

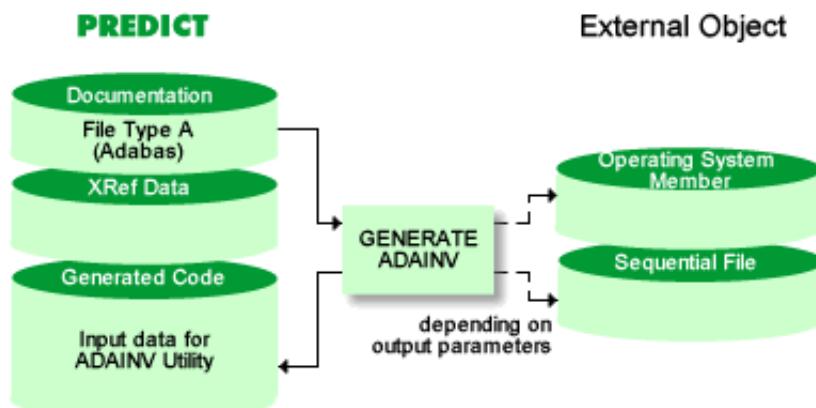
ADAINV Definitions

The function Generate ADAINV Definitions generates input data for the Adabas utility ADAINV from Predict file objects of type A.

The function applies to the following Adabas versions:

- IBM/Siemens Version 5.1 or above
- UNIX Version 2.1 or above
- VMS Version 2.1 or above

Predict checks against the implemented Adabas file which descriptors are already defined and generates the ADAINV definition only for the additional descriptors in Predict.



If Adabas Online Services are installed, ADAINV couple cards are generated additionally if file relations of type C (physically coupled) are documented but not implemented for the file.

When using Adabas version 7 or above on mainframes with Adabas Online Services installed or Adabas on a Windows or UNIX platform, the invert function can be executed as part of the Generate Adabas file function. In this case it is not necessary to adapt the FDT in a three step process (i.e. generate Adabas file, generate ADAINV and execute ADAINV).

In all other configurations, before using the ADAINV utility with Predict, it is recommended to first generate the Adabas FDT, then the ADAINV definitions.

The output generated from this function is used as input for the ADAINV functions INVERT and COUPLE in one member. The output must be punched and edited as necessary. See Sample Output.

This section contains:

- Calling the Function
- Generate ADAINV Definitions in Batch Mode
- Sample Output

Calling the Function

The Generate ADAINV Definitions screen is displayed with function code G and object code AI in a Predict main menu, or with the command GENERATE ADAINV.

```

09:13:47          ***** P R E D I C T  4.3.1  *****
Plan   0          - Generate ADAINV Definitions -
2003-05-31

Current VM ..... HOME
File ID ..... *
Phys. File number .....
Contained in DA .....
Phys. Database number .....

Save as member ..... Save in library .... INVLIB
Overwrite option ..... Y      (Y,N)      Op. system member ..
Punch / output ..... * N

List generated code ..... Y      (Y,N)      Adabas version .... * I7
SORTSIZE ..... C/B ... C      SORTDEV .....
TEMPSIZE ..... C/B ... C      TEMPDEV .....
Work pool size ..... KB/B .. KB      Cipher code .....
Prefetch buffer size ..... KB/B .. KB      Adabas password .....
Handle UQ conflict ..... * A

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help  Next  Stop  Last  LnkEl Flip  Print Impl  AdmFi SelFi Prof  Main

```

Values for input fields which have been locked by your data dictionary administrator cannot be overwritten. These fields are skipped when positioning the cursor with the TAB key. See Generation Defaults.

The parameter below can be changed in the Modify ADAINV Defaults screen. See Generation Defaults.

