Creating a New LOB File (Adabas Version 8 only)

Adabas 8 introduces large object fields (LB fields). These are fields that may contain much more data than the 253 bytes of normal alphanumeric fields or the 16,381 bytes of LA fields. Fields containing large objects are defined with the new LB option. The theoretical maximum size of the value of an LB field is just short of 2 GB; practical usable sizes are smaller.

Adabas stores large object field values in a separate file, called a LOB file, that is tightly associated with the file containing the LB fields, which is called the base file. Behind the scenes, Adabas will store LB field values (except for very short ones) in the LOB file, but this is transparent to your application. Commands in application programs should always be directed against the base file; application programs need neither know nor care about the existence of a LOB file.

The **New LOB File** functionality of the Adabas Manager allows the creation of new LOB files.

▶ **To create a new LOB file for a database:**

1. Select an Adabas database in tree-view and expand it.

2. Select **Database Files** in tree-view and right-click on it.

3. Select **New LOB File** on the dropdown menu.

   The **Create LOB File** panel appears in detail-view.

4. Enter the following parameter values for the new file:

   - File Number

   - File Name (optional)

   - Base File (the file containing the large object (LB) fields)

   - MAXISN

   - Data Storage Size

   - Normal Index Size

   - Upper Index Size

   Note:
   If you click on the **Find** button next to the **File Number** text box, the next free file number will be displayed. If you enter a file number that already exists and click on the **Find** button, the next free file number after the number you entered will be displayed.

5. The following optional parameters can be set:

Property	Description
ACRABN	The address converter RABN space.
DSRABN	The data storage RABN space.
NIRABN	The normal index RABN space.
UIRABN	The upper index RABN space.
ASSO Padding	The padding factor (percentage of each block) set for the ASSO dataset (the default is 10).
DATA Padding	The padding factor (percentage of each block) set for the DATA dataset (the default is 10).
Max. Blocks of DS Extents	The number of blocks allowed per secondary Data Storage extent ("0" indicates that the parameter is not set; the default then is no limit).
Max. Blocks of NI Extents	The number of blocks allowed per secondary Associator normal index extent ("0" indicates that the parameter is not set; the default then is no limit).
Max. Blocks of UI Extents	The number of blocks allowed per secondary Associator upper index extent ("0" indicates that the parameter is not set; the default then is no limit).
Data Device	The device containing the Associator, Data Storage, or Work component.

You can also set:

Index Compression	if the index for the file can be loaded in compressed form (the default depends on the input file).
ISN Reuse	if a freed ISN can be reused for a new record (the default is "NO").
DS Reuse	if Data Storage space can be reused (the default is "YES").

6. Specify any parameters you may wish to set and click **Finish** to create the new LOB file.