

Tcl Developer Xchange



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Tcl/Tk 8.3

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Latest Release: Tcl/Tk 8.3.4 (October 22, 2001)

This release focused on stability and build fixes. Source releases, the exact changes and ChangeLog for each release are available in the [SourceForge Tcl project's](#) file distribution area:

[Tcl and Tk source releases](#)

(for binary releases, see below)

The change information is also included in each distribution.

New Tcl/Tk 8.3 Features

Tk is getting much deserved attention in this release. Adoption of the **Img** and **Dash** patches by Jan Nijtmans add many features to the Tk core that have been long awaited. The new features added since the Tcl/Tk 8.2 release include:

- **octal error messages** We improved the error messages generated when an invalid octal number (e.g., 0899) is used in a math expression.
- **lsort -unique** This new option to `lsort` removes duplications from lists as it sorts.
- **glob** Added the `-type`, `-path`, `-directory`, and `-join` switches to give more control over how files are matched.
- **file date stamps**. The `file atime` and `file mtime` commands were extended to allow setting the file modify and access time.
- **file channels**. This new command lists the open channels.
- **scan** This can now return a list of values instead of assigning to variables.
- **array unset** This command can clear an array without complaining if the array doesn't exist.
- **Img Patch**. Adopted the "Img" patch from Jan Nijtmans that makes the image command Tcl_Obj-based, adds support for binary `-data` args, adds alpha channel to images, adds GIF write capability (non patent-infringing run-length-encoding).
- **Dash Patch**. This patch adds a variety of features, including:

- Dashed line support on the canvas.
- Pointer warping via the event `-warp` option,
- Support for `<Quadruple>` clicks
- Entry widget validation routines.
- New `-state` hidden in text widgets. TkMan users no longer have to patch Tk!
- New `-state -active* -disabled* -offset` options to canvas items.
- Postscript printing of images and windows from the canvas.
- **Canvas.** Advanced tag searching has been added to operations like 'find' and 'addtag'. You can search for canvas items using boolean functions of their tags:

```
$canvas find withtag {linetag && redtag}
```

- **Listboxes** Added the `-listvariable` option to link a listbox to a variable, and added `itemconfigure` to allow coloring individual items.
- **Standard Dialogs.** updated dialogs to use color icons on Unix. Improved behavior of `-initialfile` to `tk_get*File`.

Select your Tcl/Tk Version

- **NEW!** [Download the latest version of Tcl/Tk \(8.3.4\)](#), released on October 22, 2001.
- [Find out what version of Tcl/Tk is best for you.](#)

For More Tcl Information

The Tcl user community is a great resource for all Tcl developers. Explore the areas below to get more information on how people use Tcl, as well as in depth technical information from experts.

- See the long list of [Supported Platforms](#) that Tcl can run on.
- Visit [Tcl on SourceForge](#) to report bugs and browse our bug database.
- Our [Documentation](#) area has lots of information, including manuals, "How To" guides, and more.
- The [Community](#) area has discussion forums and more.
- See the [comp.lang.tcl](#) newsgroup for more user information.
- Read the [Tcl Success Stories](#) for examples on how others are using Tcl.

[Download Tcl/Tk 8.3!](#)

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