

Chapter
1

INTRODUCTION

*Get on the
Fast Track!*



TM

**SYS-ED/
COMPUTER
EDUCATION
TECHNIQUES, INC.**

Objectives:

You will learn:

- C File-AID versions.
- C Dataset concepts under OS/390 and z/OS.
- C File-AID features.
- C Differences between the ISPF and File-AID utilities.
- C Setting File-AID parameters.
- C Specifying the default selection criteria.
- C Specifying processing parameters.

1 What is File-AID/SPF

- C Interactive software tool that increases data processing productivity in both program development and daily file and record maintenance.
- C Mimics ISPF/PDF.
- C Provides On-line access to files unavailable to the ISPF/PDF user.
- C Extends the power of the current ISPF/PDF environment with new and additional features.

1.1 Why Use File-AID/SPF?

- C Quick and easy access to data.
- C Processes all standard OS/390 and z/OS access methods and file formats.
- C Selective record processing.
- C JCL conversions.
- C File-format conversions.

1.2 ISPF/PDF vs. File-AID/SPF

ISPF/PDF	File-AID/SPF
C Sequential and Partitioned only.	C Sequential, Partitioned, ISAM, BDAM, IAM, and VSAM.
C Can copy from Sequential or Partitioned to another Sequential or Partitioned Dataset.	C Will copy from any standard MVS file format to any standard OS/390 and z/OS file format.
C Sequential or PDS member. C File size restriction.	C All OS/390 and z/OS file formats. C Can be processed selectively. C No file size restriction.
C Sequential or PDS member. C Record length restriction of 255 bytes. C Copy of dataset is being edited and then saved.	C All OS/390 and z/OS file formats. C Record length bytes can be up to 32,767 bytes. C No file size restriction. C Updates at the DASD. C Pre-edit feature. C Global changes in one step. C Selective editing.
C Must use IDCAMS. C PDF 3.4 will display dataset but little processing is allowed.	C Catalog Utility for all file formats. C Line commands available to process datasets.
C No direct way without Batch Utility.	C VTOC Utility
C Must use IDCAMS.	C VSAM Utility C Dataset Utility C Catalog Utility C VTOC Utility

2 Primary Option Menu

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File-AID 8.0.1 ----- Primary Option Menu ----- Enter option
OPTION ==>

0 PARAMETERS - Specify ISPF and File-AID parameters      USERID - B039181
1 BROWSE      - Display file contents                     PF KEYS  - 24
2 EDIT        - Create or change file contents           TERMINAL - 3278
3 UTILITIES   - File-AID/SPF extended utilities          TIME     - 11:28
5 PRINT       - Print file contents                       JULIAN    - 99.063
6 SELECTION   - Create or change selection criteria       DATE      - 99/03/04
7 XREF        - Create or change record layout cross reference
8 VIEW        - View interpreted record layout
9 REFORMAT    - Convert file from one format to another
10 COMPARE     - Compare file contents
C CHANGES    - Display summary of File-AID changes
T TUTORIAL    - Display information about File-AID
X EXIT        - Terminate File-AID and return to ISPF
```

Use END to terminate File-AID

3 Parameter Selection Menu

File-AID ----- Parameter Selection Menu -----
OPTION ==>

- 0 ISPF - ISPF parameters and File-AID PF keys
- 1 SYSTEM - File-AID system parameters
- 2 SELECTION - Selection criteria default parameters
- 3 PRINT - Print default parameters
- 4 PROCESSING - Processing option default parameters
- 5 AUDIT - Audit file allocation parameters

3.1 ISPF Parameter Options

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----- ISPF PARAMETER OPTIONS -----
OPTION  ==>

1  TERMINAL  - Specify terminal characteristics
2  LOG/LIST  - Specify ISPF log and list defaults
3  PF KEYS   - Specify PF keys for 3278 terminal with 24 PF keys
4  DISPLAY   - Specify screen display characteristics
5  LIST      - Specify list data set characteristics
6  GRAPHIC   - Specify GDDM graphic print parameters
7  ENVIRON   - Specify ENVIRON command settings
8  KEYLIST   - Modify keylist(s)
9  DIALOG TEST - Specify Dialog Test option
10 COLOR     - Change ISPF default colors
11 CUAATTR   - Change values of CUA panel elements

F13=HELP    F14=SPLIT  F15=END    F16=RETURN  F17=RFIND  F18=RCHANGE
F19=UP       F20=DOWN   F21=SWAP   F22=LEFT    F23=RIGHT  F24=RETRIEVE

