TPSEND(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

int tpsend(int *cd*, char *data, long *len*, long *flags*, long *revent);

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

Send a message to open conversation, described by *cd*, which is opened by **tpconnect**(). The outgoing buffer *data* must be allocated with **tpalloc**(), if buffer is not self describing .e.g **CARRAY**, then *len* parameter must be correctly set. The *data* can be also set to NULL in that case *len* is not used.

Enduro/X does not terminate global transaction in case of send failure.

Valid flags

TPRECVONLY Signal the caller that we want to enter in listening mode. The other end will receive **TPEV_SENDONLY** event.

TPNOBLOCK Do not block the call if conversational queue is full.

TPSIGRSTRT Restart the system call in progress if interrupted by signal handler. This affects only underlaying mq_* function calls.

TPNOBLOCK Do not block on empty queue, if not messages present, the function returns immediately.

Chapter 3

RETURN VALUE

On success, **tpcall**() return zero; on error, -1 is returned, with **tperrno** set to indicate the error.

revent **return values TPEV_DISCONIMM** Conversation have been terminated by **tpdiscon**()

TPEV_SVCERR Server died and queue was removed or server did **tpreturn**() with **TPSUCCESS**.

TPEV_SVCFAIL Server returned **TPFAIL** with **tpreturn**()

Chapter 4

ERRORS

Note that **tpstrerror()** returns generic error message plus custom message with debug info from last function call.

TPEINVAL Invalid call descriptor *cd* passed in or *data* pointer is not pointing to buffer allocated by **tpalloc()**.

TPETIME Was unable to send message in given time(*NDRX_TOUT* env param.).

TPEEVENT Event received and it is installed into *revent* field.

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/test003_basicconvers/atmisv3.c** for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

tpconnect(3) tprecv(3) tpdiscon(3) tpreturn(3)

Chapter 8

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