PL102   Advanced PL/1 For Programmers

Course Description The course is designed to consolidate and extend the PL/1 skills already achieved, and places a great deal of emphasis on object program efficiency.

Who Should Attend Participants should be programmers or programmer/analysts who already have at least 1 year to 18 months practical PL/1 experience.

Pre-Requisites Participants should already have a sound PL/1 background, and should have been using PL/1 for a minimum of 1 year. Some Assembler background will be an advantage, but is not essential.

Duration 4 Days

Object Code Efficiency

Builtin Function Considerations
Aggregate Considerations

Complex Array Processing

Hbound
Lbound
Based Refer

Data Alignment

Storage Considerations
Processor Overhead

PROCedure Options

Reorder
Reentrant

Program Tuning

ISA Size (Initial Storage Allocation)
PL/1 Space Management Report
Global / Local Optimisation
Total (File Environment Option)

Sub-Procedures & Functions

Returns Attribute
Function Invocation
Entry Statement
Dummy Arguments
Options ASM,INTER

Debugging Features

Count
Flow
Check
Nostae/Nospie

Data Conversion

During Assignment
During Comparison
During Expression Evaluation
Guide-lines & Considerations

Exceptional Condition Handling

Scope Of Conditions
Signal
User Conditions

Controlled Attribute

Allocate
Free
Cstg
Allocn
List Processing

Locate Mode Record I/O

Read File Set(pointer)
Locate

Stream I/O

Put Data
Put List
Put Edit

Dump Debugging Techniques

The SYSUDUMP(hexdump)
Dynamic Save Areas
Abend Reason Determination
Abend Location Determination
Locating Variables