

# TF - Translation of Database ID/File Number

## Caution:

This parameter applies to user files only. It does not apply to system files.

This Natural profile parameter can be used to translate a database ID/file number to another database ID/file number during the execution of an application. It corresponds to the macro `NTTF` in the parameter module `NATPARM`.

<b>Possible settings</b>	<i>production-DBID</i>	Must be in the range of 0-254, or 256-65535, or can be an asterisk (*) which stands for all DBIDs. Database ID 255 is reserved for logical system files for Software AG products, see profile parameter <code>LFILE</code> .
	<i>production-FNR</i>	Must be in the range of 1-65535, or an asterisk (*) which stands for all FNRs.
	<i>test-DBID</i>	Must be in the range of 0-254, or 256-65535, or can be an asterisk (*) which leaves the DBID unchanged.
	<i>test-FNR</i>	Must be in the range of 1- 65535, or an asterisk (*) which leaves the FNR unchanged.
<b>Default setting</b>	none	
<b>Dynamic specification</b>	yes	This parameter can only be specified dynamically. In the Natural parameter module <code>NATPARM</code> , the macro <code>NTTF</code> must be used instead.
<b>Specification within session</b>	no	
<b>Application Programming Interface</b>	USR1034N	See <i>SYSEXT - Natural Application Programming Interfaces</i> in the <i>Utilities</i> documentation.
	USR2005N *	* Recommended.

This feature is relevant when developing an application in a production environment. It enables you to develop an application in a test database and then transfer the finished application to the production database without having to change or re-compile the application. The Natural objects are cataloged with the production DBID/FNR, but whenever a database access is executed, the production DBID/FNR is translated into the test DBID/FNR according to the TF parameter specifications; that is, the test database is used. This means that testing can take place in the actual production environment, but not with production data.

The TF parameter or the `NTTF` macro can be specified several times so as to specify different combinations of file numbers.

The following topics are covered below:

- TF Parameter Syntax

- NTTF Macro Syntax
  - Example of TF Parameter
  - Example of NTTF Macro
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## TF Parameter Syntax

The TF profile parameter is specified as follows:

```
TF=(production-DBID,production-FNR,test-DBID,test-FNR)
```

## NTTF Macro Syntax

The NTTF macro is specified as follows:

```
NTTF production-DBID,production-FNR,test-DBID,test-FNR
```

## Example of TF Parameter

```
TF=(777,39,17,88),TF=(251,*,9,*)
```

## Example of NTTF Macro

Equivalent specification in the Natural parameter module:

```
NTTF 777,39,17,88  
NTTF 251,*,9,*
```