

HP Application Lifecycle Management software

Data sheet

HP Application Lifecycle Management software is your key to driving better business outcomes from your application teams. With HP Application Lifecycle Management, you can bring predictability, repeatability, agility, and higher quality to the full application lifecycle.

Cut application cost and complexity and improve quality

Businesses are demanding better outcomes from their IT investments. But they face decades of investment in IT infrastructure and applications. How can you attain more agility, a faster pace of innovation, and richer application functionality while keeping costs down? The journey begins by embarking on application transformation designed to refresh outdated, legacy applications. However, the means of modernization—distributed global teams, iterative methodologies, and new technologies—pose new challenges to application organizations.

Traditionally, application releases have been managed as siloed projects. Communication between application teams was sparse or nonexistent. Enter “application transformation,” an effort to break up these silos to attain agility. Application transformation has led to the development and accumulation of hundreds of services and composite applications that are designed to combine quickly to achieve a business goal. While this promises agility, it also means that these applications and services need to be tested and released together, adding a significant management challenge for distributed project teams.

IT often refers to these groups of services and composite applications as “enterprise releases” or “enterprise release trains.” The applications and services that are ready for production get included in the release; those applications that aren’t ready must wait until the next release train. The combination of more moving parts, dependencies, and enterprise

release trains is one of the major drivers of the shift to implement software solutions for managing the application lifecycle.

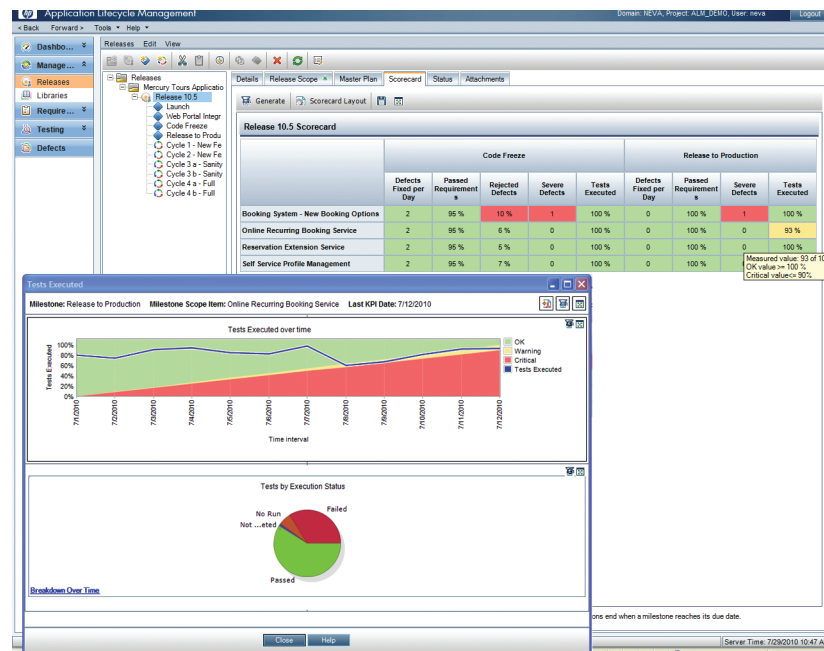
The advent of application transformation and enterprise releases has driven the need to:

- Centrally manage and track all application projects
- Attain real-time visibility into the application delivery process
- Centralize the management and enforcement of consistent workflows and processes across the application lifecycle
- Reduce duplication of effort between projects
- Provide an aggregated, cross-application project view of quality status and defect trends to support more informed decisions at the enterprise release level
- Facilitate collaboration and communication between the business, development, QA, and operations teams, both inside and outsourced, across multiple projects

Application transformation demands the delivery of high-quality applications that meet business goals while supporting predictability, repeatability, and agility across the application lifecycle. Attaining high quality while driving agility is core to the effective delivery of modern applications. HP Application Lifecycle Management is designed to accelerate application transformation, drive collaboration across distributed teams, and achieve quality at the core. HP Application Lifecycle Management is IT’s answer to delivering applications for better business outcomes.



Scorecards allow the tracking of the releases' progress and status of KPIs. Further information can be obtained by drilling down on the KPIs.



About HP Application Lifecycle Management

HP Application Lifecycle Management software provides a centralized platform for managing and automating activities required for the core application lifecycle, and to help drive complete lifecycle management of applications from inception to retirement. HP Application Lifecycle Management accelerates application transformation by empowering application teams to plan, build, and prepare for the release of applications, components, and services with fewer delays and better quality.

HP Application Lifecycle Management closes the gaps between IT team silos and disjointed work processes related to project planning and tracking, requirements definition and management, application development, functional, performance, and security testing activities, defect tracking, and application readiness for release. In addition, HP Application Lifecycle

Management provides complete line of sight across teams and enterprise release trains throughout the core application lifecycle, preparing all stakeholders for the impact of change that comes from application transformation and reducing the “time to know” that can result in errors and lack of delivery readiness.

HP Application Lifecycle Management expands HP Quality Center Enterprise software with enhanced functionality to address the needs of large, global enterprises with initiatives that span up to hundreds of applications and geographically distributed teams. It is ideal for customers who have an application center of excellence. HP Application Lifecycle Management addresses these challenges and enables organizations to drive consistent processes, shared practices, and improve productivity and collaboration across all application projects. Built on a consistent, open, and standards-based architecture, the shared repository is easily extended.

