

**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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