Adabas Online System

Database Maintenance

Version 8.1.4

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Adabas Online System

This document applies to Adabas Online System Version 8.1.4.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Database Maintenance

The Database Maintenance function controls Adabas database (ASSO/DATA) file and space allocation: you can

- add data sets, increase or decrease the last data set;
- uncouple Adabas files;
- display or reset entries in the data integrity block (DIB); and
- recover space previously allocated but not used by Adabas utilities that ended abnormally.

```
18:22:47          *****  A D A B A S   BASIC  SERVICES  *****       2006-07-20
                             -  Database Maintenance  -                 PDM0002

                         Code    Service
                         ----    ----------------------------
                          A      Add new dataset to ASSO/DATA
                          I      Increase/decrease ASSO/DATA
                          R      List/reset DIB block entries
                          S      Recover unused space
                          U      Uncouple two Adabas files
                          ?      Help
                          .      Exit
                        -----    ----------------------------
          Code .......... _
          File No. ...... 0
          Coupled File .. 0
          Database ID ... 105    (RD-105)


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

The Adabas Online System Database Maintenance documentation is organized in the following topics:

Add a New Extent to the Associator or Data Storage

Increase or Decrease the Size of an Associator or Data Storage Data Set

Display and Reset DIB Block Entries

Recover Unused Space

Uncouple Adabas Files

1 Add a New Extent to the Associator or Data Storage

Option "A" is used to add a preformatted data set to the Associator or Data Storage. Before using this option, the data set to be added must be formatted using the ADAFRM utility.

Option "A" should be used only if the new data set is located on a different physical device. The Associator and Data Storage can each have as many as five data sets.

```
09:34:21          *****  A D A B A S   BASIC  SERVICES  *****       2006-07-20
   DBID 105                      -   Add Dataset   -                   PDMA002

   Enter Parameters to Add either a DATA OR ASSO dataset:

                       ASSO Device ....... ____
                       ASSO Size ......... __________

                       DATA Device ....... ____
                       DATA Size ......... __________

                       Blocks/Cylinders .. B
```

This function corresponds to the utility function ADADBS ADD.

The equivalent direct commands are

```
ADD ASSO
```

```
ADD DATA
```

2 Increase or Decrease the Size of an Associator or Data Storage Data Set

Option "I" is used to change the size of an existing data set for the specified component. If the component has more than one data set, option "I" changes the size of the last data set.

Since this option only changes the Adabas general control block entry, you must also ensure that the needed space is physically allocated and formatted when the data set is being increased.

When the Data Storage component has been increased four times, an ADAORD REORASSO utility function must be executed to reorder the DSST extents in the Associator component.

```
09:35:31         *****  A D A B A S   BASIC  SERVICES  *****       2006-07-20
   DBID 105                  -  Increase/Decrease   -                  PDMI002

   Enter Parameters :                              Possible values:

                     Increase/Decrease .. _             (I/D)

                              ASSO/DATA .. _            (A/D)
                                   Size .. __________
                   Blocks or Cylinders .. B             (B/C)
```

This function corresponds to the utility functions ADADBS INCREASE and ADADBS DECREASE.

The equivalent direct commands are

```
INCREASE ASSO
```

```
INCREASE DATA
```

```
DECREASE ASSO
```

```
DECREASE DATA
```

3 Display and Reset DIB Block Entries

The data integrity block (DIB) comprises entries for each Adabas utility currently operating, describing the resources each utility is using.

Option "R" alows you to list and remove any unwanted entries from the DIB.

This function corresponds to the utility function ADADBS RESETDIB. It can also be accomplished using the operator command DDIB.

The equivalent direct commands are

```
DISPLAY DIB
```

```
RESET DIB
```

4 Recover Unused Space

Space allocated for utility operations that ended abnormally remains unavailable unless it is intentionally recovered.

Option "S" is used to purposely reclaim such space for use. A message is returned indicating that the space has been successfully recovered.

This function corresponds to the utility function ADADBS RECOVER.

The equivalent direct command is

```
RECOVER SPACE
```

5 Uncouple Adabas Files

Option "U" is used to remove the physical coupling between the specified files by erasing the coupling inverted lists from each file's Associator. No change is made to the field definition tables (FDTs) or descriptors for the specified files.

This option must be executed before either of the specified files is deleted.

To determine if a file is physically coupled, check the "C" (coupling) indicator in the Database Report option's "Display File" function (described in the next section). Using the same function for those selected files, you can see the specific coupling information; that is, the specific fields in one file and their coupling to fields in other files.

This function corresponds to the utility function ADADBS UNCOUPLE.

The equivalent direct command is

```
UNCOUPLE FILES file1 file2
```

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