

Incorporating Adabas Files

Prerequisites and Restrictions

- A Predict database object for the Adabas database of the file must exist.
- If Natural Security is installed and function protection for Predict is activated, access rights must be given.
- Certain features of the Connect and Incorporate functions require Adabas Online Services to be active and Adabas Version 6 or above (see descriptions below).

Note:

See Concepts of Incorporation for basic information on how to use incorporation functions.

With partitioned or replicated files, a Predict file object can be implemented as several physical files. In this case the database/file number of implemented files and corresponding Predict file objects need not be identical. Predict evaluates the Vista translation table to determine if an implemented file is documented with a Predict file object, even if the database/file number are not identical.

Therefore, when incorporating partitioned files, only one implemented Adabas file can be incorporated using function I (incorporate). Other components of that file can then be connected with the incorporate function C (connect). Both the functions I and C update the Vista translation table of the file.

Selecting Adabas Files

The Incorporate Adabas Files screen is called with function code I and object code AF in a Predict main menu or with the command INCORPORATE FDT.

```

09:58:15          ***** P R E D I C T 4.2.2 *****          2002-07-31
Plan    0          - Incorporate ADABAS C Files -

Current VM ..... HOME

Database number ..... 180      (1-65535)
Physical file number from ..... 1      (1-2096)
                        to ..... 255    (1-2096)

Select option
  Even if only FDT exists ..... Y      (Y/N)

Processing option
  Connect automatic ..... N      (Y/N)
  Incorporate file attributes ....* R      Required attr.
  ADABAS password .....
    
```

Parameters	
Database number	The physical number of the Adabas database in which the Adabas files to be incorporated reside.
Physical file number	Range of physical file numbers of the Adabas files to be incorporated.
even if only FDT exists	<p>Y A file is to be incorporated even if it has been deleted with the Keep FDT option.</p> <p>N only valid if the following conditions are met:</p> <ul style="list-style-type: none"> ● Adabas Online Services must be available; ● The file to be incorporated must reside in a database of Adabas Version 6 or above; ● The file to be incorporated must not have been deleted with the Keep FDT option, since it must have implementation data.
Connect automatic	<p>Y The Adabas file and the Predict file object will be connected by the Compare function (code T) if no differences are detected between the field lists of the two objects.</p>
Incorporate file attributes	<p>Determines which attributes of the data dictionary file object are to be updated. Provided that Adabas Online Services are available and the file to be connected or incorporated resides in a database of Adabas Version 6 or above, the following values can be specified:</p> <p>R File attributes required when loading a file and any other file attributes specified in the data dictionary object</p> <p>O All file attributes including optional attributes not specified in the data dictionary object.</p>
Adabas password	The password required to access the file if the file is protected by Adabas security. The password is not converted to upper case.

Files which meet the given selection criteria and are not already connected to a Predict file object will then be listed as follows:

```

13:04:29          ***** P R E D I C T 4.2.2 *****          2002-07-31
                    - Incorporate Adabas Files -
Search-crit.: DBnr=180,File range=1-255,Even-only-FDT=Y

Cmd PFnr  Adabas name          Predict File ID          Remark
___      5 MISCELLANEOUS
___      6 N-213-FNATS          N-213-FNATS
___      8 AUTOMOBILES
___      9 FINANCE
___     10 CST332-SYSF
    
```

Columns in the List	
Adabas name	The name that was specified, either to the ADALOD utility or to Adabas Online Services, when the file was loaded into the database.
Predict File ID	The ID of Predict file object of type A that may correspond to the Adabas files.
Remark	
Any of the following type-specific remarks or blank. In any of the following messages is displayed, the connect function cannot be executed. For type-independent remarks see Remarks which apply to all Object Types.	
Partitioned master missing	Documentation of Vista elements and entries in Vista translation table are different.
ISN range overlapping	Predict file object with physical distribution type expanded is different.
Different components	Predict file object with physical distribution type expanded is different. Vista elements and entries in Vista translation table are different.
Different Vista type	Documentation of Vista elements and entries in Vista translation are different.
Different local definition	Documentation of Vista elements and entries in Vista translation are different.

Incorporation Functions for Adabas Files

The functions T, C and I apply.

Compare - Code T

Compares Adabas files and corresponding Predict file objects.

Differences between field lists and - if Adabas Online Services are available - their file attributes are reported. If no differences between the field lists are found and Connect automatic is set to Y, the Adabas file and the Predict file object are connected.

Connect - Code C

Connects Adabas file to the corresponding Predict file object and

- copies information from the Adabas FCB to the Predict file object,
- writes to the generation log of the object that a corresponding Adabas file existed when the connection was established.
- adds or updates Vista elements according to Vista translation table (if applicable).

Incorporate - Code I

Scope of the Incorporation

- One Predict file object is created for each Adabas file.
The Predict file objects are connected to the Adabas files.
- The new file object is linked to the database object via association *Contains FI*.
- One field object is created for each field in the file.
The ID assigned to each field object is created from the name of the field followed by either -GROUP for a group or -FIELD for a single field.
A prefix and/or suffix specified with the parameters Field name prefix/suffix is/are added.

- If the file is physically coupled, a relationship object is created for each coupling definition.
- One Vista element (if applicable). If the file is accessible via several entries in the Vista translation table, the Vista element is created for the lowest logical file number.
- If Adabas Online Services are active and the file is implemented in a database of Adabas Version 6 or above, information on the implementation of the file (space allocation, for example) is incorporated.

Before the function is executed, enter the following parameters in an additional input screen. Parameter File ID is mandatory, all other parameters are optional.

Incorporation Options	
File ID	ID of the new file object (mandatory). The Adabas name of the file is displayed and can be accepted or overwritten.
Field name prefix	Prefix of each field ID.
Field name suffix	Suffix of each field ID.
List incorporated code	Y The values of all attributes incorporated for the file are to be listed.
Edit elementary fields	Y The function Edit elements of a file is to be executed after incorporation.

Incorporating Adabas Files in Batch Mode

Command: INCORPORATE FDT

Enter parameters on next line in positional or keyword form.

Field	Keyword	Position
Database number	DBNR	1
Physical file number from	FROM-FNR	2
Physical file number to	TO-FNR	3
Even if only FDT exists	EVEN-ONLY-FDT	4
Connect automatic	AUTO-CONNECT	5
Incorporate file attributes	FILE-ATTR	6
Adabas password	PSW	7
Function	SUB-FUNCTION	8
File ID	FILE-ID	9
Field name prefix	PREFIX	10
Field name suffix	SUFFIX	11
List incorporated code	LIST	12

Example

To incorporate the file 1 in database 177 and give the file the name 'INC-TEST', code the command:

```
INCORPORATE FDT  
DBNR=177, FROM-FNR=1, TO-FNR=1, SUB-FUNCTION=I,  
FILE-ID=INC-TEST
```

or (abbreviated)

```
INCORPORATE FDT  
177,1,1,,,,I,INC-TEST
```

The example above uses the Natural parameters ID=, and IA==