

**CBGETALLOC(3)**

| REVISION HISTORY |      |             |      |
|------------------|------|-------------|------|
| NUMBER           | DATE | DESCRIPTION | NAME |
|                  |      |             |      |

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## Chapter 1

# SYNOPSIS

```
#include <ubf.h>
```

```
char * CBgetalloc (UBFH *p_ub, BFLDID bfldid, BFLDOCC occ, int usrtype, BFLDLEN *extralen);
```

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

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## Chapter 2

# DESCRIPTION

Get the field *bfl**did* at *occ* occurrence from *p\_ub* buffer. The value is converted to *usrtype*. The value is returned (copied to) to memory block allocated by function. There is extra parameter *extralen*. On input it indicates the additional space that shall be allocated. The *extralen* can be NULL, in that case no extra memory is allocated.

Function is based on **Bgetalloc(3)**, which does not convert to user type, but returns direct value.

## Chapter 3

# RETURN VALUE

On success, **CBgetalloc()** 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.

**BNOTPRES** Field not present.

**BMALLOC** Failed to allocate type conversion buffer.

**BBADFLD** Invalid field passed to *bfldid*.

**BTYPERR** Invalid user type specified.

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## Chapter 5

# EXAMPLE

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



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**Bchg(3) Badd(3) CBadd(3) Bfind(3) Bgetalloc(3)**

## Chapter 8

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