

CBGET(3)

| REVISION HISTORY | | | |
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| NUMBER | DATE | DESCRIPTION | NAME |
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Chapter 1

SYNOPSIS

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

```
int CBget (UBFH *p_ub, BFLDID bfldid, BFLDOCC occ, char *buf, BFLDLEN *len, int usrtype);
```

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

Chapter 2

DESCRIPTION

Function is used to get field data from UBF buffer. *p_ub* is pointer to UBF buffer, *bflid* is field id, *occ* is field occurrence at buffer, which needs to be read. *buf* is buffer where to output the data. *len* is used as **input** for indicating the length of the bytes for the target buffer (*buf*). If the data is larger than *len* indicated, then error of **BNOSPACE**. Then *len* is optional. If set to NULL, then no such checks are made. *len* is used for **BFLD_STRING** and **BFLD_CARRAY**. On output *len* (if not NULL), indicates the length of data loaded in bytes. *usrtype* indicates the data type of the *buf*.

Chapter 3

RETURN VALUE

On success, **CBget()** 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.

BNOSPACE No space in *buf*.

BMALLOC Failed to allocate type conversion buffer.

BBADFLD Invalid field id passed.

BNOTPRES Field not present.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to madars.vitolins@gmail.com

Chapter 7

SEE ALSO

Bchg(3) Badd(3) CBadd(3) Bget(3) CBget(3)

Chapter 8

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