

# VSAM

CDT180

This workshop is designed to provide practical training for personnel who will be designing and/or writing COBOL, BAL, or PL/I programs which access VSAM KSDS files.

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## Audience

- Applications programmers
- Programmer analysts

## Prerequisites

- TSO/ISPF
- JCL
- COBOL, BAL, or PL/I

## Teaching Methods

- Most of the course time is used for guided hands-on exercises using IDCAMS, and COBOL, BAL, or PL/I, which provide models for immediate on-the-job use.

## Learning Objectives

- Define VSAM KSDS datasets with IDCAMS
- Copy records from a sequential file to a VSAM KSDS with IDCAMS
- Print records from a VSAM KSDS with IDCAMS
- Edit records in a VSAM KSDS with File-AID (where available)
- Write COBOL, BAL, or PL/I programs to access VSAM KSDS records sequentially or randomly
- Write COBOL, BAL, or PL/I programs to update VSAM KSDS files based on add, change and delete transactions

## Course Length

- Two days
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## Course Outline

QL2

### Creating VSAM KSDS File with IDCAMS

- DELETE
- DEFINE
- REPRO
- PRINT

### Editing the VSAM KSDS File with File-AID

(where available)

### Accessing the VSAM KSDS Through Your Program

- Sequentially
- Randomly
- Add
- Change
- Delete
- JCL considerations
- COBOL, BAL, or PL/I

### Available Upon Request

- Alternate indexes (AIX)
- Entry Sequence Data Sets (ESDS)
- Relative Record Data Sets (RRDS)