



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

Data sheet

HP Quality Center software is an industry-leading, global quality management software solution. 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 across testing stages.

HP Quality Center brings structure to your testing projects and stores information 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 (formerly TestDirector for Quality Center)
- HP Quality Center Premier software

HP Quality Center Starter Edition

The software addresses the needs of entry-level quality assurance (QA) organizations getting started with testing.



HP Quality Center Enterprise

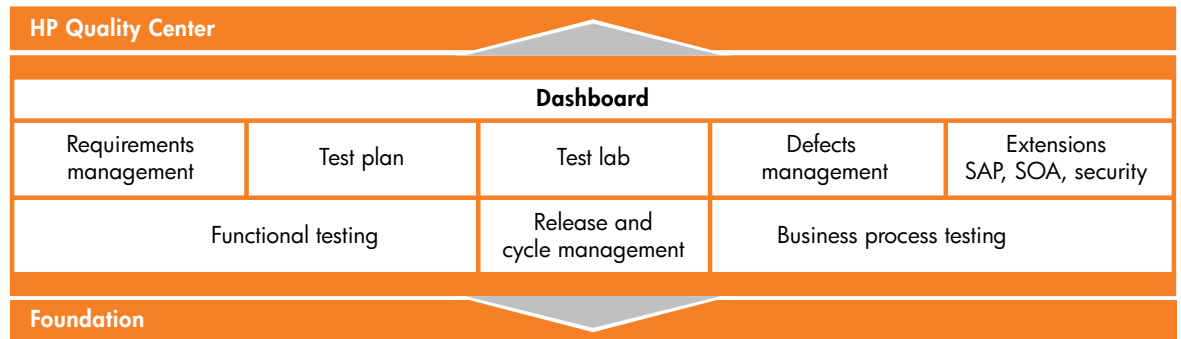
HP Quality Center Enterprise (formerly TestDirector for Quality Center) is suitable for more mainstream QA organizations that are managing medium to large releases. It contains the full complement of HP Quality Center modules, but not the advanced capabilities of Quality Center Premier.

HP Quality Center Premier

The software is a new platform designed for the needs of large and global organizations who manage enterprise-wide releases spanning hundreds of applications. HP Quality Center Premier includes all the features of HP Quality Center Enterprise plus additional features to address the business problems of these mature customers. It is ideal for customers with a quality Center of Excellence (COE).

Asset versioning

HP Quality Center Enterprise allows you to manage multiple versions of requirements and tests, compare, and retrieve details of prior versions.



Key benefits of HP Quality Center Enterprise

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

- Business analysts can define application requirements and testing objectives based on business priorities
- QA managers can prioritize testing efforts based on business risk
- Test 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 results, and enter defects
- Business analysts and QA testers can manage multiple versions of tests and test assets while maintaining data integrity
- Developers can review and correct defects logged into the HP Quality Center database
- Project managers can review quality metrics and decide whether an application is ready for release

Key benefits of HP Quality Center Premier

In addition to the benefits offered by HP Quality Center Enterprise, HP Quality Center Premier delivers incremental benefits for mature customers:

- QA administrators can enforce standardized processes and best practices across projects
- Business analysts, developers, and QA testers can share and reuse asset libraries across projects to reduce duplication of effort

- Developers can share defects across projects to increase efficiency and reduce risk
- Release planners and managers can aggregate quality metrics across projects

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. The following modules are offered in both HP Quality Center Enterprise and HP Quality Center Premier.

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 notification of any requirements changes that impact their activities.

Align testing priorities based on risk

HP Quality Center provides risk-based quality management to objectively assess and prioritize the highest risk, highest priority requirements so you can optimize your testing effort based on 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, and the ability to leverage HP Business Process Testing software for collaborative test design.

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 if your release is on track.

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 functional, regression, load, unit, and integration testing—each with its own set of requirements, schedules, and procedures. Defining dependencies among tests lets you realistically emulate real-life business processes and easily maintain and reuse tests.

Track defects

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

Use versioning and baselining

Change management capabilities are provided through version control for requirements, tests, test scripts, business components, and flows. Versioning allows distributed teams to collaborate and manage multiple versions of test assets, 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 and enable real-time decisions based on application status. HP Quality Center can also export a report into Microsoft Excel, allowing your end users to perform endless data manipulation.

The incremental value of HP Quality Center Premier

HP Quality Center Premier offers all of the features of HP Quality Center Enterprise, plus incremental functionality designed for mature, global QA organizations managing large and complex enterprise-wide releases. The following capabilities are available on the HP Quality Center Premier platform only.

Standardize processes and best practices

Process standardization is 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 Premier supports sharing and reuse of asset libraries across projects. Sharable libraries help you manage initiatives with multiple applications to verify that changes to one application do not negatively impact another application. Specific changes can be applied to the shared assets for each project while allowing the library to maintain its integrity.

Defect sharing

The software allows you to share defects across projects, reducing risk by helping developers find, prioritize, and resolve defects sooner. A centralized defect repository also enables reporting of aggregated defect status and trends across projects.

Cross-project reporting

The ability to aggregate quality metrics across projects provides a holistic view of quality status, reducing risk, and enabling more informed release decisions.

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.

Key overall HP Quality Center features and benefits

- Support the complete end-to-end quality management process
- Manage multiple requirements types and conduct three-way traceability
- Manage manual and automated testing
- Accelerate testing cycles by scheduling and running tests automatically, unattended, 24x7
- Create requirements and test assets for SOA services and environments
- Use versioning and baselining to manage multiple versions of requirements and tests
- Make more informed “go-live” decisions based on comprehensive view of quality status
- Enforce standardized processes and best practices across projects (QC Premier)
- Share and reuse asset libraries across projects to reduce duplication of effort (QC Premier)
- Shared defect across projects to increase developer efficiency and reduce risk (QC Premier)
- Aggregate quality metrics across projects for an enterprise-wide view of quality status (QC Premier)

For more information

To learn more about HP Quality Center software, go to www.hp.com/go/quality

Technology for better business outcomes

To learn more, visit www.hp.com/go/quality

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