BVFTOS(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <ubf.h>

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

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

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 **Bstrerror**() 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.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to support@mavimax.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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