

Display Files

If no particular file is specified, option "F" lists all files in the specified database. If a file is specified, option "F" provides detailed layout information for the file. Physical device and file layout information is available only for a specific file.

This chapter covers the following topics:

- Display a List of Files in the Specified Database
- Display Information for a Specific File

Display a List of Files in the Specified Database

When no file number or "0" (zero) is specified in the File No field on the Database Report menu, a list of the files in the specified database is displayed:

15:24:38		*****	A D A B A S		BASIC SERVICES		*****	2006-07-20			
DBID 105					- Display Files -			PDRF002			
Fnr	File Name	Loaded	Top-ISN	Max-ISN	Ext.	Pad %	Ind.	%Used			
					NUAD	A	D	ACISEXU	A	D	
----	-----	-----	-----	-----	-----	--	--	-----	-----	-----	
1	EMPLOYEES	2006-07-20	1110	5511	1111	3	3	NNISNNN	68	88	
2	MISCELLANEOUS	2006-07-20	1779	5511	1111	3	3	NNISNNN	32	88	
4	AUTOMOBILES	2006-07-20	1000	5511	1111	3	3	NNISNNN	34	36	
5	PERSONNEL	2006-07-20	1000	5511	1111	3	3	NNISNNN	38	52	
6	FINANCE	2006-07-20	1000	5511	1111	3	3	NNISNNN	52	52	
7	GDMUSIC	2006-07-20	3292	16535	1111	3	3	NNNSNNN	81	95	
8	SAMPC-REV311DATA	2006-07-20	44679	100593	1111	3	3	NNNSNNN	79	99	
9	RD-NAT217-FUSER	2006-07-20	163272	175005	1111	3	3	NNISNNN	76	99	
10	RD-PRD314-FDIC	2006-07-20	60016	63387	1111	3	3	NNNSNNN	73	90	
11	REV320-DBFILE	2006-07-20	4442	11023	1111	10	10	NNNSNNN	42	82	
12	REV340-DBFILE	2006-07-20	52008	63387	1111	10	10	NNNSNNN	6	13	
13	SASRM-ZAP-TEST	2006-07-20	11	1377	1111	3	3	NNNSNNN	93	4	
14	SASRM-ZAPSYS	2006-07-20	5	1377	1111	3	3	NNNSNNN	28	4	
16	SAGDT-PRD-FDIC	2006-07-20	25649	30315	1111	3	3	NNISNNN	57	85	
PF1-----	PF2-----	PF3-----	PF4-----	PF6-----	PF7-----	PF8-----	PF12-----				
Help	Repos	Exit	--	--	+		Menu				

The PF2 (Reposition) key displays a window in which you can enter a new starting value for the file list. When you enter a file number, the Display Files list begins with that file.

The Display Files screen provides the following information for each file:

- file number and file name;
- date the file was loaded into the database;
- highest ISN currently in use in the file and the highest ISN allowed in the file;

- number of logical extents currently assigned: by Associator (*N* ormal index; *U* pper index; *A* ddress converter) and *D* ata Storage. A maximum of five logical extents may be allocated to a file.
- block padding factor percentage defined for the Associator and for Data Storage;
- indicators as follows:

A	ADAM option: A = ADAM ISN- or descriptor-selected file; N = non-ADAM file.
C	coupled (C) or non-coupled (N) file.
I	ISNs are reusable (I) or not (N).
S	Data Storage blocks are reusable (S) or not (N).
E	data files are ciphered/encrypted (E) or not (N).
X	files are expanded (X) or normal (N).
U	USERISN option: U = option is in effect for the file; N = option is not in effect.

- percentage of allocated space currently used by the file in the Associator and in Data Storage.

