

ALF Functions And Commands

This section covers the following topics:

- Export
- Import
- Test ALF
- Purge Data on ALF Transfer Medium
- Information on ALF Transfer Medium

Export

This function transfers data from a Predict environment and converts it to a special data exchange format called Access Layer Format (ALF). This format is described in a separate documentation, the Data Exchange Format documentation, which is available on request.

Calling the Function

Enter code E in the Coordinator Main Menu or with commands EXPORT and BUILD. See sample export command on Example of an Unload Operation in Batch Mode.

```

13:42:28          ***** P R E D I C T 4.2.2 *****          2002-07-31
                    - Export Extracts -

Extract ID *      No.      Extract ID *      No.
1                 6
2                 7
3                 8
4                 9
5                10

Export options          Build set for exporting          No.
With code .....* N      Metadata ..... N (Y/N)
With profile ..... N (Y/N) Retrieval models ..... N (Y/N)
With internal ID ..... Y (Y/N) XRef data ..... N (Y/N)
Include Extracts ..... N (Y/N)
Target environment .....* S2
Create Report listing ... Y (Y/N)

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      - - Stop - - Flip Print - - - -
    
```

Parameters	
Target environment	Data can be exported to one of the following environments: <ul style="list-style-type: none"> ● S Natural LightStorm 3.1 or Predict CASE 2.5 ● S2 Natural LightStorm 3.2

All other parameters are the same as for the function Unload Migrate on Calling the Online Function.

Exporting XRef Data

To export XRef data enter function code E, data type O and object code XR in the Coordinator main menu, or enter Y for parameter XRef data in the Unload Extracts screen.

Exporting XRef Data in Batch Mode

To export XRef data from the transfer medium, enter command

BUILD OBJECTTYPE XR <parameters>

Keyword	Field	Position
MEM	Member	1
LIB	Library	2
FNR	User system Fnr	3
DBNR	User system DBnr	4
FROM-DATE	From catalog date	5

Example: Add XRef data for User system file number 99 on database number 123:

```
BUILD OBJECTTYPE XR, FNR=99, DBNR=123
```

Sample Commands

Use the following commands to export XRef data for file number 99 on database 123:

```
BUILD OBJECTTYPE XR, FNR=99, DBNR=123
EXPORT TARGET=S2
```

Exporting Internal IDs

If you are working with more than one FDIC file, we strongly recommend you consolidate the Internal IDs of the objects at your site. After you have exported the objects you wish to consolidate, execute the function Import Internal ID as described in Importing Internal IDs.

You can **export** the Internal IDs of all objects or any subset of objects. However, it is not possible to **import** selectively. All objects on the transfer medium are imported with their internal IDs.

See also Consolidating Internal IDs in Batch Mode.

Calling the Online Function

Enter code E and object type I in the Coordinator main menu.

Only parameters Extract ID, Include Extracts and Target environment are applicable.

Exporting Internal IDs in Batch Mode

Internal IDs can be exported with the command EXPINTERNAL in library SYSDICBE. See Sample Batch Command.

Import

The Import ALF function is used to import data from an ALF file to your current Predict environment.

Calling the Function

Enter Code I in the Coordinator Menu or with an IMPORT command depending on the object/data type.

Differences to Load Migrate Function

The Import ALF function is essentially the same as the Load Migrate function. The difference is that Import requires ALF data as source, and Load requires Migrate data.

Importing Internal IDs

This function is used to consolidate Internal IDs if you have your Predict data in separate FDIC files (see Consolidating Internal IDs in Batch Mode). Before you execute this import function, you must first export objects with their Internal IDs.

Note:

It is not possible to import selectively: all objects on the transfer medium are imported with their Internal IDs.

