Hewlett Packard Enterprise

Data sheet

HPE Quality Center software

Quality management software delivers highest quality applications

Key benefits and features

- Requirements management
- Risk-based test planning and management
- Quality release and cycle management
- Version control
- Baselining
- Test scheduling and execution
- HPE Sprinter-integrated manual testing
- Defect management
- Reporting and graphing
- Developer collaboration
- Synchronization with HPE Agile Manager

Quality businesses demand

Today's business climate demands innovate software to support growth and success; quality has never been more critical.

As the pace of competition and business change accelerates, IT quality teams need solutions enabling them to deliver modernized applications faster while maintaining and improving quality, reliability, and security. Hewlett Packard Enterprise Quality Center software is the right quality management solution for time-pressured quality teams working in partnership with development, business analysis, and delivery teams to deliver the promise of modern applications for business success.

HPE Quality Center is a comprehensive, unified, and extensible application software quality platform. It manages and automates delivery of secure, reliable, and high-quality applications. Implement complete IT quality management and establish consistent, repeatable processes for managing requirements, tests, and business components with HPE Quality Center.

Drive quality through the application lifecycle

Software today is core to any business process and ultimately every business outcome. Organizations cannot afford to deliver a poor quality application as the costs to productivity, customer satisfaction, and even revenue generation can be severe. To keep business running smoothly, organizations need to make sure that their applications function as expected, perform even under variable consumption loads, and meet security levels demanded by the risk profile of the application to the business. Moreover, security in particular has come forward as a critical aspect of application quality, because the risk of exploitation by hackers has grown substantially with the advent of Web 2.0, mobile devices, and cloud-based delivery models. As a result, functionality, performance, and security expectations, or requirements, all drive quality processes and lead to adoption of new testing methods. Today's quality assurance (QA) team needs the efficiencies delivered by an integrated platform designed to manage and control quality through the lifecycle. HPE Quality Center is that modern quality management platform.

Too often, organizations are still relying on standalone documents or a collection of disparate systems to keep track of their quality and testing efforts, and their testing assets resulting in:

- Increased risk of finding defects in production
- High costs due to a lack of consistent and repeatable processes
- Unclear requirements resulting in development and QA not delivering what the business wants
- No single point of truth, finger-pointing, and inefficient handoffs
- Redundant testing due to missing information
- Poor decisions due to inadequate visibility into project progress and status
- And, many hours spent compiling reports that are immediately out of date

To help ensure the quality of an application by leveraging consistent, repeatable, and standardized processes, thousands of organizations have adopted HPE Quality Center quality management software.

"HPE Quality Center software gives us the information we need to support quality across the development cycle. We now do much more than simply catch defects. We can reduce the risk of defects in the first place, streamline development processes, and do it all with fewer resources while supporting more software applications than ever before."

– David Moses, QA Manager, delta.com, Self-Service & CRM—Delta Air Lines, Inc.

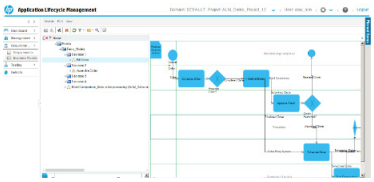

Figure 1. Importing a business process model in HPE Quality Center and aligning business process to requirements

HPE Quality Center: a unified, comprehensive, scalable platform for application quality management

HPE Quality Center is a unified quality management platform that efficiently scales from a single project to multiple, enterprise-wide projects and releases. It enables you to manage application quality with consistent, repeatable processes regardless of your methodology of choice, from Waterfall to iterative methodologies such as Agile.

HPE Quality Center supports requirements definition and management, release and cycle management, test management including planning and scheduling, defects management, and reporting, altogether within a single platform with complete traceability driving collaboration between business analysts, QA, and development teams.

HPE Quality Center is a Web-based quality management solution providing access to a steel thread of critical project information. This information bridges distributed teams in their related efforts to deliver high quality applications, regardless of geographic and organizational boundaries.

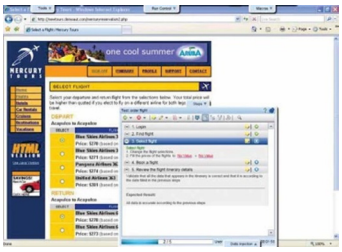

Figure 2. HPE Sprinter—raising the bar on efficient manual testing

Key features and benefits

Requirements management
HPE Quality Center supports a functionally rich foundation for requirements management. Key capabilities include:

- Standardizing requirements definition via configurable templates
- A rich text editor that provides a Microsoft® Word-like experience
- The ability to view requirements coverage at project or release level
- Trace relationships between requirements, process paths, defects, and test coverage
- Link requirements directly to tests, developer tasks, and defects—to facilitate alignment with change

Risk-based test planning and management
Define, manage, and track all test script types (functional, performance, and security) in one place. Coupled with risk-based test management, stakeholders can assign business risk to requirements, and calculate where to apply testing resources. Advanced test planning capabilities allow functional, regression, load, unit, and integration testing—each with its own set of requirements, schedules, and procedures. QA teams can emulate business processes, run tests unattended, define and share test cases and business process test components, and execute manual and automated testing with integrated results.

Quality release and cycle management
Release and cycle management enables quick development and testing cycles, and breaks large projects into meaningful phases. Release effort can be planned by identifying requirements and tests for each cycle and attaining real-time visibility into actual vs. planned testing status to make informed decisions.

Version control

Version control is enabled for requirements, tests, and test assets to enable distributed teams to collaborate and manage multiple versions of assets in parallel while maintaining data integrity and providing audit history of changes through the project lifecycle.

