Malcolm Kayser Computer Training Limited

Introduction to the IBM Mainframe

This course provides a thorough introduction to IBM's z/OS MVS operating system and environment, and centres on TSO, ISPF and JCL.

Audience

The course is intended for delegates who are new to computing or who are moving to the IBM z/OS MVS environment from a mini or mid-range one.

Prerequisites

The course is not only suited to those delegates with a proven aptitude to computing but also to those with or without a programming background or indeed those delegates from other disciplines.

Duration

The course is intended to run over 5 or 6 days but may need to be extended further depending on the delegates' experience. Practical exercises will take part throughout the course.

Course *main* objectives

On completion of this course, the delegate will:

- Have a reasonable understanding of IBM hardware and software
- Have an appreciation of the MVS operating system
- Understand the concept of *Virtual Storage*
- Understand the technical terms involved
- Be proficient in the use of TSO/ISPF and in particularly the PDF editor with regards to manipulating files and data
- Use the more common options in ISPF such as BROWSE and the Utilities
- Use ISPF Help, BookManager and QuickRef
- Define the function and use of JCL
- Code syntactically correct JCL statements and deal with failures
- Understand Conditional execution

- Submit Jobs and deal with run-time errors
- Be able to code both in-stream and cataloged procedures

Course contents

- Operating Systems
- Storage
- Hardware
- Software
- Data
- Processing
- On-line Transaction Processing
- Networks

- The TSO Environment
- TSO Commands
- Introduction to ISPF
- TSO data sets
- ISPF Browser/Viewer
- ISPF Facilities/Utilities
- The PDF Editor
- Job Submission

- Overview of JCL
- JCL Structure and Syntax
- COMMENT, DELIMITER and NULL Statements
- JOB, EXEC and DD Statements
- Batch Utility programs
- Conditional Execution
- In-stream and system output data sets
- Reserved DD names
- User data sets
- SMS data sets
- OUTPUT Statement
- Procedures
- JCLLIB, INCLUDE and SET Statements
- Generation Data Groups