TPRECV(3)

		REVISION HISTORY		

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

int tprecv(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

Receive message from open conversation, which is opened by **tpconnect()**. The incoming buffer *data* must be allocated with **tpalloc()**. If conversation receives disconnect (**TPEV_DISCONIMM**), service error (**TPEV_SVCERR**) or service failure (**TPEV_SVCFAIL**), then global transaction if one in progress is aborted.

Valid flags

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

TPNOTIME Ignore timeout setting (**NDRX_TOUT** env variable). Wait for reply for infinitely.

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. In case of event received, the error code is set to **TPEEVENT**.

***revent* return values**

TPEV_DISCONIMM Disconnect received from other conversation end, by issuing **tpdiscon**(). The global transaction in progress is aborted in this case.

TPEV_SENDONLY The sender program issued **tpsend**() with flag **TPEV_SENDONLY**, meaning that we become senders.

TPEV_SVCERR Server died and queue was removed.

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

TPEV_SVCSUCC Server did **tpreturn**() with **TPSUCCESS**, connection is closed automatically after this event.

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.

TPETIME Service did not reply in given time (*NDRX_TOUT*).

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

TPEPROTO System level service failure. Server died during the message presence in service queue.

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) tpsend(3) tpdiscon(3)

Chapter 8

COPYING