

BCHGS(3)

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

SYNOPSIS

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

```
int Bchgs (UBFH *p_ub, BFLDID bfl did, BFLDOCC occ, char *buf);
```

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

Chapter 2

DESCRIPTION

Change (add or update) field in UBF buffer by given user string value. The UBF buffer pointer is passed by *p_ub*, field id in *bfldid*. *occ* is occurrence to change. The string field value is passed in *buf*. *buf* is automatically converted to corresponding field type.

If *occ* is bigger than last existing index+1 in buffer then non existing occurrences (which are not being set directly 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).

Bchgs() basically is the same as **CBchgs(3)** passed in with **BFLD_STRING** type.

Chapter 3

RETURN VALUE

On success, **Bchgs()** 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.

BBADFLD Invalid field id passed.

BMALLOC Failed to allocate type conversion buffer.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to madars.vitolins@gmail.com

Chapter 7

SEE ALSO

CBchg(3) Badd(3) CBadd(3) Bget(3) CBget(3)

Chapter 8

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