

**BVNEXT(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 Bvnext (Bvnext_state_t *state, char *view, char *cname, int *fldtype, BFLDOCC *maxocc, long **dim_size)
```

```
Link with -lubf -lnstd -lm -lpthread
```

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## Chapter 2

# DESCRIPTION

Iterate over the given *view* structure. **Bvnext()** is called multiple times, each invoke will return next view field. To start iterate over the view *view* must be set. To continue iteration, *view* parameter must be set to NULL. *state* keeps the iterator position in the view. *cname* returns next parameter name. It is assumed that *cname* buffer size is at least **NDRX\_VIEW\_CNAME\_LEN**+1 bytes long (257 bytes). *fldtype* returns field type (See BFLD\_\* constants). *fldtype* is optional and can be NULL. *maxocc* returns field array size. parameter is optional and can be NULL. *dim\_size* is array element size in bytes.

## Chapter 3

# RETURN VALUE

On success, **Bnext()** return **1**, if End Of Buffer reached, then **0** is returned; 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** *state* is NULL, *view* is NULL and *state* not initialized or *cname* is NULL.

**BBADVIEW** *view* not found in view files.

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## Chapter 5

# EXAMPLE

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



## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**CBvchg(3) CBvget(3) Bvsetoccur(3) Bvoccur(3) viewfile(5)**

## **Chapter 8**

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