

INPL - Introduction

The INPL (Initial Natural Program Load) utility is used to load Natural modules, DDMs or error messages from Software AG datasets (installation or update datasets) from Work File 1 into Natural system files. INPL is only used for initial Natural program loading or for implementing program corrections supplied by Software AG.

In addition, the INPL utility provides a scan function to check the contents of the datasets assigned to Work File 1 and a Natural Security Recover function which forces an initialization of the Natural Security environment.

When executed, the INPL utility will delete buffer pool entries of any cataloged object loaded to the Natural system file from the buffer pool used by the Natural session of the INPL utility.

If an error occurs during INPL execution, the INPL will be interrupted and terminate abnormally with Condition Code 40.

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Restrictions

Only datasets which are marked as "SAG system INPL dataset" are processed. To process datasets created with the NATUNLD utility, use the NATLOAD utility.

Special Case

When an INPL is to be performed in a Natural Security environment, the INPL command can be specified using the dynamic Natural profile parameter STACK.

Invoking INPL

To invoke the INPL utility

1. In the direct command line, enter the system command INPL and confirm your entry.
The Natural INPL Utility menu is displayed:

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11:04:48          ***** NATURAL INPL UTILITY *****          2001-11-09
User: SAG                                     Library: SYSTEM

          Code   Function

          L     Load Library Only
          D     Load DDMs Only
          E     Load Error Messages Only
          B     Load Library, DDMs and Error Messages
          S     Scan INPL File
          R     NATURAL SECURITY Recover
          ?     Help
          .     Exit

Code ..... B
Replace .... Y (Y/N/O)   Load Except . N (Y/N)
DDM Name ....
Library .....
Object Name .           Date ..... (YYYY-MM-DD)
Check Date .. N (Y/N)   Number ..... 0
File Type ... D (D/P)
Load File ... $NATWORK/SAGLOAD.sag
Report File . $HOME/report.txt

```

2. From the INPL menu, choose one of the following functions by entering the corresponding function code in the Code field:

- Load Library Only
- Load DDMs Only
- Load Error Messages Only
- Load Library, DDMs and Error Messages
(see the section All Objects)
- Scan INPL File
- Natural Security Recover

For details on these functions, use the hyperlinks, or refer to the corresponding sections. Modify or complete the remaining input fields as described in Options Available below.

3. Choose ENTER to confirm your entries.

Options Available

When you enter a function, you can specify the following parameters:

Parameter	Meaning
Library	This parameter only applies to the functions Load Library Only, Load DDMs Only, Load Error Messages Only, Load All Objects and Scan INPL File. It indicates the name of the library to be loaded/scanned. If the value ends with an asterisk (*), each library whose name begins with the specified value will be loaded/scanned. The library name is mandatory if Object Name is specified.
Object Name	This parameter only applies to the functions Load Library Only, Load All Objects and Scan INPL File. It indicates the name of the programming object(s) to be loaded/scanned. If the value ends with an asterisk (*), each object whose name begins with the specified value will be loaded/scanned. If the field is left blank, all objects within the library specified under Library will be loaded/scanned.

Parameter	Meaning
DDM Name	This parameter only applies to the functions Load DDMs Only, Load All Objects and Scan INPL File. It indicates the name of the DDM(s) to be loaded/scanned. If the value entered ends with an asterisk (*), each DDM whose name begins with the specified value will be loaded. If only an asterisk is entered or this field is left blank, all DDMs will be loaded/scanned.
Date (start)	This parameter only applies to functions Load Library Only, Load DDMs Only, Load All Objects and Scan INPL File. It enables you to restrict loading/scanning to those programming objects which were saved/cataloged on or after a given date. The date is entered in the format YYYY-MM-DD.
Number	This parameter enables you to restrict loading/scanning to a certain number of programming objects and/or DDMs. All objects which meet the selection criteria are counted. If the number of objects processed has reached the value of Number, processing is terminated with a corresponding message.
Replace	This parameter does not apply to the scan functions. Specifies whether objects/DDMs/error messages to be loaded are to replace any that already exist on the system file. With Option Y, the existing objects/DDMs/error messages are replaced. With Option N, the existing objects/DDMs/error messages are not replaced. Default for Replace is Y. See also the Check Date parameter if only older objects are to be replaced. In the function Natural Security Recover, you can enter the Option O in this field to reset the owner information of selected objects.
Check Date	This parameter only applies to the functions Load Library Only, Load DDMs Only and Load All Objects. It indicates whether programming objects or DDMs are to be replaced depending on their time stamp. If set to Y, only older objects are replaced (that is, objects which were saved or cataloged before the objects of the same names which are to be loaded). If set to N, all objects are replaced. This parameter has no effect if Replace is set to N. The default for Check Date is N.
Load Except	If Y is entered, the specified DDM name, Library and Object name selection are not loaded. This means, that all objects except the specified objects are to be loaded/scanned. Default for Load Except is N. Examples with Load Except = Y: Code = L Library = ABC: All libraries except the library ABC are loaded. Code = D DDM Name = XY*: All DDMs with a prefix other than XY are loaded. Code = B Library = AB* DDM Name = CD*: All libraries with a prefix other than AB and all DDMs with a prefix other than CD are loaded.
File Type	The type of work file: D = default (binary), P = portable. See also Work File Type in the section Define Work File in the Natural Statements documentation.
Load File	The name of the file to be loaded.
Report File	The name of the file to which the load report is to be written.

INPL Report

When the selected INPL function is complete, a corresponding INPL report is written to the file you specified in the Report file field. If no work file was specified, the report is displayed on a screen.