LFILE - Logical System File Definition

This Natural profile parameter 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, Con-nect 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.*

Possible settings	*logical-FNR*	1 - 251	Logical file number (LFL). This parameter is mandatory.
	physical-DBID	0 - 65535, except 255	Physical database ID (DBID). Database ID `255` is reserved for logical system files for Software AG products.
	physical-FNR	1 - 65535	Physical file number (FNR).
	password		Must be a setting of 1 to 8 characters. *
	cipher-key		Must be a setting of 8 numeric digits. *
	options	RO	For read-only access.
Default setting	none		
Dynamic specification	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.	
Specification within session	no		
Application Programming Interface	USR0011N	See *SYSEXT - Natural Application Programming Interfaces* in the *Utilities* documentation.	
	USR2004N *	* Recommended.	

* 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 *Operations* 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 `NTFILE` 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 NTFILE Macro Syntax

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

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