

z/OS MVS JCL

Course Summary

Description

This course provides students with an understanding of the relationships within Job Control Language, and the various available options. OS utilities and functions are also described. Class exercises are designed to reinforce and demonstrate the capabilities of JCL and utilities.

Objectives

Upon completion of this course, students will be able to:

- Identify JCL statements and their purpose
- Define the JOB and JOB STEP concept
- Code the JCL to define input and output files, including card, printer, tape, and disk
- Execute the override procedures
- Control execution of the JOB and/or JOB STEP with the condition parameter
- Identify the appropriate utility program for a given task
- Code the JCL and control statements required for proper execution of utility programs
- Compile, link, edit, and execute a program using JCL

Audience

This course is designed for personnel who are required to code JCL and/or use OS utilities under MVS and z/OS.

Prerequisites

The student must have a basic understanding of data processing concepts, facilities and file structures. Knowledge of TSO/ISPF is also required.

Duration

Three days

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Course Outline

1. **Types of JCL Statement**
 - Functional description of the JOB, EXEC, DD, PROC, PEND, null and comment statements
2. **JCL Format**
 - Syntax format for identification field, name field, operation field, operands field, and comments field
3. **JCL Statements**
 - Explanation and format of frequently used positional and keyword parameters for the JOB, EXEC, and DD statements
4. **Referbacks**
 - Explanation of what and how to's of using referbacks on DD statements
5. **Concatenated Data Sets**
 - Definition of concatenation, restrictions, and usage for data sets and libraries
6. **Special DDNAMES**
 - Explanation of function and usage for JOBCAT, STEPCAT, JOBLIB, STEPLIB, SYSABEND, SYSUDUMP, SYSMDUMP, SYSCHK
7. **PROCS**
 - Definition and purpose of a PROC, coding a PROC, use of symbolics, instream PROC, catalogued PROC, overrides
8. **INCLUDE Statement**
 - Explanation and format of frequently used parameters
9. **JCLLIB Statement**
 - Explanation and format of frequently used parameters
10. **Set Statement**
 - Explanation and format of frequently used parameters
11. **OUTPUT Statement**
 - Explanation and format of frequently used parameters
12. **IF/THEN/ELSE/ENDIF Statement Construct**
 - Explanation of usage, format, how to implement