

OnDemand CA InterTest™ for CICS V10.0: Testing and Debugging 200



Course Overview

As IT organizations propagate applications that span mobile-to-mainframe environments, having reliable tools that drive quality in developing and maintaining associated software assets becomes key to retaining and growing business.

CA InterTest for CICS helps you deliver quality applications quickly and can improve CICS stability by preventing errors before they occur. Designed to provide you with automated, reliable, and cost-effective mainframe testing tools, this product helps ensure that programs are well tested before they go into production.

This course is designed for programmers who test, debug, and fine-tune IBM CICS Transaction Server applications written in COBOL, Programming Language One (PL/I), Assembler, and Language Environment. It will enable you to detect and resolve errors interactively as they occur to help effectively minimize your application downtime and improve overall application quality.

PRODUCT RELEASE

CA InterTest for CICS V10

COURSE TYPE, LENGTH & CODE

- Web Based Training (WBT)
- One and a Half (1.5) Hours
- 06ITB20140

PREREQUISITES

- Experience with CICS programming, 3270 terminals, TSO/ISPF, and JCL

WHO SHOULD ATTEND

- COBOL, PL/I, and Assembly Application Developers

What You Will Learn

- Set and remove breakpoints to detect logic errors and test all program paths.
- Use execution commands to control a test session.
- View and modify main storage values during a test session.
- Apply advanced debugging features such as data monitoring, indirect commands, and composite support.

For Managers

With CA InterTest for CICS, your team can conduct mainframe performance testing and debugging directly from your source and correct problems without interrupting the testing session. It also enables your programmers to detect and resolve errors interactively as they occur to help effectively minimize CICS application downtime and improve overall application quality.

The comprehensive features of this mainframe solution can benefit your organization because they can prevent abends and ensure that your CICS applications meet established service levels.

Course Agenda

<p>Module 1: Describe Interactive Debugging and Breakpoints</p>	<p>Module 2: Apply Test Prerequisites</p>
<ul style="list-style-type: none"> ▪ Define how CA InterTest for CICS helps to debug programs ▪ Explain breakpoints and their role in testing ▪ Define advantages of using CA InterTest for CICS 	<ul style="list-style-type: none"> ▪ Provide CA InterTest for CICS with symbolic information about your program ▪ Navigate the ITST Primary Option menu ▪ Examine your source listing ▪ Turn on monitoring ▪ Set and remove breakpoints ▪ Select data items for the Keep window and turn on the automatic Keep window option ▪ Execute the program
<p>Module 3: Apply Breakpoint Activities</p>	<p>Module 4: Apply Advanced Techniques</p>
<ul style="list-style-type: none"> ▪ Resume execution from a breakpoint ▪ Apply single stepping, auto stepping, and step timing ▪ Abend a task ▪ Apply the backtrace feature ▪ Apply the code coverage feature ▪ Apply indirect commands ▪ Display breakpoints for a program ▪ New Copy a recompiled program and reset breakpoints ▪ Modify program data item values ▪ Access interactive help 	<ul style="list-style-type: none"> ▪ Apply the composite and calltrace commands ▪ Apply the data monitoring feature ▪ Apply the core and storage commands ▪ Apply the file feature



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Course Agenda, (cont'd)

Module 5: Describe Other Facilities

- Test DB2 and SQL/DS programs
- Maintain help entries for user abend codes
- Access CA SymDump for CICS
- Get introduced to CA InterTest Batch



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