TX_OPEN(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <tx.h>

int tx_open(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 might 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 to delay initial XA drivers loading till actual **tx_open(3)** call, then environment variable **NDRX_XA_LAZY_INIT** should be set to 1.

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

If **tx_open(3)** was already called and XA is initialized, then function will succeed, and no error will be generated.

TX API is base on TP API. This function is based on **tpclose(3)** and it is possible to mix these two API kinds.

Chapter 3

RETURN VALUE

On success, **tx_close()** return **TX_OK**; on error, error code is returned

Chapter 4

ERRORS

TX_FAIL Failed to open XA resource (cannot load Enduro/X XA driver, cannot load resource manager driver or resource manager returned

Chapter 5

EXAMPLE

See **atmitest/test021_xafull/atmiclt21tx.c** for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

tx_close(3) tpopen(3) tx_open(3) tx_commit(3) tx_rollback(3) tx_info(3)

Chapter 8

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