TPSERVICE(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

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 *-latmisrv\|-latmisrvnomain\|-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

Chapter 6

SEE ALSO

tpacall(3) tpgetrply(3)

Chapter 7

COPYING