

**BNEEDED(3)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>SYNOPSIS</b>	<b>1</b>
<b>2</b>	<b>DESCRIPTION</b>	<b>2</b>
<b>3</b>	<b>RETURN VALUE</b>	<b>3</b>
<b>4</b>	<b>ERRORS</b>	<b>4</b>
<b>5</b>	<b>EXAMPLE</b>	<b>5</b>
<b>6</b>	<b>BUGS</b>	<b>6</b>
<b>7</b>	<b>SEE ALSO</b>	<b>7</b>
<b>8</b>	<b>COPYING</b>	<b>8</b>

## Chapter 1

# SYNOPSIS

`#include <ubf.h>`

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

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

---

## 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).

---

## 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.

---

## 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

# COPYING

© Mavimax, Ltd