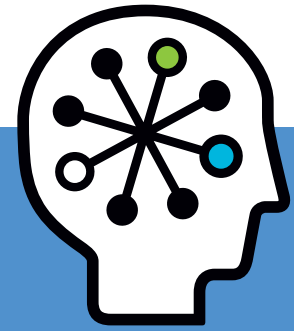




HP Quality Center Requirements Management module

Data sheet



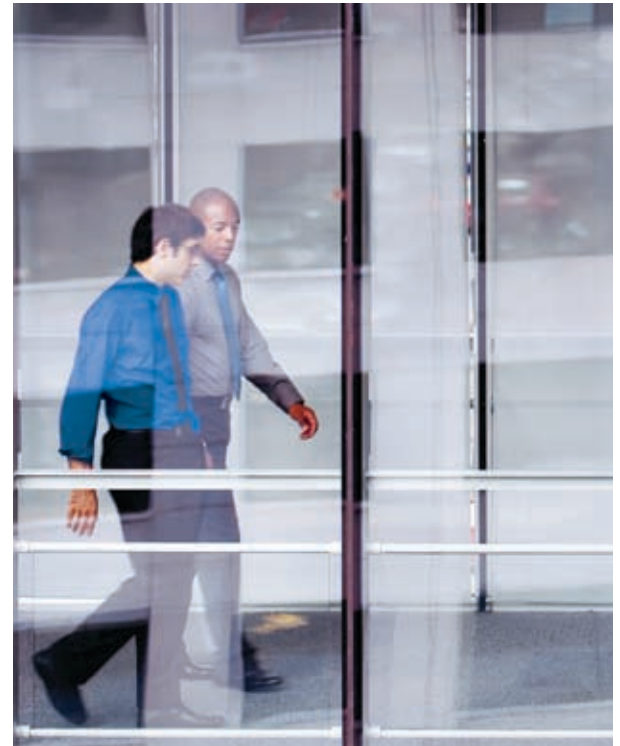
HP Quality Center software's Requirements Management module is a comprehensive, integrated solution for capturing, managing, and tracking requirements at every step of the application development lifecycle.

Align your IT deliverables with business objectives.

The Requirements Management module is a robust, easy-to-use solution that helps your project teams provide that application functionality meets business needs. We designed this module for use by business analysts, quality assurance (QA), and development teams to manage and validate several different types of requirements. Through accurate requirements and risk-based test management, development and testing teams can focus their efforts on high-priority business needs and ensure that decisions to proceed are based on quantifiable business risk.

HP Quality Center manages requirements within a centralized repository. This allows distributed teams to collaborate and share requirements while they manage multi-dimensional traceability among requirements, tests, and defects across releases and cycles.

When requirements change, a change impact report highlights all affected requirements and notifies project teams of the impact. Version control allows teams to collaborate and share data without the risk of overriding each other's work, and baselines help stakeholders see when a project is ready to move to the next stage in the lifecycle. Real-time visibility of requirements coverage and associated defects builds confidence in go/no-go decisions.



Key features and benefits

By adding consistency and structure to your requirements management processes, your development teams can:

- Easily access requirements data through a centralized, Web-based repository accessible to the entire team
- Review requirements coverage and application quality to make better application release decisions
- Prioritize requirements and align testing goals with business priorities to enable compliance and manage change
- Validate application requirements and maintain traceability and an audit trail among requirements, tests, and defects

Analysts report that as many as 71% of software projects that fail do so because of poor requirements management, making it the single biggest reason for project failure—more than bad technology, missed deadlines or change management fiascos.

—Christopher Lindquist, *Fixing the Requirements Mess*, CIO Magazine

- Highlight interdependencies between requirements and provide change impact analysis including change notification to affected personnel
- Facilitate data integrity and team collaboration through versioning and baselining of requirements
- Integrate data with Microsoft® Word, Microsoft Excel®, and third-party requirements definition tools for complete coverage
- Support customizable fields and flows for user-specific processes
- Allow real-time reporting and analysis of application readiness

How it works

Capture different types of requirements.

One of the most critical roles in the requirements management process is that of the business analyst. Business analysts act as a liaison among project stakeholders to gather, analyze, communicate, and validate requirements related to new IT projects or changes to existing applications, processes, or policies.

The Requirements Management module in HP Quality Center provides business analysts and other key stakeholders with multiple preconfigured requirement types—from technical specifications to use cases. It also supports customizable requirements types to capture all levels of requirements and store them in the centralized repository, along with any supporting attachments.

Manage requirements with native version control and baselining.

