
IBM Debug Tool Mentor Workshop

Overview:

Learn to use Debug Tool to debug and monitor application programs. An experienced IBM consultant will provide in-depth lecture and lead discussion. Hands-on lab exercises are designed to give participants experience with Debug Tool on your system.

Skills Taught:

- Understand the functions and utilities provided by Debug Tool
- How to start a debugging session using the 3270 interface or the GUI interface
- Basic commands commonly used, and advanced commands and techniques that take advantage of Debug Tool's capabilities
- Understand how to compile or assemble a program to prepare for a debugging session

Course Outline:

In the 4 hour basic workshop, these topics are covered:

- Introduction to Debug Tool
- Using the 3270 interface, including topics such as stepping through a program, setting breakpoints, viewing and changing variable values, working with subprograms, and other capabilities
- Overview of preparing a program for use with Debug Tool
- Debugging batch LE applications
- Debugging CICS applications

The basic workshop is a prerequisite for the advanced workshop. In the 4 hour advanced workshop, these topics are covered as needed or requested:

- Advanced commands and techniques using the 3270 interface, including topics such as alternate ways to work with subprograms, handling programs abends, tips for entering commands, and getting information about programs
- Walkthroughs of alternate methods of starting the debugger
- Using the JCL utility
- Using the Delay Debug feature
- Debugging DB2 stored procedures
- Debugging IMS/TM applications
- Using debugging scripts and log files
- Customizing debugger settings
- Debugging non-LE programs
- Debugging assembler applications, including working with storage and registers

- Debugging OS/VS COBOL and VS COBOL II applications
- Using the Eclipse interface
 - Setting up the connection for the Eclipse plug-in
 - Using the Debug Tool Eclipse plug-in to debug programs

Training duration:

Basic workshop:	4 hours
Advanced workshop:	4 hours (the basic workshop is a prerequisite)
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Total:	8 hours

The basic workshop can be attended without attending the advanced workshop. This is a good option for people who will only use the 3270 debugging interface, will only debug batch or CICS applications, and who will not need to use advanced debugging techniques.

Prerequisites:

To get the most from this workshop, you should:

- Be familiar with application development processes on a z/OS system
- Be able to write a program written in at least one of these languages: COBOL, PLI, C, C++, or assembler
- Be able to compile a program and read a compiler listing
- Know how to modify JCL, submit a batch job, and view its output