

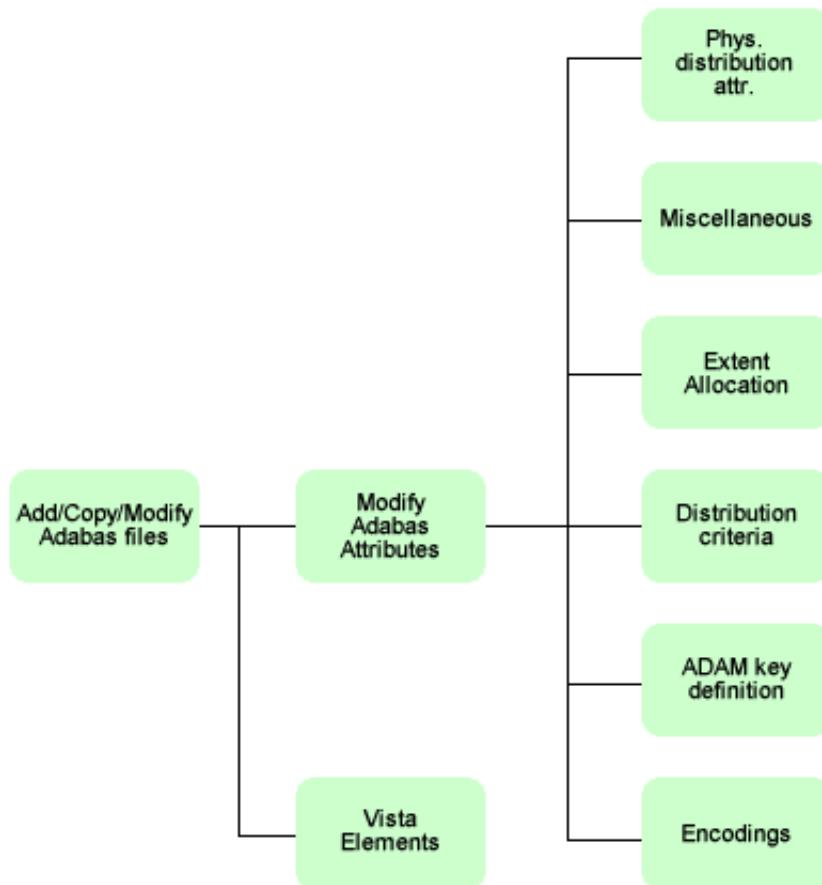
Documenting Files of Different Types

Adabas Files, File Type A

Adabas files are defined in several subsequent input screens.

Screens on lower levels are called by specifying Y in one of the fields Attributes or Additional attributes in the bottom line of the higher-level screens.

The following diagram gives an overview of the input screens and the sections where these screens are described.



Add/Copy/Modify File Screen

```
09:28:21          ***** P R E D I C T 4.3.1  *****
                     - Add a file -
File ID ..... HNO-A-FILE
Type ..... Adabas,Simple file
File number ..... 123
Contained in DA .
Keys ..          Zoom: N

Literal name .....
Average count .....
Stability .....* Not specified
Sequence field .....*
Vista Access DBnr .....*
Vista Access Fnr .....
Adabas SQL usage ..... N (Y/N)
Abstract      Zoom: N

Additional attributes ..* N  * Database link attr. .. N  Associations ..* N
```

Note:

Parameters common to all object types are described under Global Attributes.

For parameters common to all file types see Common File Attributes.

Parameters	
Sequence field	The descriptor to be used by Natural for logical sequential reading. Determines the sequence in which records are delivered by the READ LOGICAL statement. The GENERATE DDM function will use this field as the default READ LOGICAL field in the Natural data definition module.
Vista Access DBnr, Vista Access Fnr	The L-DBnr and L-Fnr are used as database and file number for function Generate DDM if the parameter Use Vista access-nr is set to Y or T in the Generate DDM menu. Valid values are 0 to 65535 for DBnr and Fnr. No check for uniqueness is performed. Note: This parameter should not be confused with the Vista parameter Vista number, which is used to identify a file uniquely within a network. See Including the Definition in the Vista Table in the section Adabas Vista in the Predict and Other Systems documentation
Adabas SQL usage	Y File is accessible via Adabas SQL Server. Note: When you add a file, this parameter can be specified in the Add a file screen. To change the value of this attribute for a file that already exists, use the Rename/rename file function (see Rename File).
Additional Options	
Additional attributes	Y Two types of additional attributes can be specified: <ul style="list-style-type: none">● Adabas attributes● Vista elements. The screens for entering Adabas attributes are described in the sections below.

Modifying Adabas Attributes

There are different ways of calling the initial Modify Adabas attributes screen:

- specify Y in the field Additional attributes and mark Adabas attributes in the selection window
- select function Modify Adabas Attributes (code J) in the File Maintenance menu
- enter command .A in the file editor of a database object
- enter command MODIFY ADA-ATTR.

