

**BBOOLCO(3)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SYNOPSIS

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

```
char * Bboolco (char *expr);
```

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

## Chapter 2

# DESCRIPTION

Compile boolean expression (in parameter *expr*) and returns the evaluation tree handler. Following operators are available for expressions:

`%%`, `!%` - regular expression testing e.g. `"T_STRING_2_FLD %% 58.*"` - will match if `T_STRING_2_FLD` is set to `"58ABC"` for example.

`==`, `!=`, `<`, `<=`, `>`, `>=` - compare operations

`!`, `~`, `^` - bitwise operations

`+`, `-`, `*`, `%`, `/` - mathematical operations

`&&`, `||` - logical operations

## Chapter 3

# RETURN VALUE

On success, **Bboolco()** return pointer to evaluation tree; on error, NULL 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.

**BBADFLD** Invalid field id passed.

**BNOTPRES** Field not present.

**FMALLOC** Malloc failed.

**BSYNTAX** Synax error in script.

**BBADNAME** Bad field name specified.

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## Chapter 5

# EXAMPLE

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



## Chapter 6

# BUGS

Report bugs to [madars.vitolins@gmail.com](mailto:madars.vitolins@gmail.com)

## Chapter 7

## SEE ALSO

**Bboolev(3) Bfloatev(3) Btreefree(3)**

## **Chapter 8**

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