Course Code: ES10G

Course Title: Fundamental System Skills in z/OS

Description:

This course is designed to teach you the fundamental practical skills to navigate and work in a z/OS environment.

This includes the use of ISPF/PDF dialogs, TSO/E commands, JCL, UNIX System Services shell, and BookManager.

Objectives:

- Review the main concepts of z/OS
- Log on to TSO and start ISPF/PDF
- Navigate through ISPF/PDF dialogs and use the basic ISPF/PDF functions and the ISPF Editor
- Use ISPF/PDF to allocate data sets and edit data sets (including hierarchical file system (HFS) files) using the ISPF Editor primary and line commands
- Use ISPF to create and manipulate (copy, rename, delete, list, sort, and merge) data sets
- Identify security considerations for Multiple Virtual Storage (MVS) data sets and HFS files
- Describe and use TSO/E commands
- Perform simple modifications to existing ISPF/PDF panels
- Invoke a REXX exec and TSO CLIST
- Tailor existing JCL and submit batch jobs
- Review job status and job output using SDSF
- Invoke UNIX processes
- Manipulate HFS directories and file systems using the UNIX System
- Services ISHELL

Prerequisites:

You should complete:

- An Introduction to the z/OS Environment (ES050) **or** equivalent on-the-job training

Duration:

40 Hrs

Topics:

Unit 1: Introduction to the IBM Z Systems environment

Topic 1: Architecture in the z Systems environment

Topic 2: Operating systems

Topic 3: IBM z Systems

Unit 2: z/OS security

Topic 1: System security

Topic 2: RACF

Topic 3: RACF profiles

Unit 3: TSO ISPF panel

Topic 1: TSO familiarization

Exercise 1: System familiarization

Topic 2: Introduction to z/OS data set

Topic 3: Allocating data sets

Exercise 2: Allocate new data sets

Topic 4: Creating data sets and members

Topic 5: Edit data sets

Topic 6: Line commands

Topic 7: Copy, move, rename, and delete data sets and members

Exercise 3: ISPF editor primary commands

Exercise 4: ISPF editor Line commands

Exercise 5: Copy, move, rename, and delete data sets and members

Topic 8: Data set lists

Exercise 6: Data set lists

Unit 4: TSO commands

Topic 1: TSO ISPF commands

Topic 2: Edit data sets using line commands

Exercise 7: Using TSO/E commands

Unit 5: JES and JCL

Topic 1: Introduction to JES and JCL

Topic 2: Coding JCL

Topic 3: Submitting jobs using JCL

Topic 4: JCL utilities

Topic 5: Managing data sets using JCL)

Exercise 8: Submit a job

Exercise 9: JCL exercises

Exercise 10: Procedures

Unit 6: UNIX

Topic 1: UNIX system services

Topic 2: File systems

Topic 3: UNIX program support and security

Topic 4: Application services

Topic 5: Security

Exercise 11: ISHELL and hierarchical file system

Audience:

This basic course is for IT personnel with a theoretical background of z/OS (for example, as taught in An Introduction to the z/OS Environment (ES05G) and some general practical IT experience.