The equivalent direct command is

DISPLAY FILE

Display Information for a Specific File

When a valid file number is specified on the Database Report menu, the following Display File Layout information is displayed for that file:

```

15:32:22          ***** A D A B A S  BASIC  SERVICES  *****          2006-07-20
DBID 105          - Display File Layout -          PDRF012

*****
*   File 75       *   UES-FILE
*****
Records loaded ..... 1107          Date loaded ..... 2006-07-20 15:18:17
Top ISN ..... 1107
Max ISN expected ... 1502          Max Compr Rec Lngth .. 4816
Minimum ISN ..... 1          Asso/Data Padding .... 3%/3%
Size of ISN ..... 3 Bytes          Highest Index Level .. 3
Number of Updates .. 0
ISN Reusage ..... NO          USERISN ..... NO
Space Reusage ..... YES          MIXDSDEV ..... NO
ADAM File ..... NO          PGMREFRESH ..... NO
Ciphered File ..... NO          NOACEXTENSION ..... NO
Coupled Files ..... NONE          Universal Encoding ... YES
Blk per DS Extent .. 0
Blk per UI Extent .. 0
Blk per NI Extent .. 0          Length of Owner ID ... 0

PF1----- PF2----- PF3----- PF4----- PF6----- PF7----- PF8----- PF12-----
Help          Exit          Refresh          Menu

```

The information for the file can be refreshed by pressing PF4.

You can display additional information about UES codes, coupling, LOB file/fields and space allocations by pressing ENTER.

The equivalent direct command is

```
DISPLAY FILE file-number
```

The Display File Layout screen displays the following information for the file:

- the file number and name;
- the number of records currently contained in the file;
- ISN information: the highest ISN currently used in the file; the highest ISN planned for the file (see the ADALOD utility's MAXISN parameter); the lowest ISN that can be assigned to a record in the file (see the ADALOD utility's MINISN parameter); whether 3- or 4-byte ISNs are used for the file; and whether ISNs can be reused.
- the total number of updates since the file was last loaded;
- other file option settings: whether Data Storage space can be reused; whether the file was loaded with the ADAM option, the cipher option, the USERISN option; whether the file is physically coupled to another file; whether Data Storage extents can be on different device types; whether the file can be refreshed using the E1 command; whether the file permits the MAXISN setting to be increased.

- the number of blocks allowed per Data Storage, upper index, and normal index extent;
- the date and time the file was last loaded;
- the maximum compressed record length permitted for the file (see the ADALOD utility's MAXRECL parameter);
- the padding factor for the Associator and for Data Storage;
- the highest index level currently active for the file;
- the total number of blocks in the file that have been changed by updates since the file was last loaded;
- the length of the owner ID for multiclient files.
- whether universal encoding support (UES) is being used.

When universal encoding support (UES) is being used, pressing ENTER from the initial Display File Layout screen lists the current code values:

```

15:33:00          ***** A D A B A S  BASIC  SERVICES  *****      2006-07-20
DBID 105                      - Display File Layout -                      PDRF012

Universal Encoding Support enabled for this file

Encoding Keys:
File Alpha Code ..... 37
File Wide Code ..... 4095
User Wide Code ..... 4095

```

In any case, pressing ENTER from the initial Display File Layout screen displays the following space allocation and usage information:

```

15:33:41          ***** A D A B A S  BASIC  SERVICES  *****      2006-07-20
DBID 105                      - Display File Layout -                      PDRF022

File 75

      IDeviceIListI  Space allocated  I      From      To      I  Unused      I
      I Type ITypeI  Blocks    / Cyls. I      RABN      RABN      I  Blocks / Cyls.I
-----I-----I-----I-----I-----I-----I-----I-----I-----I
      I      I      I      I      I      I      I      I      I      I
ASSO I 3380 I AC I      3      0 I      724 -      726 I      0      0 I
      I 3380 I UI I      15     0 I      747 -      761 I      0      0 I
      I 3380 I NI I      20     0 I      727 -      746 I      0      0 I
      I 3380 I NI I      56     0 I      762 -      817 I      2      0 I
      I      I      I      I      I      I      I      I      I
DATA I 3380 I DS I     116     0 I      216 -      331 I     29     0 I

PF1----- PF2----- PF3----- PF4----- PF6----- PF7----- PF8----- PF12-----
Help                      Exit      Refresh                      Menu

```

If LOB flags are set, the following information will be displayed:

16:52:35	***** A D A B A S BASIC SERVICES *****	2006-08-25
DBID 1956	- Display File Layout -	PDRF042
LOB File, Related file number 15		

or

16:54:23	***** A D A B A S BASIC SERVICES *****	2006-08-25
DBID 1956	- Display File Layout -	PDRF042
File has LOB Fields, Related file number 16		