

BNEEDED(3)

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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 **Bstrerror()** 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

Chapter 7

SEE ALSO

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

Chapter 8

COPYING

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