

explain\_realloc\_or\_die(3)

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**NAME**

explain\_realloc\_or\_die – Allocate and free dynamic memory and report errors

**SYNOPSIS**

#include &lt;libexplain/realloc.h&gt;

void explain\_realloc\_or\_die(void \*ptr, size\_t size);

**DESCRIPTION**

The **explain\_realloc\_or\_die** function is used to call the *realloc(3)* system call. On failure an explanation will be printed to *stderr*, obtained from *explain\_realloc(3)*, and then the process terminates by calling `exit(EXIT_FAILURE)`.

This function is intended to be used in a fashion similar to the following example:

```
void *new_ptr = explain_realloc_or_die(ptr, size);
```

*ptr*        The ptr, exactly as to be passed to the *realloc(3)* system call.

*size*       The size, exactly as to be passed to the *realloc(3)* system call.

Returns: This function only returns on success. On failure, prints an explanation and exits.

**SEE ALSO***realloc(3)*

Allocate and free dynamic memory

*explain\_realloc(3)*explain *realloc(3)* errors*exit(2)*

terminate the calling process

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