

# TPISAUTOBUF(3)

<b>REVISION HISTORY</b>
-------------------------

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 *-latmisrv|-latmisrvnomain|-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 **tpsterror()** 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()**

---

## Chapter 5

# BUGS

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

## Chapter 6

## SEE ALSO

[tpalloc\(3\)](#) [tpfree\(3\)](#) [tpsrvgetctxdata\(3\)](#) [tpsrvsetctxdata\(3\)](#)

---

## **Chapter 7**

# **COPYING**

© Mavimax, Ltd

---