Note:

If you do not call this screen, the default values set in the Default Adabas Attributes screen are taken. The Default Adabas Attributes screen is displayed with code A in the General Defaults menu.

```

13:19:12          ***** P R E D I C T  4.3.1 *****
          - Modify Adabas attributes -
File ID ..... HNO-NEW                         Added 2003-05-31 at 13:19
Type ..... Adabas, Simple file                 by HNO
in database .....

Required attributes                               Physical distribution type
  Phys. file number ..* 123                      Simple file
  Min ISN ..... 19
  Max ISN ..... 667

      Device      Cylinder Blocks   Padding factor  Max 2. alloc
      *-----      ----- ----- -----
ASO    3380     UI        5       1425           90
          NI        1
DATA   3380     DS        1               10

Loading attributes                             Loading attributes
  Max recl. .....
  ISN reusage ..... N (Y,N)
  User ISN ..... N (Y,N)                       One AC extent ..... N (Y,N)
                                                DS reusage ..... Y (Y,N)
                                                Mixed DS device ..... N (Y,N)

* Additional attributes ..* N

```

Note:

Up to six additional input screens can be called from this screen.

Parameters	
Required attributes	
Phys. file number	If a database is specified, the file number is taken as a physical file number automatically if this is possible. If not, a free physical number can be selected from a selection window.
Physical distribution type	The distribution type of the physical file which describes how the logical file is stored. Read only field.
Min ISN	ADALOD LOAD parameter MINISN.
Max ISN	ADALOD LOAD parameter MAXISN.

Device and Size Specification for Adabas Files

```

.....
.....
      Device      Cylinder Blocks   Padding factor  Max 2. alloc
      *-----      ----- ----- -----
ASO    3380     UI        5       10
          NI
DATA   3380     DS        1       10
.....
.....
```

The device type and the size of the Upper Index (UI), Normal Index (NI) and Data Storage (DS) can be specified. If the size is specified in blocks, the equivalent size in cylinders provided by Predict is preceded by greater than (>) if the number of cylinders does not match exactly. If the size is specified in cylinders, Predict provides the equivalent size in blocks.

The maximum secondary allocation in blocks can also be specified in each case.

Four characters specify the type of device used to store this part of the file. This device type must already be defined in the Predict database object containing this file. When this device type is changed in the database, the same change should be made in every file object contained in the database.

DATA padding factor	ADALOD LOAD parameter DATAPFAC.
ASSO padding factor	ADALOD LOAD parameter ASSOPFAC.
Device	The device type of the Upper Index (UI), Normal Index (NI) and Data Storage (DS). The device type for Data Storage is ADALOD LOAD parameter DSDEV.
Size (Cylinders/Blocks)	ADALOD LOAD parameters UISIZE (Upper Index), NISIZE (Normal Index) and DSSIZE (Data Storage).

Note:

See also Extent allocation.

Loading attributes	
Max recl.	ADALOD LOAD parameter MAXRECL.
ISN reusage	ADALOD LOAD parameter ISNREUSE.
User ISN	ADALOD LOAD parameter USERISN.
One AC extent	ADALOD LOAD parameter NOACEXTENSION.
DS reusage	ADALOD LOAD parameter DSREUSE.
Maximum secondary allocation	ADALOD LOAD parameters MAXUI (Upper Index), MAXNI (Normal Index) and MAXDS (Data Storage).
Additional Options	
Additional Attributes	Y Displays a window for specifying the following Adabas attributes: <ul style="list-style-type: none"> ● Phys. distribution attr. ● Miscellaneous attributes ● ADAM key definition ● Extent allocation ● Distribution criteria ● Encodings

Note:

Phys. distribution attr. and Extent allocation only appear in this window if applicable.

Phys. distribution attr.

```

13:19:12          ***** P R E D I C T  4.3.1 *****
                  - Modify Adabas attributes -
File ID ..... HNO-NEW                               Added 2003-05-31 at 13:19
Type ..... Adabas, Partitioned                      by HNO
Contained in DA . HEB-55-HEB-NW-V (PDBnr: 55)

Distribution attribute
  Phys. distribution type ..* P  Partitioned

Loading attributes
  Min ISN ..... 19
  Max ISN ..... 667
  One AC extent ..... N (Y,N)

* Additional attributes ..* N

```

Parameters

Phys. distribution type	The types for the physical file are limited by the logical distribution type, as shown in the following table:															
	<table border="1"> <thead> <tr> <th>Physical distribution Type</th> <th>Logical distribution Type</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>expanded</td> <td>E</td> <td>expanded</td> </tr> <tr> <td>P</td> <td>partitioned</td> <td>P</td> <td>partitioned</td> </tr> <tr> <td>blank</td> <td>simple File</td> <td>any</td> <td></td> </tr> </tbody> </table>		Physical distribution Type	Logical distribution Type	E	expanded	E	expanded	P	partitioned	P	partitioned	blank	simple File	any	
Physical distribution Type	Logical distribution Type															
E	expanded	E	expanded													
P	partitioned	P	partitioned													
blank	simple File	any														

