

[explain\\_vfork\\_or\\_die\(3\)](#)[explain\\_vfork\\_or\\_die\(3\)](#)

## NAME

`explain_vfork_or_die` – create a child process and report errors

## SYNOPSIS

```
#include <libexplain/vfork.h>
pid_t explain_vfork_or_die(void);
pid_t explain_vfork_on_error(void);
```

## DESCRIPTION

The `explain_vfork_or_die` function is used to call the `vfork(2)` system call. On failure an explanation will be printed to `stderr`, obtained from the `explain_vfork(3)` function, and then the process terminates by calling `exit(EXIT_FAILURE)`.

The `explain_vfork_on_error` function is used to call the `vfork(2)` system call. On failure an explanation will be printed to `stderr`, obtained from the `explain_vfork(3)` function, but still returns to the caller.

## RETURN VALUE

The `explain_vfork_or_die` function only returns on success, see `vfork(2)` for more information. On failure, prints an explanation and exits, it does not return.

The `explain_vfork_on_error` function always returns the value return by the wrapped `vfork(2)` system call.

## EXAMPLE

The `explain_vfork_or_die` function is intended to be used in a fashion similar to the following example:

```
pid_t result = explain_vfork_or_die();
```

## SEE ALSO

`vfork(2)` create a child process and block parent

`explain_vfork(3)`  
explain `vfork(2)` errors

`exit(2)` terminate the calling process

## COPYRIGHT

libexplain version 1.4

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