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Product Brief

Nolio Release Automation Connector for z/OS

Key Benefits

- **Release-cycle agility.** Achieve complete automation of application release to production.
- **End-to-end orchestration.** Manage thousands of composite releases throughout the development lifecycle
- **Continuous optimization.** Extend testing depth and frequency to improve release quality and reduce time-to-delivery for critical mainframe applications.

Key Features

- **Open, scalable platform** integrates easily with any continuous delivery toolchain for end-to-end visibility and orchestration throughout the software development lifecycle.
- **Automated, model-driven deployment operations** configured with a visual workflow engine enable standard, reusable mainframe processes for improved efficiency and quality.
- **Single control point for release planning and execution** including cross-application, cross-platform deployments, release criteria checking, dependency tracking and conflict resolution.
- **Customizable release dashboard** provides transparency, governance, auditability, reporting and analysis in the continuous delivery release pipeline to support a collaborative, continuous improvement culture.

At a Glance

Nolio Release Automation Connector for z/OS brings optimized delivery and deployment of releases to the mainframe. This single delivery management tool facilitates a comprehensive, standardized, continuous-delivery strategy across applications that span platforms, helping organizations:

- Automate and standardize application releases to stabilize and increase velocity of mobile-to-mainframe deployments
- Plan, manage and optimize release pipelines to accelerate time-to-delivery
- Augment test capabilities to improve quality and streamline processes

The solution easily integrates with existing z/OS software change management and related DevOps toolsets for consistent and cross-platform continuous delivery of mainframe applications.

Business Challenges

As businesses strive to prosper in the app economy, time-to-delivery is a challenge to realizing better business outcomes. Widely recognized for their effectiveness in enabling faster development and delivery of working software, agile and DevOps practices rooted in mobile, distributed and cloud applications are not being adopted as quickly for mainframe applications, in part due to:

- **Cultural shifts that compromise confidence.** Mainframe specialists are comfortable and confident in their ability to produce quality releases on traditional timelines—a shift in toolsets and practices compromises that.
- **Application complexity.** High-touch, business-critical applications span platforms and often include mobile, distributed, web and mainframe assets. The myriad of tool preferences orchestrating releases across teams through various deployment environments is a carefully crafted exercise involving manual, team-coordinated processes.
- **Higher costs of deployment outages.** Expediting manual activities can lead to more mistakes, while eliminating steps compromises quality. Last-minute issue resolution occurring at later lifecycle states increases the chance of experiencing problems in production.

Solution Overview

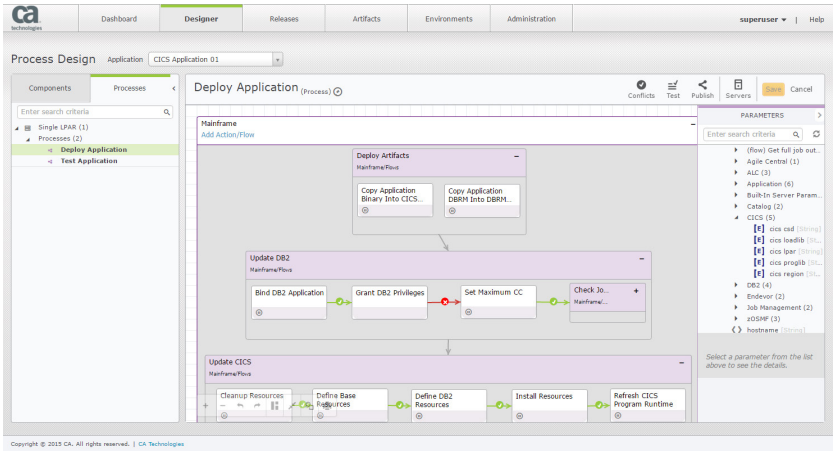
Nolio Release Automation Connector for z/OS advances your ability to adopt agile practices and achieve DevOps on the mainframe.

- **Rapidly and reliably deploy application releases across diverse platforms.** From distributed servers to mainframe logical partitions to data centers and cloud environments—development through production, configure complex release processes once and reuse them across teams and environments to speed deployment, reduce manual errors and lower costs without compromising quality.
- **Plan, manage and optimize the continuous delivery pipeline.** Plan, schedule and govern releases by identifying dependencies and resolving conflicts. Track and prioritize multipart application content and more effectively troubleshoot issues.
- **Seamless integration with software change management and lifecycle management tools** accelerate adoption, facilitate agile practices and extend feedback-loop capabilities, while enforcing continuous delivery best practices that improve the quality and efficiency of processes and teams.

Critical Differentiators

Nolio Release Automation is a proven solution that can help you build an agile, resilient and scalable continuous delivery pipeline. Nolio Release Automation Connector for z/OS extends these capabilities to include z/OS actions which are necessary for complex, cross-platform applications that include a wide-variety of mainframe deployment requirements. The solution's open platform can integrate easily with your software development lifecycle tools across the enterprise to holistically manage releases—you can start small and scale big to manage thousands of composite releases across diverse servers, data centers and cloud environments, from development through production.

The Deploy Application Process Within Nolio Release Automation Connector for z/OS



Our customers have experienced significant gains from adopting CA Release Automation, which helps them prosper in their respective markets. For example:

- Citrix improved deployment time by 94%.[1]
- ING increased release frequency to consistently over 12,000 per month.[2]
- Molina Medicaid Solutions reduced the cost of human error by 90%.[3]

In addition, customer validation of the solution's total economic impact has shown a ROI of 389% with payback in 2.8 months.

Related Products

- **Rally® Software.** Build and deliver the right software with speed, quality, and efficiency.
- **CA Endevor® SCM/CA Harvest SCM.** Store, secure, version, audit, and manage mobile-to-mainframe application software.
- **Blaze Service Virtualization.** Simulate unavailable systems/services to accelerate app development and testing.
- **Test Data Management.** Virtually create accurate, secure, reusable test data for better software testing.

For more information, please visit ca.com/releaseautomation.

1 CA Technologies case study, "Citrix Boosts Business Agility and Accelerates DevOps Adoption with CA Release Automation," 2016
2 CA World '15 presentation, "ING Builds Highly Available Continuous Delivery Pipeline with Microservices and Containers," Nov 2015
3 CA World '15 presentation, "Molina Medicaid Solutions Transforms Healthcare Through Automation, CA World '15 Presentation," Nov 2015

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