

TPGETRPLY(3)

REVISION HISTORY

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Chapter 1

SYNOPSIS

```
#include <atmi.h>
```

```
int tpgetrply(int *cd, char **data, long *len, long flags);
```

For XATMI client link with *-latmictl -latmi -lubf -lnstd -lpthread -lrt -lm*

For XATMI server link with *-latmisrv|-latmisrvnomain|-latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

Chapter 2

DESCRIPTION

Get the response from asynchronous service call. The *cd* is pointer to call descriptor to which value might be set, in that case only matched reply is returned, other messages are dropped. *data* and *len* are field used for storing the reply messages. Fields must be allocated by **tpalloc()**. In case if **TPGETANY** flag is used, then any first response which is received is returned to user application.

Valid flags

TPGETANY Return first response message received. The connection identifier is stored into *cd*.

TPNOBLOCK Do not block for waiting on response message. Instead function returns with *cd* equals to 0. And function return result is SUCCEED (0).

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 indefinitely.

TPNOCHANGE Do not allow to change the reply buffer type. If flag is set and different buffer type is received than original, then error **TPEINVAL** is returned.

TPNOABORT Do not abort global transaction (if one in progress), even if service failed.

Chapter 3

RETURN VALUE

On success, **tpgetrply()** returns 0; on error, -1 is returned, with **tperrno** set to indicate the error.

Chapter 4

ERRORS

Note that **tpsterror()** for last calls returns generic error message plus custom message with debug info from last call.

TPEBLOCK TPENOBLOCK was specified in flags and no message is in queue.

TPEINVAL Invalid parameter is given to function. Particularly pointer parameters are NULL.

TPEBADDESC *cd* parameter points to not issued or canceled call descriptor and **TPGETANY** flag was not specified.

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

TPESVCFAIL Service returned *TPFAIL*. This is application level failure.

TPESVCERR 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/test018_tpacallout/atmict18.c` for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

`tpcall(3)` `tpacall(3)`

Chapter 8

COPYING

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