
Crossclip Documentation

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Charlie Sale

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Contents:

1	crossclip package	3
1.1	Submodules	3
1.2	crossclip.absbackend module	3
1.3	crossclip.clipboard module	4
1.4	crossclip.gtkbackend module	4
1.5	crossclip.qtbackend module	5
1.6	crossclip.winbackend module	5
1.7	Module contents	5
2	Indices and tables	7
	Python Module Index	9

Crossclip is a cross-platform python library for interacting with the clipboard. It supports copying and pasting both images and text.

1.1 Submodules

1.2 `crossclip.absbackend` module

class `crossclip.absbackend.AbstractBackend`

Bases: `abc.ABC`

Interface for all clipboard backends

This class is an interface for all clipboard backends to be registered into.

get_image (*form*)

Synchronously gets image from clipboard :returns: Image from clipboard :rtype:

get_text ()

Synchronously gets text from clipboard :returns: Text from clipboard :rtype: str

set_image (*img*)

Sets image to clipboard :param img: Image to set to clipboard :type img:

set_text (*text*)

Sets text to the clipboard :param text: Text to add :type text: str

class `crossclip.absbackend.AbstractImageConverter`

Bases: `abc.ABC`

Converts an image between a Pillow Image and a native clipboard image

This interface is needed to convert native images to pillow images and vice versa.

from_pillow (*pil*)

Converts a pillow image to native type

image_str

String representing image

image_type

The type of native image

to_pillow (*native_image*)

Converts a native image to Pillow iamge

1.3 crossclip.clipboard module

1.4 crossclip.gtkbackend module

class `crossclip.gtkbackend.GtkBackend` (*display=None*)

Bases: `crossclip.absbackend.AbstractBackend`

Gtk Clipboard backend

This clipboard backends the `Gtk.Clipboard` class. It inherits from it and the base backend class. This way, it has all of the `Gtk`'s properties, but it can operate through the `BaseBackend` interface.

get_image (*format='pil', converter=None*)

Synchronously gets image from clipboard. The image is either a pillow image, or a `GdkPixbuf.Pixbuf`.

Parameters **format** – Format of image. 'pil' for pillow, 'gdk-pixbuf' for gdk pixbuf (default: 'pil')

Returns `PIL.Image` or `GdkPixbuf.Pixbuf` Image in chosen format

Raises `RuntimeWarning` – If format is invalid format

get_text ()

Synchronously gets text from clipboard.

Return `str` Text from clipboard

image_converter = `<crossclip.gtkbackend.GtkImageConverter object>`

raw_clipboard = `None`

set_image (*image, converter=None*)

Synchronously sets image to clipboard.

Parameters

- **image** – Some image object
- **format** – format of image

Raises `RuntimeWarning` – If format is invalid

set_text (*text, num=-1*)

Synchronously sets text to clipboard

Parameters

- **text** – text to set to clipboard
- **num** – length of text to set. If -1, all text is copied (default: -1)

class `crossclip.gtkbackend.GtkImageConverter`

Bases: `crossclip.absbackend.AbstractImageConverter`

from_pillow (*image*)

Converts a `PIL.Image` to a `GdkPixbuf.Pixbuf`.

Parameters `image` – *PIL.Image* to be converted

Returns `GdkPixbuf.Pixbuf` Converted pixbuf

image_str

Returns a string representation of what the object is.

Returns str 'gdk-pixbuf'

image_type

Returns the type of image that this converter uses.

Returns `GdkPixbuf.Pixbuf` type (not object!)

to_pillow (*pixbuf*)

Converts and image of *self.image_type* to a *PIL.Image*.

Parameters `pixbuf` – `GdkPixbuf.Pixbuf` image

Returns `PIL.Image` Converted Pillow Image

1.5 crossclip.qtbackend module

1.6 crossclip.winbackend module

1.7 Module contents

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
- `search`

C

crossclip, 5

crossclip.absbackend, 3

crossclip.gtkbackend, 4

A

AbstractBackend (*class in crossclip.absbackend*), 3
 AbstractImageConverter (*class in crossclip.absbackend*), 3

C

crossclip (*module*), 5
 crossclip.absbackend (*module*), 3
 crossclip.gtkbackend (*module*), 4

F

from_pillow() (*crossclip.absbackend.AbstractImageConverter method*), 3
 from_pillow() (*crossclip.gtkbackend.GtkImageConverter method*), 4

G

get_image() (*crossclip.absbackend.AbstractBackend method*), 3
 get_image() (*crossclip.gtkbackend.GtkBackend method*), 4
 get_text() (*crossclip.absbackend.AbstractBackend method*), 3
 get_text() (*crossclip.gtkbackend.GtkBackend method*), 4
 GtkBackend (*class in crossclip.gtkbackend*), 4
 GtkImageConverter (*class in crossclip.gtkbackend*), 4

I

image_converter (*crossclip.gtkbackend.GtkBackend attribute*), 4
 image_str (*crossclip.absbackend.AbstractImageConverter attribute*), 3
 image_str (*crossclip.gtkbackend.GtkImageConverter attribute*), 5

image_type (*crossclip.absbackend.AbstractImageConverter attribute*), 3
 image_type (*crossclip.gtkbackend.GtkImageConverter attribute*), 5

R

raw_clipboard (*crossclip.gtkbackend.GtkBackend attribute*), 4

S

set_image() (*crossclip.absbackend.AbstractBackend method*), 3
 set_image() (*crossclip.gtkbackend.GtkBackend method*), 4
 set_text() (*crossclip.absbackend.AbstractBackend method*), 3
 set_text() (*crossclip.gtkbackend.GtkBackend method*), 4

T

to_pillow() (*crossclip.absbackend.AbstractImageConverter method*), 4
 to_pillow() (*crossclip.gtkbackend.GtkImageConverter method*), 5