

# LFILE - Logical System File Definition

This Natural profile parameter is for:

- Mainframes
- UNIX and Windows

It specifies information concerning the physical database file to be associated with a logical system file for Software AG products.

It can be used for Software AG products which have their own system files (for example, Connect and Natural Elite) to specify where such a system file is to be located. Such products use Database ID 255 and a logical file number (FNR) in their data definition modules (DDMs). With the LFILE parameter or the macro NTLFILE, you specify which physical database ID (DBID) and file number (and, if applicable, password and cipher key) are associated with that logical file number.

Natural records the physical file information and uses it for any database calls to Database ID=255 and File number=*logical-ID*.

<b>Possible settings</b>	<i>logical-FNR</i>	1 - 251	Logical file number (LFL). This parameter is mandatory.
	<i>physical-DBID</i>	0 - 65535, except 255	Physical database ID (DBID). Database ID 255 is reserved for logical system files for Software AG products.
	<i>physical-FNR</i>	1 - 65535	Physical file number (FNR).
	<i>password</i>		Must be a setting of 1 to 8 characters. *
	<i>cipher-key</i>		Must be a setting of 8 characters. *
	<i>options</i>		Can be RO for read-only access.
<b>Default setting</b>	None		
<b>Dynamic specification</b>	YES		This parameter can only be specified dynamically. In the Natural parameter module NATPARM, the macro NTLFILE must be used instead. It replaces the old macro NTFILE for logical system file definition which is still available, but should not be used any longer.
<b>Specification within session</b>	NO		

\* Password and cipher key are only required if the database file has been password-protected and/or ciphered using the Adabas security feature.

**Note:** LFILE can also be used to define a so-called scratch-pad file with logical file number "212"; see also the profile parameter ROSY and refer to Natural Scratch-Pad File in the Natural Operations for Mainframes documentation.

To define different logical files, the LFILE parameter or the macro NTLFILE must be specified several times.

The following topics are covered below:

- LFILE Parameter Syntax
- NTLFILE Macro Syntax
- Old NTFILE Macro Syntax
- Example of LFILE Parameter

- Example of NTLFILE Macro

## LFILE Parameter Syntax

The LFILE parameter is specified as follows:

```
LFILE=(logical-FNR,physical-DBID,physical-FNR,password,cipher-key,RO)
```

## NTLFILE Macro Syntax

In contrast to the former NTFIL macro which has keyword subparameters, the NTLFILE macro has positional subparameters (like the LFILE parameter) and is specified as follows:

```
NTLFILE logical-FNR,physical-DBID,physical-FNR,password,cipher-key,RO
```

## Old NTFIL Macro Syntax

For compatibility reasons, the old macro NTFIL is still supported. It is specified as follows:

```
NTFIL  
ID=logical-FNR,DBID=physical-DBID,FNR=physical-FNR,PASSW=password,CIPH=cipher-key,OPT=RO)
```

## Example of LFILE Parameter

```
LFILE=(180,73,10),LFILE=(251,40,9,TEST99)
```

## Example of NTLFILE Macro

Equivalent specification in the Natural parameter module:

```
NTLFILE 180,73,10NTLFILE 251,40,9,TEST99
```