MODFCB: Modify File Parameters

The MODFCB function modifies various parameters for a non-system Adabas file.

```
ADADBS MODFCB  FILE = file-number
               [ASSOPFAC = new-padding-factor ]
               [DATAPFAC = new-padding-factor ]
               [FILEREADONLY = { YES | NO } ]
               [LOBFILE = file-number ]
               [MAXDS = maximum-secondary-allocation ]
               [MAXNI = maximum-secondary-allocation ]
               [MAXUI = maximum-secondary-allocation ]
               [MAXRECL = maximum-compressed-record-length ]
               [NOUSERABEND]
               [PASSWORD = ' password ' ]
               [PGMREFRESH = { YES | NO } ]
               [RPLUPDATEONLY = {YES | NO} ]
               [SYFMAXUV = nn ]
               [TEST]
```

This chapter covers the following topics:

- Essential Parameter

- Optional Parameters

- Example

Essential Parameter

FILE: File Number

FILE is the number of the Adabas file to be modified. An Adabas system file cannot be specified. If large object (LB) fields exist in the file, this is the file number of the *base file*.

Optional Parameters

ASSOPFAC/ DATAPFAC: File Padding Factors

ASSOPFAC/DATAPFAC specify the padding factor (1-90) to be in effect for Associator and Data Storage, respectively. Existing blocks retain their original padding factor (see the ADAORD utility).

The Data Storage padding factor (DATAPFAC) setting is ignored for files containing spanned records. The following warning will appear if DATAPFAC is specified for a file that has data storage spanning enabled:

```
 *****DATAPFAC is ignored for files with spanned data storage enabled******
```

A return code of 4 (CC=4) is also returned.

FILEREADONLY: Utility Update Only Flag

The optional FILEREADONLY parameter can be used to indicate whether an Adabas database file should be placed in readonly status (where it can be updated only by Adabas utilities) or in normal status (where it can be updated in any normal manner). Valid values are "YES" (place the file in readonly status) or "NO" (place the file in normal status). There is no default value.

Note:
The ADADBS DSREUSE, ISNREUSE, NEWFIELD, RELEASE DE, and RENAME utility functions do not need to lock the file for their use; these functions can perform their processing in parallel with active users. This means that you do not need to set a file in read-only status (FILEREADONLY=YES) if you will be performing these other ADADBS functions only.

LOBFILE: LOB File Number

LOBFILE specifies the file number of the *LOB file* associated with the *base file*. This parameter is useful in combination with the FILE parameter (which is set to the base file number) to mark the two files as being in sync.

For more information, read *Large Object (LB) Files and Fields*.

MAXDS/ MAXNI/ MAXUI: Maximum Secondary Allocation

The maximum number of blocks per secondary extent allocation for Data Storage (MAXDS), the normal index (MAXNI), and the upper index (MAXUI). The value specified must specify blocks, be followed by a "B" (for example, MAXDS=8000B), and cannot be more than 65535B. If one of the parameters is either not specified or specifies "0B", the maximum secondary extent allocation for that component has no limit.

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

```
MAXDS=6B
MAXNI=6B
MAXUI=15B
```

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

MAXRECL: Maximum Compressed Record Length

The maximum compressed record length permitted for the file. The value specified should not be less than the current maximum record size in the specified file.

NOUSERABEND: Termination without Abend

When a parameter error or a functional error occurs while this utility function is running, the utility ordinarily prints an error message and terminates with user abend 34 (with a dump) or user abend 35 (without a dump). If NOUSERABEND is specified, the utility will *not* abend after printing the error message. Instead, the message "*utility* TERMINATED DUE TO ERROR CONDITION" is displayed

and the utility terminates with condition code 20.

Note:
When NOUSERABEND is specified, we recommend that it be specified as the first parameter of the utility function (before all other parameters). This is necessary to ensure that its parameter error processing occurs properly.

PASSWORD: File Password

This parameter is required if the file specified in the FILE parameter is password-protected.

PGMREFRESH: Program-generated File Refresh

The PGMREFRESH parameter determines whether a user program is allowed to perform a file refresh operation by issuing a special E1 command. If the parameter is not specified, the option remains in its current status: either on (YES) or off (NO).

RPLUPDATEONLY: Event Replicator Server Update Only

The RPLUPDATEONLY parameter can be used in the ADADBS MODFCB function to indicate whether an Adabas database file may be updated only by the Event Replicator Server as part of Adabas-to-Adabas replication or by other means as well. This parameter is optional. Valid values are "YES" or "NO". A value of "YES" indicates that the file can only be updated via Event Replicator processing; a value of NO indicates that the file can be updated by any normal means, including Event Replicator processing. There is no default; if no value is specified for the RPLUPDATEONLY parameter in the ADADBS MODFCB function, the value used previously for the file is used.

SYFMAXUV: Maximum MU System Field Values

The SYFMAXUV parameter can be used to specify the maximum number of values kept for a system field with the MU option during the execution of an update (A1) command (in other words, the maximum number of occurrences allowed for MU system fields during the execution of an update command). The value set for SYFMAXUV applies to all system fields in the file with the MU option. Valid values are integers from 1 through 20. The maximum value for SYFMAXUV is 20.

The internal default, if SYFMAXUV is not specified, is zero (0), which Adabas interprets to mean that there is no setting for this parameter at the file level. In this case, Adabas will assume a default of 1.

TEST: Test Syntax

The TEST parameter tests the operation syntax without actually performing the operation. Only the syntax of the specified parameters can be tested; not the validity of values and variables. See Syntax Checking with the TEST Parameter for more information on using the TEST parameter in ADADBS functions.

Example

The following modifications are to be made for file 203: the Associator padding factor is set to 5, the Data Storage padding factor to 5, and the maximum Data Storage secondary extent allocation to 100 blocks.

```
ADADBS MODFCB
FILE=203,ASSOPFAC=5,DATAPFAC=5,MAXDS=100B
```