BADDFAST(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <ubf.h>

int Baddfast (UBFH *p_ub, BFLDID bfldid, char *buf, BFLDLEN len, Bfld_loc_info_t *next_fld);

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

Chapter 2

DESCRIPTION

Add field to UBF buffer. By difference to Badd, this function offers to add next occurrence of the field just right after the previous Baddfast function. So basically if batch of occurrences needs to be loaded to buffer or incrementing BFLDID of the same type needs to be added to the buffer in quick manner, then at first call provide *next_fld* set to 0 (memset(*next_fld*, 0, sizeof(*next_fld*))). Then first call will add data as normal **Badd()** call, but in result *next_fld* will keep the pointer to last position of the buffer, just right after data inserted. Thus Next Baddfast() is performing from that place. The benefit is avoided position search in buffer, which at large number of occurrences might grow exponentially. Then *p_ub* buffer must not be modified between the calls. *next_fld* is valid only for adding the same field occurrences or adding (when programmer knows for sure), incremented field id. In that case search can be avoided too. That can be beneficial in case if adding carrays or strings, as on the UBF does not do binary search.

The UBF buffer pointer is passed by *p_ub*, field id in *bfldid*. The user value is passed in *buf*. The *len* is used only if filed type is **BFLD_CARRAY**, for which length cannot be detected from passed data. The data type for *buf* must batch with *bfldid* type.

Chapter 3

RETURN VALUE

On success, **Baddfast()** 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.

BEINVAL *next_fld* is NULL

BALIGNERR Corrupted buffer or pointing to not aligned memory area.

BNOTFLD Buffer not fielded, not correctly allocated or corrupted.

BNOSPACE No space in buffer for string data.

Chapter 5

EXAMPLE

See **ubftest/test_badd.c** for sample code.

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

CBchg(3) Bdel(3) Badd(3) Bchg(3) CBadd(3) Badd(3)

Chapter 8

COPYING