

TPJSONTUUBF(3)

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

Contents

| | | |
|----------|---------------------|----------|
| 1 | SYNOPSIS | 1 |
| 2 | DESCRIPTION | 2 |
| 3 | RETURN VALUE | 3 |
| 4 | ERRORS | 4 |
| 5 | EXAMPLE | 5 |
| 6 | BUGS | 6 |
| 7 | SEE ALSO | 7 |
| 8 | COPYING | 8 |

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

Chapter 7

SEE ALSO

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

Chapter 8

COPYING

© Mavimax, Ltd