

**TPADVERTISE(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>EXAMPLE</b>	<b>5</b>
<b>6</b>	<b>BUGS</b>	<b>6</b>
<b>7</b>	<b>SEE ALSO</b>	<b>7</b>
<b>8</b>	<b>COPYING</b>	<b>8</b>

## Chapter 1

# SYNOPSIS

```
#include <atmi.h>
```

```
#define tpadvertise(_SVCNM, _FNADDR) tpadvertise_full(_SVCNM, _FNADDR, #_FNADDR)
```

```
int tpadvertise_full (char *svcnm, void (*)(TPSVCINFO *) func, char *funcname);
```

Link with *-latmisrv|-latmisrvnomain|-latmisrvinteg -latmi -lubf -lnstd -lpthread -lrt -lm*

## Chapter 2

# DESCRIPTION

Advertise service is done by function *tpadvertise\_full*. *svcnm* is service name, services cannot start with reserved symbol @, which are intended for Enduro/X system use. Service name cannot contain symbols , and /. Max service name length is defined by **MAXTIDENT** constant. If length is longer, it will be truncated. *func* is a pointer to service function. *funcname* is name of the function that will be shown in **xadmin psc** listings. For compatibility with other systems C macro *tpadvertise* is provided which consumes *\_SVCNM* as service name, and *\_FNADDR* as pointer to function. The function name is automatically generated by precompiler.

Function can be called during the server initialization phase (i.e. **tpsvrinit()** function) and during the runtime (i.e. for service function).

This function is available only for XATMI servers.

## Chapter 3

# RETURN VALUE

On success, **tpadvertise\_full()** return zero; on error, -1 is returned, with **tperrno** set to indicate the error.

## Chapter 4

# ERRORS

Note that **tpsterror()** for returns generic error message plus custom message with debug info from last call.

**TPEMATCH** Service with given name is already advertised, and pointer to function is different. If pointer matches, that it is not an error.

**TPEOS** System failure occurred during serving. See logs i.e. user log, or debugs for more info. That could insufficient memory or other error.

---

## Chapter 5

# EXAMPLE

See `atmitest/test001_basiccall/atmisv1.c` for sample code.



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

`tpunadvertise(3)`

## **Chapter 8**

# **COPYING**

© ATR Baltic, SIA