



HP Quality Center software (formerly HP TestDirector for Quality Center software)

Data sheet

HP 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 Quality Center software (formerly 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 geographically distributed testing teams. HP Quality Center has several modules—Requirements Management, Release and Cycle Management, Test Plan, Test Lab, Defects Management and Dashboard reporting—that are seamlessly integrated to allow for the smooth flow of information among various testing stages.

HP Quality Center brings structure to every testing project and stores information about application requirements, tests and defects in a central repository. Because HP Quality Center is web-based, all members can access critical project information—regardless of geographic and organizational boundaries.

HP Quality Center offerings

HP Quality Center is available in three versions:

- HP Quality Center Starter Edition software
- HP Quality Center Enterprise software
- HP Quality Center Premier software

HP Quality Center Starter Edition

HP Quality Center Starter Edition addresses the needs of entry-level quality assurance (QA) organizations getting started with testing. It provides basic



functionality and is available standalone, or bundled with HP QuickTest Professional software in the HP Functional Test package.

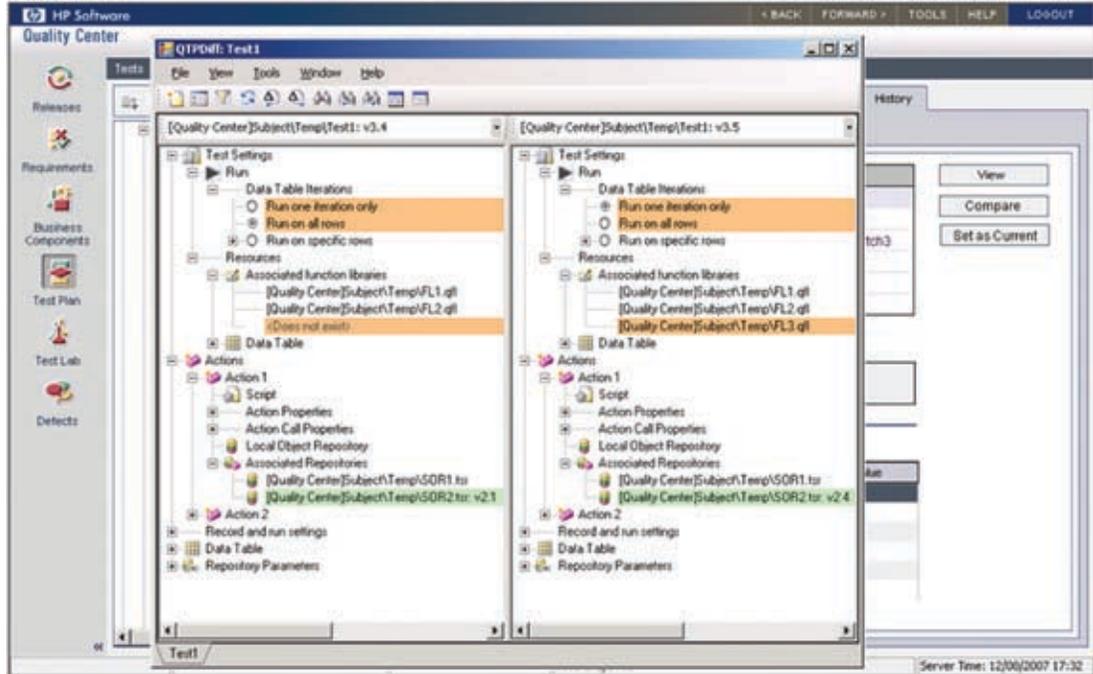
HP Quality Center Enterprise

HP Quality Center Enterprise is suitable for more mainstream QA organizations who may not have expanded globally and may not yet be managing large, complex QA initiatives. It contains a full complement of HP Quality Center modules, but not some of the advanced capabilities.

HP Quality Center Premier

HP Quality Center Premier expands HP Quality Center Enterprise with enhanced functionality to address the needs of large, global enterprises with QA initiatives that span up to hundreds of applications and geographically distributed teams. It is ideal for customers with a quality Center of Excellence (COE).

Asset versioning. HP Quality Center Enterprise and HP Quality Center Premier allow you to manage multiple versions of requirements and tests, compare and retrieve details of prior versions.



Key benefits of HP Quality Center Enterprise and HP Quality Center Premier

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

- Business analysts can define application requirements and testing objectives based on your business priorities.
- QA managers can prioritize testing efforts based on business risk.
- Test leads and project leads can design test plans and develop test cases.
- Test automation engineers can store automation scripts and assets in the HP Quality Center repository.
- QA testers can run manual and automated tests, report execution results and enter defects.
- Developers can review and correct defects logged into the HP Quality Center database.
- Product managers can review quality metrics and decide whether an application is ready for release.
- Business analysts, developers and QA testers can share and reuse asset libraries across projects and manage multiple versions of tests and test assets.
- QA managers can enforce standardized processes and best practices across projects.
- Release planners and managers can track quality metrics across multiple projects or modules.

