

TPJSONTOUBF(3)

REVISION HISTORY

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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 occurrences/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": "AAECA0hFTExPIEJJKFSWQQFAA=="
}
```

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 **BLFD_CARRAY** (binary data) fields should be present in base64 encoding in JSON buffer. It is up to user to allocate UBF buffer with enough 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 **tpsterror()** 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/atmict24.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

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