Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS, Nidderdale House, Beckwith Knowle, Harrogate, HG3 1SA

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000

Fundamental System Skills in z/OS

CODE:	LENGTH:	PRICE:
ES10DG	32 Hours	£2,600.00

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.
The content is self-paced. The lab environment is a live lab environment, offering direct access to a IBM Z server.

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

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.

Prerequisites

You should complete:

- *An Introduction to the z/OS Environment (ES05G)* **or** equivalent on-the-job training

Programme

Unit 1: Introduction to the z Systems environment· Topic 1: Recognize architecture differences (20 minutes)
· Topic 2: Identify the supported operating systems (30 minutes)· Topic 3: Recall the z Systems mainframes (15 minutes)
Unit 2: z/OS security· Topic 1: Recall the need for system security (15 minutes)
· Topic 2: Identify the main functions of RACF (15 minutes)· Topic 3: Recognize the RACF profiles (20 minutes)
Unit 3: TSO ISPF panels· Topic 1: Describe how to access TSO (20 minutes)o Exercise 1: System familiarization (30 minutes)
· Topic 2: Identify the attributes of data sets (25 minutes)· Topic 3: Execute the allocation of data sets (15 minutes)
o Exercise 2: Allocate new data sets (45 minutes)· Topic 4: Carry out the process of creating data set members (15 minutes)
· Topic 5: Implement the process of editing data sets (30 minutes)· Topic 6: Utilize line commands (20 minutes)
· Topic 7: Utilize ISPF to copy, move, rename, and delete data sets and members (20 minutes)
o Exercise 3: ISPF editor primary commands (30 minutes)o Exercise 4: ISPF editor line commands (30 minutes)

o Exercise 5: Copy, move, rename, delete data sets and members (25 minutes)· Topic 8: Work with data set lists (15 minutes)
o Exercise 6: Data set lists (30 minutes)Unit 4: TSO commands
· Topic 1: Identify the methods used to enter TSO commands (20 minutes)
· Topic 2: Identify the commands to view and manage system data sets (60 minutes)
o Exercise 7: Using TSO/E commands (30 minutes)Unit 5: JES and JCL
· Topic 1: Interpret the purpose and functions of JES and JCL (20 minutes)
· Topic 2: Describe the process of coding JCL (40 minutes)
· Topic 3: Execute the processes of submitting and viewing jobs (20 minutes)· Topic 4: Identify JCL utilities (20 minutes)
· Topic 5: Use JCL to create and manage data sets and members (40 minutes)o Exercise 8: Submit a job (30 minutes)
o Exercise 9: JCL exercises (45 minutes)o Exercise 10: Procedures (60 minutes)Unit 6: UNIX
· Topic 1: Describe the features of UNIX System Services in z/OS (40 minutes)
· Topic 2: Compare the differences between file systems (30 minutes)
· Topic 3: Interpret how processes are created and used in UNIX (20 minutes)
· Topic 4: Summarize the application service provided in UNIX (20 minutes)
· Topic 5: Explain how security is handled in UNIX (20 minutes)o Exercise 11: ISHELL and hierarchical file system (60 minutes)

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.