

## DARE TO COMPARE

PATHFINDER's File Analysis options ("56. File Analysis Menu") provide information about the physical and logical files on your system in an easy to read format. While this information is attainable using IBM commands, (DSPDBR, DSPFFD, DSPFD) PATHFINDER's options have advantages:

### TIME SAVINGS

- One command can be executed to retrieve field and file information
- Direct access to object and field X-ref data
- Access to source in browse or edit mode
- Command line access

Keep in mind, these options are "real-time", meaning they retrieve the information from the actual file object, not from pre-built X-ref or source. The information can be displayed, printed or outfiled for any file object on the system at any time. We selected two options to be examples and encourage you to explore the others.

We'll start with option "4. File layout" (DSPFILLO). Figure 1 demonstrates screen output for DSPFILLO on a physical file. The primary information needed about a file is right here on the screen. A unique feature of PATHFINDER'S file layout is the fields "from" and "to" position. And, as you can see, the field names in each format and the format name are displayed. The fields length, decimal positions, and type are presented.

Figure 1

```
DSPFILLO                               File Layout
File.....: CSTMSTP
Library.....: DATALIB                    File attribute : PF
File Text.....: Customer Master File      Field(s).....: *ALL

Type options, press Enter.
   5=File set used      6=Field X-ref      9=Where used      20=File set
  21=Select/omits     22=File layout    23=Key fields    30=Field attributes..

Opt  Field      From  -To-  Length Dec  Type      Format
-   -
-   CSTATUS    1     1     1      0   ALPHA    CSTREC
-   CUSTNO     2     7     6      0   ZONED    CSTREC
-   CFNAME     8    17    10     0   ALPHA    CSTREC
-   CLNAME    18   32    15     0   ALPHA    CSTREC
-   CADDR1    33   52    20     0   ALPHA    CSTREC
-   CADDR2    53   72    20     0   ALPHA    CSTREC
-   CCITY     73   87    15     0   ALPHA    CSTREC
-   CSTATE    88   89     2     0   ALPHA    CSTREC      +

Command =====>
F3=Exit          F4=Prompt        F5=Refresh        F8=Work with
F11=Text         F21=Print List   F23=More options  F24=More keys
```

Any secondary facts about the file or fields can be obtained by executing one of the options or by using one of the function keys. For example, if you prefer to view field text instead of file format, using F11 will toggle the display. Option "30=Field attributes" shows additional information such as column headings, field usage (Input, Output, or Both) and reference field definitions. More facts about the file can be obtained by entering options in the Pathway (2 character input capable field to the left of the object name at the top of the screen). For instance, option "23=Key fields" can be entered to view the key fields for the file. Option "9=Where used" can be used next to either the file or a field to access the X-ref options of Object where used or Field where used.

And don't forget that user-defined options can be executed here, too. PATHFINDER includes the user-defined option file, "HA WKEYE/USERPATH" for use while in PATHFINDER. Pressing F16 in a PATHFINDER subfile lists the available options. Be sure to call Tech Services if you'd like more information.

Entry of a logical file is supported as well, and will not only provide all the information described above, but will show what physical file the logical is based on. Figure 2 demonstrates DSPFILLO for a multi-format logical.

Figure 2

DSPFILLO		File Layout						
File.....: CSTMSTL3							File attribute : LF	
Library.....: DATALIB							Field(s).....: *ALL	
File text.....: Customer Master File logical multiple formats								
Type options, press Enter.								
5=File set used		6=Field X-ref		9=Where used		20=File set		
21=Select/omits		22=File layout		23=Key fields		30=Field attributes..		
Opt	Field	From	-To-	Length	Dec	Type	Format	Physical
-	=====	=	=	=		=====	CSTREC1	CSTMSTP
-	CSTATUS	1	1	1		ALPHA	CSTREC1	CSTMSTP
-	CUSTNO	2	7	6	0	ZONED	CSTREC1	CSTMSTP
-	CFNAME	8	17	10		ALPHA	CSTREC1	CSTMSTP
-	CLNAME	18	32	15		ALPHA	CSTREC1	CSTMSTP
-	CSSN	33	41	9	0	ZONED	CSTREC1	CSTMSTP
-	=====	=	=	=		=====	CSTREC2	CSTMSTP
-	CSTATUS	1	1	1		ALPHA	CSTREC2	CSTMSTP +
Command =====>								
F3=Exit		F4=Prompt		F5=Refresh		F8=Work with		
F11=Text		F21=Print List		F23=More options		F24=More keys		

Our second example from the File Analysis menu is option "1. File set", (DSPFILSET). A file set is a group of related physical and logical files. Figures #3 and #4 illustrate DSPDBR and DSPFILSET when a physical file has been entered. Note both show the related files in the set. However, DSPFILSET also shows the number of formats for each logical, whether the logicals have select/omit criteria, and the files text. Probably the most appreciated information is the

key fields for all the files in the set. Just like DSPFILLO, many options and function keys are available to provide more information or additional functions.

Figure 3

```

5716SS1      V4R2M0      980228      Display Data Base Relations
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DSPDBR Command Input
  File.....: FILE      CSTMSTP
  Library.....:          DATALIB
  Member.....: MBR      *NONE
  Record format.....: RCDFMT *NONE
  Output.....: OUTPUT   *PRINT

Specifications
  Type of file.....:          Physical
  File.....:          CSTMSTP
  Library.....:          DATALIB
  Member.....:          *NONE
  Record format.....:          *NONE
  Number of dependent files.....:          4

Files Dependent On Specified File
  Dependent File      Library      Dependency      JREF      Constraint
  CSTMSTL1            DATALIB      Data
  CSTMSTL2            DATALIB      Data
  CSTMSTL3            DATALIB      Data
  CSTMSTL3            DATALIB      Data

```

Figure 4

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DSPFILSET      File Set

File.....: CSTMSTP
Library.....: DATALIB      File attribute : PF
File text.....: Customer Master File      How used.....: *ALL

Type options, press Enter.
  5=File set used      6=Field X-ref      9=Where used      20=File set
  21=Select/omits     22=File layout     23=Key fields     24=Join fields...

Opt  File      Library      Fmts  S/O  Key fields
-    CSTMSTP   DATALIB     1     No   No key fields
-    CSTMSTL1  DATALIB     1     No   CSTATUS, CSTATE, CCITY, CZIP, CAREACD, +
-    CSTMSTL2  DATALIB     1     Yes  CSTATUS, CUSTNO, ORDDAT
-    CSTMSTL3  DATALIB     2     No   CSTATUS, CUSTNO

Command =====>
F3=Exit      F4=Prompt      F5=Refresh      F8=Work with
F11=Text     F21=Print List F23=More options F24=More keys

```

While DSPDBR only provides the "file set" when a physical is entered, DSPFILSET also supports logical files, and will return information about it's based-on physical. Of course, DSPFD for the logical will also tell you what physical it was created over, but it most likely won't be on the first screen.

Will you dare to compare? If you have not been using these PATHFINDER options, how about giving them a try? Explore the capabilities at your fingertips, as we've only described a small portion of what is available. These options were specifically designed to save you time and provide output which is easy to read, and ready to use. If you would like more detailed information on any area of the package, simply contact us by email at [info.hawkeye.com](mailto:info.hawkeye.com) or call us Monday-Thursday, 7 a.m. to 5 p.m. (MST) and Friday 7 a.m. to 3 p.m., VOICE (970) 498-9000 or FAX (970) 498-9096 at Hawkeye Technical Services.