CA Endevor®

Integrations for Enterprise DevOps

Key Benefits/Results

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

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

- **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 integrations.** These integrations allow you to develop in Git, synchronized to CA Endevor as the gold-master repository for build and lifecycle automation and collaboration with on-host developers.

- **Webhook integration to Agile PPM.** Webhooks create traceability between changes happening in CA Endevor to the source user story or defect in the Agile PPM of your choice.

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

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

At a Glance

CA Endevor® 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 Integrations for Enterprise DevOps gives users that capability. Out-of-the-box integrations to popular Agile project portfolio management (PPM) tools, CI/CD and pipeline management tools, and plugins to enterprise Git repositories mean that teams can adopt the same modern stacks used for distributed development—all while continuing to leverage the build and lifecycle automation offered by CA Endevor.

Business Challenge

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. To continue to build on the successes of Agile and DevOps, they must also include mainframe in their organizational transformation.

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 that are 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.

Supported Environments

- **IBM z/OS.** All IBM-supported releases of z/OS

- **CA Endevor** 18.0.12 or higher

- **Enterprise Git Plugins:**
    - **GitHub** 2.16 or higher
    - **Atlassian Bitbucket Server** recommended 6.6.1 or higher
    - **GitLab Enterprise Edition** 12.4 or higher
    - **Azure DevOps** 2019 or higher

- **Enterprise Integrations:**
    - **Java** 7 or 8 on Windows or Linux
    - **Oracle** 10 or 11; **or SQL Server** 2008 or higher

Related Products

- **CA Brightside.** Enterprise support for the Zowe open source framework and Code4z/Che4z

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

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

Solution Overview

CA Endevor Integrations for Enterprise DevOps is an optional addition that provides a suite of integrations. These integrations allow the use of a common stack for enterprise DevOps—from mobile to mainframe. Git has emerged as the standard for off-host collaboration among developers. With this new option, developers who want to use Git can, while also using the lifecycle automation that they rely on for mainframe build and change promotion.

There is no need to convert all developers to a new tool, or for taking on the inherent risk and cost that this conversion would entail.

CA Endevor 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 to more easily visualize progress. Consumption of CA Endevor webhooks builds traceability to the associated Agile PPM assets, improving team velocity and MTTR.

Critical Differentiators

CA Endevor 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 mainframe and distributed platforms. With CA Endevor Integrations for Enterprise DevOps, they can do exactly that. In addition, because CA Endevor remains the gold-master, developers who prefer traditional interfaces can remain productive where they are, seamlessly collaborating across platforms.

CA Endevor Integrations for Enterprise DevOps is built to current industry standards. Because of this, CA Endevor is a build and lifecycle automation service, without the need for special or unique mainframe tools, enabling developer choice, and breaking down silos.