NAME

xo_emit_err, **xo_emit_errc**, **xo_emit_errx xo_emit_warn**, **xo_emit_warnx**, **xo_emit_warn_c**, **xo_emit_warn_hc** - emit errors and warnings in multiple output styles

LIBRARY

Text, XML, JSON, and HTML Output Emission Library (libxo, -lxo)

SYNOPSIS

#include <libxo/xo.h>

void
xo_emit_warn(*const char *fmt, ...*);

void
xo_emit_warnx(*const char *fmt, ...*);

void
xo_emit_warn_c(*int code, const char *fmt, ...*);

void
xo_emit_warn_hc(*xo_handle_t *xop, int code, const char *fmt, ...*);

void
xo_emit_err(*int eval, const char *fmt, ...*);

void
xo_emit_errc(*int eval, int code, const char *fmt, ...*);

void
xo_emit_errx(*int eval, const char *fmt, ...*);

DESCRIPTION

Many programs make use of the standard library functions err(3) and warn(3) to generate errors and warnings for the user. **libxo** wants to pass that information via the current output style, and provides compatible functions to allow this.

The *fmt* argument is one compatible with xo_emit(3) which allows these functions make structured data. To generate unstructured data, use the xo_err(3) functions.

These functions display the program name, a colon, a formatted message based on the arguments, and

then optionally a colon and an error message associated with either *errno* or the *code* parameter.

EXAMPLE:

```
if (open(filename, O_RDONLY) < 0)
    xo_err(1, "cannot open file ’%s’", filename);
```

SEE ALSO

xo_emit(3), xo_format(5), xo_err(3), libxo(3)

HISTORY

The **libxo** library first appeared in FreeBSD 11.0.

AUTHORS

libxo was written by Phil Shafer <*phil@freebsd.org*>.