BMC AMI DevX

BMC AMI DevX Code Debug 17: Using Workbench for VS Code (WBT)

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Learning Path >

Course Code: CPCD-WVCU-1702

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	2 Hours	BMC AMI DevX Code Debug 17.02	• Developers • Programmers

Course Overview

BMC AMI DevX Code Debug is a debugging tool that allows mainframe developers to perform effective analysis and faster debugging operations in a secure environment. Developers can perform these operations from the Eclipse Workbench interface, the ISPF interface, and the VS Code interface.

This web-based course helps learners perform code debugging using the Code Debug Workbench VS Code interface. It helps learners understand how to set up debug launch configurations for Batch, CICS®, and IMS ™ MPP programs. The course includes demonstrations that help learners understand these tasks. Through scenarios, the course demonstrates using commands, setting breakpoints and traps, and intercepting subroutines in Code Debug.

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

Recommended Trainings

- BMC AMI DevX Code Debug 17.x: Fundamentals Concepts (WBT)

Recommended Knowledge/Skills

- Familiarity with VS Code interface

Learning Objectives

- Prepare a program
- Connect to HCI
- Create debug launch configurations for Batch, CICS®, and IMS™ MPP programs using Code Debug
- Edit and delete debug configurations
- Debug a program abend
- Set up conditional breakpoints
- Use the monitoring functions
- Use scripts for intercepting subroutines

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

Course Modules

Module 1: Preparing the Debug Program
- Connecting to HCI
- Preparing the Program

Module 2: Batch Debug Configuration
- Setting Up a Debug Configuration for a Batch Program
- Debug controls
- Editing Batch Debug Configuration
- Deleting Batch Debug Configuration

Module 3: CICS Debug Launch Configurations
- Setting Up a Debug Launch Configuration for a CICS Program
- Setting Traps
- Editing CICS Debug Configuration
- Deleting CICS Debug Configuration

Module 4: IMS MPP Debug Launch Configuration
- Setting up a Debug Launch Configuration for an IMS MPP Program
- IMS Transaction Processing
- IMS Transaction Classes
- Editing IMS MPP Debug Configuration
- Deleting IMS MPP Debug Configuration

Module 5: Breakpoints and Variables and Registers
- Setting Breakpoints
  - Add and remove breakpoints
  - Conditional breakpoint
  - Specify WHEN conditions breakpoint
  - Setting breakpoints in a program
  - Setting breakpoints in DDIO
- Adding Variables
  - Adding Watch variables
  - Displaying variables using the hover feature
  - Setting the value of a variable
  - Viewing variable values in hex format
  - Toggling variable values
  - Backward tracing while debugging
  - Setting line as next statement
  - Toggle skippoint

Module 6: Debugging Scenarios in VS Code
- Debug a Program Using When Breakpoint and Monitoring Functions
- Debug a Program by Setting a Conditional Breakpoint

Module 7: Using Scripts in Code Debug
- Using Scripts to Intercept Subroutines