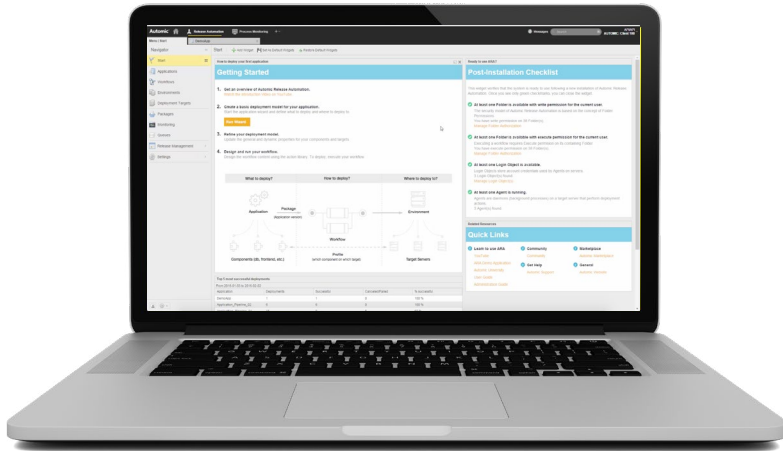# The HP Quality Center Package Continuous Delivery from Automic

Key Benefits

- Creation, update, deletion or reference of HP Quality Center defects within automated release pipelines
- Ability to incorporate HP UFT test sets in deployment workflows and continue or cancel them based on the test results
- Notification of administrators, developers, and testers about failed automated deployments due to unsuccessful test results
- Automatic attachment of test reports, screenshots and other useful artifacts to HP QC defects

Orchestrate all the moving parts – people, process and technology – involved in HP Quality Center (QC) and Unified Functional Testing (UFT) as part of deployment and release workflows

Business Challenge

Application development and operations teams are being forced to change their working practices to facilitate growth and innovation while maintaining compliance. Unified development and operations teams are solely focused on delivering more application releases faster while still maintaining the quality of the applications being released.

A crucial part of Application Release Automation (ARA) is the ability to incorporate smoke tests, along with other automated tests, into deployment workflows and continue or cancel them based on the test results. Velocity without quality checks and validations only escalates risk and disrupts the work streams of development and operations teams.

The Automic Solution

The HP Quality Center Package from Automic Release Automation allows you to build visual workflows to fully automate all of the query, creation, update or deletion of HP QC defects and the execution of HP UFT test sets. These workflows can be executed independently or as part of a deployment or release workflow. Deployment workflows can proceed, be canceled, or even rolled back based on test results or the status of a defect.

How It Works

The HP Quality Center Package combines an integrated application packaging system, smart deployment models and out-of-the-box actions for common QC and UFT tasks with robust workflow design and high volume execution capability. The HP Quality Center Package allows users to automate HP QC and HP UFT from Automic Automation Engine workflows. Several key capabilities make the HP Quality Center Package part of the most complete solution on the market.

Package Manager

A unique Package Manager lets users manually or automatically create user application artifact packages that include updates to QC defects and the execution of UFT test sets as part of the deployment process. Packages are promoted across environments and tracked by the system, so users always know which versions have been deployed and where, and which test criteria they have passed. Once an application is ready for production, Automic's Package Manager will intelligently only execute production appropriate test sets, such as a smoke test, after a deployment completes.

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Workflows

A workflow editor provides an integrated browser-based canvas with drag-and-drop actions and flow control features. The workflow editor provides workflow versioning and user access management, supporting hundreds of developers in parallel with application and component centric views.

Out-Of-the-Box HP Quality Center Actions

Workflows are assembled from a library of built-in actions, which replace manual deployments and scripts. The library consists of hundreds of actions for generic deployment tasks, with specific HP QC and UFT actions that allow you to:

- Login to HP Quality Center
- Logout from HP Quality Center
- Read a defect
- Create a defect
- Delete a defect
- Update a defect
- Add attachment to a defect
- Add comment to a defect
- Query HP Quality Center entity (defects, requirements, …)
- Query available defect fields
- Query available editable defect fields
- List all available projects
- List all available users
- Query filterable fields for defect
- Execute a HP UFT test set
- Generate execution report of HP UFT test set (passed/failed tests)

Deployment Models

The HP Quality Center Package has a unique deployment model that is integrated into the environment and provides simplicity and consistency for creating deployment workflows that includes orchestrating automated test sets, and creating, deleting, or updating QC defects. The model is based on polymorphic, inherited and extensible properties that are manageable at every level and stage, adhering to role-based access control. Workflows automatically adapt to current model properties, which make them completely generic and easy to reuse across environments.

Automatic Rollback

Rollback assures that an application, specifically in production, is never left in an inconsistent or inoperative state should anything fail to deploy correctly. With The HP Quality Center Package, each deployment can be rolled back if any test set results indicate failure.

Snapshot and Compare

A unique 'Snapshot' mechanism lets users compare configurations and file contents between packaged items and existing files. This helps to reduce the Mean Time to Resolution (MTTR) in resolving configuration discrepancies or application behavior between different environments such as between development and QA should test results be inconsistent across environments.

Part of a Unified Business Automation Platform

Automic's Business Automation Platform allows companies to take a systematic approach to automation by incrementally replacing multiple ad hoc tools with a centralized platform – allowing businesses to scale their investment across people, process and technology. The platform executes core business, application and infrastructure processes – whether on-premise, in the cloud or for the hybrid in between – providing visibility and control across the entire business.

Why Choose Automic?

Automic Release Automation enables the modern enterprise to drive agility and speed for upgrades of core business apps, and enhances the stability and reliability for production releases of front-office digital apps. Regardless of app complexity or environment location (on-prem, public/private/hybrid cloud, Docker, etc.) deployment frequency and safety will increase, and the DevOps tool chain will be coherently orchestrated. With Automic Release Automation organizations can specifically:

- Follow Automic's practical blueprint approach to continuous delivery across all applications.

- Visualize the deployment pipeline of all applications.

- Deploy to public, private, hybrid cloud or container environments from a multi-tenant platform.

- Harness the power of the Automic Marketplace to seamlessly download and use community developed actions, processes or extensions that have been published.

- Participate in Automic's DevOps maturity assessment. Enterprises can benchmark themselves against the Automic standard, or against their peers, their industry, their region or globally.

For more information or product demonstration please visit www.automic.com