BROADCOM®
MAINFRAME SOFTWARE

Product Brief

Endevor®
The Bedrock of Mainframe DevOps

At a Glance

With a rich tradition of research and development investment and market leadership, Endevor® is the long-term foundation for mainframe DevOps. By enabling the adoption of Git and DevOps toolchains, as well as the use of modern IDEs like Visual Studio Code, Endevor offers a low-risk, modernize-in-place approach to mainframe software delivery. It enables the next-generation of talent to work side-by-side with career mainframers, each using their tools of choice.

This freedom enables organizations to attract and retain in-demand talent while realizing all the benefits of enterprise IT alignment with skills portability and streamlined cross-platform application delivery, for example. With Endevor, you deliver better quality code, reduce time to market, and comply with demanding internal and external regulations.

DevOps Dozen™ 12 WINNER
Best DevOps for Mainframe Solution
CA Endevor Bridge for Git
BROADCOM™

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 realize the promise of Agile and DevOps, they must include mainframe in their organizational transformations.

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 retaining the next generation of mainframe developers means providing an environment that is familiar and productive for those experienced with modern DevOps and Agile tooling, while at the same time collaborating with those that prefer traditional mainframe development tools and practices.

Software Development Must Support Agile, Regardless of Interface
Agile demands work be done in isolation and in parallel, with facilities to easily merge and integrate changes on demand.

Solution Overview

Endevor speeds development and deployment by providing automated and comprehensive capabilities throughout the software development lifecycle. The Endevor ISPF, IDE, Zowe CLI and Enterprise Git interfaces, along with its automated build and deploy capabilities, help developers quickly transition from requirements to ready-for-test software. Business-driven, customizable lifecycle paths with end-to-end auditing provide comprehensive governance. The REST API and Webhook capabilities, Zowe CLI plugin and the award-winning Endevor Bridge for Git, allow for easy two-way integration to enterprise DevOps and ADLM tools. With secured and thorough inventory management, business-driven authorization requirements and electronic approval capabilities, Endevor protects software assets and maintains compliance standards.

Critical Differentiators

Endevor is the most widely used software change management solution for mainframe application software and associated assets. Customizable processes automate and govern policy-driven software change tasks such as builds, impact analyses, source code versioning, change tracking, authorization, and deployments.

To modernize processes and practices, organizations need to integrate mainframe and distributed platforms. Endevor Bridge for Git, Endevor Team Build, Zowe CLI Plugin, and modern IDE interfaces bridge the mainframe and distributed domains. By providing so many powerful ways to work with code, Endevor is the most comprehensive solution on the market. Organizations structure how they manage individual applications using the most appropriate method and without incurring additional cost.

Endevor Configurations

Capabilities	Configurations		
	Traditional	Hybrid	Git-Native
Version control	Endevor	Endevor and Enterprise Git (With Endevor Bridge for Git)	Enterprise Git
Code editing	ISPF, Eclipse	ISPF, Eclipse, VS Code, Eclipse Che, and others	Eclipse, VS Code, Eclipse Che, and others
Build and ship	Endevor	Endevor	Endevor (With Endevor Team Build)

Broadcom Mainframe Division

The Broadcom Mainframe Division continues to drive the next horizon of open, cross-platform, enterprise innovation. We specialize in DevOps, security, AIOps, and infrastructure software solutions that allow customers to embrace open tools and technologies, make mainframe an integral part of their cloud, and enable innovation that drives business forward. We are committed to forging deep relationships with our clients at all levels. This goes beyond products and technology to partner in creative ways that support customer success.

For more information, please visit: broadcom.com/endevor

Supported Environments

- **IBM z/OS** – All IBM-supported releases of z/OS
- **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
  - **Java** 8 or 11 on Windows or Linux
- **Enterprise Integrations:**
  - **Java** 7 or 8 on Windows or Linux
  - **Oracle** 10 or 11; or SQL Server 2008 or higher

Related Products

- **Brightside:** Enterprise support and extensions for the Zowe open source framework and Code4z.
- **Mainframe Testing Tools:** Mainframe file manipulation, fault analysis, and debug.
- **Continuous Delivery Director:** Pipeline management and analytics for enterprise DevOps.