

**TPFREECTXT(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 <atmi.h>
```

```
void tpfreetxt(TPCONTEXT_T context);
```

Link with *-latmisrv|-latmisrvnomain|-latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

## Chapter 2

# DESCRIPTION

Function frees up the context data which was returned by **tpgetctxt(3)** function call. Function does not do the **tpterm(3)**. Thus to remove context data fully, firstly thread running with context must call **tpterm(3)**, then **tpgetctxt(3)** and then call **tpfreectxt()**.

This function uses underlying thread local storage infrastructure which is provided separately for each of the major Enduro/X libraries - libnstd (Standard library), libubf (UBF buffer library) and libatmi (ATMI library). If operations at library levels are required, then following functions can be used:

1. `ndrx_nstd_tls_new()`, `ndrx_ubf_tls_new()`, `ndrx_atmi_tls_new()` - allocate TLS data for library.
2. `ndrx_nstd_tls_get()`, `ndrx_ubf_tls_get()`, `ndrx_atmi_tls_get()` - get the TLS data for library (currently associated with thread).
3. `ndrx_nstd_tls_set()`, `ndrx_ubf_tls_set()`, `ndrx_atmi_tls_set()` - set the thread local data from saved pointer.
4. `ndrx_nstd_tls_free()`, `ndrx_ubf_tls_free()`, `ndrx_atmi_tls_free()` - free the thread local data.

Function call run in NULL context. If current TLS context equals to *context* then current thread is set to NULL context.

## Chapter 3

# RETURN VALUE

N/A

# Chapter 4

# ERRORS

N/A

## Chapter 5

# EXAMPLE

See `atmitest/test016_contextsw/atmict16.c` for sample code.



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**tpgetctx(3) tpsetctx(3) tpsrvsetctxdata(3) tpsrvgetctxdata(3) tpcontinue(3) tpinit(3)**

## Chapter 8

# COPYING

© Mavimax, Ltd