Course Outline

Using IBM Fault Analyzer for z/OS

Course Summary

Description

The course teaches students the skills necessary to use the IBM Fault Analyzer to analyze batch COBOL or Assembler program abends.

Objectives

At the end of this course, students will be able to:

- Explain the purpose of Fault Analyzer.
- Describe the files used by Fault Analyzer.
- Describe the real-time fault analysis process.
- Use the Fault Analyzer ISPF Interface to analyze abends.
- Perform interactive reanalysis of an abend.
- Utilize side files and compiler listing during a fault analysis.
- Manage Fault entries.
- Perform batch reanalysis.

Topics

- What is Fault Analyzer for z/OS?
- Fault Analysis Files
- Real-Time Abend Processing
- Using the ISPF Interface
- Managing Fault Entries
- Fault Analysis Options in JCL for Batch Jobs
- Batch Reanalysis
- Fault Analysis Tips

Audience

COBOL Programmers and analysts who must use Fault Analyzer as a tool to help analyze and debug COBOL program abends.

Prerequisites

TSO/ISPF, or equivalent experience. Six months of COBOL or Assembler programming

Duration

One day

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I. What is Fault Analyzer for z/OS?
- A. Overview
- B. Supported Languages and Environments
- C. Overview of Real-Time Fault Analysis
- D. Real-Time Analysis Report
- E. Online Interfaces
- F. Interactive Reanalysis
- G. Batch Reanalysis

II. Fault Analysis Files
- A. Fault History Files
- B. Source Mapping Files

III. Real-Time Abend Processing
- A. Real-Time Analysis Report
- B. Viewing Real-Time Analysis Report
- C. Sample Abend Scenario
- D. Sample Fault Analysis Report

IV. Using the ISPF Interface
- A. Opening a Fault History File
- B. Changing the Fault History File
- C. Finding and Filtering Fault Entries
- D. Sorting Fault Entries
- E. Displaying Information About a Fault Entry
- F. Customizing the Columns Displayed
- G. Viewing a Real-Time Fault Analysis Report via ISPF
- H. Interactive Reanalysis
- I. Requesting an Interactive Reanalysis
- J. Using the File Manager Interface
- K. Program Source Mapping During Reanalysis

V. Managing Fault Entries
- A. Creating and Using a Fault History File
- B. Moving / Copying Fault Entries
- C. Transmitting Fault Entries to Another System
- D. Writing to Your Own History File

VI. Fault Analysis Options in JCL for Batch Jobs

VII. Batch Reanalysis

VIII. Fault Analysis Tips