

TSO/ISPF in z/OS

Course Summary

Objectives

By the end of this course, students will be able to:

- LOGON to TSO, get into ISPF/PDF, exit ISPF/PDF, LOGOFF TSO
- Use full-screen terminals, including the appropriate Function keys, to accomplish work under ISPF/PDF, as described below
- Use Workstation terminals, emulating 3270-type terminals or running in GUI mode, if these terminals are available (and, for GUI, if the Client/Server support is installed)
- Use the CUA interface (action bars, pull-downs, point-and-shoot fields, etc.), and tailor the look and feel of ISPF to meet individual preferences
- Describe the characteristics of, and differences between, sequential data sets, partitioned data sets (PDSs), and PDSEs (Partitioned Data Set Extended)
- View a sequential data set or a member of a PDS/PDSE
- Allocate, rename, and delete data sets or members, and print or display the attributes or contents of a data set
- Copy and move data sets and members
- Use productivity features such as command stacking and split screen processing, the CMDE command and command retrieval techniques
- Edit data sets or members: create new members or files, and modify existing members or files
- Submit batch jobs and work with the output using ISPF 3.8, SDSF, FLASHER, IOF, or (E)JES
- Use ISPF VSAM support to list information about non-VSAM objects and to delete non-VSAM objects
- Use the ISPF Workplace Shell to perform ISPF-based tasks

Topics

- Using Mainframe Computers
- ISPF Introduction
- ISPF Look and Feel
- Working With Data
- Allocating Data Sets
- Looking at Data — Edit, View, and Browse
- More on Edit, View, and Help
- More Utility Functions
- Productivity Tips and Techniques
- EDIT
- Edit and View Primary Commands
- Edit / View — Passing and Receiving Data
- Reference Lists
- Edit Profiles
- Data Set List Utility and Commands
- The ISPF Object / Action Workplace Shell
- Running Batch Jobs
- PDSEs and VSAM Support

Prerequisite

There are no prerequisites for this course, although some experience with programming languages is helpful.

Duration

Three Days

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Course Outline

I. *Using Mainframe Computers*

- A. Mainframes and Applications

II. *ISPF Introduction*

- A. TSO/ISPF/PDF
- B. The Logon Process
- C. ISPF/PDF Primary Option Menu
- D. Standard Panel Format, CUA Panel Formats
- E. Running in GUI Mode
- F. Using Action Bars
- G. Leaving ISPF
 - Computer Exercise: A First Encounter with ISPF / PDF

III. *ISPF Look and Feel*

- A. The Settings Panel
- B. LIST and LOG Data Sets
- C. Function Keys Settings, Working With Keylists
- D. Color, Intensity, and Highlighting
 - Computer Exercise: Changing the Look and Feel of ISPF

IV. *Working With Data*

- A. Files and Data Sets
- B. Data Set Organizations
- C. Data Set Naming
- D. Locating Data Sets
- E. Data Set Properties
- F. SMS — Storage Management Subsystem
- G. Finding a Data Set's Properties
 - Computer Exercise: Finding a Data Set's Properties

V. *Allocating Data Sets*

- A. Reserving Space
- B. Allocating a Data Set Using ISPF
 - Computer Exercise: Allocating New Data Sets

VI. *Looking at Data — Edit, View, and Browse*

- A. Edit, View, and Browse
- B. Member Selection Lists
- C. Some View / Edit Commands

- Computer Exercise: Introduction to 'View'

VII. *More on Edit, View, and Help*

- A. More Edit / View Commands
- B. String types
- C. Help
 - Computer Exercise: More Edit and View, and Help

VIII. *More Utility Functions*

- A. Move / Copy
- B. Deleting a Data Set
- C. Renaming a Data Set
- D. The Library Utility
- E. Sorting Member Lists
 - Computer Exercise: Utility Functions

IX. *Productivity Tips and Techniques*

- A. Quick Advance and Jump Functions
- B. Split Screen
- C. Command Stacking
- D. CMDE command
- E. Retrieving Commands
 - Computer Exercise: Great Tricks

X. *EDIT*

- A. Sequence numbers
- B. Nulls
- C. Line Commands: COLS, I, D, R, M, C, A, B, X, F, S, L, LC, UC, (,), <, >
 - Computer Exercise: Working with EDIT

XI. *Edit and View Primary Commands*

- A. EXCLUDE, FLIP, HIDE, LOCATE, FIND, CHANGE, RFIND, RCHANGE
- B. DELETE, SAVE, CANCEL, RESET, UNDO
- C. Computer Exercise: More Work With EDIT More on Edit / View
- D. Labels
- E. Line Commands: O, TS
- F. EDIT — Under — EDIT
- G. SORT — Edit / View Primary Command

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Course Outline (cont.)

- Computer Exercise: Sorts and Copies in Edit

XII. *Edit / View — Passing and Receiving Data*

- CREATE, REPLACE, COPY, MOVE Edit Primary Commands
- CUT and PASTE Edit Primary Commands
- EDITSET (EDSET) Edit Primary Command
 - Computer Exercise: Copy, Cut, and Paste in Edit

XIII. *Reference Lists*

- Reference Lists
 - Computer Exercise: Reference Lists

XIV. *Edit Profiles*

- Profile options
- Bounds, Mask, Tabs lines
- Edit Action Bar Choices
- Language-sensitive Color Editing
- Recent Edit / View Line commands: AK, BK, OK, HX
 - Computer Exercise: Using Tabs and other Profile Characteristics

XV. *Data Set List Utility and Commands*

- Option 3.4: Data Set List Does It All
- Commands
 - Computer Exercise: DSLIST and Commands

XVI. *The ISPF Object / Action Workplace Shell*

- Action / Object versus Object / Action
- The Workplace

XVII. *Running Batch Jobs*

- SUBMIT — Edit / View / Browse Primary Command
- ISPF 3.8, SDSF, FLASHER, IOF, (E)JES
 - Computer Exercise: Running A Job

XVIII. *PDSEs and VSAM Support*

- PDSE — Partitioned Data Set Extended
- VSAM — The Virtual Storage Access Method
- VSAM Support in ISPF
 - Computer Exercise: Using VSAM Support