TX_INFO(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <tx.h>

int tx_info(TXINFO *info);

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 returns current transaction status information. This includes current control settings, timeout active XID. Information is returned in following structure

```
struct tx_info_t {
    XID xid;
    COMMIT_RETURN when_return;
    TRANSACTION_CONTROL transaction_control;
    TRANSACTION_TIMEOUT transaction_timeout;
    TRANSACTION_STATE transaction_state;
};
typedef struct tx_info_t TXINFO;
```

Field *xid* is returned only in case if there is active transaction. If there is no transaction, then empty **xid** is returned (xid.formatID set to -1).

transaction_state may contain following values:

- **TX_ACTIVE** transaction is active.

- **TX_TIMEOUT_ROLLBACK_ONLY** transaction for current control thread is active, but transaction manager is not aware of transaction, thus it is assumed that there was timeout and transaction was rolled back.

- **TX_ROLLBACK_ONLY** transaction in current control thread is marked as rollback only.

Field *when_return* returns either **TX_COMMIT_COMPLETED** or **TX_COMMIT_DECISION_LOGGED**, set by **tx_set_commit_r**

Field *transaction_control* returns either **TX_UNCHAINED** or **TX_CHAINED** set by **tx_set_transaction_control(3)**.

Field *transaction_timeout* returns current timeout setting in seconds applied by **tx_set_transaction_timeout(3)**.

Chapter 3

RETURN VALUE

On success, and if there is transaction started, then **tx_info**() return **1**, if there is no local transaction, **0** is returned. Nn error, error code is returned.

Chapter 4

ERRORS

TX_PROTOCOL_ERROR The function was called in an improper context (for example, the caller has not yet called tx_open(3)).

TX_FAIL Transaction manager (**tmsrv(8)**) failed to return transaction information. For exact information, see either process and/or transaction manager logs

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_begin(3) tpcommit(3) tx_rollback(3) tx_info(3) tx_close(3) tx_set_transaction_timeout(3) tx_set_transaction_control(3) tx_set_commit_return(3)

Chapter 8

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