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fltkwish

Section: User Commands (1)

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NAME

fltkwish - Tcl/Fltk Windowing Shell Version 1.0.154-13

SYNOPSIS

fltkwish [*options*]*file*

DESCRIPTION

The **fltkwish** program is a version of the Tcl interpreter that is used to invoke the Tcl/Fltk command set extension to the Tcl scripting language. For information on the Tcl application development environment see <http://www.tcl.tk>.

The Tcl/Fltk extension adds a set of commands to the standard Tcl command shell that allow the development of GUI applications that make use of the widget set provided by the Fast Light Tool Kit (FLTK). The FLTK widget set is implemented in a widely distributed cross platform highly portable library. FLTK widgets are always drawn native on the target platform, and as such, provide a consistent look and feel on different platforms. Performance is somewhat better than alternative approaches that make use of emulation layers to implement GUI portability. For more information of FLTK see <http://www.fltk.org>.

Invoking **fltkwish** starts an instance of the standard Tcl interpreter. At the command prompt, any Tcl command can be issued, or any of the available Tcl/Fltk commands may be used. Typically, applications will be implemented in script files using the combined Tcl/Fltk command set. The script files are then passed to the interpreter in the usual way by making the script file executable and invoking the **fltkwish** interpreter from within the script. For example:

```
#!/bin/sh ; # \; exec fltkwish "$0" ${1+"$@"}
```

within a shell script will invoke the interpreter and pass any other lines in the script file to the interpreter. Alternately, scripts can be invoked using a command such as:

```
fltkwish file
```

where *file* is the name of the file with the Tcl/Fltk commands to be executed.

OPTIONS

The **fltkwish** application accepts platform specific options that relate to the host GUI environment if such options exist. Under X Windows, for instance, the **fltkwish** command line will accept X Toolkit options. Documentation relating to these options is available in the reference material for the relevant GUI environment. Under other environments, such as Windows or Nano-X, some or all of these options may not be useful.

The **fltkwish** application supports the following FLTK related options:

- display
This option defines the display to use under X Windows implementations. The default value is **:0.0**. This option is X specific.
- title
This option can be used to specify the title of the main root window of a Tcl/Fltk application. The default name is fltkwish-1.0. Only the first top level window will respond the this option. If an application has more than one top level window, the *Wm* command can be used to manage the window title.
- fg
This option can be used to set the default foreground text color. By default, the default foreeground text color is *black*.
- bg
This option can be used to set the default window background color. By default, this color is *gray*.
- geometry
This option can be used to set the default geometry of the root window for an application. This option is typically of little use as application normally will size their own windows to suit their needs. However, the usual geometry format of:
"X,Y,WxH"
may be used to specify a default geometry.
- bg2
This option sets the secondary background color. It has some use in several widgets that need more than 1 background color. The default is *gray*.
- name
Sets the application name
- iconic
Makes the root window iconic
- dnd
Activates drag and drop functionality. Dnd support is not currently implemented for Tcl/Fltk widgets.
- kbd
Specifies keyboard support (Default)
- nodnd
Suppresses drag and drop functionality
- nokbd
Application has no keyboard support
- notooltips
Suppresses display of tool tips
- tooltips
Activates tool tip display (default)
- scheme

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Specifies a tool kit related scheme. FLTK currently provides 2 schemes, *normal*, the default, and *plastic*. The Tcl/Fltk package provides many other schemes that can be loaded via the *Scheme* command.

In addition to the above options, the Tcl/Fltk extension itself provides the following options:

-namespace

This option can be used to specify a Tcl namespace name that will be prepended to all of the extension commands. By default, there is no namespace name prepended, and Tcl/Fltk commands are invoked directly. If the *-namespace* option is used, the all commands must be invoked using references of the form:

name::command

where *name* is the namespace name and *command* is the extension command. See the Tcl reference documentation on *namespace* for more information on this feature.

-rootwindow

This option is used to specify a root window identifier which is used to sub-class the top level windows created by the Tcl/Fltk extension. This feature is used with certain applications which embed the windows for applications within another application. The *plugger* extension to popular Linux/UNIX web browsers is one example. This feature can also be used to embed Tcl/Fltk windows in Tk wrappers, allowing the possibility of making use of Tcl/Fltk widgets within Tk applications.

-version

This option prints the version string for the **fltkwish** application and then exits.

FILES

The following files, installed in the **Fltk-1.0** library directory, contain additional information:

fltk_version.sh
README
LICENSE

Extensive documentation on the Tcl/Fltk command set is available for download in the form of a PDF file. Consult the download site for this distribution for this documentation or look at <http://pages.infinet.net/cclients/downloads.htm>

The *scripts* sub-directory in the library sub-directory contains a number of demonstration, test harness and application scripts that can be used to study how the development of applications can be done using this package.

ENVIRONMENT

For non-standard installations, the **TCLLIBPATH** environment variable can be used to specify the path to the extension package. It should be set before **fltkwish** is invoked.

SEE ALSO

tcsh(1) wish(1)

AUTHOR

Iain B. Findleton <mailto:ifindleton@videotron.ca>

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