

**TPJSONTOUBF(3)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

# Contents

<a href="#">1</a>	<a href="#">SYNOPSIS</a>	<a href="#">1</a>
<a href="#">2</a>	<a href="#">DESCRIPTION</a>	<a href="#">2</a>
<a href="#">3</a>	<a href="#">RETURN VALUE</a>	<a href="#">3</a>
<a href="#">4</a>	<a href="#">ERRORS</a>	<a href="#">4</a>
<a href="#">5</a>	<a href="#">EXAMPLE</a>	<a href="#">5</a>
<a href="#">6</a>	<a href="#">BUGS</a>	<a href="#">6</a>
<a href="#">7</a>	<a href="#">SEE ALSO</a>	<a href="#">7</a>
<a href="#">8</a>	<a href="#">COPYING</a>	<a href="#">8</a>

## Chapter 1

# SYNOPSIS

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

```
int tpubftojson(UBFH *p_ub, char *buffer, int bufsize);
```

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

Function converts UBF buffer in *p\_ub* to JSON object string to *buffer* string. The field *bufsize* must indicate the space in **buffer**. If the size is not enough, function will fail.

For example, following buffer in *p\_ub*:

```
T_SHORT_FLD      1765
T_LONG_FLD       3333111
T_LONG_FLD       2
T_CHAR_FLD       A
T_FLOAT_FLD      1.33000
T_DOUBLE_FLD     1111.220000
T_DOUBLE_FLD     333.000000
T_DOUBLE_FLD     444.000000
T_STRING_FLD     HELLO WORLD
T_CARRAY_FLD     \00\01\02\03HELLO BINARY\04\05\00
```

will be converted in following JSON buffer:

```
{
  "T_SHORT_FLD":1765,
  "T_LONG_FLD":[
    3333111,
    2
  ],
  "T_CHAR_FLD":"A",
  "T_FLOAT_FLD":1.330000,
  "T_DOUBLE_FLD":[
    1111.220000,
    333,
    444
  ],
  "T_STRING_FLD":"HELLO WORLD",
  "T_CARRAY_FLD":"AAECA0hFTExPIEJJTkFSWQQFAA=="
}
```

CARRAY (byte array) data will be converted as base64 string in JSON. In output JSON output formatting newlines might not be present.

## Chapter 3

# RETURN VALUE

On success, **tpcall()** return zero; on error, -1 is returned.

## Chapter 4

# ERRORS

No error codes available for this function. Additional info might be read in **ndrx/ubf** logs, see **ndrxdebug.conf(5)**

## Chapter 5

# EXAMPLE

See `atmitest/test024_json/atmict24.c` for sample code.



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

`ndrxdebug.conf(5)`, `tpjsontoubf(3)`

## **Chapter 8**

# **COPYING**

© Mavimax, Ltd