

CBCHG(3)

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

SYNOPSIS

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

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

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

Chapter 2

DESCRIPTION

Change (add or update) field in UBF buffer by converting given user type *usrtype* to buffer field's type (see BFLD_* types). The UBF buffer pointer is passed by *p_ub*, field id in *bfldid*. *occ* is occurrence to change. The user field value is passed in *buf*. The *len* is used only if *usrtype* is **BFLD_CARRAY**, for which length cannot be detected from passed data.

If *occ* is bigger than last existing index+1 in buffer then non existing occurrences (which are not being set by this function) are initialised with defaults. For numerics it is 0, for **BFLD_CHAR** it is 0x00, for **BFLD_STRING** it is empty string, for **BFLD_CARRAY** it is empty byte array (with length 0).

Chapter 3

RETURN VALUE

On success, **CBchg()** 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 buffer for string data.

BMALLOC Failed to allocate type conversion buffer.

BBADFLD Invalid field id passed.

Chapter 5

EXAMPLE

See `ubftest/test_cbchg.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

COPYING

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