```

3.2 System Parameters

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File-AID ----- System Parameters -----
COMMAND ==>

Client Number: 002085                      Release Date: 11/18/1996
Client Name  : MAY AND SPEH DATA PROCESSING CENTER

Specify Function Defaults:
Display cancel confirmation      ==> Y      (Y = Yes; N = No)
Display "Records not selected" line ==> Y      (Y = Yes; N = No)
Character set                    ==> DFLT   (Code page identifier)

Specify Work File Allocations to be Used by Search/Update:
Space units                     ==> TRKS   (TRKS or CYLS)
Primary quantity                 ==> 10    (In above units)
Secondary quantity               ==> 5     (In above units)

Specify Intermediate Name to be Used on Unqualified VSAM Dataset Names:
VSAM intermediate name          ==> B039181

Specify Jump Command Default:      (Enables jump within File-AID screens)
Enable                            ==> N      (Y = Yes; N = No)

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3.3 Selection Criteria Parameters

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File-AID ----- Selection Criteria Parameters -----
COMMAND ==>
```

Specify Selection Criteria Option Defaults:

Record selection will continue

until

```
Number of records to search ==> ALL    you have read this many records
Number of records to select ==> 250    or selected this many records
```

Specify Processing Direction Used by Browse, Edit, Copy, Print, Search/Update:

Seq/VSAM processing direction ==> F (F = forward; B = backward)

Specify Unformatted Selection Criteria Defaults:

Relational Operator ==> EQ (Enter any valid relational operator)

Logical connector $\implies$ AND (AND or OR)

3.4 Print Parameters

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File-AID ----- Print Parameters -----
COMMAND ==>
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Number of lines/page    ==> 55      (0 = Suppress page headings)
Sysout class            ==> A
Number of copies        ==> 1
```

Enter One of the Following Optional Destinations:

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Destination printer ==> (Local or remote printer)
```

- - - OR - - -

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External JES Node ID      ==> (Predefined JES Node and symbolic ID
Target VM/TSO ident      ==> of intended receiver of output)
```

- - - OR - - -

```
Sysout writer name ==> (Installation assigned output
```

```
writer)
```

- - - OR - - -

```
(DSORG=PS; RECFM=V; LRECL=125)
```

Print dataset name

Disposition ==> OLD (NEW; SHR; MOD; OLD)

Volume serial ==>

3.5 Processing Parameters

File-AID ----- Processing Parameters -----
COMMAND ==>

Specify Record Information Default Used by Search/Update:

Include record information ==> NO (Y = Yes; N = No)

Specify Partitioned Dataset Defaults Used by Copy and Search/Update:

Replace like-named members ==> YES (Y = Yes; N = No)

Copy/Edit entire member ==> YES (Y = Yes; N = No)

Copy empty members ==> NO (Y = Yes; N = No)

Maintain PDS statistics ==> YES (Y = Yes; N = No; A = Add)

Display member selection list ==> YES (Y = Yes; N = No)

3.6 Audit File Allocation Parameters

File-AID ----- Audit File Allocation Parameters -----
COMMAND ==>

Specify Audit Trail File Allocation Information:

Space units ==> TRKS (TRKS; CYLS; BLKS)

Primary quantity ==> 15 (In above units)

Secondary quantity ==> 75 (In above units)

4 Default Setting Panel

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----- File-AID VL-8.0.0 - Default Setting Panel -----
COMMAND ==>                                     Client Number: 1500
                                     Release Date:
11/18/96
Function defaults for: AMERICAN INTERNATIONAL GROUP
  Include record information ==> N      (Y=yes, N=no)
  Seq/VSAM process direction ==> F      (F=forward B=backward)
  Number of records to search ==> 0      (0 = all)
  Number of records to select ==> 250    (0 = all)

