

**BNEEDED(3)**

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NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SYNOPSIS

`#include <ubf.h>`

`long Bneeded(BFLDOCC nrfields, BFLDLEN totsize);`

Link with `-lubf -lnstd -lm -lpthread`

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## Chapter 2

# DESCRIPTION

Estimate the buffer size which is needed for storing *nrfields* number of fields for which total size in bytes would be a *totsize*. Function basically adds to result the size of UBF header and adds alignment byte sizes. Estimation is done on CARRAY field bases, because it has a largest metadata area (i.e. length property).

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## Chapter 3

# RETURN VALUE

On success, **Bneeded()** returns estimated buffer size; 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.

**BEINVAL** The total size of bigger than **MAXUBFLEN**, *nrfields* is less or equal to zero, *totsize* is less or equal to zero.

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## Chapter 5

# EXAMPLE

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

## Chapter 6

# BUGS

Report bugs to [support@mavimax.com](mailto:support@mavimax.com)

## Chapter 7

# SEE ALSO

**Balloc(3) Brealloc(3) Binit(3)**

## **Chapter 8**

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