BMC AMI DEVX

BMC AMI DevX Code Debug for CICS 17: Debugging Basics Concepts Using ISPF (WBT)

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Learning Path >

Course Code: CPCD-ISDB-C1700

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	2 Hour	17.02	• Programmers • Developers

Course Overview

BMC AMI DevX Code Debug for CICS is an interactive debugging solution that enables developers to test and troubleshoot CICS application programs efficiently without making source code changes or impacting other users. It helps reduce the time and effort required to identify logic errors, data issues, and runtime problems during application execution.

This web-based course helps learners explore the features and capabilities available in BMC AMI DevX Code Debug for CICS and provides an understanding of how to use these features to analyze program behavior in a live CICS environment. The course is presented through interactive demonstrations that guide learners on setting and managing breakpoints, stepping through program execution, monitoring and modifying variables, handling abends, and properly ending debugging sessions, enabling them to effectively diagnose and resolve issues in CICS applications.

In addition to English, the textual content of this course is available in Chinese (Simplified), French, German, Italian, Japanese, Korean, Portuguese (Brazil), and Spanish (Mexico).

Prerequisites
• NA

Recommended Trainings
• BMC AMI DevX Code Debug 17.x: Fundamentals Concepts (WBT)

Learning Objectives
• Understand the purpose and key components of the BMC Language Processor.
• Explore the process of compiling a program for testing using Shared Services Prepare.
• Apply the NEWCOPY function to test updated program versions.
• Understand optimization best practices and the purpose of a session profile.
• Configure session profiles to support effective debugging.
• Explore different methods to access Code Debug for CICS.
• Test a COBOL program without breakpoints to observe normal execution behavior.
• Test a COBOL program with breakpoints to control and analyze execution flow.
• View and interpret COBOL source code within Code Debug.
• Analyze program behavior by executing a COBOL program step by step.
• Understand and apply the Autokeep feature to track variable values during execution.
• Resume program execution at a specific statement to correct program flow.
• Step through and analyze program execution to understand runtime behavior.
• Use the Intercept Summary screen (1.7) to manage intercept breakpoints.
• Apply enhanced traps to control program execution based on defined conditions.
• Configure an enhanced trap on Initial COMMAREA (ICA) for selective and focused debugging.

For more information about BMC Education Services, visit **www.bmc.com/education**.

Course Modules

Module 1: Debugging Fundamentals
- Prepare the Program for Debugging
- Use NEWCOPY Function and Test Preparation
- Configure Profiles for Debugging

Module 2: Program Execution Analysis
- Use Code Debug Commands for Testing and Analysis
- Debugging Facilities in Code Debug

Module 3: Core COBOL Debugging Facilities
- COBOL Debugging Scenario
- Code Debug Functions for Effective Debugging

Assessment

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