# _TMSTARTSERVER(3)

**REVISION HISTORY**

| NUMBER | DATE | DESCRIPTION | NAME |
|---|---|---|---|
| | | | |

# Contents

# Chapter 1

# SYNOPSIS

#include <atmi.h>

int _tmstartserver( int *argc*, char ***argv*, struct tmsvrargs_t **tmsvrargs*);

Link with *-latmisrvnomain -latmi -lubf -lnstd -lpthread -lrt -lm*

# Chapter 2

# DESCRIPTION

Function is used to start Enduro/X XATMI server process. The startup routine takes standard command line arguments and additions structure *tmsvrargs* filled with **tpsvrinit(3)** and **tpsvrdone(3)** callbacks, it also contains the XA Switch object and array filled with services to be advertised after the user's **tpsvrinit(3)** is done. Any services which user have advertised by **tpadvertise(3)** and which have also exported to *tmsvrargs.svctab*, will be ignored (i.e. **TPEMATCH** error will be ignored). The *tmsvrargs.svctab* table must be terminated with row for which *svcnm* is set to NULL.

The **struct tmsvrargs_t** structure is following:

```
struct tmsvrargs_t
{
  struct xa_switch_t * sw;          /**< XA Switch                          */
  struct tmdsptchtbl_t *svctab;     /**< Service dispatch table             */
  long rfu1;                        /**< Reserved for future use            */
  int (*p_tpsvrinit)(int, char **); /**< Server init function               */
  void (*p_tpsvrdone)(void);        /**< callback to server done            */
  void * rfu2;                      /**< Reserved for future use            */
  void * rfu3;                      /**< Reserved for future use            */
  void * rfu4;                      /**< Reserved for future use            */
  void * rfu5;                      /**< Reserved for future use            */
  void * rfu6;                      /**< Reserved for future use            */
};
```

The **struct tmsvrargs_t** structure is following:

```
struct tmdsptchtbl_t
{
    char *svcnm;                    /**< Service name                       */
    char *funcnm;                   /**< Function name                      */
    void (*p_func)(TPSVCINFO *);    /**< Function to run on service invocation*/
    long rfu1;                      /**< Reserved 1                         */
    long rfu2;                      /**< Reserved 2                         */
};
```

RFU bits should be initialized to 0 or NULL.

# Chapter 3

# RETURN VALUE

On success, **_tmstartserver()** returns 0; on error, -1 is returned, with **tperrno** set to indicate the error.

# Chapter 4

# ERRORS

For error records see NDRX and/or ULOG records.

# Chapter 5

# BUGS

Report bugs to support@mavimax.com

# Chapter 6

# EXAMPLE

See **atmitest/test004_basicevent/atmisv4_1ST.c** for sample code.

# Chapter 7

# SEE ALSO

**ndrx_main(3) ndrx_main_integra(3)**

# Chapter 8

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