

# CBGET(3)

<b>REVISION HISTORY</b>
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## Chapter 1

# SYNOPSIS

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

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

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

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## 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*.

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## Chapter 3

# RETURN VALUE

On success, **CBget()** return zero; on error, -1 is returned, with **Berror** set to indicate the error.

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## 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.

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## Chapter 5

# EXAMPLE

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

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## Chapter 6

# BUGS

Report bugs to [support@mavimax.com](mailto:support@mavimax.com)

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## Chapter 7

## SEE ALSO

**Bchg(3) CBchg(3) Badd(3) CBadd(3) Bget(3)**

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## **Chapter 8**

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