

# TPSRVSETCTXDATA(3)

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
| NUMBER           | DATE | DESCRIPTION | NAME |
|                  |      |             |      |

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## Chapter 1

# SYNOPSIS

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

```
int tpsrvsetctxdata (char *data, long flags);
```

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

## Chapter 2

# DESCRIPTION

Restore context data from previously saved (**tpsrvgetctxdata()**) context data. The *data* field is value returned by **tpsrvgetctxdata()**. This function is needed for multi threaded server, in order to restore tpcall() data in worker thread. If global transaction was running in main thread for which **tpsrvgetctxdata()** was called, then **tpsrvsetctxdata()** will resume the global transaction in current thread.

This function is available only for XATMI servers.

### Valid flags

**TPNOAUTBUF** Do not restore auto buffer when restoring the server context. This can be suitable in case if buffer is already made free by initial service thread and the target server/service does not know anything about given pointer. E.g. the context is copied to different process.

## Chapter 3

# RETURN VALUE

On success, **tpsrvsetctxdata()** return pointer to context data block; on error, NULL is returned, with **tperrno** set to indicate the error.

## Chapter 4

# ERRORS

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

**TPEINVAL** *data* is NULL.

**TPEPROTO** Global transaction is already started.

**TPESYSTEM** System failure occurred during serving. See logs i.e. user log, or debugs for more info. Could be the case if XA sub-system is not open by **tpopen()**.

**TPEOS** System failure occurred during serving. See logs i.e. user log, or debugs for more info.

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## Chapter 5

# EXAMPLE

See `atmitest/test017_srvthread/atmisv17.c` for sample code.



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**`tpsrvgetctxdata(3)` `tpcontinue(3)` `tpinit(3)`**

## Chapter 8

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