

**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.