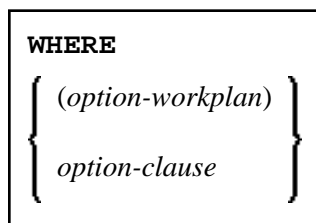# *option-setting*

The *option-setting* clause is used to change the default values of Object Handler command options.

The syntax that applies to the *option-setting* clause is shown and explained in the following section. The keywords and variable values contained in the syntax diagrams shown represent the parameters that are used to specify the default values. If indicated, a variable value must be supplied with a keyword.

- Syntax of option-setting

- Keyword Explanation of option-setting

Syntax of *option-setting*

```
WHERE
```
$$\left\{ \begin{array}{c} (\textit{option-workplan}) \\ \textit{option-clause} \end{array} \right\}$$

The syntax diagram that applies to *option-workplan* is shown and described in *Referencing Workplans* in the section *Workplans*.

The syntax of the *option-clause* is shown in the following section.

- Syntax of option-clause

Syntax of *option-clause*

```
┌                              ┐ ┐
│  REPLACE   ┌  ALL       ┐    │ │
│            │  OBSOLETE  │    │ │
│            └  EXCEPT    ┘    │ │
├                              ┤
│  transfer-options            │
│  internal-format-options     │
├                              ┤
│  NOREPORT                    │
│  NEWREPORT [file-name]       │
│  REPORT [file-name]          │
└  BATCHREPORT                 ┘
┌                              ┐
│  NORESTART                   │
│  RESTART [restart-file]      │
└                              ┘
```

[**NUMBER**PROCESS *number*]

[**FIXEDLENGTH**]

[**FDIC** (*dbid,fnr,password,cipher*)]

[**FSEC** (*dbid,fnr,password,cipher*)]

```
┌                              ┐
│  USE-FDDM  ┌  YES       ┐    │
│            └  NO        ┘    │
└                              ┘
┌ ┌                    ┐             ┌               ┐ ┌            ┐ ┐ ┐
│ │  NEWWORKFILE       │  file-name  │  WORKFILETYPE │ │  DEFAULT   │ │ │
│ │  WORKFILE          │             │  WFTYPE       │ │  PORTABLE  │ │ │
│ └                    ┘             └               ┘ │  UTF-8     │ │ │
│                                                      └            ┘ │ │
└                                                                     ┘ ┘
```

[**ADAFDUWORKFILE** *file-name*]

```
┌ ┌                    ┐ ┌            ┐ ┐
│ │  WORKFILELOCATION  │ │  PC        │ │
│ │  WFLOC             │ │  SERVER    │ │
│ └                    ┘ └            ┘ │
└                                       ┘
```

Separators

Commas must be used as separators between the values following the FDIC and FSEC keywords, or if a value is missing. For example: FDIC (10,21,,2a).

If the session parameter ID (see *ID - Input Delimiter Character* in the *Parameter Reference* documentation) has been set to a comma, use a slash (/) as the separator between values.

transfer-options

```
TRANSFER

┌                                    ┌ SYSTEM-TABLE                     ┐ ┐
│  CONVERSION-TABLE                  ┤                                  ├ │
└                                    └ USER-TABLE [conversion-program]  ┘ ┘

[SUBSTITUTE]

[INCLUDE-LINE-NUMBERS]

[UPPERCASE-TRANSLATION]

[INCORPORATE-FREE-RULES]

[LOAD-CODE-PAGE code-page-name]

[DA-FORMAT data-area-format]
```

internal-format-options

```
┌         ┌ ON       ┐ ┐
│         │ OFF      │ │
│  XREF   │ DOC      │ │
│         │ FORCE    │ │
└         └ SPECIAL  ┘ ┘

[DELETEALLOWED]

[NOSYMBOLTABLE]

[VERSIONCHECK]
```

Keyword Explanation of *option-setting*

The keywords and the variable values (if relevant) of *option-setting* are explained in the following section:

Option	Explanation	Restricted to Command
REPLACE	Replaces existing objects according to the option specified: ALL All objects (default setting). OBSOLETE All objects with a date older than the date of the object in the load file. EXCEPT All objects except those with a date newer than the date of the object in the load file.	LOAD LOADALL

