

CA InterTest™ Batch, CA InterTest™ for CICS

At A Glance

CA InterTest™ offers powerful debugging capabilities that help developers more quickly and easily identify and correct errors in batch and IBM® CICS® COBOL, Assembler and PL/I programs, as well as IBM IMS™/DC applications and IBM Db2® stored procedures. CA InterTest facilitates a direct-from-source trace capability. By trapping application errors, it enables users to detect and resolve errors interactively as they occur. The no-recompile-required-before-proceeding capability keeps the user in the test session, maximizing their focus on the problem rather than the process, which in turn minimizes outages and expedites the development process.

KEY BENEFITS

- **Develop and validate quality applications faster.** Correct errors earlier in development, when they're easier to isolate and less expensive to fix.
- **Achieve troubleshooting efficiency.** Find and fix errors in a single debug session to maximize productivity.
- **Quickly increase expert and novice code comprehension.** Visually trace a program execution and step through code to quickly understand program logic.
- **Keep current.** More easily obtain the latest product enhancements through a streamlined installation and maintenance process.

KEY FEATURES

Allocation/JCL conversion facility. Allows customized test sessions and allocations in foreground or batch, with execution-time overrides.

Program statement tracing. Provides a clear view of the code path used by the current breakpoint.

Source code coverage. Identifies untested code and verifies test data is adequate.

Common dynamic symbolic support. Extends troubleshooting capabilities across interrelated products by characterizing program locations symbolically.

Synchronized processing. Confirms the accuracy of the source code version through date/time match for source listing and load module.

Extended interactive debug. Includes Workload Manager (WLM) DB2 stored procedures and IMS/DC programs.

Expanded database support. Expands program execution interrupt capability to every Db2, IMS, CA Datacom®/DB and CA IDMS™/DB database call.

Business Challenges

IT organizations rely on applications with software assets that span mobile, cloud, Web and mainframe environments to achieve competitive advantage. Many depend on highly skilled, experienced programmers likely preparing to retire. Having proven, reliable tools that drive quality in developing and maintaining those assets becomes key to retaining and growing business.

Knowledge leads to quality. Testing and debugging is an important phase and can be a time-consuming task for producing quality mainframe applications. The ability know what code is executing through visualization allows seasoned and novice developers to be more precise with testing and quicker in pinpointing errors, naturally leading to more efficient and thorough processes. CA InterTest taps into this capability and extends it with automated debugging, helping to ensure the right code is tested, the right data variables are used, and defects are resolved prior to executing in production.

Solution Overview

CA InterTest simplifies and speeds application development with automated testing and debugging capabilities that programmers have relied on for years. Developers can work directly from familiar source code to initiate program monitoring, modify main storage, files and databases, and much more. CA InterTest offers two interface options (Eclipse-based UI or traditional 3270 interface) for easy adoption by developers with varying experience levels. CA InterTest simplifies the complexity of troubleshooting applications, allowing users to correct problems from any location without interrupting testing sessions. The program-path retrace combined with ABEND prevention capabilities facilitates fast, interactive debugging. CA InterTest helps developers deliver the high-quality, reliable code required for maintaining critical business applications.

Critical Differentiators

In addition to its comprehensive set of debugging capabilities, CA InterTest offers key differentiators to help developers work more productively and effectively.

- **Integrated testing suite.** CA InterTest is an integral component of the CA suite of integrated testing and fault analysis tools, which share a common look and feel that helps you easily switch back and forth between CICS and batch debugging or initiate a debugging session when a fault is detected.
- **Integrated application lifecycle.** Tight integration between CA InterTest, the other CA testing tools and CA Endeavor® Software Change Manager speeds application deployment and helps prevent manual errors.
- **Eclipse graphical interface.** Common Eclipse user interface helps a new generation of developers assume responsibility for mainframe applications while enabling seasoned developers to work more productively.
- **Simplified installation and maintenance.** CA InterTest is easily acquired, installed, configured, deployed and maintained with CA Chorus™ Software Manager, which helps organizations more quickly adopt new releases and apply maintenance.

Related Products

- **CA SymDump® Batch** Fault analysis for batch programs.
- **CA SymDump® for CICS** Fault analysis for CICS programs.
- **CA Endeavor® Software Change Manager** Secure software, track changes and enable mainframe DevOps.
- **CA Development Environment for z Systems** App development with modern methods, toolsets and coding languages.

Supported Environments

Please visit the [Mainframe Compatibilities](#) page for more information on supported environments, including:

- IBM z/OS®
- IBM CICS® Transaction Server

For more information, please visit ca.com/mainframe-testing

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.