

Serena HP Quality Center Integration

Bridge the Gaps between Development and Testing

The need for speed is greater than ever. According to leading analysts, IT organizations can expect their workload to increase by 25%, and business users and stakeholders expect this work to be completed 25% faster. IT executives know that they need to orchestrate and streamline the entire development lifecycle, but they face disparate teams, localized processes, and entrenched tools. Adding to this challenge is the need to meet regular audits and compliance checks, especially for IT organizations in regulated industries like finance and healthcare.

Serena and HP provide an integrated solution that enables business analysts, development teams, and quality assurance professionals to quickly address their most critical requests and issues. By orchestrating and streamlining traditionally manual processes between issue and defect management, requirements management, software change management, and quality assurance, Serena and HP give IT executives real-time visibility and comprehensive traceability throughout the entire application development lifecycle.

Serena ALM and HP Quality Center

Serena provides a comprehensive Application Lifecycle Management (ALM) software suite, with products that can seamlessly work with HP Quality Center, including:

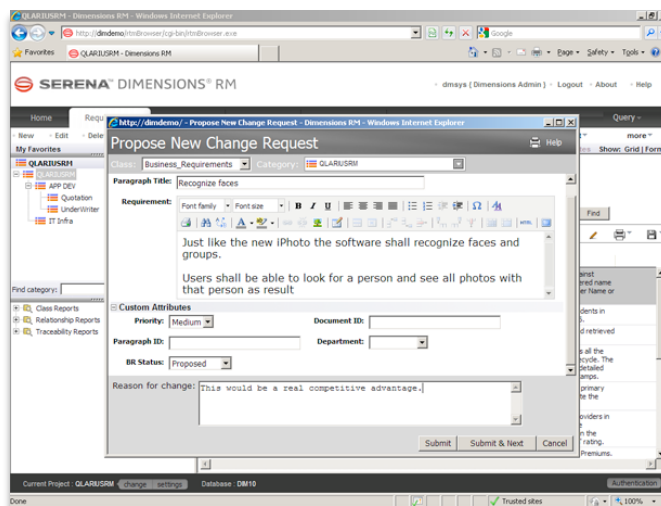
- **Serena Business Manager:** this solution orchestrates, integrates, and automates development processes between Serena products and third-party products, including HP Quality Center
- **Serena Issue and Defect Management:** Provides an automated process for developers to view issues in their queue, share commit information directly from within their IDE tools, and track code changes
- **Serena Dimensions RM:** Offers distributed teams a collaborative way to capture detailed requirements, manage changes, and perform traceability analysis
- **Serena Dimensions CM:** provides a single global repository for distributed development teams to manage complex configurations, view full histories of change records, and manage baselines

SOLUTION BENEFITS

Visibility: End-to-end insight into all issues, defects, requirements, and tests

Speed: Orchestrated and streamlined integration across the entire application development lifecycle

Auditability: Comprehensive traceability from initial issue, through software update and test, to final release into production



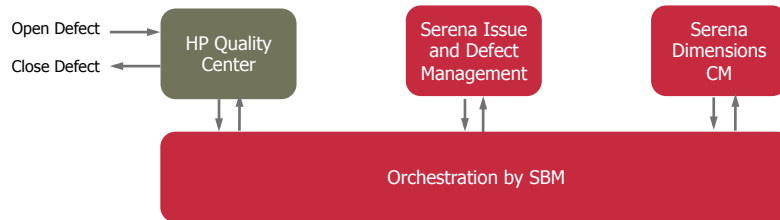
Serena and HP's integrated solution streamlines communication between distributed development and quality assurance teams.

Key Capabilities

Integration between Serena and HP provides IT organizations the following capabilities to more efficiently manage their issues, requirements, software configurations, and tests:

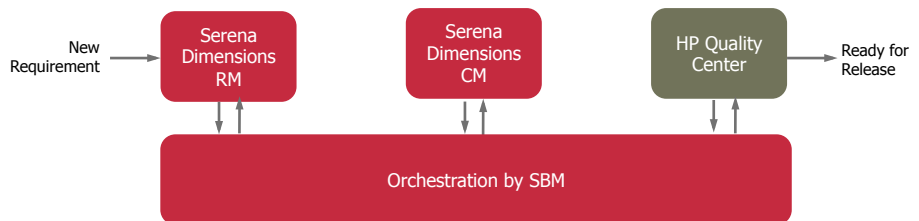
- Automatically create items – such as defects, work requests, requirements, and test cases – based on specific actions in HP Quality Center or Serena products
- Synchronize items, statuses, and fields between Serena products and HP Quality Center as items progress through the development lifecycle
- Track history of changes across HP and Serena products

For software defects, Serena and HP provide a closed-loop process for development and quality teams. When a defect is created in HP Quality Center, Serena Business Manager (SBM) automatically opens an issue in Serena Issue and Defect Management. SBM can also assign the issue to a developer as a work request in Dimensions CM, so the developer can immediately start working on the issue. As the developer updates the work request, information in HP Quality Center is automatically updated via the process orchestration capabilities of SBM. Once the QA team verifies the fix, they can close out the defect in HP Quality Center, which automatically closes the issue and updates the information in all Serena products.



Software Defect Process with Serena and HP

Serena and HP's integrated solution also helps development and quality professionals easily manage new requirements. When a requirement is created in Dimensions RM, SBM automatically creates a work request in Serena Dimensions CM for development, and an open test case is created in HP Quality Center. As the requirement gets updated and the code released for testing, SBM ensures all Serena and HP products are synchronized all the way through test completion. Upon test completion, test results for the requirement are automatically updated in Serena Dimensions RM.



Software Requirements Process with Serena and HP

ABOUT SERENA

Serena Software is the world's largest independent Application Lifecycle Management (ALM) vendor, helping organizations orchestrate their application development, IT, and business processes. More than 3,000 active enterprise customers, encompassing almost one million users worldwide, depend on Serena to deliver great applications.

For more information, visit www.serena.com.

SERENA ALM SOLUTIONS

The world's largest organizations depend on Serena's ALM solutions – including Serena Dimensions CM, Serena Dimensions RM, Serena Issue and Defect Management, and Serena Business Manager – to deliver great applications with confidence and to automate application development processes for unparalleled speed, auditability, and efficiency.