manual test execution is performed through a browser-based wizard that provides step-by-step guidance to the person executing the test.

Defect Management: Analyzing defects is what essentially helps managers make the "go/no-go" decision about application deployment. Mercury TestDirector's Defect Manager supports the entire defect lifecycle – from initial problem detection through fixing the defect and verifying the fix. This ensures that no defect is overlooked or closed before it has been addressed. Before any new defect is submitted, TestDirector checks the database for similar defects, minimizing duplicate defects, and eliminating the need for manual checking.

Reports and Graphs: The testing process generates large amounts of data. Mercury TestDirector's customizable graphs and reports help users analyze this data. In a traditional organization, it may take 10 to 20 hours to create a test-execution report or a release-status assessment. With TestDirector, all of this information is at your fingertips, enabling an up-to-the-minute decision on application status or team productivity. In addition, TestDirector can export any report source to native Microsoft Excel, providing endless data-manipulation by end users.

FEATURES AND BENEFITS

- Supports the entire testing process: Incorporates all aspects of the testing process – requirements management, planning, scheduling, running tests, issue management, and project status analysis – into a single browser-based application.
- Provides anytime, anywhere access to testing assets: Using the web interface, testers, developers, and business analysts can participate in and contribute to the testing process by collaborating across geographic and organizational boundaries.
- Provides traceability throughout the testing process: Links requirements to test cases, and test cases to issues, to ensure traceability throughout the testing cycle. When requirement changes or the defect is fixed, the tester is notified of the change.
- Integrates with third-party applications: Whether you use an industry-standard configuration management solution, Microsoft Office, or a homegrown defect-management tool, any application can be integrated into Mercury TestDirector. Through the open API, TestDirector preserves your investment in your existing solutions and enables you to create an end-to-end lifecycle-management solution.
- Manages manual and automated tests: Stores and runs both manual and automated tests, and can help jumpstart your automation project by converting manual tests to automated test scripts.
- Provides change-impact testing for SAP applications: Enables visibility to requirement changes, and flags resources that need to be updated or executed to validate the application changes.
- Accelerates testing cycles: TestLab manager accelerates the test execution cycles by scheduling and running tests automatically – unattended, even overnight. The results are reported into the central repository, creating an accurate audit trail for analysis.
- Facilitates consistent and repetitive testing process: Provides a central repository for all testing assets, facilitating the adoption of a more consistent testing process that can be repeated throughout the application lifecycle or shared across multiple applications or lines of business (LOB).
- Provides analysis and decision support tools: Integrated graphs and reports help analyze application readiness at any point in the testing process. Using information about requirements coverage, planning progress, run schedules, or defect statistics, managers are able to make informed decisions on whether the application is ready to go live.

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