TPUBFTOJSON(3)

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

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 *-latmisrv\-latmisrvnomain\-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, **tpacall**() return call descriptor (>0); on error, -1 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.

TPESYSTEM System failure occurred during serving. See logs i.e. user log, or debugs for more info. Might be insufficient memory, JSON or UBF library failure.

TPEOS Not enough space in output *buffer*.

Chapter 5

EXAMPLE

See **atmitest/test024_json/atmiclt24.c** for sample code.

Chapter 6

BUGS

Report bugs to

Chapter 7

SEE ALSO

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

Chapter 8

COPYING