

explain\_getrusage\_or\_die(3)

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**NAME**

explain\_getrusage\_or\_die – get resource usage and report errors

**SYNOPSIS**

```
#include <libexplain/getrusage.h>

void explain_getrusage_or_die(int who, struct rusage *usage);
int explain_getrusage_on_error(int who, struct rusage *usage);
```

**DESCRIPTION**

The **explain\_getrusage\_or\_die** function is used to call the *getrusage(2)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain\_getrusage(3)* function, and then the process terminates by calling `exit(EXIT_FAILURE)`.

The **explain\_getrusage\_on\_error** function is used to call the *getrusage(2)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain\_getrusage(3)* function, but still returns to the caller.

*who*        The who, exactly as to be passed to the *getrusage(2)* system call.

*usage*      The usage, exactly as to be passed to the *getrusage(2)* system call.

**RETURN VALUE**

The **explain\_getrusage\_or\_die** function only returns on success, see *getrusage(2)* for more information. On failure, prints an explanation and exits, it does not return.

The **explain\_getrusage\_on\_error** function always returns the value return by the wrapped *getrusage(2)* system call.

**EXAMPLE**

The **explain\_getrusage\_or\_die** function is intended to be used in a fashion similar to the following example:

```
explain_getrusage_or_die(who, usage);
```

**SEE ALSO**

*getrusage(2)*  
     get resource usage

*explain\_getrusage(3)*  
     explain *getrusage(2)* errors

*exit(2)*    terminate the calling process

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