CA Brightside

Key Benefits

- **Overcome productivity challenges.** Developers with limited z/OS expertise can build and automate delivery of modern and traditional z/OS apps.

- **Integrate mainframe into DevOps.** Create an efficient and fine-tuned cross-enterprise DevOps pipeline.

- **Faster onboarding.** Accelerate the integration of next gen developers by providing access to cloud-like tools.

Key Features

- **Command-Line Interface (CLI).** The CLI streamlines how developers interact and write automation scripts for the mainframe using today's software development tools such as CI/CD orchestrators, task runners, and automated testing frameworks.

- **API Mediation Layer.** Bring cloud-like qualities to mainframe RESTful APIs through a secure API layer which offers high-availability, scalability, dynamic discovery, and visibility of APIs.

- **CLI plug-ins.** Access a variety of services such as CICS, Db2, CA Endevor® Software Change Manager, CA File Master™ Plus, and CA OPS/MVS® Event Management and Automation on the mainframe from the CLI.

- **Discoverable APIs.** Discover, integrate, and control access to popular RESTful APIs such as Zowe, CA Endevor, CA File Master Plus, CA Workload Automation ESP Edition, and CA SYSVIEW® Performance Management Option for Db2 for z/OS.

Overview

CA Brightside is the first DevOps solution to enable development teams to control, script, and develop for the mainframe like any other cloud platform using open source tools. It empowers next-generation developers to more easily apply their experience with modern DevOps toolchains and frameworks, helping to increase their ability to innovate for the mainframe platform. It enables automation with self-service capabilities to help unlock mainframe value. CA Brightside reduces risk and cost by helping to accelerate software development with higher quality and create a fine-tuned cross-enterprise DevOps environment.

Business Challenges

DevOps processes and mainframe applications have not historically played nice together. DevOps teams working in open source environments face these challenges:

- **Integrate mainframe into enterprise DevOps initiatives.** Lines of business teams are increasingly adopting DevOps principles, but often struggle to integrate mainframe development into their existing delivery pipeline. This could make the mainframe a significant bottleneck. Businesses therefore need to revise their DevOps processes to support mainframe applications.

- **Make mainframe development attractive and accessible.** Experienced mainframe developers are retiring. The generation replacing these older developers wants to ramp up quickly on the mainframe without acquiring deep mainframe expertise. New developers want to use their tools and languages of choice.

- **Integrating mainframe data into modern applications.** Application and systems teams are now building modern web applications for both internal and external use. It is challenging for these teams to find, access, and integrate cross-platform data into new mission-critical applications.

Solution Overview

CA Brightside greatly improves the productivity and efficiency of development teams to control, script, and develop for the mainframe like any other cloud platform. Development teams with limited z/OS expertise are able to build, modify, and debug applications from a personal computer that can interact with z/OS operating systems.

Solution Overview (con't)

The CLI, plug-ins, and support for your favorite open source development tools help you more rapidly support cross-enterprise DevOps initiatives.

It provides a more streamlined way to build software that integrates with z/OS platforms to enable business critical applications that can be maintained and supported by existing and generally available software development resources.

Teams can quickly identify, consume, and manage mainframe data services to accelerate higher quality software development and create a fine-tuned cross-enterprise DevOps environment.

Critical Differentiators

CA Brightside is the first cross-enterprise DevOps solution designed to greatly improve the productivity and efficiency of development teams. Development teams can control, script, and develop for the mainframe like any other cloud platform.

CA Brightside complements CA solutions on the mainframe, empowering development teams to work across silos and use a common set of cross-enterprise tools across the software delivery lifecycle; from plan, build, test, deploy, operate, and secure. This drives improved software quality, faster time to market, and increased developer productivity.

CA Brightside offers new developer-friendly interfaces for the mainframe platform, provides a cloud-like user experience, and enables power users and developers to be more effective and self-sufficient when building modern applications.

Supported Environments

• **IBM z/OS Management Facility (z/OSMF).** z/OSMF provides remote system management functions so that you can use CA Brightside to more easily manage the operations and administration of your z/OS systems.

Related Products

• **CA Endevor Software Change Manager**

• **CA File Master Plus**

• **CA OPS/MVS Event Management and Automation**

• **CA Workload Automation ESP Edition**

• **CA SYSVIEW Performance Management Option for DB2 for z/OS**

• **CA Development Environment for z Systems**

• **Open Tools** - CLI consumers like Jenkins, Gulp, Eclipse, MochaJS and more.