

NAME

xo_set_flags, **xo_clear_flags** - set operational flags for a libxo handle

LIBRARY

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

SYNOPSIS

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

void

```
xo_set_flags(xo_handle_t *handle, unsigned flags);
```

void

```
xo_clear_flags(xo_handle_t *handle, xo_xof_flags_t flags);
```

DESCRIPTION

Use the **xo_set_flags()** function to set the flags for a **libxo** handle. To use the default handle, pass a NULL handle.

The set of valid flags include:

Flag	Description
XOF_CLOSE_FP	Close file pointer on <code>xo_destroy(3)</code> . This flag will trigger the call of the close_func() (provided via <code>xo_set_writer(3)</code>) when the handle is destroyed.
XOF_COLOR	Enable color and effects in output regardless of output device.
XOF_COLOR_ALLOWED	Allow color and effects if the output device is a terminal.
XOF_INFO	Display info data attributes (HTML)
XOF_KEYS	Emit the key attribute (XML)
XOF_LOG_GETTEXT	Log (via <code>stderr</code>) each <code>gettext(3)</code> string lookup
XOF_LOG_SYSLOG	Log (via <code>stderr</code>) each <code>syslog</code> message (via <code>xo_syslog(3)</code>)
XOF_NO_ENV	Do not use the <code>LIBXO_OPTIONS</code> environment variable.

XOF_PRETTY	Make 'pretty printed' output, with the addition of indentation and newlines to enhance the readability of XML, JSON, and HTML output. Text output is not affected.
XOF_UNDERSCORES	Replaces hyphens with underscores
XOF_UNITS	Display units (XML and HTML)
XOF_WARN	Generate warnings for broken calls, triggering diagnostic output (on standard error) when the library notices errors during operations, or with arguments to functions. Without warnings enabled, such conditions are ignored. Warnings allow developers to debug their interaction with libxo . The function xo_failure() can be used as a breakpoint for a debugger, regardless of whether warnings are enabled.
XOF_WARN_XML	Generate warnings in XML on stdout
XOF_XPATH	Emit XPath expressions (HTML)
XOF_COLUMNS	Force <code>xo_emit(3)</code> to return columns used
XOF_FLUSH	Flush output after each <code>xo_emit(3)</code> call

If the style is `XO_STYLE_HTML`, the following additional flags can be used:

Flag	Description
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XOF_XPATH	Emit "data-xpath" attributes
XOF_INFO	Emit additional informational fields for HTML output. See <code>xo_set_info(3)</code> for details.

The `XOF_XPATH` flag enables the emission of XPath expressions detailing the hierarchy of XML elements used to encode the data field, if the `XPATH` style of output were requested.

If the style is `XO_STYLE_XML`, the following additional flags can be used:

Flag	Description
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XOF_KEYS	Add 'key' attribute to the XML encoding for field definitions that use the 'k'
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modifier. The key attribute has the value "key".

The **xo_clear_flags()** function turns off the given flags in a specific handle.

SEE ALSO

xo_emit(3), libxo(3)

HISTORY

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

AUTHORS

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