Presetting	
Library system	Library system for which the generated code is punched. Determines which additional cards need to be punched. An operating system member must be entered for the additional cards to be generated. See Parameters Specifying the Form of Output for more information.
Parameters	
The parameters Save as member, Save in library, Overwrite option, Op. system member, Punch/output, Workfile name and List generated code are described in the section Parameters Specifying the Form of Output.	
Current VM	Read-only field. ADAINV definitions can only be generated from Predict file objects contained in databases accessible from the current virtual machine.
File ID, Phys. file number, Contained in DA, Phys. database number	ADAINV definitions are generated for an Adabas file. The file must not be marked as Adabas system file. The file is identified either by file ID or physical file number in the database. The database can be identified either by database ID or physical database number. If one physical file number and one physical database number are not identified uniquely, a selection screen appears. The identified Adabas file must be implemented, because Predict performs the Adabas LF commands to check which descriptors are already defined.
SORTSIZE, TEMP SIZE	Both values must be entered (cylinders or blocks).
SORTDEV, TEMPDEV	Only required if the value is different from that specified with the ADARUN DEVICE parameter.
Work pool size	Both values can be specified in bytes or in kilobytes.
Prefetch buffer size	If no value is specified, the default size is taken.
Cipher code	Applies only to files marked in Predict as ciphered. Specifies the value of the cipher code parameter to be generated in the ADAINV control statement.
Adabas password	If the file specified is security protected, an appropriate Adabas password must be supplied.
Handle UQ conflict	Determines system response if descriptor is not unique. This parameter only applies to Adabas versions VMS 2.1 or above and UNIX 1.2 or above. A Abort R Reset

Generate ADAINV Definitions in Batch Mode

Command: GENERATE ADAINV

Enter parameters on next line in positional or keyword form. File ID is obligatory, all other parameters are optional. If a parameter is not specified, the default value is taken.

Field	Keyword	Position
File ID	FILE-ID	1
Phys. file number	FNR	2
Database ID	DB	3
Phys. database number	DBNR	4
Save as member	MEM	5
Save in library	LIB	6
Overwrite option	REPLACE	7
Op. system member	OS-MEMBER	8
Punch / output	PUNCH	9
List generated code	LIST	10
Adabas version	ADA-VER	11
SORTSIZE	SORTSIZE	12
C/B	SORTSIZE-TYPE	13
SORTDEV	SORTDEV	14
TEMPSIZE	TEMPSIZE	15
C/B	TEMPSIZE-TYPE	16
TEMPDEV	TEMPDEV	17
Work pool size	LWP	18
KB/B	LWP-TYPE	19
Cipher code	CIPHER	20
Prefetch buffer size	LPB	21
KB/B	LPB-TYPE	22
Adabas password	PSW	23
Handle UQ conflict	UQ-CONFLICT	24
Workfile name (see note below)	WORKFILE-NAME	25
If Entire System Server is used		
- DB-ID	NP-DBID	26
- Dataset	NP-DSNAME	27
- Volume	NP-VOLSER	28
- Library	NP-LIB	29
- Sublibrary	NP-SUBLIB	30
- Member type	NP-MEMTYPE	31
- VSAM catalog	NP-VSAMCAT	32

Note:

You can not specify a value other than blank (' ') for WORKFILE-NAME on mainframes.

Parameters NP-LIB, NP-SUBLIB and NP-MEMTYPE must be specified if the generated code is written to workfile 1 (Punch/output=Y) and Library system=3.

Sample Output

```
13:50:56      ***** P R E D I C T  4.3.1      *****
              - Generate ADAINV Definitions -
ADAINV INVERT FILE=171
ADAINV TEMPSIZE=60
ADAINV SORTSIZE=40,SORTDEV=3380
ADAINV FIELD='AD'
ADAINV HYPDE='04,S2,4,F,FI,MU,PE=AP,AF'
/*
ADAINV COUPLE
ADAINV TEMPSIZE=60
ADAINV SORTSIZE=40,SORTDEV=3380
ADAINV FILES=171,172,DESCRIPTOR='AD,AA'
```

```
DIC1800 SUMMARY:    27 FIELD(S) PROCESSED
```