

explain_vsnprintf_or_die(3)

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NAME

explain_vsnprintf_or_die – formatted output conversion and report errors

SYNOPSIS

#include <libexplain/vsnprintf.h>

int explain_vsnprintf_or_die(char *data, size_t data_size, const char *format, va_list ap);

int explain_vsnprintf_on_error(char *data, size_t data_size, const char *format, va_list ap);

DESCRIPTION

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

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

data The data, exactly as to be passed to the *vsnprintf(3)* system call.

data_size

The *data_size*, exactly as to be passed to the *vsnprintf(3)* system call.

format The format, exactly as to be passed to the *vsnprintf(3)* system call.

ap The *ap*, exactly as to be passed to the *vsnprintf(3)* system call.

RETURN VALUE

The **explain_vsnprintf_or_die** function only returns on success, see *vsnprintf(3)* for more information. On failure, prints an explanation and exits, it does not return.

The **explain_vsnprintf_on_error** function always returns the value return by the wrapped *vsnprintf(3)* system call.

EXAMPLE

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

```
int result = explain_vsnprintf_or_die(data, data_size, format, ap);
```

SEE ALSO

vsnprintf(3)

formatted output conversion

explain_vsnprintf(3)

explain *vsnprintf(3)* errors

exit(2)

terminate the calling process

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