

CA Endeavor[®] Software Change Manager

At A Glance

In today's application economy, where mainframes house system-of-record software assets, a proven automated approach to securing and managing those assets is more critical than ever. From the first line of modified code to deployment, demonstrating audit compliance, mandating test states and tracking change with authorization are essential for a successful release. With its RESTful API and webhook capabilities and modern IDE interface, CA Endeavor[®] Software Change Manager (CA Endeavor SCM) remains a key component of your modern software factory, seamlessly integrating into your enterprise DevOps pipeline.

KEY BENEFITS

- **Modern developer IDE interface.** Accelerate productivity via an Eclipse-based interface.
- **Industry-known, lightweight API.** Facilitate faster cross-product integrations.
- **Lightweight management of test environments.** Quick and easy relocation of executables.
- **Additional Java[®] language support.** Improve ease-of-use for Java developers.

KEY FEATURES

- **Enhanced Eclipse UI with usability and security improvements.** Supports package operations, local and remote file management and graphical merge and is certified with TLS 1.2.
- **RESTful Web services API and webhook support.** Provides a simpler API with additional support for package and element operations, based on the modern HTTP protocol. Support for webhooks allows integration to DevOps and application development life cycle management (ADLM) tools that live off the mainframe.
- **New "deploy to test" operation.** Ability to deploy code from development sandboxes to predefined test libraries, allowing the code to be easily tracked using core build and audit capabilities.
- **Use long names and UNIX System Services (USS) directories in Interactive System Productivity Facility (ISPF) and Quick Edit.** Manage Java files with long element names and spaces, and access USS files directly from CA Endeavor SCM.

Business Challenges

IT organizations are under enormous pressure to deliver on requirements faster without compromising quality. As businesses rely more heavily on software for competitive advantages, managing change, adopting DevOps processes and decreasing time to market become vital to achieving the superior business applications required for corporate success.

Manage, secure and govern without impacting quality. Deploying business applications through more test areas faster is key, while simultaneously providing capabilities to help address compliance, enforce industry standards and adhere to mandated policies and procedures.

Align code change with requirements. Development teams operating in parallel is a competitive must. Agile software management needs to be able to document, adjust and re-adjust change descriptors designed to associate fluctuating business requirements with code modifications.

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

Solution Overview

CA Endeavor SCM expedites development and deployment of the software designed to differentiate and grow your business by providing automated and comprehensive capabilities throughout the software development lifecycle. CA Endeavor SCM's ISPF and Eclipse-based IDEs, and its automated build-and-deploy capabilities, help developers more quickly transition requirements to ready-for-test software. Business-driven, customizable lifecycle paths and automated version control with comprehensive auditing provide comprehensive governance. The RESTful API and webhook capabilities allow for two-way integration to popular enterprise DevOps and ADLM tools, improving velocity and time-to-market. Secured through inventory management, business-driven authorization requirements and electronic approval capabilities, CA Endeavor SCM protects software assets and helps maintain industry best practices and compliance standards—keeping organizations better equipped to address software change audits.

Critical Differentiators

CA Endevor SCM is the most widely used software change management solution for developing and maintaining mainframe application software and its 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.

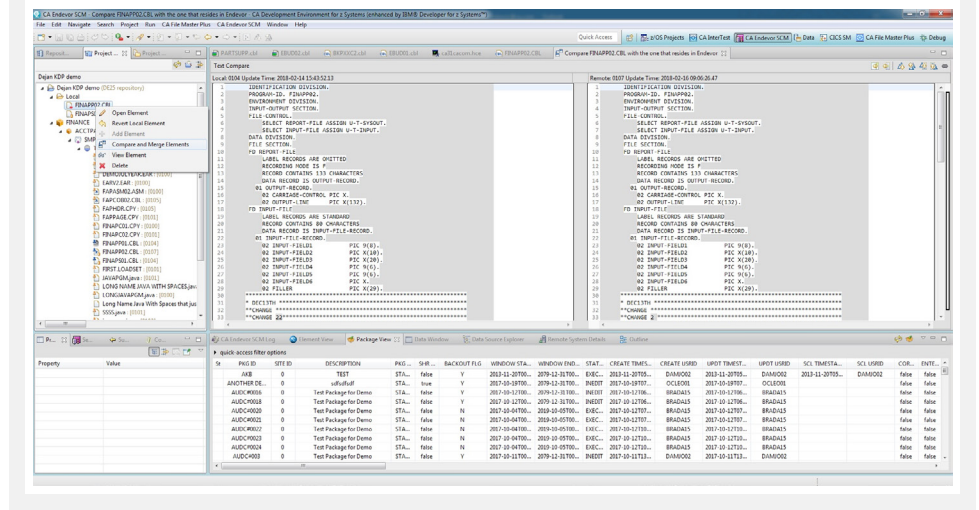
Key interfaces include a comprehensive RESTful API and webhook event notifications to enable integration to enterprise DevOps and ADLM tools installed off-host.

CA Application Lifecycle Conductor provides out-of-the-box use cases for coordinating tasks and tracking all software activities with associated agile artifacts, as well as integration into common pipeline management solutions.

Mainframe Testing Tools from CA simplify the identification, storage and coordination of software listings used for testing throughout the lifecycle.

Security products like CA Top Secret®, CA ACF2™ and IBM RACF® with the Extended Security Interface transitions software security to a single point of management within the enterprise.

CA Endevor SCM plugin for Eclipse (Shown in CA Developer Environment for z Systems)



Related Products

- **CA Application Lifecycle Conductor.** Integration hub for mobile to mainframe applications.
- **CA Development Environment for z Systems.** Eclipse-based IDE for mainframe development.
- **CA Continuous Delivery Director.** Pipeline management and analytics for Enterprise DevOps.
- **CA Continuous Delivery for IBM z.** Zero-touch, multi-tier deployments.
- **Mainframe Testing Tools from CA.** Mainframe file manipulation, fault analysis, debug.

Supported Environments

- **IBM z/OS®** – All IBM-supported releases of z/OS

For more information, please visit ca.com/endeavor

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