TPOPEN(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

int tpopen (void);

For XATMI client link with *-latmiclt -latmi -lubf -lnstd -lpthread -lrt -lm*

For XATMI server link with *-latmisrv\|-latmisrvnomain\|-latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

Chapter 2

DESCRIPTION

Connect to the XA resource manager. Note that environment for process must be configured, so that Enduro/X can load correct resource manager drivers. See the **ex_env(5)** man page for environment variables, that must be set. Basically Enduro/X will dynamically load library set in **NDRX_XA_DRIVERLIB** env variable. This is the driver which provides in unified way of getting **xa_switch**. As the xa_switches can be located in different Resource Managers, the second library migth be need to load and that is marked in **NDRX_XA_RMLIB** env variable. The resource manager ID is set in **NDRX_XA_RES_ID** env variable. If your application needs different resource managers or different transaction branches, then you can use environment variable override functionality, see **ex_envover(5)** and **ndrxconfig.xml(5)**. XA connection strings for Enduro/X drivers are stored into **NDRX_XA_OPEN_STR** and **NDRX_XA_CLOSE_STR** variables. Enduro/X will try to init XA sub-system as soon as possible (i.e. load drivers, etc.). If you want to delay this till actual **tpopen**(), then you may set **NDRX_XA_LAZY_INIT** to 1.

This function at lowest level, basically calls XA switches **xa_open_entry**() function with **NDRX_XA_OPEN_STR** string.

If **tpopen()** was already call and XA is initialised, then function will succeed, and no error will be generated.

Chapter 3

RETURN VALUE

On success, **tpopen()** return zero; on error, -1 is returned, with **tperrno** set to indicate the error.

Chapter 4

ERRORS

Note that **tpstrerror()** returns generic error message plus custom message with debug info from last function call.

TPERMERR Resource Manager failed. The **tpstrerror()** will provide more info from last call.

TPESYSTEM System failure occurred during serving. See logs i.e. user log, or debugs for more info. This could also be a problem with dynamical driver loading.

TPEOS System failure occurred during serving. See logs i.e. user log, or debugs for more info.

Chapter 5

EXAMPLE

See **atmitest/test021_xafull/atmiclt21.c** for sample code.

Chapter 6

BUGS

Report bugs to madars.vitolins@gmail.com

Chapter 7

SEE ALSO

tpcommit(3) tpopen(3) tpclose(3) tpsuspend(3) tpresume(3)

Chapter 8

COPYING