Option	Explanation	Restricted to Command
TRANSFER	Set Transfer mode. The data is read and written in Transfer format. For valid options, see *Keyword Explanation of transfer-options*.	UNLOAD LOAD SCAN
NOREPORT	Specifies the report file setting: No data is recorded to a report file. This is the default setting for the FIND and FINDLIB commands.	
NEWREPORT	Specifies the report file setting: Report data is recorded and written to Work File 4 or *file-name*. An existing file will be overwritten.	
REPORT	Specifies the report file setting: Report data is recorded and written to Work File 4 or *file-name*. This is the default setting for the commands UNLOAD, LOAD, LOADALL, SCAN, SCANALL and DELETE.	
BATCHREPORT	Not applicable in a remote Natural Development Server environment. Specifies the report setting for batch processing or when using the OBJHAPI Application Programming Interface: Report data is either written to SYSOUT or output on the screen respectively (report data is *not* written to a file).	
NORESTART	No restart information is written to a file.	LOAD
RESTART	Restart information is written to Work File 6 or *restart-file*.	LOAD
NUMBERPROCESS	Specifies the number of objects to be processed. The LOAD or SCAN command stops execution after the number specified.	LOAD SCAN
FIXEDLENGTH	Sets the format of the unload work file to a maximum record length of fixed size. Every data record contains 256 bytes if written in internal format, or 100 bytes in Transfer format.	UNLOAD
FDIC	Specifies the system file FDIC to be used for processing: the database ID (*dbid*), file number (*fnr*), password (*password*) and cipher code (*cipher*) of the Adabas file. If no values (or 0) are specified, the current FDIC system file is used.	UNLOAD LOAD DELETE

Option	Explanation	Restricted to Command
FSEC	Specifies the system file FSEC to be used for processing: the database ID (*dbid*), file number (*fnr*), password (*password*) and cipher code (*cipher*) of the Adabas file. If no values (or 0) are specified, the current FSEC system file is used.	UNLOAD LOAD DELETE
USE-FDDM	Specifies that the FDDM system file is used for processing: see *Keyword Explanation of USE-FDDM* below.	UNLOAD LOAD FIND DELETE
NEWWORKFILE or WORKFILE	Specifies the work file to be used. The UNLOAD or LOAD data is transferred into/from Natural Work File 1. If NEWWORKFILE is specified, the data overwrites the contents of the existing work file or fills a new work file from the top. Otherwise, the data is appended.	UNLOAD LOAD SCAN

WORKFILETYPE
or
WFTYPE
	Not required by the LOAD and SCAN commands, which automatically choose the appropriate work file type and ignore this keyword if specified.
	
	The work file type of Natural Work File 1 when data is read and written in internal format:
	
	DEFAULT Default binary work file.
	
	PORTABLE Portable work file.
	
	UTF-8 Unicode/UTF-8 encoded binary work file.
	
	          UTF-8 only applies to the unload function and if TRANSFER is specified.
	
	          If UTF-8 is specified, you cannot use the options CONVERSION-TABLE, SUBSTITUTE and INCORPORATE-FREE-RULES.
	
	(See also *Work File Format* in *Work Files*.)
	
	If WORKFILETYPE has not been specified, the current type is used.
		UNLOAD
		LOAD
		SCAN

ADAFDUWORKFILE	The complete path name assigned to the work file (Natural Work File 5) into which Adabas FDT data is loaded.	LOAD

Option	Explanation	Restricted to Command
WORKFILELOCATION or WFLOC	Only applies to remote environments. Specifies the location of the unload, load or scan work file when using Object Handler functions in connection with SpoD (Single Point of Development). Valid input values are: SERVER — The work file is located on the server, in the remote environment. This is the default setting. PC — The work file is located in a local Windows directory, on the client.	UNLOAD LOAD SCAN

The keywords and the variable values (if relevant) of *transfer-options* and *internal-format-options* are explained in the following section:

- Keyword Explanation of transfer-options

- Keyword Explanation of internal-format-options

- Keyword Explanation of USE-FDDM

Keyword Explanation of *transfer-options*

When using the TRANSFER keyword, you can specify the following options:

Option	Explanation	Restricted to Command
CONVERSION-TABLE	Converts data processed in Transfer format by using either of the following conversion tables: SYSTEM-TABLE: The internal Natural conversion table. USER-TABLE: A user-defined conversion table if *conversion-program* has been specified. This program must be stored in the library SYSOBJH or one of its steplibs; see the example programs OTNCONAE and OTNCONEA in the library SYSOBJH. If no *conversion-program* is specified, the corresponding conversion table is used in NATCONV.INI ([ISO8859_1->EBCDIC] or [EBCDIC->ISO8859_1]).	UNLOAD LOAD SCAN
SUBSTITUTE	Replaces line references by labels during the unload in Transfer format. This option only applies if your source-code line numbers are used for statement references. If so, the line numbers of referenced lines and the line number references are replaced by labels. The sources are not modified in the database.	UNLOAD
INCLUDE-LINE-NUMBERS	Transfers line numbers during the unload in Transfer format. By default, line numbers in Natural objects are *not* unloaded.	UNLOAD
UPPERCASE-TRANSLATION	Translates any source code into upper case during the load in Transfer format. By default, source code in Natural objects is *not* translated.	LOAD
INCORPORATE-FREE-RULES	Incorporates source text of Predict free rules associated with a map into a map source during the unload in Transfer format if Predict is installed.	UNLOAD

