



Linux Ubuntu 26.04 Manual Pages on command 'gtk4-builder-tool.1'

\$ man gtk4-builder-tool.1

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Name

gtk4-builder-tool - GtkBuilder File Utility

SYNOPSIS

gtk4-builder-tool <COMMAND> [OPTIONS...] <FILE>

gtk4-builder-tool validate [OPTIONS...] <FILE>

gtk4-builder-tool enumerate [OPTIONS...] <FILE>

gtk4-builder-tool simplify [OPTIONS...] <FILE>

gtk4-builder-tool preview [OPTIONS...] <FILE>

gtk4-builder-tool render [OPTIONS...] <FILE>

gtk4-builder-tool screenshot [OPTIONS...] <FILE>

DESCRIPTION

gtk4-builder-tool can perform various operations on GtkBuilder UI definition files.

COMMANDS

Validation

The validate command validates the given UI definition file and reports errors to stderr.

Note that there are limitations to the validation that can be done for templates, since they are closely tied to the class_init function they are used in. If your UI file uses types from third-party libraries, it may help to add those libraries to the LD_PRELOAD environment variable.

--deprecations

Warn about uses of deprecated types in the UI definition file.

Enumeration

The enumerate command prints all the named objects that are present in the UI definition file.

--callbacks

Print the names of callbacks as well.

Preview

The preview command displays the UI definition file.

This command accepts options to specify the ID of the toplevel object and a CSS file to use.

--id=ID

The ID of the object to preview. If not specified, gtk4-builder-tool will choose a suitable object on its own.

--css=FILE

Load style information from the given CSS file.

Render

The render command saves a rendering of the UI definition file as a png image or node file.

The name of the file to write can be specified as a second FILE argument.

This command accepts options to specify the ID of the toplevel object and a CSS file to use.

--id=ID

The ID of the object to preview. If not specified, gtk4-builder-tool will choose a suitable object on its own.

--css=FILE

Load style information from the given CSS file.

--node

Write a serialized node file instead of a png image.

--force

Overwrite an existing file.

Screenshot

The screenshot command is an alias for render.

Simplification

The simplify command simplifies the UI definition file by removing properties that are set to their default values and writes the resulting XML to the standard output, or back to the input file.

When the --3to4 option is specified, the simplify command interprets the input as a GTK 3 UI definition file and attempts to convert it to GTK 4 equivalents. It performs various con?

versions, such as renaming properties, translating child properties to layout properties, rewriting the setup for GtkNotebook, GtkStack, GtkAssistant or changing toolbars into boxes.

You should always test the modified UI definition files produced by gtk4-builder-tool before using them in production.

Note in particular that the conversion done with --3to4 is meant as a starting point for a port from GTK 3 to GTK 4. It is expected that you will have to do manual fixups after the initial conversion.

--replace

Write the content back to the UI definition file instead of using the standard output.

--3to4

Transform a GTK 3 UI definition file to the equivalent GTK 4 definitions.

GTK

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