COBOL Advanced Topics

Duration: 5 – 10 days

Course Description: The course is a combination lecture, discussion and hands-on workshop in several COBOL topics. Write a program to load and read single and multi-dimensional tables. SORT a sequential file in a COBOL program using both Input and Output procedures. Write a program to accept data from the PARM field in JCL and to pass data to a subprogram. Use COBOL Intrinsic Functions such a upper case and Current Date. Write calls to the Language Environment to access system data. Debug common abends including the infamous S0C7, S013, S0C1, S0C4 with Abend Aid and / or LE Dump. Build a series of programs for a "typical" batch job scenario.

Audience: The course is for experienced COBOL programmers who need to become proficient in several "advanced" topics.

Prerequisites: Six months experience with COBOL and TSO/ISPF is required.

Course Outline

Day 1
Course Introduction
Access single and multi-dimensional tables
Use the SEARCH and SEARCH ALL verbs
SORT a file data using the Internal SORT along with input and output procedures

Day 2
Pass values to a COBOL program via the JCL PARM field
Pass information from a COBOL main program to a COBOL sub program

Day 3
Use COBOL Intrinsic Functions to save excessive coding
Call to the Language Environment

Day 4
Debug common programming problems
Solving several common program abends

Day 5
Advanced Programming Case Study
Edit Program
Multi-dimension Tables

Day 6
Advanced Programming Case Study (Continued)
SORT Program
Typical Program Abends

Day 7
Advanced Programming Case Study (Continued)
Update Program
Audit Trail

Day 8
Advanced Programming Case Study (Continued)
Report Program
End of Report Statistics

Day 9 & 10
Advanced Programming Case Study (Continued)
Intrinsic Functions
Calls to the LE Environment