

z/OS Skill Pack (z/OS, TSO/ISPF, MVS/JCL)

Course Summary

Description

The z/OS Skill Pack course consists of three classes designed to acclimate users to the IBM mainframe environment using the z/OS operating system. Frequent updates insure the most current information is addressed in all phases of this course. The current update addresses z/OS 2.1 and previous z/OS releases. The first portion is lecture with review and/or demonstration. It is designed to give a common base of terminology for the following two sections and includes information on the most current hardware configurations for z/Enterprise systems. The TSO and ISPF course of training is lecture with instructor guided hands-on exercises in using the command prompt and graphical user interface for the operating system. The most current ISPF options and commands are covered and documented. The final portion introduces the student to the MVS/JCL language used for production processing using lecture and instructor guided hands-on labs.

Topics

- Overview
- z/OS concepts
- System configuration and operating modes
- TSO and ISPF user's interface
- JCL statements and syntax
- JOB statement
- EXEC statement
- DD statements
- PROC and PEND statements
- JCLLIB statement
- INCLUDE and SET statements
- IF, THEN, ELSE and ENDIF statements

Audience

This course is intended for personnel who are new to the z/OS operating systems and those seeking a refresher/update in basic terminology, interfaces and JCL programming.

Duration

Five days

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Course Outline

I. Overview

- A. Introduction and brief History
- B. Binary and hexadecimal operations
- C. Hardware
- D. Software
 - 1. Operating systems
 - 2. Programming languages

II. z/OS Concepts

- A. Virtual storage
- B. Channels and control units
- C. PR/SM
- D. Data set names and catalogs
- E. File access methods
 - 1. Sequential
 - 2. Direct access
- F. MVS JCL Overview
 - 1. Job Entry Subsystem (JES)
- G. Networks: VTAM and TCP/IP

III. System Configuration and Operating Modes

- A. TSO native mode and TSO session manager
- B. ISPF mode features

IV. ISPF (current version)

- A. Hierarchy
- B. Saving settings
- C. Panel design
- D. The primary menu options
- E. ISPF settings (ISPF PARMS)
- F. System display and spool facility (SDSF) or equivalent
- G. Function keys: display, usage and editing
- H. The ISPF utility menu
 - 1. The library utility
 - 2. The data set utility
 - 3. The move/copy utility
 - 4. The data set list utility
- I. The ISPF workplace
- J. ISPF edit
 - 1. Profiles
 - 2. Line commands
 - 3. Primary commands

V. JCL Statements and Syntax

VI. JOB Statement

- A. CLASS, MSGCLASS, NOTIFY, REGION, TYPRUN
- B. Other JOB operands

VII. EXEC Statement

- A. PGM, PROC, COND, PARM, REGION
- B. Other EXEC operands