DUMP01 Basic PL/1 Dump Debugging For Application Programmers

Course Description This course is designed to teach the skills necessary to solve a formatted PLIDUMP using the information available.

Who Should Attend Participants should be programmers or programmer/analysts who are required to solve PL/1 errors using the formatted PLIDUMP, working in a development or support role.

Pre-Requisites Participants should already have at least 3 months practical experience of PL/1, but no previous dump solving skills are required. Some Assembler background will be an advantage, but is not essential.

Duration 1 Day

Dump Debugging Overview

General Principles
Types Of Dump Format
(SYSUDUMP, PLIDUMP etc.)
PLIDUMP Format / Contents
PL/1 Compiler Listing Options

The PL/1 Environment

PL/1 Block Structure
Block Entry / Termination
Dynamic Save Area Concepts
Dynamic Save Area Contents
Static Area Concept
Static Area Contents

PL/1 Exceptional Condition Handling

The PL/1 Error Handler
PL/1 Exceptional Conditions
Enabling / Disabling Conditions
Trapping Conditions
Error Recovery
Producing A PLIDUMP
PLIDUMP Format Options

Abend Categories

Program Interrupt Conditions
PL/1 Detected Conditions
Operating System Detected Conditions
Abend Reason Determination
Abend Location Determination

Locating Variables & Data In The PLIDUMP

Locating Static Internal Variables
Locating Automatic Variables
Locating Based Variables
Locating Parameter Variables
Locating File Information
Buffers and Records