

explain\_getsockopt\_or\_die(3)

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**NAME**

explain\_getsockopt\_or\_die – get and set options on sockets and report errors

**SYNOPSIS**

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

void explain\_getsockopt\_or\_die(int fildes, int level, int name, void \*data, socklen\_t \*data\_size);

**DESCRIPTION**

The **explain\_getsockopt\_or\_die** function is used to call the *getsockopt(2)* system call. On failure an explanation will be printed to *stderr*, obtained from *explain\_getsockopt(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:

```
explain_getsockopt_or_die(fildes, level, name, data, data_size);
```

*fildes*     The fildes, exactly as to be passed to the *getsockopt(2)* system call.

*level*     The level, exactly as to be passed to the *getsockopt(2)* system call.

*name*     The name, exactly as to be passed to the *getsockopt(2)* system call.

*data*     The data, exactly as to be passed to the *getsockopt(2)* system call.

*data\_size*

          The data\_size, exactly as to be passed to the *getsockopt(2)* system call.

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

**SEE ALSO**

*getsockopt(2)*

get and set options on sockets

*explain\_getsockopt(3)*

explain *getsockopt(2)* errors

*exit(2)*    terminate the calling process

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