How HP Quality Center works

HP Quality Center streamlines the end-to-end quality process—from requirements management through test execution and defect management—in one, globally accessible, web-based software platform.

Manage requirements.

HP Quality Center provides a central repository for managing multiple requirements types and provides real-time visibility of requirements coverage and associated defects to evaluate quality and business risk. Multi-dimensional traceability is supported between requirements, tests and defects, across releases and test cycles.

When requirements change, a change impact report provides visibility into the requirements affected, enabling you to avoid a full regression test after each change. Dispersed teams also receive prompt notification of any requirements changes that might impact the tasks they are working on.

Align testing priorities based on risk.

Organizations typically do not have unlimited resources to fully test every requirement. HP Quality Center provides risk-based quality management to objectively assess and prioritize the highest risk, highest priority requirements. You can then optimize your testing effort based on quantifiable business risk.

Define test plans.

Based on the requirements, your testers can build test plans and design tests using HP Quality Center, or import them from Microsoft® Word or Excel®. HP 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 across releases.

Monitor quality across releases and cycles.

The Release Management module helps you manage application releases and cycles more efficiently. You can track the progress of an application release against your plan to determine whether your release is on track which allows you make informed budgetary and release decisions.

Schedule and run tests.

Your testing team can use the Test Lab module to run scheduled tests unattended, overnight or when the system is in least demand. HP Quality Center supports various types of testing—functional, regression, load, unit and integration—each with its own set of requirements, schedules and procedures. By defining dependencies among tests, you can realistically emulate real-life business processes and make it easier to maintain and reuse the tests.

Track defects.

Analyzing defects and defect trends helps you make effective “go/no-go” decisions. The Defects Management module supports the entire defect lifecycle—from initial problem detection through fixing the defect and verifying the fix. Before any new defect is submitted, HP Quality Center checks the database for similar defects, reducing duplication and removing the need for manual checking.

Standardize processes and best practices.

Process standardization becomes a necessity for enterprise-wide reporting, asset sharing and reuse. With HP Quality Center Premier, you can enforce standardized processes and best practices by centrally creating templates with mandatory workflows and user-defined fields and propagating them automatically across projects.

Enable asset sharing and reuse.

HP Quality Center supports sharing and reuse of asset libraries across projects and initiatives. Sharable libraries help you manage initiatives with multiple applications to verify that changes to one application don't negatively impact another application. Specific changes can be applied to the shared assets for each project while allowing the library to maintain its integrity so that individual projects can re-synch with the library as required.

Use versioning and baselining.

To support asset sharing and reuse, version control is provided for requirements, tests, test scripts and business components. Versioning allows distributed teams to collaborate and manage multiple versions of test assets in parallel, while providing an audit history of changes throughout the project lifecycle.

Baselining allows you to capture a group of requirements, tests or test assets at strategic points in the project lifecycle to mark specific milestones. You can compare baselines to assess the impact of changes and enable rollback of assets, if required.

Report and graph your quality process.

HP Quality Center has an integrated Dashboard module to centralize quality reporting so you can make real-time decisions based on application status across projects and QA initiatives. HP Quality Center can also export a report source into Microsoft Excel, letting your end users perform endless data manipulation.

Get change impact and service-oriented quality management.

The HP Service Test Management module is a complementary solution which lets your IT teams automatically create QA testing requirements and test assets for service-oriented architecture (SOA) services and environments. HP Service Test Management supports change impact testing for SOA services and integrates seamlessly with HP SOA Center software.

The HP Change Impact Testing module for SAP applications is an integrated set of software, services and best practices for automating key SAP quality activities. This module lets you improve your applications by focusing your testing at the right time on the SAP transactions and business processes that are impacted by changes, so you can release applications with high quality and at a low level of risk.

Key features and benefits

- Supports the complete end-to-end quality management process
- Allows you to manage multiple requirements types and conduct three-way traceability between requirements, tests and defects, across multiple releases and cycles
- 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
- Lets your teams create requirements and test assets for SOA services and environments
- Enables your teams to use versioning and baselining to manage multiple versions of requirements and tests
- Enables your teams to share and reuse asset libraries, and manage multiple versions of requirements, tests and test components
- Allows managers to make informed “go-live” decisions based on quantifiable business risk using information about requirements coverage, planning progress, run schedules or defect statistics
- Enables you to centrally manage and propagate workflows and user-defined fields to enforce standardized processes and best practices across projects and initiatives

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 solutions—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.

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