Baselining

Baselining captures a group of requirements, tests, or test assets at strategic points in the project lifecycle to mark specific milestones. Baselines can be compared for change impact and to enable rollback.

Test scheduling and execution

Control and schedule execution of manual and automated tests, including unattended execution. Execute manual tests with HPE Sprinter, an innovative manual testing product from HPE. View execution runs, results, and log defects with run details.

HPE Sprinter—integrated manual testing

HPE Sprinter is a manual testing revolution targeted at increasing efficiency of manual testing activities and capturing intelligent defect information for faster resolution by development teams (see figure 2). Fully integrated into HPE Quality Center, HPE Sprinter improves tester productivity and accuracy with easy-to-use screen tool bars, screen annotation, video, and textual test step capture, intelligent defect logging, automated data injection for repetitive testing, and mirrored platform support—to execute one test targeted on multiple platforms. HPE Sprinter is particularly valuable for teams conducting exploratory testing and manual testing frequently in iterative environments.

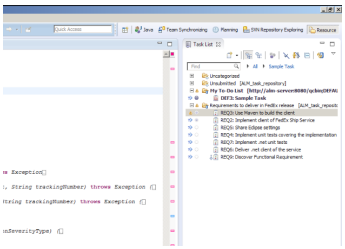

Figure 3. Quality Center defects and requirements are integrated inside Eclipse, Microsoft Visual Studio, and IntelliJ

Defect management

Defects found once an application is in production costs over 100 percent more to fix. HPE Quality Center defect management identifies, manages, tracks, and enforces defect resolution across the application lifecycle. Testers can create functional, performance, and application security defects manually or directly from the execution of manual and automated tests, and communicate them to developers with context from linked requirements and test execution results.

Reporting and graphing

HPE Quality Center has an integrated dashboard module to centralize IT quality management reporting so you can make real-time decisions based on application status across projects and QA initiatives. HPE Quality Center can also export a report source into Microsoft Excel, letting your end users perform flexible data manipulation. In addition, the document generator within HPE Quality Center allows you to push requirements, tests, defects, and their associated data to a Microsoft Word document.

Developer collaboration
To efficiently promote quality management through the lifecycle, requirements and defects need to be communicated to developers without requiring the learning and use of a new or additional development tool. HPE Quality Center provides supported integrations into integrated development environments (IDE) for linking tasks, requirements, and defects. Using HPE Quality Center, developer tasks are tracked against the requirements and defects in order to track project progress and evaluate risk.

HPE Quality Center and Agile delivery
HPE Quality Center supports Agile delivery by enabling teams to track project status, accelerate testing, reduce cost, improve development and QA collaboration, and manage both Agile and non-Agile projects in parallel. Your teams can leverage the two-way synchronization between HPE Agile Manager and HPE Quality Center. HPE Agile Manager is a new, unified, easy-to-use communication hub and decision support system that streamlines the process of organizing, planning, and delivering Agile projects.

Bridge the quality gap between subject-matter experts and quality engineers
HPE Business Process Testing (BPT) software brings business analysts into the process of defining business-driven testing use cases and process flows and using them to increase the accuracy of tests. Using BPT, the test engineer is able to create reusable test components that map to business process test use cases using both manual and automated methods, and share them with distributed quality management teams within HPE Quality Center.

Start engaging with HPE SaaS at saas.hp.com.

Connect with peers and HPE Software experts at hp.com/go/swcommunity.

Delivery—the way you need it

Available as SaaS and on-premise
HPE Quality Center offers both, on-premise perpetual, as well as software-as-a-service (SaaS) subscription offerings. SaaS enables faster time-to-value, whether you need quick and secure access to the software, or you engage our experts to help drive efficiency into your quality management practice.

HPE Quality Center on SaaS customers can manage and test application quality through the software lifecycle. The benefits of cloud deployment include reducing resources to manage actual technology and removing the burden of migrations or upgrades. Overall, this allows our customers to benefit from the latest HPE Software technology innovations while focusing on executing their core business strategy and creating business outcomes as their competitive advantage.

HPE Quality Center on SaaS brings the following business benefits:

Flexible delivery and subscription model for lower total cost of ownership (TCO)

Predictable IT expenditure and service-level agreements (SLAs)

Agility to scale and change when business demands

On-demand scalability, multi-layer security, 24x7 support and expertise available

Access to latest technology and HPE Software innovations

Upgrade to SaaS means less risk, cost, and technology management, and greater focus on delivering business outcomes

HPE Professional Services

HPE Quality Center professional services focus on innovative quality management solutions for lifecycle management of modern era enterprise applications. These include:

- Enterprise agility solutions for scaling Agile and lean practices at different levels of the enterprise—from large Agile teams up to Agile portfolio management
- DevOps solutions for driving agility across the IT value chain (requirements to deployment)
- HPE Enterprise Mobility solutions for supporting DevOps solutions specific to extreme Agile mobile applications
- HPE Quality Center Optimization solutions for helping our customers accelerate value and return on investment (ROI) using HPE Quality Center technologies based on our library of best practices and pre-build accelerator utilities
- Cloud ALM solutions that exploit on-demand infrastructure and platform capabilities to deliver services on a consumption-based model
- Enterprise Centers of Excellence (CoE) solutions for HPE Quality Center functions such as testing, service virtualization, Agile, and requirements management
- We offer outcome-based services geared toward generating specific outcomes that are enabled through SLAs. Try it today at saas.hp.com/software/Quality-Center.

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