

explain\_setresuid\_or\_die(3)

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**NAME**

explain\_setresuid\_or\_die – set r/e/s user ID and report errors

**SYNOPSIS**

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

void explain_setresuid_or_die(uid_t ruid, uid_t euid, uid_t suid);
int explain_setresuid_on_error(uid_t ruid, uid_t euid, uid_t suid);
```

**DESCRIPTION**

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

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

*ruid*      The ruid, exactly as to be passed to the *setresuid(2)* system call.

*euid*      The euid, exactly as to be passed to the *setresuid(2)* system call.

*suid*      The suid, exactly as to be passed to the *setresuid(2)* system call.

**RETURN VALUE**

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

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

**EXAMPLE**

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

```
explain_setresuid_or_die(ruid, euid, suid);
```

**SEE ALSO**

*setresuid(2)*  
set real, effective and saved user ID

*explain\_setresuid(3)*  
explain *setresuid(2)* errors

*exit(2)*    terminate the calling process

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