TPLOGDUMPDIFF(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <ndebug.h>

void tplogdumpdiff(int *lev*, char **comment*, void **ptr1*, void **ptr2*, int *len*);

or

#define TP_DUMP_DIFF(*lev*,*comment*,*ptr*,*ptr2*,*len*)

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

Chapter 2

DESCRIPTION

Function compares two memory areas by given pointers *ptr* and *ptr2*. The hex dump is generate and output is written to current logger (either process based, thread based or request based). The **tplogdumpdiff()** basically is wrapper for **TP_LOGDUMP_DIFF**. For C/C++ programs it is recommended to use macro version. *lev* is debug level from 1 (log_always) .. 5 (log_debug). Comment is title line of the dump. *ptr* and *ptr2* are pointer to memory blocks to compare. *len* is number of bytes in each array to compare.

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 dumpdifftest.c

```
#include <ndebug.h>

int main (int argc, char **argv)
{
        char arr1[32];
        char arr2[32];
        int i;

        for (i=0; i<sizeof(arr1); i++)
        {
                arr1[i]=(char)(65+i);
                arr2[i]=(char)(66+i);
        }

        tplogdumpdiff(log_debug, "Compare two arrays", arr1, arr2, sizeof(arr1));

        TP_DUMP_DIFF(5, "Compare two arrays (TP_DUMP version)", arr1, arr2, sizeof(arr1));

        return 0;
}
```

Sample run:

```
$ cc  dumpdifftest.c -lnstd -lpthread -lrt -lm -I /include
$ ./a.out
t:USER:5:10865:000:20160928:095506583:/tplog.c:0437:Compare two arrays
<  0000  41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50  ABCDEFGHIJKLMNOP
>  0000  42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50 51  BCDEFGHIJKLMNOPQ
<  0010  51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60  QRSTUVWXYZ[\]^_`
>  0010  52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60 61  RSTUVWXYZ[\]^_`a
t:USER:5:10865:000:20160928:095506583:mpdiff.c:0017:Compare two arrays (TP_DUMP version)
<  0000  41 42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50  ABCDEFGHIJKLMNOP
>  0000  42 43 44 45 46 47 48 49 4a 4b 4c 4d 4e 4f 50 51  BCDEFGHIJKLMNOPQ
<  0010  51 52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60  QRSTUVWXYZ[\]^_`
>  0010  52 53 54 55 56 57 58 59 5a 5b 5c 5d 5e 5f 60 61  RSTUVWXYZ[\]^_`a
```

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

tplogdump(3) tplog(3) tplogprintubf(3) tplogconfig(3) tplogsetreqfile_direct(3) tplogsetreqfile(3) ex_devguide(guides)

Chapter 8

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