CA Endevor® Software Change Manager Integrations for Enterprise DevOps

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At A Glance

CA Endevor® Software Change Manager (CA Endevor SCM) is the bedrock for a proven and automated approach to securing and managing assets across the mainframe software development lifecycle. In today's modern software factory, however, users are looking for flexibility in their choice of interface and tight coupling with their DevOps tools of choice. CA Endevor SCM Integrations for Enterprise DevOps gives users that capability. With out-of-the-box integrations to popular agile PPM tools, CI/CD and pipeline management tools, and plugins to enterprise GIT repositories, teams can adopt the same modern stacks used for distributed development while continuing to leverage the build and lifecycle automation offered by CA Endevor SCM.

KEY BENEFITS

- **Flexible collaboration.** Work in ISPF/green screen or GIT bridged to CA Endevor SCM, whichever is most comfortable.

- **Choice of IDE interface.** Use any IDE with a GIT plugin to interact with CA Endevor SCM.

- **Agile PPM traceability.** Trace changes to source user stories or defects.

- **DevOps integrations.** Trigger and visualize pipelines in CI/CD tools.

KEY FEATURES

- **Enterprise GIT repository plugins.** Allows users to develop in GIT, synched to CA Endevor SCM as the gold-master repository for build and lifecycle automation and collaboration with on-host developers.

- **Webhook integration to agile PPM.** Consumes webhooks to create traceability between changes happening in CA Endevor SCM and the source user story or defect in the agile PPM of choice.

- **Webhook triggering of pipelines.** Consumes webhooks to trigger pipeline management and visualization tools, orchestrating CA Endevor SCM automation in conjunction with testing and other pipeline activity.

- **Continuous integration and delivery workflows.** Drive CA Endevor SCM from popular and open source CI/CD tools to automate and visualize mainframe promotion processes.

Business Challenges

Businesses are enjoying productivity and velocity gains by adopting agile and DevOps processes in their distributed shops. At the same time, they are realizing that mainframe remains a key part of their infrastructure and must be included in organizational transformation to continue to build on that success.

Integrate mainframe pipelines to enterprise tools. Organizations want to leverage the same tools across the enterprise and must determine how to integrate mainframe. Building on foundational technology is critical to improving velocity without reinventing years of investment in proven automation.

Support the next generation of mainframe developers. Attracting and keeping the next generation of mainframe developers means providing an environment that is comfortable and productive for users used to modern DevOps and agile tooling. In addition, those users need to be able to effectively collaborate with developers that prefer traditional mainframe development practices.

Understand application change and improve MTTR. Knowing what changes were made and why they were made is critical for application governance and quickly resolving issues when they arise.

Solution Overview

CA Endevor SCM Integrations for Enterprise DevOps is an optional addition providing a suite of integrations allowing the use of a common enterprise stack for DevOps, from mobile to mainframe.

GIT has emerged as the standard for off-host collaboration among developers. With this new option, developers who wish to use GIT can do so, while at the same time using the lifecycle automation that is relied on for mainframe build and change promotion. This is done without the need to convert all developers to a new tool or taking on the inherent risk and cost that entails.
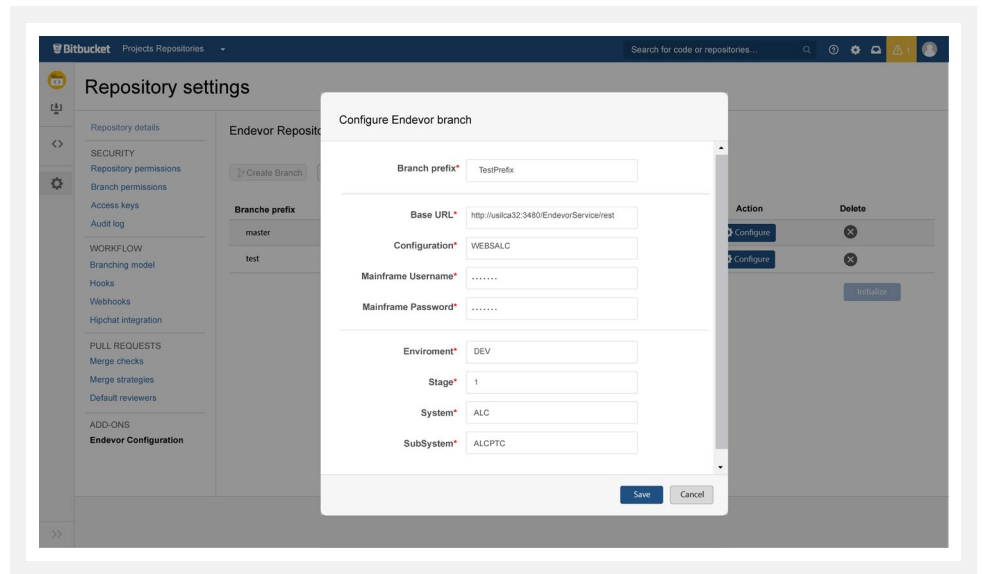
CA Endevor SCM has built-in capability for pipeline automation. This suite of tools allows teams to trigger and drive code promotion from pipeline orchestration tools to mix cross-platform activities and more easily visualize progress. Consumption of CA Endevor SCM webhooks builds traceability to agile PPM assets, improving team velocity and MTTR.

Critical Differentiators

CA Endevor SCM is the most widely used software change management solution for developing and maintaining mainframe application software and their associated assets. Customizable processes drive automated build, impact analysis, source code versioning, change tracking, authorization and deployment, helping to mandate and govern policy-driven software change tasks.

Organizations that want to modernize processes and practices need to integrate and cannot afford to waste costly cycles reinventing years of automation. With CA Endevor SCM Integrations for Enterprise DevOps, they can do exactly that. In addition, because CA Endevor SCM remains the gold master, developers who prefer traditional interfaces can remain productive where they are, seamlessly collaborating across platforms.

Built on top of de facto standards in the industry today, the integrations allow CA Endevor SCM to become a build and lifecycle automation service without the need for special or unique mainframe tools, enabling developer choice and breaking down silos.

Related Products

- **CA Brightside.** Command-line interface for mainframe automation.

- **CA Development Environment for z Systems.** Eclipse-based IDE for mainframe development.

- **CA's Mainframe Testing Tools.** Mainframe file manipulation, fault analysis, debug.

- **CA Continuous Delivery Director.** Pipeline management and analytics for enterprise DevOps.

Supported Environments

- IBM z/OS®, all IBM-supported releases of z/OS

- CA Endevor SCM, version 18.0.12 or higher

- Enterprise GIT plugins:
  - Atlassian Bitbucket, version 5.8.1 or higher

- Enterprise integrations:
  - Java® 7 or 8 on Microsoft Windows® or Linux®
  - Oracle 10 or 11, or Microsoft SQL Server® 2008 or higher
  - Please visit the requirements and compatibility matrix for more information

For more information, please visit **ca.com/endevor**