Overview

DevOps for Mainframe Testing and Quality solutions from CA Technologies help customers to reduce test cycle times and costs of mainframe testing for better time to market and mainframe economics.

Customer Benefits

- **DevTest catalog.** Provide catalog test assets for reuse (test scripts, batch jobs, configurations, data, virtual/real services) and map requirements and user stories to testing assets.
- **Performance tuning and optimization.** Troubleshoot application performance to lower costs and optimize the end-user experience.
- **Data management and visualization.** Simplify and automate test data management through data profiling, subsetting, masking and synthetic generation.

Business Value

- **Speed test setup** with comprehensive test data management and service virtualization.
- **Automate testing** with frameworks to automate unit tests and testing into the delivery pipeline.
- **Improve test efficiency** by leveraging a DevTest catalog that stores and provisions test assets and requirements.

Why CA

- A trusted partner. CA is the worldwide leader in Mainframe Application Development market for AD Mainframe Tools based on 2015 market share revenue as indicated by the latest Gartner market share update.³
- Committed to digital transformation. 70 percent of the Fortune 30 have achieved the scale and business agility to deliver the best customer experiences in the application economy with mainframe application development and quality and testing tools from CA.⁴
- Delivers top value. Customers enrolled in the CA Core Systems Consulting program on average achieved $2.1 million cost savings by standardizing on DevOps for mainframe solutions.⁵

With CA Mainframe Application Tuner, a German insurance company:

- Reduced logical partition (LPAR) utilization to 80 percent in just two weeks¹
- Shortened overall daily batch processing time from 14 hours to seven hours²
<table>
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<tr>
<th>Solution</th>
<th>Description</th>
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<tr>
<td>CA Application Lifecycle</td>
<td>CA Application Lifecycle Conductor improves business agility by removing barriers to faster time to market and improved reliability. Establish continuous feedback loops to improve governance, auditability, traceability and mobile-to-mainframe transparency. Simplify and store complex test relationships to automate and speed mainframe testing. Coordinate deployment with your preferred application release automation solution to streamline code releases.</td>
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<td>Conductor</td>
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<td>CA Mainframe Application Tuner</td>
<td>CA Mainframe Application Tuner provides advanced, proactive performance analysis and tuning that helps optimize enterprise application performance across IBM® z/OS® applications. This capability helps you improve customer service, meet service level agreements (SLAs) and maintain a competitive edge by saving operational costs in deferred hardware and software purchases.</td>
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<td>CA File Master™ Plus</td>
<td>CA File Master Plus is a file management and data manipulation tool designed to speed test-file editing and data creation for sequential files, as well as IBM IMS™/DB and DB2® for z/OS databases. It allows you to work interactively via a graphical Eclipse-based interface, Interactive System Productivity Facility (ISPF) or by issuing commands in batch. You can easily browse and edit data, make quick changes to production or test files, compare two file versions, define and populate test files, and more efficiently manage datasets and partitioned dataset members.</td>
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| CA InterTest™ solutions         | 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 focus on the problem rather than the process, which in turn minimizes outages and expedites the development process. CA InterTest Batch Plus now includes:  
• CA InterTest Batch for PL/I  
• CA InterTest Batch for IMS  CA InterTest for CICS z/OS Plus now includes:  
• CA InterTest for CICS Option for PL/I  CA InterTest for CICS z/VSE Plus now includes:  
• CA InterTest for CICS Option for PL/I  
• CA InterTest for CICS PL/1|
| CA SymDump® solutions           | CA SymDump is a fault management tool for IBM z/OS systems that provides critical, comprehensive ABnormal ENDing (ABEND) information for both test and production environments. Once installed and configured with appropriate environmental information, CA SymDump automatically captures diagnostics for abnormally terminated jobs and transforms the information to help make problem diagnosis faster. Easy-to-read detailed reports, formatted storage areas and formatted control blocks for IBM z/OS, IBM CICS, IBM MQSeries®, JES2, IBM DB2, IBM IMS and CA Datacom®/DB applications help developers and systems programmers quickly identify and subsequently correct errors. |
For more information, please visit ca.com/mainframe-testing