Option	Explanation	Restricted to Command
LOAD-CODE-PAGE	Specifies the code page to be used for converting object sources encoded in Unicode/UTF-8 (Universal Transformation Format, 8-bit form). If you use this option, all object sources unloaded into a work file in UTF-8, will be converted with the specified code page when they are loaded into a work file. If you specify *CODEPAGE as *code-page-name*, the value assigned to the system variable *CODEPAGE is used (see the *System Variables* documentation). If *code-page-name* is not specified, the source objects are converted with the code page used when unloading them. If LOAD-CODE-PAGE is specified, you cannot use the options CONVERSION-TABLE and UPPERCASE-TRANSLATION.	LOAD LOADALL
DA-FORMAT	Specifies format conversion of data area sources. Possible values are: N Converts data areas to the new internal data area format. O Converts data areas to the old internal data area format. * Does not convert data areas. This is the default. See also the data area conversion options described in *Transfer* in *Settings - Options*.	UNLOAD LOAD

Keyword Explanation of *internal-format-options*

When using *internal-format-options*, you can specify the following:

Option	Explanation	Restricted to Command

XREF	Only applies if Predict is installed.
	
	Loads or unloads XRef data of cataloged Natural objects. You can specify one of the following values:
	
	ON UNLOAD:
	               Unloads cataloged objects and their cross-reference data (if any).
	
	               LOAD:
	               Loads cataloged objects and their cross-reference data if cross-references exist in the work file.
	
	OFF No XRef data is processed. This is the default.
	
	DOC Only applies to LOAD.
	               Loads cataloged objects only if Predict entries exist for the objects in the FDIC system file.
	
	FORCE Only applies to LOAD.
	               Loads cataloged objects and their cross-reference data only if cross-references exist in the work file and if Predict entries exist for the objects in the FDIC system file.
	
	SPECIAL Only applies to LOAD.
	               Loads cataloged objects and their cross-reference data (if any).
		LOAD
		UNLOAD

DELETEALLOWED	Processes delete instructions from work files created by the utility NATUNLD when loading objects in internal format.	LOAD

Option	Explanation	Restricted to Command
NOSYMBOLTABLE	Only applies to objects on mainframes. Unloads cataloged Natural library objects without their corresponding internal Natural symbol tables. This will reduce the amount of disk storage required. However, this is only useful for a production environment, as several application development functions which require the symbol tables will then not be available; in addition, the profile parameter RECAT=ON (see the *Parameter Reference* documentation) will not apply.	UNLOAD
VERSIONCHECK	Only applies to objects on mainframes. Checks the Natural version of the cataloged object to be loaded. The Natural version under which the objects were cataloged and written to the work file is compared with the current Natural version. Objects cataloged under a Natural version higher than the current one will be rejected. VERSIONCHECK can only be used if data is loaded in internal format, that is, if the TRANSFER option is *not* specified.	LOAD

Keyword Explanation of USE-FDDM

Only applies when processing Natural library objects on UNIX, OpenVMS or Windows platforms.

Specifies that the FDDM system file is used for processing.

If the FDDM file has been activated in the NATPARM module, the default setting is YES.

The following applies when specifying the values YES or NO:

Value	Explanation
YES	`UNLOAD`, `FIND` and `DELETE`: If the parameter `NATTYPE` is set to `V`, DDMs are only processed from the library SYSTEM located in the FDDM file or the file specified by the database ID (DBID) and the file number (FNR). No DDMs are processed if the parameter `NATTYPE` is set to `*`, or if `NATTYPE` is a combination of any Natural object types that does not include the type `V`. `LOAD`: DDMs are loaded into the library SYSTEM located in the FDDM file. See also `NATTYPE` in *Natural Library Object and DDM Selection* in *select-clause*.
NO	`UNLOAD`, `FIND` and `DELETE`: DDMs are processed from the libraries specified. `LOAD`: DDMs are loaded into the libraries specified.