

VSAM/IDCAMS Utility

Course Summary

Description

This workshop covers VSAM architecture, IDCAMS utility commands, and accessing and updating VSAM files from COBOL II programs plus appropriate JCL. The participant will create and process KSDS, ESDS, and optionally RRDS VSAM datasets.

Objectives

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

- Describe the architecture of the ESDS, KSDS, and RRDS VSAM data files and list tuning and performance considerations.
- Code the control statement(s) and JCL associated with the IDCAMS utility.
- Write COBOL programs that access and update VSAM files using sequential, dynamic, and random access techniques.

Topics

- VSAM Overview
- VSAM Architecture

Audience

This course is designed for application developers and analysts. The first two days are appropriate for technical support, and operations personnel.

Prerequisites

Participants must be able to code basic JCL statements, use the edit and submit facilities of TSO, and code simple COBOL programs.

Duration

Three days

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Course Outline

I. VSAM Overview

- A. Objectives
- B. History
- C. Books
- D. VSAM

II. VSAM Architecture

- A. VSAM Organizations
- B. Advantages of VSAM
- C. KSDS
- D. KSDS Index
- E. KSDS Access
- F. ESDS
- G. RRDS
- H. Record Storage
- I. Dataset Components
- J. Control Interval
- K. Control Area
- L. Data Storage
- M. Terminology
- N. Comparison