

SMP/E Fundamentals

Course Summary

Description

This course provides the fundamentals of SMP/E processing for installation and maintenance of systems software and program products. Topics will include an examination of SMP/E commands, a detailed review of MCS statements and their purpose, and exercises to enable the student to gain a working familiarity with SMP/E processing.

Topics

- SMP/E Overview and Methodology
- SYSMODS
- RECEIVE, APPLY, and ACCEPT Processing
- RESTORE and REJECT Processing
- Managing SYSMODS
- Controlling SMP/E Data Sets
- SMP/E Reporting

Audience

This course is designed for systems programmers and support personnel that will have responsibility for maintaining the SMP/E environment.

Prerequisites

Students should be familiar with JCL, MVS utilities, and the use of TSO/ISPF.

Duration

Four days

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Course Outline

I. SMP/E Overview and Methodology

- A. Examine SMP/E data sets and their roles in maintaining system information
- B. Introduction to SMP/E dialogues
- C. Introduction to the SMP/E Zones; global, target, and distribution
- D. Establishing the SMP/E environment and its definitions

II. SYSMODS

- A. Introduction to SYSMOD types; PTF, APAR, FUNCTION, and USERMODS
- B. Review HOLDDATA and its role in managing SYSMODS
- C. Examine MCS statements and how they are used to perform specific utility functions for SMP/E

III. RECEIVE, APPLY, and ACCEPT Processing

- A. Examine the SMP/E process for introducing change into the OS/390 environment
- B. RECEIVE processing
- C. APPLY CHECK and APPLY processing
- D. ACCEPT CHECK and ACCEPT processing

IV. RESTORE and REJECT Processing

- A. Examine the SMP/E process for restoring and removing changes from the OS/390 environment
- B. RESTORE CHECK and RESTORE processing
- C. REJECT processing

V. Managing SYSMODS

- A. CLEANUP processing to remove extraneous data from the SMP/E zones
- B. Examine the REPORT processing commands for reviewing SYSMOD status

VI. Controlling SMP/E Data Sets

- A. Examine the role UCLIN processing to modify data elements within SMP/E zones
- B. ZONE processing commands to manage SMP/E zones
- C. Introduce the BUILD MCS command for migrating SMP/E managed elements to other systems

VII. SMP/E Reporting

- A. Use of SMP/E logging functions to trace activity
- B. SMP/E LIST command to report on managed elements