Miscellaneous Attributes

```

13:33:18          ***** P R E D I C T  4.3.1 *****
                  - Modify Adabas attributes -
File ID ..... HNO-NEW                               Added 2003-05-31 at 13:19
Contained in DA .                                     by HNO
PDBnr ..... PFnr ... 123

Adabas Security definition
  Access level ..... (0-15)
  Update level ..... (0-15)

Loading attributes
  Ciphered ..... N (Y,N)
  LOWERID ..... 0 (0-8)
  Refresh from program ... N (Y,N)
  Automatic allocation ... Y (Y,N)
  PLOG ..... Y (Y,N)
  ISN size ..... * 0
  Erase ..... Y (Y,N)
  Index compression ..... N (Y,N)

```

Parameters	
Access level	The Adabas access security level of the file.
Update level	The Adabas update security level of the file.
Ciphered	Y The file is a ciphered file.
LOWNERID	Length of internal Owner ID of a multi-client file.
Refresh from program	Adabas parameter PGMREFRESH. See the Adabas DBA Reference documentation.
Automatic allocation	Y Adabas will automatically allocate and deallocate extents. See the Adabas Reference documentation.
PLOG	Y Database runs with protection log. UNIX only.
ISN Size	Length of ISN. Valid values: 0, 2, 3 and 4. For Adabas/UNIX: 0, 2 and 4 are valid. For mainframes: 0, 3 and 4 are valid.
Erase	Y For Adabas/UNIX. All index and data storage blocks are overwritten with zeroes when they are returned to the free space table.
Index compression	Y Adabas reduces space requirements for the index and for data storage by removing redundant information on an individual descriptor basis.

Extent Allocation - Size Specifications For More Than One Extent

More than one extent can be specified using the Extent allocation option in the Modify Adabas attributes selection window.

The size and first RABN (Start Rb) of the Address Converter (AC), Upper Index (UI), Normal Index (NI) and Data Storage (DS) can be specified for up to five extents. The total space allocated is displayed in the upper right corner of the screen.

Specifying Restrictions on Input Data - Distribution Criteria

Distribution criteria determine which data can be written to a file.

Parameters	
Partitioning field	ID of the field used to distribute data into separate partitions. The field must exist in the file.
Access	Specifies the access level of a partition. F Full. Read/write access is permitted. R Read. Read-only access is permitted. N No access.
Critical	Specifies whether a partition is considered critical or not. Y Critical. N Not critical.
Shared Partition	Specifies whether to allow partition sharing for minimal data movement or not. Y Allowed. N Not allowed.
Value	Value to be checked. If the value is longer than 50 characters, set Zoom to Y.
Scroll to	If more validation criteria are specified than can be displayed in one screen, the criteria to be displayed on top of the list can be specified in the field Scroll to.

Modifying ADAM Descriptor Definition

```

13:40:40          ***** P R E D I C T  4.3.1  *****          2003-05-31
                  - Modify Adabas attributes -
File ID ..... HNO-NEW          Added 2003-05-31 at 13:34
Contained in DA .          by HNO
PDBnr .....      PFnr ... 123

ADAM descriptor definition
Field ID .....*
Parm .....
Overflow .....

```

Parameters	
ADAM descriptor definition	
Field ID	Fields to be used as ADAM descriptor. ADALOD LOAD parameter ADAMDE.
Parm	ADALOD LOAD parameter ADAMPARM.
Overflow	ADALOD LOAD parameter ADAMOFLOW.

Modifying Vista elements

```

13:51:47          ***** P R E D I C T  4.3.1  *****
                                         - Add Vista element -
File ID ..... JPE340                         Modified 2003-05-31 at 13:50
Type ..... Adabas, Partitioned                 by HEB

Network ..... * HOME
Simple ..... Y (Y,N)                         Partition ID assignment .. * V Vista
Vista
Environment ID .
DBnr ..... 1                                 Max number of partitions .. 255
Fnr ..... 3                                 Enable Read-by-ISN ..... Y (Y,N)
Name .....                                     Part. file concurrency .... 8
                                              Store control option ..... * 1 Reject

Database
*-----  -----  -----  -----
1

```

Scroll to:

Parameters

See the section Including the Definition in the Vista Table in the section **Adabas Vista** in the Predict and Other Systems documentation for a description of all parameters.

Encodings

Universal encoding support of an Adabas file can be defined in the screen shown below.

```
13:40:40          ***** P R E D I C T  4.3.1  *****          2003-05-31
                  - Modify Adabas attributes -
File ID ..... HNO-NEW123                         Modified 2003-05-31 at 13:34
Contained in DA . HNO-TEST                         by HNO
PDBnr ..... 12      PFnr ... 123
```

Universal encoding support

```
FACODE ..*      none
FWCODE ..*      none
FUWCODE ..*     none
```

```
* Additional attributes ..* S
```

Note:

See the **Adabas Administration documentation** for further information on this topic.