Modify File Parameters

Note:
AOS in not able to modify file parameters for Adabas files incorporated in Predict. This is because AOS cannot modify the FCB of these files. Error messages are produced when such an attempt is made. We recommend that you use Predict 4.5.1 to make file parameter updates for Adabas files incorporated in Predict.

▶ **To modify parameters for a file**

1. Select option "M" (modify file parameters).

2. Specify the number of the file to be modified.

3. If the file is protected, supply the password.

4. Press ENTER.

   The Modify File Parameters screen is displayed:

```
13:37:34              ***** A D A B A S  BASIC  SERVICES *****           2009-06-12
DBID 1955                   -  Modify File Parameters  -                 PFLM012

 File No. ... 11
 File Name .. NAT-SYSTEM
 ------------------------------------------------------------------------------
 ASSO PFAC .......... 10                   Max. Allocation
 DATA PFAC .......... 10                     UI Blks per extent .. 0
 Max. RECL ..........  5060                  NI Blks per extent .. 0
                                             DS Blks per extent .. 0
 New File Name ...... NAT-SYSTEM_____    ISN Reuse ............. ON_
 New File No. ....... 11                         with RESET ..... ___
                                                 in Parallel .... NO_
 User ISN ........... ON_                  DS Reuse .............. ON_
 File Password ......                             with RESET ..... ___
 Spanned Records .... OFF                         in Parallel .... NO_
 MU/PE indices ...... 1                    Mixed DS Device ....... OFF
 Reptor update only . OFF                  Program Refresh ....... OFF
 AlphaNum Encoding .. 0                    Replication ........... OFF
 WideChar Encoding .. 0                           in Parallel .... NO_


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

   This function corresponds to the utility function ADADBS MODFCB.

   If large object (LOB) flags are set, the following screen is displayed:

```
 13:37:34          ***** A D A B A S  BASIC  SERVICES *****        2009-06-12
 DBID 1955              -  Modify File Parameters  -              PFLM012

  File No. ... 11
  File Name .. LOBFILE
  ---------------------------------------------------------------------------
  ASSO PFAC .......... 10               Max. Allocation
  DATA PFAC .......... 10                UI Blks per extent .. 0
  Max. RECL ..........  5060             NI Blks per extent .. 0
                                         DS Blks per extent .. 0
  New File Name ...... LOBFILE_____  ISN Reuse ............. ON_
  New File No. ....... 11                     with RESET ..... ___
                                              in Parallel .... NO_
  User ISN ........... ON_              DS Reuse .............. ON_
  File Password ......                        with RESET ..... ___
  Spanned Records .... OFF                    in Parallel .... NO_
  MU/PE indices ...... 1                Mixed DS Device ....... OFF
  Reptor update only . OFF              Program Refresh ....... OFF
  AlphaNum Encoding .. 0                Replication ........... OFF
  WideChar Encoding .. 0                      in Parallel .... NO_

 PF1----- PF2------ PF3------ PF4------ PF6------ PF7----- PF8----- PF12-----
 Help               Exit    LOB Info                                Menu
```

If you press PF4 on the screen when it displays a LOB file, a pop-up window appears showing detailed information about the file:

```
 - LOB File Information -

    *****************

    * File   16     *

    *****************

  File Info: LOB file
  Related LOB File Number ....... 15___

   PF3---
   Cancel
```

The equivalent direct command is

```
 MODIFY FILE file-number
```

This chapter covers the following topics:

- Change Padding Factors

- Change Maximum Allocation

- Change Record Length

- Rename or Renumber the File

- Supply a Password for the File

- Set ISN and Data Storage Block Reuse

- Select File Options

- Change Code Pages

- Change Replication Parameters

Change Padding Factors

Using the ASSO PFAC and the DATA PFAC fields on the Modify File Parameters screen, you can change the Associator and Data Storage padding factors for the file.

The "padding factor" is the percentage (%) of each Associator or Data Storage block that is reserved; that is, not loaded. This area is used to create new records later. The range is from 3 to 90 percent. The factor size allocated should depend on the amount of updating that is expected. The number of bytes left in the Associator after padding must exceed the largest descriptor value by at least 10.

Change Maximum Allocation

Using the Max Allocation fields on the Modify File Parameters screen, you can change the maximum number of blocks that can be allocated for Data Storage (field DS Blks per extent), the normal index (field NI Blks per extent), or the upper index extent (field UI Blks per extent).

The value specified must be specified in blocks and cannot be more than 65535. If one of the parameters is either not specified or specifies "0", the maximum secondary extent allocation for that component has no limit.

In all cases, however, Adabas enforces minimum secondary allocations for these parameters:

```
DS Blks per extent=6
NI Blks per extent=6
UI Blks per extent=15
```

If you specify a value lower than these minimum allocations, the Adabas-enforced minimum value is used.

Change Record Length

Using the Max. RECL field on the Modify File Parameters screen, you can change the maximum compressed record length allowed.

Rename or Renumber the File

Using the New File Name and New File No. fields on the Modify File Parameters screen, you can change the name or number of the file.

The equivalent direct commands are

```
RENAME FILE file-number
```

```
RENUMBER FILE file-number
```

Supply a Password for the File

Use the File Password field to specify a password for the file.

Set ISN and Data Storage Block Reuse

ISN Reuse and DS Reuse determine whether ISNs and Data Storage blocks for deleted records are reused as new records are added to the file. The equivalent direct commands are

```
REUSE ISNS file-number
```

```
REUSE DS file-number
```

When setting either of these two options to "ON", you can also set the RESET option "ON" to start the search for an unused ISN or Data Storage block at the beginning of the file.

Select File Options

You can also turn off or on several file options on this screen:

```
User ISN
ISN Reuse ...with RESET
DS Reuse ...with RESET
Mixed DS Device
Program Refresh
```

Change Code Pages

If the file was loaded using universal encoding support (UES), the code values may be changed on this screen using the AlphaNum Encoding and WideChar Encoding fields.

Change Replication Parameters

You can change the settings of several replication parameters:

Parameter	Description
Reptor update only	Indicates whether the file may be updated only by the Event Replicator Server as part of Adabas-to-Adabas replication or by other means as well.
Replication	Indicates whether replication has been turned on for the Adabas file.