



HP TestDirector for Quality Center software

Data sheet



HP TestDirector for Quality Center software is industry-leading, global quality management software. It lets you manage the quality process for delivering high-quality applications efficiently and effectively.

Add structure to your application testing process

HP TestDirector for Quality Center software drives a more effective and efficient global application testing process and supports high levels of communication and collaboration among distributed testing teams. HP TestDirector for Quality Center has several modules—HP Service Test Management module, Release Management, Requirements Management, Test Plan, Test Lab and Defects Management—that are seamlessly integrated, allowing for the smooth flow of information among various testing stages. This integrated software provides real-time visibility into modifications for interrelated, application quality elements.

The web-enabled HP TestDirector for Quality Center brings communication, organization, documentation and structure to every testing project. It becomes the central point of control, storing information about application requirements, tests and defects in a central repository. Because your team members can use HP TestDirector for Quality Center via the web, all members can access critical project information—regardless of geographic and organizational boundaries.

By adding structure to every aspect of your testing process, HP TestDirector for Quality Center benefits your entire organization:

- Business analysts can define application requirements and testing objectives based on your business priorities.
- Quality assurance (QA) managers can prioritize efforts required to test requirements fully and make informed release decisions based on effort and risk tradeoffs.
- Test leads and project leads can design test plans and develop test cases.

traceability throughout the testing process for any downstream quality efforts tied to specific requirements. You easily see what percentage of the application's functional requirements your tests cover, how many of these tests have run and how many have passed or failed. When requirements change, a change impact report provides visibility into the other requirements that are linked or affected by the change, saving you time in running a full regression test after each change.

Align testing priorities based on risk

Organizations typically do not have unlimited resources and cannot fully test every requirement. It's difficult to know how much testing you need to reduce your application deployment risks. HP TestDirector for Quality Center includes risk-based quality management so that you can calculate how much effort to spend on testing each requirement, based on the requirement's level of business risk and available resources. You can implement appropriate test strategies and create a business contract between QA and your business managers, using these calculations.

Define test plans

Based on requirements, your testers can start building a test plan and designing actual tests. You can create test plans using HP TestDirector for Quality Center or import them from Microsoft® Word or Excel®. HP TestDirector for Quality Center provides a repository for both manual and automated tests, including the ability to leverage HP Business Process Testing software 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.

Schedule and run tests

After addressing test design and development issues, your testing team can 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. The Test Lab module can run scheduled tests unattended, overnight or when the system is in least demand for other resources. By defining dependencies among 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.

Track defects

Analyzing defects helps managers make the “go/no-go” decision about application deployment. The Defects Management module supports the entire defect lifecycle—from initial problem detection through fixing the defect and verifying the fix. Therefore, no defect is overlooked or closed before it has been addressed. Before any new defect is submitted, HP TestDirector for Quality Center checks the database for similar defects, reducing duplicate defects and removing the need for manual checking.

Report and graph your quality process

The testing process generates large amounts of data. The customizable graphs and reports in HP TestDirector for Quality Center help analyze this data. In a traditional organization, it can take ten to 20 hours to create a test-execution report or a release-status assessment. With HP TestDirector for Quality Center, all of this information is at your fingertips for making up-to-the-minute decisions on application status or team productivity. In addition, HP TestDirector for Quality Center can export a report source into Microsoft Excel, letting your end users perform endless data manipulation.

Key features and benefits

- Supports the complete testing process—requirements management; planning, building, scheduling and executing tests; defect management; and project status analysis—through a single, web-based software product
 - Allows your teams to make quality decisions based on business risks and priorities
 - Lets your teams access testing assets when and from where they need to by using a browser interface
 - Integrates with a wide range of third-party applications, preserving existing investments and creating an end-to-end quality management infrastructure
 - Manages manual and automated tests and helps initiate automation projects
 - Accelerates testing cycles by scheduling and running tests automatically, unattended, 24x7; stores results in a central repository, creating an accurate audit trail for analysis and providing consistent quality processes
 - Allows your teams to analyze application readiness at any point in the testing process through integrated graphs and reports
 - Lets your teams create requirements and test assets for SOA services and environments
 - Allows your teams to track quality assets and progress across releases and test cycles
 - 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 can make informed decisions on whether an application is ready to go live.

HP Services

Get the most from your software investment

HP provides high-quality software services that address all aspects of your software application lifecycle needs. With HP, you have access to standards-based, modular, multi-platform software coupled with global services and support. The wide range of HP service offerings—from online self-solve support to proactive mission-critical services—enables you to choose the services that best match your business needs.

For an overview of HP software services, visit:

www.managementsoftware.hp.com/service

To access technical interactive support, visit Software Support Online at: www.hp.com/managementsoftware/services

To learn more about HP Software Customer Connection, a one-stop information and learning portal for software products and services, visit: www.hp.com/go/swcustomerconnection

A complete solution

Comprehensive training

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The smartest way to invest in IT

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