

# TPCOMMIT(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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## 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*

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## 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.

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## 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.

**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.

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## Chapter 5

# EXAMPLE

See `atmitest/test021_xafull/atmict21.c` for sample code.



## Chapter 6

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 7

## SEE ALSO

**tpbegin(3) tpabort(3) tpopen(3)**

## Chapter 8

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