

# 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 *svcinfn* 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 if 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 [support@mavimax.com](mailto:support@mavimax.com)

## Chapter 6

## SEE ALSO

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

## **Chapter 7**

# **COPYING**

© Mavimax, Ltd