“The refreshing thing about the HP ALM strategy discussion was its focus on ‘business outcomes,’ ... its use [of] business context to frame the growing needs for collaboration between development and operations.”
—“HP’s Application Lifecycle Strategy,”
Ptak Noel and Associates LLC, July 2010

Key features and benefits

HP Application Lifecycle Management contains all the key features and benefits of HP Quality Center plus:

Track and measure project milestones and key performance indicators (KPIs)	Although project plans and associated tasks are clearly defined, these plans are often not updated, nor do they always reflect the actual progress and status of the tasks and project. This is largely due to the manual effort associated with aggregating results and calculating trends from multiple tools, which makes it very difficult to surface any risk within the project. Project Planning and Tracking allows project and QA managers to set the project plan in HP Application Lifecycle Management and define the milestones (quality gates) and associated KPIs (exit criteria) for each task. HP Application Lifecycle Management, through its traceability capabilities, automatically updates the progress of the project, allowing risks to be highlighted upfront.
Enable centralized management and enforcement of consistent workflows and processes	Lack of standard processes, workflows, and metrics across an enterprise can create large inconsistencies across projects, resulting in varying release quality and delivery timeframes. These inconsistencies can increase costs associated with aggregating different metrics into a normalized form and training resources when they are shared between projects. HP Application Lifecycle Management enables you to enforce standardized processes, policies, and metrics by centrally creating templates with mandatory workflows and user-defined fields, and propagating them automatically across multiple projects. This allows organizations to drive consistency in processes, best practices, and metrics.
Reduce duplication of effort through asset sharing and reuse	<p>Since many applications within an organization are being changed simultaneously as part of different projects, there is a need to share and reuse requirements and tests across multiple projects and initiatives, particularly to verify that changes to one application don't negatively impact another, producing rework. HP Application Lifecycle Management allows organizations to manage and deliver shared asset libraries that can be shared and reused across projects and initiatives while maintaining traceability. 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, incorporating any change that has occurred.</p> <p>Another challenge with having multiple simultaneous projects is that defects found in one project need to be fixed in other projects or releases. As projects are often isolated, miscommunication between QA and the developers can result in defects being discovered in production. HP Application Lifecycle Management provides cross-project defect collaboration so that defects are reflected in all of the projects they impact.</p>
Gain visibility into entire application portfolio	To gain full insight into all your applications initiatives and make informed enterprise release decisions, you need a holistic view and the ability to drill down into all your application projects and programs. HP Application Lifecycle Management provides these capabilities through cross-project reporting that delivers aggregated project status metrics, application quality metrics, requirements coverage, and defect trends across projects. You gain the visibility and complete picture needed to understand release status, reduce risk, and deliver on-time, quality applications to the business.
Increase communication and collaboration between key stakeholders	Developers are key stakeholders in the application lifecycle. It is important that tasks, requirements, and defects be communicated to developers without requiring them to learn and use additional tools. HP Application Lifecycle Management provides supported integrations into integrated development environments (IDEs) and source code change management systems for linking tasks, requirements, and defects. Using HP Application Lifecycle Management, developer tasks and code changes are tracked against the requirements in order to track project progress and evaluate risk.

Integration with HP Performance Center

HP Performance Center also integrates with HP Application Lifecycle Management to provide integrated reporting into the performance of an application, giving you a single view into the status of the manual, functional, performance, and security tests to determine the exact quality of the application at any given time.

HP Application Lifecycle Management and Agile

HP Application Lifecycle Management supports Agile delivery by enabling teams to accelerate testing, reduce cost, improve development and QA collaboration, and manage both Agile and non-Agile projects in parallel. The software does this by reducing testing complexity to allow nontechnical personnel to participate in test execution, by streamlining manual testing, and by supporting exploratory and unit testing during development. It also supports Agile delivery teams by enabling sharing and reuse of assets across projects and between teams.

HP BTO Applications automation solutions provide test automation and functional, performance, and security testing, for multilayered applications from the services layer, through the GUI to the business process layer. This allows testing and automation to begin before the full application is developed. Teams can gain insight into the quality, security, and performance trends by automating multilevel, role-based reporting per iteration.

Collaboration between business analysts, development, and QA is facilitated by delivering requirements, user stories, tasks, and defects directly to the developers' IDE. There is no need for the developers to leave their development environment. As developers work in their chosen IDE environment, they can synchronize data to HP Application Lifecycle Management. Teams can leverage HP Application Lifecycle Management and the HP Agile Accelerator to manage the Agile workflow across development and QA, while aggregating project status and quality metrics across both Agile and non-Agile projects running in parallel.

About HP BTO Application Solutions

HP BTO Application Solutions help ensure modernization initiatives deliver business outcomes instead of failing under the burden of outdated, legacy delivery mechanisms. Where rival solutions mistake the software development lifecycle for a total picture of the application, HP sees core delivery in the context of the complete application lifecycle—from business idea through retirement. Furthermore, by providing unified management and automation solutions, HP offers customers not simply more tools and integrations but greater simplicity. The result for enterprise application teams is improved predictability, repeatability, quality, and change readiness in both the core and complete lifecycle.

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