

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
```

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.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to madars.vitolins@gmail.com

Chapter 7

SEE ALSO

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

Chapter 8

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