

# Tkinter Dialogs

## **:mod:`tkinter.simpledialog`** --- Standard Tkinter input dialogs

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 4); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 7)

Unknown directive type "module".

```
.. module:: tkinter.simpledialog
   :platform: Tk
   :synopsis: Simple dialog windows
```

Source code: `:source:`Lib/tkinter/simpledialog.py``

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 11); [backlink](#)

Unknown interpreted text role "source".

The `:mod:`tkinter.simpledialog`` module contains convenience classes and functions for creating simple modal dialogs to get a value from the user.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 15); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 19)

Unknown directive type "function".

```
.. function:: askfloat(title, prompt, **kw)
              askinteger(title, prompt, **kw)
              askstring(title, prompt, **kw)
```

The above three functions provide dialogs that prompt the user to enter a value of the desired type.

The base class for custom dialogs.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 30)

Unknown directive type "method".

```
.. method:: body(master)
```

Override to construct the dialog's interface and return the widget that should have initial focus.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 35)

Unknown directive type "method".

```
.. method:: buttonbox()
```

Default behaviour adds OK and Cancel buttons. Override for custom button layouts.

## :mod:`tkinter.filedialog` --- File selection dialogs

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) dialog.rst, line 42); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) dialog.rst, line 45)

Unknown directive type "module".

```
.. module:: tkinter.filedialog
   :platform: Tk
   :synopsis: Dialog classes for file selection
```

**Source code:** :source:`Lib/tkinter/filedialog.py`

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) dialog.rst, line 49); [backlink](#)

Unknown interpreted text role "source".

The :mod:`tkinter.filedialog` module provides classes and factory functions for creating file/directory selection windows.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) dialog.rst, line 53); [backlink](#)

Unknown interpreted text role "mod".

### Native Load/Save Dialogs

The following classes and functions provide file dialog windows that combine a native look-and-feel with configuration options to customize behaviour. The following keyword arguments are applicable to the classes and functions listed below:

- parent* - the window to place the dialog on top of
- title* - the title of the window
- initialdir* - the directory that the dialog starts in
- initialfile* - the file selected upon opening of the dialog
- filetypes* - a sequence of (label, pattern) tuples, '\*' wildcard is allowed
- defaultextension* - default extension to append to file (save dialogs)
- multiple* - when true, selection of multiple items is allowed

### Static factory functions

The below functions when called create a modal, native look-and-feel dialog, wait for the user's selection, then return the selected value(s) or None to the caller.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) dialog.rst, line 85)

Unknown directive type "function".

```
.. function:: askopenfile(mode="r", **options)
             askopenfiles(mode="r", **options)
```

The above two functions create an :class:`Open` dialog and return the opened file object(s) in read-only mode.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 91)**

Unknown directive type "function".

```
.. function:: asksaveasfile(mode="w", **options)
```

Create a :class:`SaveAs` dialog and return a file object opened in write-only mode.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 95)**

Unknown directive type "function".

```
.. function:: askopenfilename(**options)
           askopenfilenames(**options)
```

The above two functions create an :class:`Open` dialog and return the selected filename(s) that correspond to existing file(s).

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 101)**

Unknown directive type "function".

```
.. function:: asksaveasfilename(**options)
```

Create a :class:`SaveAs` dialog and return the selected filename.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 105)**

Unknown directive type "function".

```
.. function:: askdirectory(**options)

| Prompt user to select a directory.
| Additional keyword option:
| *mustexist* - determines if selection must be an existing directory.
```

The above two classes provide native dialog windows for saving and loading files.

### Convenience classes

The below classes are used for creating file/directory windows from scratch. These do not emulate the native look-and-feel of the platform.

Create a dialog prompting the user to select a directory.

#### Note

The *FileDialog* class should be subclassed for custom event handling and behaviour.

Create a basic file selection dialog.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 133)**

Unknown directive type "method".

```
.. method:: cancel_command(event=None)
```

Trigger the termination of the dialog window.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 137)**

Unknown directive type "method".

```
.. method:: dirs_double_event(event)
```

Event handler for double-click event on directory.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 141)**

Unknown directive type "method".

```
.. method:: dirs_select_event(event)
```

Event handler for click event on directory.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 145)**

Unknown directive type "method".

```
.. method:: files_double_event(event)
```

Event handler for double-click event on file.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 149)**

Unknown directive type "method".

```
.. method:: files_select_event(event)
```

Event handler for single-click event on file.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 153)**

Unknown directive type "method".

```
.. method:: filter_command(event=None)
```

Filter the files by directory.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 157)**

Unknown directive type "method".

```
.. method:: get_filter()
```

Retrieve the file filter currently in use.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 161)**

Unknown directive type "method".

```
.. method:: get_selection()
```

Retrieve the currently selected item.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 165)**

Unknown directive type "method".

```
.. method:: go(dir_or_file=os.curdir, pattern="", default="", key=None)
```

Render dialog and start event loop.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 169)**

Unknown directive type "method".

```
.. method:: ok_event(event)

    Exit dialog returning current selection.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 173)**

Unknown directive type "method".

```
.. method:: quit(how=None)

    Exit dialog returning filename, if any.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 177)**

Unknown directive type "method".

```
.. method:: set_filter(dir, pat)

    Set the file filter.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 181)**

Unknown directive type "method".

```
.. method:: set_selection(file)

    Update the current file selection to *file*.
```

A subclass of `FileDialog` that creates a dialog window for selecting an existing file.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 191)**

Unknown directive type "method".

```
.. method:: ok_command()

    Test that a file is provided and that the selection indicates an
    already existing file.
```

A subclass of `FileDialog` that creates a dialog window for selecting a destination file.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 201)**

Unknown directive type "method".

```
.. method:: ok_command()

    Test whether or not the selection points to a valid file that is not a
    directory. Confirmation is required if an already existing file is
    selected.
```

## **:mod:`tkinter.commondialog` --- Dialog window templates**

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 207); [backlink](#)**

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 210)

Unknown directive type "module".

```
.. module:: tkinter.commondialog
   :platform: Tk
   :synopsis: Tkinter base class for dialogs
```

Source code: `source:'Lib/tkinter/commondialog.py'`

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 214); [backlink](#)

Unknown interpreted text role "source".

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The `mod:'tkinter.commondialog'` module provides the `class:'Dialog'` class that is the base class for dialogs defined in other supporting modules.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 218); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 218); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 223)

Unknown directive type "method".

```
.. method:: show(color=None, **options)

   Render the Dialog window.
```

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)dialog.rst, line 228)

Unknown directive type "seealso".

```
.. seealso::

   Modules :mod:`tkinter.messagebox`, :ref:`tut-files`
```