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## Tcl/Tk Program Development Tools

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# Tcl/Tk Program Development Tools

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One of the tricks to getting your job done efficiently is having the right tools for the job. There are plenty of tools available for developing Tcl applications.

This poster gives a quick description of several tools that are in use in the Tcl community. If the tool you need is not mentioned here, try checking the Neosoft search engine at <http://www.neosoft.com>, the Scriptics Resource Center at <http://www.scriptics.com/resource/>, the announcements in [comp.lang.tcl](http://comp.lang.tcl), or the FAQs at <http://www.teraform.com/%7Elvirden/tcl-faq/>.

The posters describe:

## Code formatters

frink	Reformats code into a standard style, for easy comprehension.
Primary Site	<a href="ftp://catless.ncl.ac.uk/pub/frink.tar.gz">ftp://catless.ncl.ac.uk/pub/frink.tar.gz</a>
tcl_cruncher	Reformats code into a style that optimizes for interpreter efficiency. This program also does some syntax checking.
Primary Site	<a href="ftp://hplyot.obspm.fr:/tcl/tcl_cruncher*">ftp://hplyot.obspm.fr:/tcl/tcl_cruncher*</a>

## Code checkers

tclCheck	Checks for balanced brackets, braces and parentheses.
Primary Site	<a href="ftp://catless.ncl.ac.uk/pub/tclCheck.tar.gz">ftp://catless.ncl.ac.uk/pub/tclCheck.tar.gz</a>
tcl_lint	Checks for syntax errors, unset or non-existent variables, incorrect procedure calls, and more.
Primary Site	<a href="http://icemcfd.com/tcl/ice.html">http://icemcfd.com/tcl/ice.html</a>
tclparse	Checks for syntax errors, missing dollar signs, and other errors.
Primary Site	<a href="http://www.informatik.uni-stuttgart.de/ipvvr/swlab/sopra/tclsyntax/tclparseHomeEngl.html">http://www.informatik.uni-stuttgart.de/ipvvr/swlab/sopra/tclsyntax/tclparseHomeEngl.html</a>

## Debuggers

Don Libes's Debugger	This is a text oriented package with support for setting breakpoints, examining data, etc.
Primary Site	<a href="http://expect.nist.gov/">http://expect.nist.gov/</a>
tuba	This is a GUI based package with multiple windows for both Tcl and Tk.

Primary Site <http://www.doitnow.com/~iliad/Tcl/tuba/>

TdDebug This GUI based package can attach itself to an already running Tk application.

Primary Site <http://www.neosoft.com>

TclPro Debugger This is a full featured, GUI based package from Scriptics that can debug remote or embedded applications as well as those on the local host.

Primary Site <http://www.scriptics.com>

### **GUI generators**

SpecTcl SpecTcl creates a GUI skeleton for a Tk program.

Primary Site <http://sunscript.sun.com/products/spectcl.html>

Spynergy

Primary Site <http://www.eolas.com>

### **Tcl Compilers**

ICEM Tcl Compiler The ICEM Tcl Compiler translates Tcl code into C code to improve performance.

Primary Site <http://icemcfd.com/tcl/ice.html>

Jan Nijtmans's plus-patch This patch applies some minor bug fixes, extends the shared library support, and makes it possible to convert Tcl scripts into executables that can run when Tcl is not installed.

Primary Site <http://home.wxs.nl/~nijtmans/>

Scriptics TclPro Compiler Generates Tcl bytecode files that can be evaluated by Tcl 8.0.3 interpreters with the appropriate extension.

Primary Site <http://www.scriptics.com>

### **Tcl Extension Generators**

swig Swig creates Tcl extensions by reading the function and data definitions from an include file.

Primary Site <http://www.cs.utah.edu/~beazley/SWIG/swig.html>

### **Tcl Packagers**

Scriptics TclPro Wrapper Wraps an interpreter, application script and ancilliary files into a single executable.

Primary Site <http://www.scriptics.com>