

**BVFTOS(3)**

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SYNOPSIS

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

```
int Bvftos(UBFH *p_ub, char *cstruct, char *view);
```

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

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## Chapter 2

# DESCRIPTION

This function is used to transfer the data from UBF buffer *p\_ub* to VIEW structure *cstruct*. The view name is passed by *view* argument. The name present by *view* must be present in view object files. Configured by **VIEWDIR** and **VIEWFILES** environment variables. The view file (see **viewfile(5)** page), shall contain the mappings in *UBF\_NAME* column. If mapping is present (not "-"), the function will perform data transfer from corresponding UBF buffer to mapped C view field. The transfer is performed only in case if in column *FLAGS* of view file the flag **S** is present, and flag **N** is not present. If UBF buffer have more occurrences that defined in *COUNT* column of view file, then extra UBF occurrences are ignored. If occurrences are less than *COUNT* specified in view, then those missing array elements are filled with *NULL\_VAL* value. If flag **C** is present, then count field will be initialized to number of elements transferred to structure. If **L** flag was present, then for **string** and **carray** elements, the number of bytes transferred to each array element is set.

## 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.

**BALIGNERR** Corrupted buffer or pointing to not aligned memory area.

**BNOTFLD** Buffer not fielded, not correctly allocated or corrupted.

**BBADFLD** Invalid field id passed.

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

**BVFSYNTAX** Defective object file.

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## Chapter 5

# EXAMPLE

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

## Chapter 6

# BUGS

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

## Chapter 7

## SEE ALSO

**viewc(8) Bvstof(3) Bvsinit(3) Bvselinit(3) Bvnull(3) Bvopt(3) ex\_env(5) viewfile(5)**

## **Chapter 8**

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