

**TPLOGDUMP(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 tplogdump(int lev, char *comment, void *ptr, int len);
```

or

```
#define TP_DUMP(lev,comment,ptr,len)
```

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

---

## Chapter 2

# DESCRIPTION

Function writes a hex dump of *ptr* byte array of length *len* to current logger (process based, thread based or request based). The **tplogdump()** basically is wrapper for **TP\_LOGDUMP**. For C/C++ programs it is recommended to use macro version. *lev* is debug level from which start the logging. Comment is title line of the dump.

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

---

## Chapter 5

# EXAMPLE

### Code dumptest.c

```
#include <ndebug.h>

int main (int argc, char **argv)
{
    char arr1[32];
    int i;

    for (i=0; i<sizeof(arr1); i++)
    {
        arr1[i]=(char) (65+i);
    }

    tplogdump(5, "The dump", arr1, sizeof(arr1));

    TP_DUMP(log_debug, "The dump from TP_DUMP", arr1, sizeof(arr1));

    return 0;
}
```

### Sample run:

```
$ cc dumptest.c -lnstd -lpthread -lrt -lm -I /include
$ ./a.out
t:USER:5:10598:000:20160928:095228766:/tplog.c:0424:The dump
0000 41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50 ABCDEFGHIJKLMNOP
0010 51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60 QRSTUVWXYZ[\]^_`
t:USER:5:10598:000:20160928:095228766:mptest.c:0015:The dump from TP_DUMP
0000 41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50 ABCDEFGHIJKLMNOP
0010 51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60 QRSTUVWXYZ[\]^_`
```



## Chapter 6

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 7

## SEE ALSO

`tplogdumpdiff(3)` `tplog(3)` `tplogprintubf(3)` `tplogconfig(3)` `tplogsetreqfile_direct(3)` `tplogsetreqfile(3)` `ex_devguide(guides)`

## Chapter 8

# COPYING

© ATR Baltic, SIA