

explain_settimeofday_or_die(3)

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NAME

explain_settimeofday_or_die – sets system time and report errors

SYNOPSIS

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

```
void explain_settimeofday_or_die(const struct timeval *tv, const struct timezone *tz);
int explain_settimeofday_on_error(const struct timeval *tv, const struct timezone *tz);
```

DESCRIPTION

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

The **explain_settimeofday_on_error** function is used to call the *settimeofday(2)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain_settimeofday(3)* function, but still returns to the caller.

tv The tv, exactly as to be passed to the *settimeofday(2)* system call.

tz The tz, exactly as to be passed to the *settimeofday(2)* system call.

RETURN VALUE

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

The **explain_settimeofday_on_error** function always returns the value return by the wrapped *settimeofday(2)* system call.

EXAMPLE

The **explain_settimeofday_or_die** function is intended to be used in a fashion similar to the following example:

```
explain_settimeofday_or_die(tv, tz);
```

SEE ALSO

settimeofday(2)

sets system time

explain_settimeofday(3)

explain *settimeofday(2)* errors

exit(2)

terminate the calling process

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