

CA 1 Tape Management r12.6: Operational Workshop 200

Course Summary

Description

A typical z/OS organization processes thousands of tape files daily. These files represent priceless corporate data that needs to be completely protected throughout its lifecycle. CA 1 automates day-to-day tape management while providing comprehensive protection against destruction of tape files. Apart from tape data protection it also enables library management and automation of typical z/OS organizations. After completing this course you should be able to perform tasks such as using JCL to request tape input and tape output, using the TMC with information about a tape that was created offsite, describe CA 1 user and system abends and take proper recovery actions, and use the scratch subpool feature for more effective scratch tape resource utilization. You should learn to use the powerful facilities that are available with the ISPF interface, perform inquiry on volume, data set and control record information. You should also learn to use CA 1 utilities for specific TMC and audit batch displays and perform batch updates to the TMC

Objectives

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

- Describe the structure of tape data sets.
- Explain how CA 1 interfaces with the operating system.
- Describe the CA 1 initialization process.
- Maneuver through CA 1 online facilities.
- Define and use vaulting.
- Produce reports.

Topics

- Tape Processing
- Tape Processing with CA 1
- Initialization and Operation
- Online Inquiry/Update
- Daily Maintenance
- Vault Management
- Reporting
- Utilities and Special Features

Audience

- Operators
- Tape Librarians
- Production Control Personnel
- Programmers

Prerequisite

- Basic TSO/ISPF skills
- Familiarity with JCL and z/OS operations
- Some knowledge of tape management

Duration

Two Days

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Course Outline

I. *Tape Processing*

- A. Characteristics and structure of tape data sets.
- B. Request tape input and tape output using JCL.
- C. Open, close, end-of-volume, and dynamic label change process.
- D. Types of tape labels in existence and their use

II. *Tape Processing with CA 1*

- A. How CA 1 gains control from the operating system and what it does.
- B. Primary source of information used to update the TMC.
- C. Special expiration date keywords and their use.
- D. Data sets used by CA 1

III. *Initialization and Operation*

- A. Functions of TMSINIT and the proper responses to initialization prompts.
- B. Purpose and nature of tape processing messages.
- C. CA 1 user and system abends and proper recovery actions.
- D. Scratch subpool feature for more effective scratch tape resource utilization.

IV. *Online Inquiry/Update*

- A. Powerful facilities that are available with the ISPF interface.
- B. Inquiry on volume, data set and control record information.
- C. Utilities affecting tape volume status.
- D. Volume record flag settings.

V. *Daily Maintenance*

- A. Functions of CA 1 daily maintenance programs.
- B. Parameter and control statement options for utilities.
- C. Keytape Checkin facility.
- D. Requirements for backup and restoration of the TMC.

VI. *Vault Management*

- A. Purpose of vault management in tracking off-site rotation of tapes.
- B. Four components of VMS.
- C. Proper vault patterns to get the desired off-site rotation.
- D. Vault management distribution, picking, and inventory reports

VII. *Reporting*

- A. CA 1 utilities for specific TMC and audit batch displays.
- B. Standardized reporting programs.
- C. TMSGRW and CA Earl can provide user-defined reports.

VIII. *Utilities and Special Features*

- A. Use and setup requirements of the CA 1 Tape Initialization Facility.
- B. Batch updates to the TMC.
- C. Tape processing optimization with auxiliary disposition.