Calling the Function

Enter function code I and data type I in the Coordinator main menu. In batch mode, the function is called with the following command in library SYSDICBE:

```
IMPORT INTERNAL-ID ALL UPDATE=Y
```

```

13:57:04          ***** P R E D I C T  4.2.2  *****                2002-07-31
                    - Import Internal ID -

Terminate, Help .....

Import options
With update ..... N (Y/N)
Create Report listing ..... Y (N/Y)

```

Parameters	
Import options	
With update	Y All objects on transfer medium are imported together with their Internal IDs. N Objects that would be transferred are listed.
Create Report listing	Y A report listing of type IMP is created. Default.

Test ALF

The Test ALF function performs the same checks as the Import function, but no data is written to the Main FDIC.

After the Test ALF function has been executed successfully, you can execute the Command CONTINUE to start an Import function. Data will be transferred to Main FDIC if the Coordinator Check Cycle is passed successfully.

See also Coordinator functions under Predict Security.

Calling the Function

Enter code S in the Coordinator Menu.

Purge Data on ALF Transfer Medium

This function deletes data on the ALF transfer medium.

Calling the Function

The Purge data on transfer medium function is called with code P in the Coordinator Menu.

Parameters Required for the Function

- Medium type must be D (database file).
- DBnr and Fnr must be specified.
- If the database is protected by password and cipher, these must be entered, too.
- Transfer medium ID must be specified. Enter an asterisk in field Identification to select a transfer medium ID for the specified database and file number.

Enter command

PURGE <parameters>

Keyword	Field	Position	Remarks
ALF-ID	Identification	1	These parameters are obligatory.
ALF-DBNR	DBnr	2	
ALF-FNR	Fnr	3	
ALF-PASSWORD	Password	4	These parameters are only required if the Coordinator FDIC is protected by password and cipher.
ALF-CIPHER	Cipher	5	

Information on ALF Transfer Medium

This function provides information on the data contained on the ALF Transfer Medium.

Calling the Function

Enter function code A in the Coordinator Main Menu. Parameter Medium type must be D, and a valid transfer medium ID must be specified. Enter an asterisk in field Identification to display a list of transfer medium IDs for selection.

A screen similar to the one below is displayed.

```

13:22:38          ***** P R E D I C T  4.2.2  *****          2001-11-16
                    - Coordinator -
Migrate Function          ALF Function
      +----- Information on ALF transfer medium -----+
U  Unload Mi !
L  Load Migr !   Transfer medium ID ..... GERALF          !
T  Test Migr !
D  Purge Mig !   Transfer medium creation information:      !
B  Info on M !   Date .. 2001-11-11  Terminal-Id .. DAEDC641 !
                  Time .. 13:42:03   Op-System .... MVS/ESA  !
Function ... !   User .. GER          .. Tp-System .... COMPLETE ! ..*
                  System files used for exporting:          !
Transfer med !   FNAT= (00180/00102)                          !
Medium typ  !   FDIC= (00180/00200) (PRD version 4.2 )      !
DBnr ..... !                                           ! .. 180
Fnr ..... !                                           ! .. 200
Password . !                                           ! ..
Cipher ... !           Hit Enter to continue                ! ..
Identifica !                                           !
      +-----+
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      - - Stop - - Flip Print - - - -
    
```

In this example, a second screen is displayed when you hit ENTER because the information exceeds the size of one screen

```

13:22:38          ***** P R E D I C T  4.2.2  *****          2001-11-16
                    - Coordinator -
Migrate Function          ALF Function
      +----- Information on ALF transfer medium -----+
U  Unload Mi !
L  Load Migr !   Transfer medium ID ..... GERALF          !
T  Test Migr !
D  Purge Mig !   ALF information:                            !
B  Info on M !   Version ..... 221                          !
                  Usage ..... 3                             !
Function ... !   Metastructure                               ! ..*
                  Name ..... PRD                             !
Transfer med !   Version ..... 331                          !
Medium typ  !
DBnr ..... !   Transfer medium size information:          ! .. 180
Fnr ..... !   ALF records ..... 2                          ! .. 200
Password . !                                           ! ..
Cipher ... !           Hit Enter to continue                ! ..
Identifica !                                           !
      +-----+
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      - - Stop - - Flip Print - - - -
    
```