TPCOMMIT(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

int tpcommit (long *flags*);

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 does commit the global transaction. Transaction must not be marked as abort only (e.g. in case if **tpcall()** failed). After issuing the command, **tmsrv(8)** will do the commit procedure, prepare phase first, log the results of prepare to persistent storage, and then do the actual commit. The commit control value value is set either by **tpscmt(3)** or **tx_set_commit_return(3)** additionally it can be overriden by the **TPTXCOMMITDLOG** flag.

By default tpcommit performs full commit.

Valid flags

TPTXCOMMITDLOG If set, tpcommit will return when decision for commit is logged (i.e. first phase of 2 phase commit is done - resource managers are in prepared state). Thus transaction will be completed by **tmsrv** background thread, which runs periodically by **-s** (command line argument) seconds.

Chapter 3

RETURN VALUE

On success, **tpcommit()** 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.

TPEINVAL flags was not 0 or was not **TPTXCOMMITDLOG**.

TPETIME Transaction manager (**tmsrv(8)**) did not respond in configured time-out time. The state of transaction is unknown.

TPEABORT Global transaction was marked for abort and was aborted, or prepare state failed for some of the resource managers and transaction was aborted.

TPEHAZARD The state of transaction is not fully know. It can be that it is partially committed and partially aborted.

TPEHEURISTIC The state of transaction is not full known. The transaction heuristically completed.

TPESVCERR Failed to call transaction manager, with service error. The state of transaction is unknown.

TPEPROTO XA subsystem was not initialized (did not call **tpopen()**), no global transaction started or caller is not initiator of transaction.

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

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 support@mavimax.com

Chapter 7

SEE ALSO

tpbegin(3) tpabort(3) tpopen(3) tpscmt(3)

Chapter 8

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