NAME

reallocf - memory reallocation function

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <stdlib.h>

void *
reallocf(*void *ptr*, *size_t size*);

DESCRIPTION

The **reallocf**() function is identical to the **realloc**() function, except that it will free the passed pointer when the requested memory cannot be allocated. This is a FreeBSD specific API designed to ease the problems with traditional coding styles for **realloc**() causing memory leaks in libraries.

RETURN VALUES

The **reallocf**() function returns a pointer, possibly identical to *ptr*, to the allocated memory if successful; otherwise a NULL pointer is returned, and *errno* is set to ENOMEM if the error was the result of an allocation failure. The **reallocf**() function deletes the original buffer when an error occurs.

SEE ALSO

realloc(3)

HISTORY

The **reallocf**() function first appeared in FreeBSD 3.0.