TPJSONTOUBF(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <atmi.h>

int tpjsontoubf(UBFH *_p_ub_, char *_buffer_);

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 JSON formatted text in *buffer* to UBF buffer. JSON should be formatted in single level. Where JSON field name matches UBF field name. If multiple occurrances/array of values is present in JSON, then it is converted as multiple field occurrences in UBF buffer.

For example 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=="
}
```

Will be converted to following UBF buffer:

```
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
```

Note that **BFLD_CARRAY** (binary data) fields should be present in base64 encoding in JSON buffer. It is up to user to allocate UBF buffer with enought size to fit the converted message.

Chapter 3

RETURN VALUE

On success, **tpcall()** return zero; 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.

TPEINVAL Invalid JSON or invalid base64 encoding,

TPESYSTEM UBF sub-system error, JSON sub-system error.

TPEOS System failure occurred during serving. See logs i.e. user log, or debugs for more info. In case of insufficient memory this error will be generated too.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

ndrxdebug.conf(5), **tpubftojson(3) tpjsontoview(3)** tpviewtojson(3)*

Chapter 8

COPYING