TX_BEGIN(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <tx.h>

int tx_begin(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

Function starts global transaction for given thread. The resource managers prior must be open by tx_open(3). The transaction shall be terminated with tx_commit(3) or tx_rollback(3).

When transaction is started, it uses settings applied by following functions:

• tx_set_transaction_timeout(3) - transaction timeout, applied is on per thread bases, default is **0** - maximum timeout.

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

Chapter 3

RETURN VALUE

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

Chapter 4

ERRORS

TX_PROTOCOL_ERROR Function is called in improper context, either there was no call to *tx_open()* or thread is already is global transaction.

TX_ERROR Error occurred at transaction manager. The exact cause shall be checked in transaction manager log files. At this error, control thread is no more in global transaction.

TX_FAIL System error occurred during starting the transaction. The exact cause shall be checked in current process and/or transaction manager log files. At this error, control thread is no more in global transaction.

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_open(3) tpbegin(3) tx_commit(3) tx_rollback(3) tx_info(3) tx_close(3) tx_set_transaction_timeout(3)

Chapter 8

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