

NAME

xo_options - common options for libxo-based commands

DESCRIPTION

libxo allows the rendering of data into various output styles, including *text*, *XML*, *JSON*, and *HTML*.

libxo uses command line options to trigger rendering behavior. Options are recognised in three forms:

- ⊕ --libxo <options>
- ⊕ --libxo=<options>
- ⊕ --libxo:<brief-options>

The first two forms accept a comma-separated set of words, detailed below, while the third form accepts a set of letters, also below. The triggered functionality is identical.

Option Action

color	Enable colors/effects for display styles (TEXT, HTML)
flush	Flush after each emit call
flush-line	Flush each line of output
html	Emit HTML output
indent=xx	Set the indentation level
info	Add info attributes (HTML)
json	Emit JSON output
keys	Emit the key attribute for keys (XML)
log-gettext	Log (via stderr) each gettext(3) string lookup
log-syslog	Log (via stderr) each syslog message (via xo_syslog)
no-humanize	Ignore the {h:} modifier (TEXT, HTML)
no-locale	Do not initialize the locale setting
no-retain	Prevent retaining formatting information
pretty	Emit pretty-printed output
retain	Force retaining formatting information
text	Emit TEXT output
underscores	Replace XML-friendly
units	Add the 'units' (XML) or 'data-units (HTML) attribute
warn	Emit warnings when libxo detects bad calls
warn-xml	Emit warnings in XML
xml	Emit XML output
xpath	Add XPath expressions (HTML)

The brief options are a set of single-letter aliases for the longer terms, used as a single string:

Value Equivalent Token

c
f flush
F flush-line
H html
I info
i<num> indent=<num>
J json
k keys
n no-humanize
P pretty
T text
U units
u underscore
W warn
X xml
x xpath

Most of these option are simple and direct, but some require additional details:

flush-line performs line buffering, even when the output is not directed to a TTY device.

info generates additional data for HTML, encoded in attributes using names that state with "data-".

keys adds a "key" attribute for XML output to indicate that a leaf is an identifier for the list member.

no-humanize avoids "humanizing" numeric output (see `humanize_number(3)` for details).

no-locale instructs **libxo** to avoid translating output to the current locale.

no-retain disables the ability of **libxo** to internally retain "compiled" information about formatting strings.

underscores can be used with *JSON* output to change *XML -friendly* names with dashes into *JSON -friendly* name with underscores.

warn allows **libxo** to emit warnings on `stderr` when application code make incorrect calls. *warn-xml* causes those warnings to be placed in *XML* inside the output.

EXAMPLES

The following are three example invocations of `ps(1)`:

```
ps --libxo json,pretty,warn -ux
```

```
ps --libxo=xml -lg
```

```
ps --libxo:Hxc 1
```

SEE ALSO

`libxo(3)`, `xo_format(5)`

HISTORY

The `libxo` library first appeared in FreeBSD 11.0.

AUTHORS

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