

## BEXTREAD(3)

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
| NUMBER           | DATE | DESCRIPTION | NAME |
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## 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 **Bsterror()** 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.

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## Chapter 5

# EXAMPLE

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



## Chapter 6

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 7

## SEE ALSO

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

## **Chapter 8**

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