

**BVOPT(3)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>SYNOPSIS</b>	<b>1</b>
<b>2</b>	<b>DESCRIPTION</b>	<b>2</b>
<b>3</b>	<b>RETURN VALUE</b>	<b>3</b>
<b>4</b>	<b>ERRORS</b>	<b>4</b>
<b>5</b>	<b>EXAMPLE</b>	<b>5</b>
<b>6</b>	<b>BUGS</b>	<b>6</b>
<b>7</b>	<b>SEE ALSO</b>	<b>7</b>
<b>8</b>	<b>COPYING</b>	<b>8</b>

## Chapter 1

# SYNOPSIS

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

```
int Bvopt(char *cname, int option, char *view);
```

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

---

## Chapter 2

# DESCRIPTION

Function is used to change the field options for loaded view. This affects only the runtime session and after the program reboot the flags are read from object files. Flags that can be changed in the view are related to data copy to/from UBF buffer. The field name is specified into *cname*, the view name is specified in the *view* field. Function is thread safe (i.e. to threads can call the Bvopt concurrently, but last one will take an effect).

The *option* field can take following values (constants from *ubf.h*):

1. **B\_FTOS** - same as **S** flag in view file. One way copy from UBF to struct, i.e. this field will participate in **Bvftos(3)**.
2. **B\_STOF** - same as **F** flag in view file. One way copy from struct to UBF buffer. This field will participate in **Bvstof(3)**.
3. **B\_OFF** - same as **N** flag in view file. Field will not participate in the **Bvftos(3)** or **Bvstof(3)** operations.
4. **B\_BOTH** - same as both flags **F** and **S** set, field will participate in **Bvftos(3)** and **Bvstof(3)**.

## Chapter 3

# RETURN VALUE

On success, **Bvftos()** 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.

**BEINVAL** Invalid value passed to function, parameters are NULL or invalid *option*.

**BNOCNAME** Invalid *cname* specified (field not found).

**BBADVIEW** View is not found, object file is defective or system error.

---

## Chapter 5

# EXAMPLE

See `atmitest/test040_typedview/viewunit1.c` for sample code.



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**viewc(8) Bvstof(3) Bvftos(3) Bvsinit(3) Bvselinit(3) Bvnull(3) ex\_env(5) Bupdate(3) Bconcat(3)**

## **Chapter 8**

# **COPYING**

© Mavimax, Ltd