TPFREECTXT(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

void tpfreectxt(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 underlaying thread local storage infrastructure which is provided separately for each of the major Enduro/X libraries - libnstd (Standard library), libufb (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/atmiclt16.c** for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

tpgetctxt(3) tpsetctxt(3) tpsrvsetctxdata(3) tpsrvgetctxdata(3) tpcontinue(3) tpinit(3)

Chapter 8

COPYING