

**TPLOG(3)**

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
| NUMBER           | DATE | DESCRIPTION | NAME |
|                  |      |             |      |

# Contents

|          |                     |          |
|----------|---------------------|----------|
| <b>1</b> | <b>SYNOPSIS</b>     | <b>1</b> |
| <b>2</b> | <b>DESCRIPTION</b>  | <b>2</b> |
| <b>3</b> | <b>RETURN VALUE</b> | <b>3</b> |
| <b>4</b> | <b>ERRORS</b>       | <b>4</b> |
| <b>5</b> | <b>EXAMPLE</b>      | <b>5</b> |
| <b>6</b> | <b>BUGS</b>         | <b>6</b> |
| <b>7</b> | <b>SEE ALSO</b>     | <b>7</b> |
| <b>8</b> | <b>COPYING</b>      | <b>8</b> |

## Chapter 1

# SYNOPSIS

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

```
void tplog(int lev, char *message);
```

or

```
#define TP_LOG(lev, fmt, ...)
```

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

## Chapter 2

# DESCRIPTION

Function writes the message to current log file. *lev* is logging level. For function version log message goes as *message* parameter. For C/C++ coding it is recommended to use macro version **TP\_LOG**, as it have a format string and it uses more efficient way to check the logging levels. Macro version have less functions calls during the whole process.

Log levels are following (from `ndebug.h`):

- `log_always` 1
  - `log_error` 2
  - `log_warn` 3
  - `log_info` 4
  - `log_debug` 5
-

## Chapter 3

# RETURN VALUE

N/A

## Chapter 4

# ERRORS

N/A

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## Chapter 5

# EXAMPLE

Code logtest.c

```
#include <ndebug.h>

int main (int argc, char **argv)
{
    tplog(5, "Hello from function logger");

    TP_LOG(log_debug, "Hello from macro logger [logging level %d]", log_debug);

    return 0;
}
```

Sample run:

```
$ cc logtest.c -lnstd -lpthread -lrt -lm -I /include
$ ./a.out
t:USER:5:11064:000:20160928:100225252:/tplog.c:0412:Hello from function logger
t:USER:5:11064:000:20160928:100225252:ogtest.c:0007:Hello from macro logger [logging level 5] ←
```



## Chapter 6

# BUGS

Report bugs to [support@mavimax.com](mailto:support@mavimax.com)

## Chapter 7

## SEE ALSO

**tplogdump(3) tplogdumpdiff(3) tplogprintubf(3) tplogconfig(3) tplogsetreqfile\_direct(3) tplogsetreqfile(3) ex\_devguide(guides)**

## Chapter 8

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