

**TPISAUTOBUF(3)**

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
| NUMBER           | DATE | DESCRIPTION | NAME |
|                  |      |             |      |

# Contents

|          |                     |          |
|----------|---------------------|----------|
| <b>1</b> | <b>SYNOPSIS</b>     | <b>1</b> |
| <b>2</b> | <b>DESCRIPTION</b>  | <b>2</b> |
| <b>3</b> | <b>RETURN VALUE</b> | <b>3</b> |
| <b>4</b> | <b>ERRORS</b>       | <b>4</b> |
| <b>5</b> | <b>BUGS</b>         | <b>5</b> |
| <b>6</b> | <b>SEE ALSO</b>     | <b>6</b> |
| <b>7</b> | <b>COPYING</b>      | <b>7</b> |

## Chapter 1

# SYNOPSIS

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

```
int tpisautobuf (char *buf);
```

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*

## Chapter 2

# DESCRIPTION

Test the buffer for marking of *automatically allocated* by Enduro/X. Such buffers are made at point when they are passed to XATMI service routine by Enduro/X XATMI sub-system. In case if buffer is automatically allocated, return value will be **1**, in case if allocated by user's **tpalloc(3)** function will return **0**. In case of failure **-1** is returned. Function can be called by XATMI client, normally client processes allocates buffers are manually, but there could be one exception when multi-threaded XATMI server's main thread passed service call *object* to it's companion XATMI client thread by using **tpsrvgetctxdata(3)** and **tpsrvsetctxdata(3)**. In that case client process can get auto-buffer.

## Chapter 3

# RETURN VALUE

If buffer is auto-allocated, **tpisautobuf()** return 1; If manually by **tpalloc(3)** 0 is returned; in case of 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** Invalid parameter is given to function. Either *buf* is NULL or *buf* not allocated by **tpalloc()**

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## Chapter 5

# BUGS

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



## Chapter 6

## SEE ALSO

**tpalloc(3) tpfree(3) tpsrvgetctxdata(3) tpsrvsetctxdata(3)**

# **Chapter 7**

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