

NAME

xo_parse_args, **xo_set_program** - detect, parse, and remove arguments for libxo

LIBRARY

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

SYNOPSIS

```
#include <libxo/xo.h>
```

int

```
xo_parse_args(int argc, char **argv);
```

int

```
xo_set_program(const char *name);
```

DESCRIPTION

The **xo_parse_args()** function is used to process command-line arguments, which are described in **xo_options(7)**. **libxo** specific options are processed and removed from the argument list so the calling application does not need to process them. If successful, a new value for *argc* is returned. On failure, a message is emitted and -1 is returned.

```
argc = xo_parse_args(argc, argv);
if (argc < 0)
    exit(EXIT_FAILURE);
```

Following the call to **xo_parse_args()**, the application can process the remaining arguments in a normal manner.

The **xo_set_program()** function sets name of the program as reported by functions like **xo_failure()**, **xo_warn()**, **xo_err()**, etc. The program name is initialized by **xo_parse_args()**, but subsequent calls to **xo_set_program()** can override this value.

Note that the value is not copied, so the memory passed to **xo_set_program()** (and **xo_parse_args()**) must be maintained by the caller.

SEE ALSO

xo_emit(3), **xo_options(7)**, **libxo(3)**

HISTORY

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

AUTHORS

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