

# CA Development Environment for z Systems



CA Development Environment for z Systems is a modern integrated development environment (IDE) for teams maintaining, supporting and developing mainframe applications. The software provides an enhanced toolset for developing and maintaining IBM z/OS® applications quickly and efficiently. This rich set of COBOL, PL/I, HLASM, development tools designed for batch, IBM CICS®, IBM IMS™ and IBM DB2® environments are optimized for the workstation-based Eclipse platform. Developers can take advantage of a modern, interactive and integrated environment for enhanced productivity when creating high-quality mainframe applications.

## Key Benefits/Results

- **Modern enterprise toolset.** Empower modern developers with a common development environment that supports Java™ and Eclipse.
- **Increased developer productivity.** Develop and validate quality applications faster. Correct errors earlier in development when they're easier to isolate and less expensive to fix.
- **Improved application quality.** Automate unit and performance testing.

## Key Features

- **Modern, simple-to-use z Systems® application development tools** support millennial and experienced developers.
- **Develop and execute automated unit test cases** for testing COBOL and PL/I applications.
- **Integrates with CA Endeavor® SCM** to provide deployments that help address audit requirements, industry standards and internal policies and procedures.
- **Integrates with CA File Master™ Plus** for file and data manipulation on VSAM, sequential and portioned files, IMS for z/OS and DB2 for z/OS databases.
- **Integrates with CA InterTest™ solutions** for code coverage on mainframe application analysis.
- **Integrates with CA SymDump® solutions** to identify and diagnose application ABEND or system failures.
- **Integrates with CA Mainframe Application Tuner** for seamless application performance analysis.

## Business Challenges

To compete in the application economy, digital transformation and adopting agile methodologies and DevOps principles are key to succeeding. Yet, organizations may be hindered by significant barriers that impact the agility and modernization of mainframe application development.

Organizations must also tackle skill shortages and the lack of sufficient mainframe talent. While a significant portion of mainframers continue to retire yearly, a new generation of developers must become comfortable working with mainframe data and applications.

## Solution Overview

CA Development Environment for z Systems provides modern, simple-to-use z Systems application development tools that support the design, creation and maintenance of mainframe applications. The solution includes editors for COBOL, PL/I, Assembler, BMS/MFS, web services and databases.

Built on Eclipse open-source technology and written for CICS, IMS and DB2, CA Development Environment for z Systems software is designed to simplify and optimize application development for traditional processes and more-advanced application development. Using the services of an integrated development infrastructure, the software facilitates reuse and improves understanding and management of applications.

CA Development Environment for z Systems offers a wide-reaching set of enhancements and capabilities to drive greater efficiency in development activities, including plugins for CA Endeavor SCM, CA InterTest™ and CA SymDump® solutions, CA File Master™ Plus and CA Mainframe Application Tuner.

## Critical Differentiators

For application developers and managers, CA Development Environment for z Systems supports new and experienced developers with toolsets that are simple to use, improving time to market despite barriers such as skills gaps and the age of the code base. Solution integrations enable organizations to develop, test and deploy enterprise applications, mobile to mainframe, using agile methodologies and DevOps practices.

- Unit testing and code coverage capability for COBOL and PL/I applications—develop and automate unit test cases with intuitive user interface for tracking results.
- Use service enablement to expose legacy applications as web or RESTful services.

## Related Products/Solutions

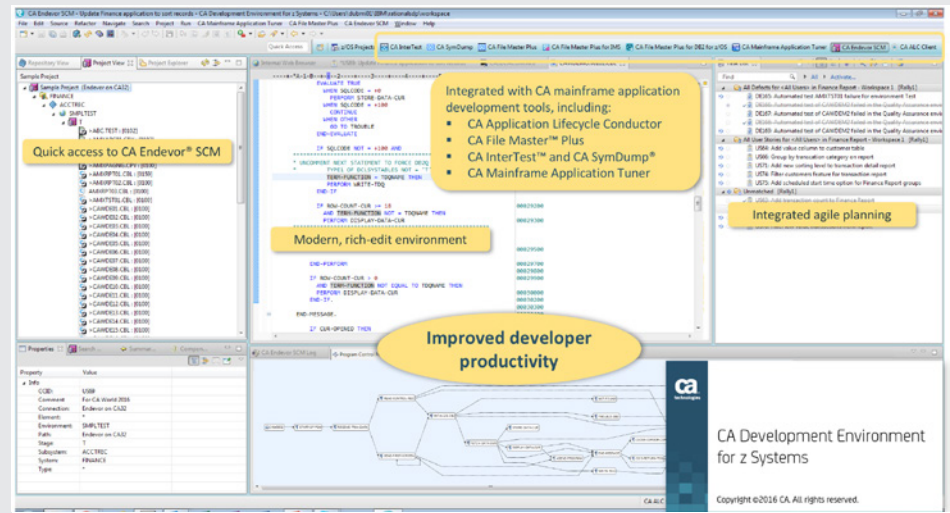
### Continuous delivery

- **CA Endeavor SCM** automates software configuration management for mainframe environments.

### Continuous testing

- **CA InterTest™ solutions** facilitate application debugging.
- **CA SymDump® solutions** provide application fault management.

## CA Development Environment for z Systems



- **CA File Master™ Plus** enables file and data manipulation.
- **CA Mainframe Application Tuner** enables advanced, proactive performance analysis and tuning that optimizes enterprise application performance across z/OS applications.

## Supported Environments

- **Client.** Solution supports Microsoft Windows® 7, Windows 8, Windows 8.1, Windows 10, Windows server 2012 and Windows 2016 environments.
- **Server.** Server installation is available on z/OS 1.13, z/OS 2.1 and z/OS 2.2.

For more information, please visit [ca.com/appdev](http://ca.com/appdev)

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