Troubleshooting z/OS MVS System Dumps

This course provides an effective and systematic approach to MVS problem diagnosis. Attendees learn to efficiently identify system problems in order to provide greater system availability. The course focuses on a debugging methodology using IPCS. Practical workshops provide an opportunity to learn to debug system problems in realistic situations. Dump analysis exercises SVC dumps to examine system data areas, the trace tables and LOGRECs in order to determine system status and condition at the time of the dump.

Objectives

On successful completion of this course, attendees will be able to:

- use the appropriate diagnostic procedure for each type of dump.
- identify the failing operating system component in standalone and SVC dumps
- use various operating system data-gathering facilities such as system traces, LOGREC, and SLIP.
- locate information in various manuals that is critical to problem resolution.

Who Should Attend

This course is designed for those individuals responsible for problem determination.

Prerequisites

To benefit from this course, participants need: the ability to read Assembler code, familiarity with MVS internal operations and data areas, including the concept of control block chaining. These prerequisites can be met by completing the RSM courses Using Assembler, z/OS MVS System Fundamentals Workshop - Part 1 and z/OS MVS System Fundamentals Workshop - Part 2.

Duration

3 days

Contents

IPCS

RTM and software Logrec

RB Analysis

System Trace

SVC Dump approach

MP environments

Locks

Dispatcher

Consoles and Master Trace

Storage Managers