BREADCB(3)

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

SYNOPSIS

#include <ubf.h>

int Breadcb (UBFH * p_ub, long (*p_readf)(char *buffer, long bufsz, void *dataptr1), void *dataptr1);

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

Chapter 2

DESCRIPTION

Breadcb() is a function which reads UBF/*p_ub* buffer from the callback function. specified in *p_readf* argument. The arguments to callback are *buffer* which is data buffer into which data must be read. The number of bytes required by particular request are specified in *bufsz*. This is precise number of bytes that are required to be read from the data source. Basically two read requests are performed by the function. The first reads the header and the scond extracts from the header buffer length and remaining bytes are read. The *dataptr1* argument to callback are forwarded from main function arguments. This is usable for cases when some other control objects must be passed to callback. The callback must return number of bytes read from the source. For success case parameter *bufsz* must be return from the callback (i.e. read bytes matches), otherwise **Breadcb()** will fail. In case of failure inside the callback, return value **-1**.

Chapter 3

RETURN VALUE

On success, **Breadcb()** 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.

BEINVAL *readf* is NULL.

BEUNIX Failed to read from stream.

Chapter 5

EXAMPLE

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

Chapter 6

BUGS

Report bugs to support@mavimax.com

Chapter 7

SEE ALSO

Bfprint(3) Bprint(3) Bwrite(3) Bwritecb(3) ud(8) Bextread(3)

Chapter 8

COPYING