

# TPSERVICE(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>
```

```
void tpservice(TPSVCINFO *svcinfo);
```

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

This is service function signature/template. **tpservice** is service function that must be passed to **tpadvertise()** in order to provide callable service to XATMI system. Services can be called by **tpcall()**, **tpacall()** or **tpforward()**. If server is conversational, then **tpconnect()** is used to establish the connection with service. When service is invoked, then parameter *svcinfo* is initialised with following field:

```
typedef struct
{
    char    name[XATMI_SERVICE_NAME_LENGTH];
    char    *data;
    long    len;
    long    flags;
    int     cd;
    long    appkey;
    CLIENTID cltid;
    char    fname[XATMI_SERVICE_NAME_LENGTH+1];
} TPSVCINFO;
```

*name* is service name which is invoked. *data* is pointer XATMI buffer which is allocated by Enduro/X in current process scope. Note that is service was invoked with NULL buffer, then in this case *data* will be NULL too. *len* is XATMI buffer length. *flags* these are flags which were passed to origin **tpcall()**. *appkey* is reserved for future use. *cltid* is reserved for future use. *fname* is service function name which was invoked.

## Chapter 3

# RETURN VALUE

The function does not return any value. But according to XATMI specification, the server function must terminate processing with **tpreturn()** or **tpforward()**, which effectively finish the service function processing and gives control back to client or next XATMI server. In case of success the server can pass **TPSUCCESS** or **TPFAIL** if doing **tpreturn()**. **TPFAIL** will automatically abort global transaction, if one in progress.

## Chapter 4

# ERRORS

Not available.

## Chapter 5

# BUGS

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

## Chapter 6

## SEE ALSO

**tpacall(3) tpgetrply(3)**

## **Chapter 7**

# **COPYING**

© Mavimax, Ltd