Browse and edit selection parameter defaults:
  Length/Operator ==> EQ      (eq ne gt lt ge le no mx)
  AND/OR          ==> AND      (and or)

Browse intermediate work file allocation defaults:
  Allocation type   ==> TRKS    (trks cys)
  Primary allocation ==> 10      (in above units)
  Secondary allocation ==> 5      (in above units)

VSAM intermediate name ==> ZADSADM
Additional user catalog ==>
Catalog connector name ==>
```

5 Pattern Characters

The valid pattern characters allowed in File-AID pattern datasets names are:

- C the asterisk (*)
- C question mark (?)
- C percent sign (%)
- C slash (/)
- C plus (+)

5.1 Asterisk

Asterisk (*)	The asterisk is a qualifier-name wildcard. It represents any single-level qualifier, or partial-level qualifier when preceded by 1 to 7 explicit characters.
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Example:

Dataset name ==> USERID1.TEST*

List all the datasets with a first-level qualifier of USERID1, a second-level qualifier beginning with TEST, and any number (including zero) of remaining qualifiers:

USERID1.TEST, USERID1.TEST.DATA, USERID1.TESTAA.DATA,
USERID1.TESTAB.NODE.NODE, etc.,

5.2 Question Mark (?) and Percent (%)

Question Mark (?) and Percent Sign (%)	The question mark and the percent sign are both single-character wildcards. Either character represents a single character in the specified position of the qualifier. A single-character wildcard can be used up to 8 times within a qualifier, but a character must exist in that position.
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Example:

Dataset name ==> USERID.TEST??

Dataset name ==> USERID.TEST%%

These examples both match datasets with a high-level qualifier of USERID and second-level qualifier of TESTAA and TESTTAB, but not TESTOUT or TEST.

They also match USERID.TESTAA.NODE and USERID.TESTTAB.NODE.NODE.

5.3 Slash (/)

Slash (/)	The slash specifies the number of levels in the dataset name. Dataset names with more levels than those specified in the Dataset names are not listed. The / must be the last element in the Dataset name. The / and the + cannot both be used in the same Dataset name.
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Example:

Dataset name ==> USERID.TEST.*/

This example matches USERID.TEST.ALPHA and USERID.TEST.BETA. It does not match USERID.TEST.ALPHA.BETA because there are too many levels or USERID.TEST because there are too few levels.

5.4 Plus (+)

Plus (+)	The plus tells File-AID to ignore any intermediate-level qualifiers. Use the + after the high-level qualifier and before the lowest-level qualifier to have File-AID ignore any intermediate qualifier. In effect, it matches zero or more qualifiers in the name. Only one + can be used per name. The portion of the name before the + represents a pattern for the high-level qualifier(s) of the dataset name; the portion after the + represents a pattern for the low-level qualifier(s). When the + is used, only dataset names that begin and end exactly as the pattern does are displayed. The / and the + cannot both be used in the same pattern dataset name. The + implies a / at the end of the pattern dataset name.
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Example:

Dataset name ==> USERID1+.TEST

This example matches USERID1.BETA.TEST, USERID1.TEST, or USERID1.FILEAID.ALPHA.SEQ.TEST, since they all begin with USERID1 and end with TEST.

It does not match USERID1.BETA.TEST.CLUSTER, because the + indicates that TEST must be the last qualifier in the dataset name.

In only the VTOC utility (3.7), the + (plus) may be used as the high-level qualifier in the search name.

Example:

Dataset name ==> +.JCL.CNTL

This example locates all datasets starting with anything but ending in .JCL.CNTL.

6 Data File Dataset

A data file dataset contains the data to browse, edit, copy, from/to, search/update, print, reformat from/to, or compare.

File-AID can process datasets created through any standard MVS method, including:

- C Sequential
- C Partitioned
- C ISAM
- C BDAM
- C VSAM - KSDS, ESDS, RRDS
- C VSAM - LINEAR can be allocated only
- C IAM