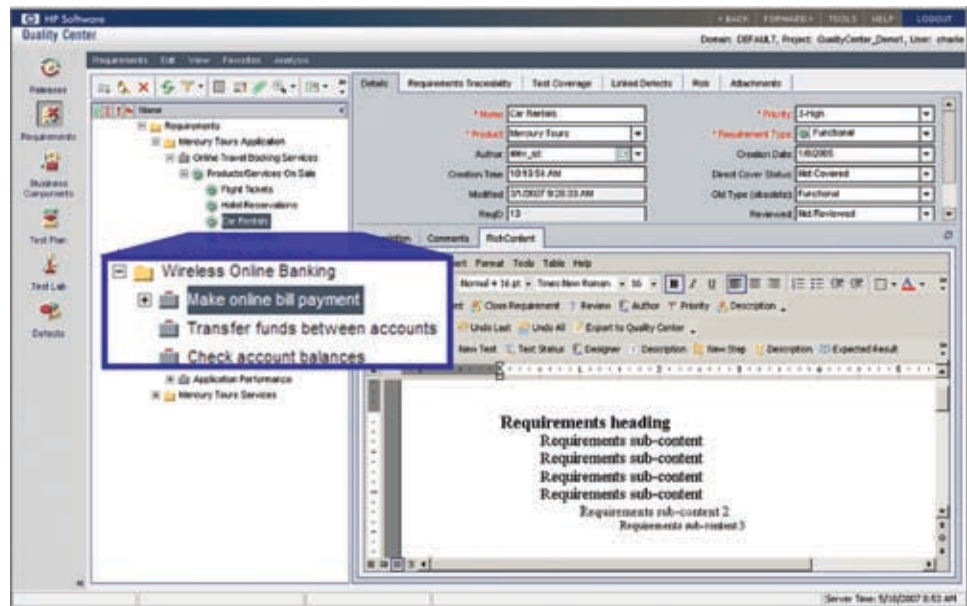
By storing the requirements in a centralized location and leveraging the native versioning capabilities in HP Quality Center, business analysts, developers, and testers can collaborate and share data without overriding each other's work. Baselines can also be captured, including full traceability linkages, which helps you make more informed decisions about when requirements are ready to be moved to the next stage of the lifecycle.

Establish requirements traceability.

In the Requirements Management module, you can organize requirements according to parent-child traceability. This allows you to specify and easily identify relationships between requirements.

You can also tie requirements to functional test cases, thus establishing a traceable link to the corresponding requirements definition. Test cases can be auto-generated from requirements, which reduces the time needed to build tests and enables the best possible coverage. HP Quality Center also provides traceability throughout the testing lifecycle so you can easily track the percentage of requirements covered by your tests and their pass/fail status.

As requirements change, an impact analysis report can help you identify other requirements affected by the change, providing you greater visibility as well as helping you improve your change management processes.



Reuse and share application requirements.

With HP Quality Center, you can store requirements in a shared library, allowing multiple business units to contribute to and reuse requirements assets. Requirements can be reused “as is” or modified by creating a new version for each project. This flexibility reduces duplication, and supports compliance requirements by mandating that specific requirements be used to enable regulatory or process compliance.

Manage user stories for your agile projects.

HP Quality Center allows you to organize requirements according to release and development cycles, helping you support agile development projects. Agile project teams can use HP Quality Center to assign user stories to iterations, and track the progress of a project from start to completion.

Align testing priorities based on risk.

No QA organization can test every requirement. HP Quality Center includes risk-based quality management so that you can improve your testing effort based on an objective risk assessment of each requirement. This allows you to align your test strategies with the most important requirements for your business.

Requirements Management for any type and size of enterprise

If you prefer the familiar interface of Microsoft Word, the Requirements Management module offers a rich text editor with the same functionality for data input as Microsoft Word. Alternatively, you can import requirements into HP Quality Center from Microsoft Word or Microsoft Excel, eliminating the need to re-enter existing requirements information. And because requirements are managed in HP Quality Center’s central repository, you can also use the Requirements Management Synchronizer tool to easily import data from many third-party solutions directly into the HP Quality Center Requirements Management module.

The open APIs that allow HP to build out-of-the box integrations with many of the industry-leading universal modelling language (UML) solution vendors are also documented and available to our customers to build custom functionality extensions and third-party integrations.

A complete solution

Comprehensive training

HP provides a comprehensive curriculum of HP Software and IT Service Management courses. These offerings deliver training to help you realize the full potential of your HP solutions, increase network responsiveness, and achieve better return on your IT investments.

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Contact information

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Technology for better business outcomes

To learn more, visit <http://support.openview.hp.com>

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