BEXTREAD(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <ubf.h>

int Bextread (UBFH *p_ub, FILE *inf);

Link with *-lubf -lnstd -lm -lpthread*

Chapter 2

DESCRIPTION

Restore the buffer from text populated by **Bprint(3)** or **Bprintf(3)**.

The read format is "[COMMAND]<FIELD><TAB><VALUE><NEW_LINE>". Input also support fields by id, then format for <FIELD> is "((BFLDID32)<FIELD_ID>)"

Sample 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\\
((BFLDID32)167772261)   HELLOSVC
```

p_ub is buffer to write the data to, *inf* is input stream.

Input format supports also macro commands. This is optional **COMMAND** block, that can have following values:

+ set the field value at occurrence 0.

- delete field from buffer.

= copy the field value from field name which is stored at <VALUE>.

comment, line ignored

For example:

```
# Set the field value
T_SHORT_FLD      123
# Copy the value from T_SHORT_FLD to T_LONG_FLD
=T_LONG_FLD      T_SHORT_FLD
# Change the occurrence 0 to 444
+T_SHORT_FLD     444
```

The final buffer will be:

```
T_SHORT_FLD      444
T_LONG_FLD       123
```

This format is used by **ud(8)** command line utility which allows to send arbitrary buffer to specified service.

Chapter 3

RETURN VALUE

On success, **Bextread**() return zero; on error, -1 is returned, with **Berror** set to indicate the error.

Chapter 4

ERRORS

Note that **Bstrerror**() returns generic error message plus custom message with debug info from last function call.

BALIGNERR Corrupted buffer or pointing to not aligned memory area.

BNOTFLD Buffer not fielded, not correctly allocated or corrupted.

BEINVAL *inf* is NULL.

BSYNTAX Missing tab between field id or missing newline.

BBADNAME Field not found in field table.

Chapter 5

EXAMPLE

See **ubftest/test_print.c** for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

Bextreadcb(3) Bfprint(3) Bprint(3) Bread(3) Bwrite(3) ud(8)

Chapter 8

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