



Advanced z/OS Job Control Language

Duration: 3 Days

Audience:

This course is for programmers, systems analysts, systems programmers, operations support and others who wish to gain a deeper understanding of JCL within a z/OS environment.

Pre-requisites:

An understanding of computer concepts is assumed.

A working knowledge of TSO/ISPF is required. This can be gained from our z/OS TSO/ISPF Workshop.

Course Objectives

This course provides an in-depth look at z/OS JCL and an overview of job processing throughout the system. It covers all releases of z/OS, including SMS specific parameters. On completion of the course delegates will have gained an understanding of the capabilities of JCL, and which IBM supplied utility could be used to perform a routine task. To further this aim, the course has 25 hands-on exercises.

Course Content

Module 8: Generation Data Groups (GDGs)

What is a GDG?

GDG Terminology

Create a base entry

Create a new relative generation

Create a new absolute generation

Checking the status of generations

Alter the base entry

Dealing with ROLLED-OFF generations

How to use the version number

Deleting entries

The effect of GDGBIAS



Advanced z/OS Job Control Language

Module 9: Conditional JCL

The COND operand and its logic
Information available for Conditional JCL
IF / THEN / ELSE / ENDIF construct
Relational expressions described
What JCL is eligible for conditional processing
What JCL is ineligible for conditional processing
What JCL is unaffected by conditional processing
The ability to nest decision making

Module 10: JCL Procedure Overview

What is a procedure?
Catalogued vs In-stream
The default libraries; JES2 and JES3
Assigning alternative libraries; /*JOBPARM and JCLLIB
Library search order
Procedure construction, naming and content
Using nested procedures
INCLUDE groups

Module 11: JCL Procedures - Using Overrides

EXEC statement overrides
DD statement overrides
OUTPUT statement overrides

Module 12: JCL Procedures – Using Symbolic Parameters

What is a symbolic parameter?
Assigning default values
Overriding default values
Concatenating symbols
Using the SET statement

Module 13: Input Stream Symbols

Symbols within a JES2 input stream
Different symbols: JCL vs JES vs System
Using symbols in Batch
Making a symbol available; EXPORT statement
Retrieving symbols in the input stream
Passing symbols via the Internal Reader (INTRDR)



Advanced z/OS Job Control Language

Module 14: Accessing z/OS UNIX System Services files

Condition terminology

File system overview

Security considerations

DD statement operands; PATH, PATHDISP, PATHMODE, PATHOPTS and FILEDATA

The BPXBATCH utility

Deleting a z/OS UNIX file

Obtaining a list of z/OS UNIX files

Module 15: Utilities

This is an overview of various utilities which could be used to perform a variety of common functions. The utilities mentioned are:

ADRDSSU

IDCAMS

IEBCOPY

IEBDG

IEBEDIT

IEBGENER

IEBPTPCH

IEBUPDTE

IEFBR14

IKJEFT01 - TSO