

TPLOGQINFO(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

1	SYNOPSIS	1
2	DESCRIPTION	2
3	RETURN VALUE	3
4	ERRORS	4
5	EXAMPLE	5
6	BUGS	6
7	SEE ALSO	7
8	COPYING	8

Chapter 1

SYNOPSIS

```
#include <ndebug.h> #include <nerror.h>
```

```
long tplogqinfo(int lev, long flags);
```

Link with *-lnstd -lpthread -lrt -lm*

Chapter 2

DESCRIPTION

Function is used to query information about current thread logging configuration. By default if *lev* is passed and infos are queried for given loggers (passed in *flags*):

```
#define TPLOGQI_GET_NDRX      0x00000001
#define TPLOGQI_GET_UBF      0x00000002
#define TPLOGQI_GET_TP       0x00000004
```

and if *lev* is higher, than currently configured, function will return **0**. If *lev* equals or is lower than currently configured log level, the informations are returned. Returned infos may be forced to be returned by **TPLOGQI_EVAL_RETURN** flag. The *iflags* of the loggers can be evaluate, and currently supported operation is **TPLOGQI_EVAL_DETAILED** (in flags), if set, the test for **detailed** flag is made. If flag is present in **iflags** of logger config, then return value will contain then **TPLOGQI_RET_HAVDETAILED** bit.

Chapter 3

RETURN VALUE

On success, **tplogqinfo()** returns following infos in 32bit integer: first 0x0000ffff bits contains the actual logger facility currently in use for matched **TPLOGQI_GET** logger:

```
#define LOG_FACILITY_NDRX      0x00000001
#define LOG_FACILITY_UBF      0x00000002
#define LOG_FACILITY_TP       0x00000004
#define LOG_FACILITY_TP_THREAD 0x00000008
#define LOG_FACILITY_TP_REQUEST 0x00000010
#define LOG_FACILITY_NDRX_THREAD 0x00000020
#define LOG_FACILITY_UBF_THREAD 0x00000040
#define LOG_FACILITY_NDRX_REQUEST 0x00000080
#define LOG_FACILITY_UBF_REQUEST 0x00000100
```

If **detailed** flag is evaluated positive, then following bit is returned too in return value:

```
#define TPLOGQI_RET_HAVDETAILED 0x00010000
```

The current debug level for given logger is returned in oldest 8 bits of the return value, i.e. extracted in mask 0xff000000.

On error, -1 is returned, with **Errror** set to indicate the error.

Chapter 4

ERRORS

Note that **Nstrerror()** returns generic error message plus custom message with debug info from last function call.

NEINVAL Invalid flags passed to function. None of **TPLOGQI_GET_NDRX**, **TPLOGQI_GET_UBF** or **TPLOGQI_GET_TP** are present.

Chapter 5

EXAMPLE

See `ubftest/test_nstd_debug.c` for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

tplogdump(3) **tplogdumpdiff(3)** **tplog(3)** **tplogsetreqfile_direct(3)** **tplogsetreqfile(3)** **ex_devguide(guides)** **ndrxdebug.conf(5)**
tplogconfig(3)

Chapter 8

COPYING

© Mavimax, Ltd