DB - Database Types and Options

This Natural profile parameter is for mainframes only.

It can be used to define database types and options for all and for specific database IDs. It corresponds to the NTDB macro in the parameter module NATPARM.

Possible settings	*database-type*	*database-type* is besides ADABAS and its synonym ADAV7, for example, "DLI", "VSAM", "DB2", etc. (see the documentation for the corresponding Natural database management interface). This subparameter is mandatory.
	database-ID	*database-ID* must be in the range from 0 to 65535. Database ID "255" must not be specified, because it is reserved for internal use. You can specify a single database ID, a list of database IDs enclosed in parentheses, or an asterisk (*) to indicate all databases.
	options	*options*, see Possible Database Options below.
Default setting	ADABAS	Default database type.
Dynamic specification	YES	This parameter can only be specified dynamically. In the Natural parameter module NATPARM, the macro NTDB must be used instead.
Specification within session	NO	

The following topics are covered below:

- DB Parameter Syntax
- NTDB Macro Syntax
- Possible Database Options
- Examples of NTDB Macro
- Examples of DB Parameter

DB Parameter Syntax

The DB parameter is specified as follows:

1. Default Database Definition

The default database type and its default options is specified as follows. It applies to all database IDs not explicitly specified by the DB parameter or NTDB macro. If there are no options, the commas and the asterisk can be omitted.

```
DB=(database-type,*,options)
```

2. Single Database Definition

A single database ID is specified as follows:

```
DB=(database-type,database-ID,options)
```


3. Multiple Database Definition

Multiple database IDs of the same database type with the same options can be specified together, enclosed in parentheses:

```
DB=(database-type,(database-ID1,database-ID2,...),options)
```

NTDB Macro Syntax

The NTDB macro is specified as follows:

1. Default Database Definition

The default database type and its default options is specified as follows. It applies to all database IDs not explicitly specified by the DB parameter or NTDB macro. If there are no options, the commas and the asterisk can be omitted.

```
NTDB database-type,*,options
```

2. Single Database Definition

A single database ID is specified as follows:

```
NTDB database-type,database-ID,options
```

3. Multiple Database Definition

Multiple database IDs of the same database type with the same options can be specified together, enclosed in parentheses:

```
NTDB database-type,(database-ID1,database-ID2,...),options
```

Possible Database Options

The following options can be specified for both the DB parameter and the NTDB macro:

OPEN	This option applies to Adabas databases only, for which Adabas requires an open request to be issued. If OPEN is specified for such a database, an open request is always issued (even if the ETID is blank).
READ	The database is to be read-only.
ETP	The database is to be handled by Entire Transaction Propagator.
ENTIRE	The database is to be handled by Entire DB.
ADASTAR	The database is to be handled by Adastar.

The following options can be specified for the DB parameter only.

NOOPEN	Resets the OPEN option.
NOREAD	Resets the READ option.
NOETP	Resets the ETP option.
NOENTIRE	Resets the ENTIRE option.
NOADASTAR	Resets the ADASTAR option.
OFF	Removes any DB or NTDB definition for the specified databases.

Examples of NTDB Macro

`NTDB DLI,7`	This defines Database 7 as DL/I database.
`NTDB ADAV62,(10,15,57),ETP`	In the Natural parameter module NATPARM, this defines Databases 10, 15 and 57 as Adabas Version 6.2 databases which are to be handled by Entire Transaction Propagator.

Example of DB Parameter

`DB=(VSAM,(22,26,33))`	This defines Databases 22, 26 and 33 as VSAM databases.
`DB=(,*,READ)`	This sets all databases for which the default database definition applies to read-only.
`DB=(,(8,9),NOREAD)`	This removes the read-only option for Databases 8 and 9.
`DB=(,17,OFF)`	This resets the database definition of Database 17 to defaults.

