MVS TSO/ISPF Dialog Developer

Course Summary

Description

This course covers the ISPF Dialog Manager (ISPF-DM) through lecture, example, and hands-on exercises using the REXX language.

Topics

- Course introduction
- ISPF Dialog Manager Overview
- Panel Definition and Design
- Panel Sections and Development
- Message Files
- ISPF Services
- File Tailoring and Skeletons
- Miscellaneous Services (optional)
- Library Management Services (optional)
- REXX Review (optional)

Audience

This course is designed for programmers, operators and systems personnel who develop applications under TSO/ISPF, and CA-ROSCOE™ RPF Programmers moving to the TSO/ISPF environment.

Prerequisites

The student should have basic knowledge of the REXX programming language and TSO/ISPF user skills.

Duration

Five days

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Course Outline

I. Course Introduction
- A. Topics covered
- B. Structure of text, overheads and handouts

II. ISPF Dialog Manager Overview
- A. Basic Terminology
- B. Facilities
  1. REXX Address Keyword
  2. ISRDDN/DDLSIT
  3. ISPF Modeling
  4. TSO ALTLIB Command
  5. ISPF LIBDEF Command
  6. Special Keys
- C. ISPF Data Sets and DDNAMES
- D. ISPF Dialog Manager
- E. What is a Dialog?
- F. Dialog Elements
- G. Message definition
- H. ISPF Services
- I. Command Tables

III. Panel Definition and Design
- A. Basic Syntax
- B. Pre-processed Panels
- C. Additional Information
  1. EXIT and CANCEL Commands
- D. Panels Sections – Overview
- E. ISPF Panels design before and after version 4.1
  1. ISR@PRIM – The primary option menu

IV. Panel Development
- A.)PANEL Keylists: variables used for keylists
- B.)ATTR Attributes
- C.)ABC Action Bar Choices
- D.)ABCINIT
- E.)ABCPROC
- F.)BODY Primary Display Area
- G.)MODEL Table Display Area
  1. Using ISPF table services
- H.)AREA Scrollable Display Area
- I.)INIT,)REINIT and)PROC Programmable sections
- J. Using REXX in the panel definition.
- K.)HELP Field sensitive help
  1. Special comannds
  2. Control Variables
  3. REXX Invocation
  4.)PROC Processing
     a) &ZUP
     b) &ZCONT
- L.)PNTSPoint and shoot fields

V. ISPF-DM Services
- A. ISPSTART Command
- B. SELECT Service
- C. DISPLAY Service
- D. ADDPOP/REMPOP Services
- E. TBDISPL Service
- F. SETMSG Service
- G. VPUT, VGET, and VERASE Services

VI. Message Files
- A. Message File Formats
  1. Long messages
  2. Short messages
- B. Message File names

VII. File Tailoring and Skeletons
- A. What is a Skeleton?
- B. Basic Skeleton programming
- C. z/OS 1.5+ Programming
- D. File Tailoring Services
  1. FTOPEN
  2. FTINCL
  3. FTCLOSE
  4. FTERASE

VIII. Miscellaneous & Library Management Services (***optional***, only if time allows)
- A. CONTROL Service
- B. Edit, Browse and View Services
- C. DSINFO Service
- D. MEMLIST Service
- E. LM services as of z/OS 1.7

IX. REXX Review (*optional*)
- A. An optional review of the REXX language may be presented before ISPF-DM (documentation is included with this course)

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