

# TPREALLOC(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SYNOPSIS

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

```
char *tprealloc(char *ptr, long size);
```

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

For XATMI server link with *-latmisrvl -latmisrvnomainl -latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

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## Chapter 2

# DESCRIPTION

Reallocate (change the buffer size) of previously allocated resources by **tpalloc()**. The XATMI buffer is passed in with *ptr* parameters and new size is provided in *size* parameter. It is allowed to resize auto-allocated buffers (i.e. buffer that is passed into **TPSVCINFO.data** field.)

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## Chapter 3

# RETURN VALUE

In case of success, function returns possibly new pointer of re-allocated memory. The pointer could be the same, for example if size is not changed of the buffer. In case of failure, function returns NULL and **tperrno** returns the error code.

## Chapter 4

# ERRORS

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

**TPEINVAL** Invalid *ptr* pointer passed in. Either buffer not allocated by **tpalloc()** or *ptr* is NULL.

**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/test001_basiccall/atmiclt1.c` for sample code.

## Chapter 6

# BUGS

Report bugs to [support@mavimax.com](mailto:support@mavimax.com)

## Chapter 7

## SEE ALSO

**tpalloc(3) tpfree(3)**

## Chapter 8

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