

# Tcllib – Plumbing There-of

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# Tcllib – Plumbing There-of

- Location
- Where we came from
- Where we are
- Where we could go

# Tcllib – Location

- <https://core.tcl.tk/tcllib>
  - Sources
  - Documentation
  - Ticket Tracker
  - Wiki
- <http://sf.net/p/tcllib>
  - Mailing lists, only!
    - tcllib-devel
    - tcllib-bugs

# Tcllib – Location

The screenshot shows a Mozilla Firefox browser window with the title "Tcl Library Source Code: Tcl Library Source Code - Mozilla Firefox". The address bar displays "core.tcl.tk/tcllib/home". The page content includes a navigation menu with links for Core, Home, Blog, Documentation, Downloads, Tickets, Timeline, Files, Branches, Tags, Wiki, and Admin. A search bar is present with the text "Find by Id:". Below the navigation menu, there are buttons for Help, List, New, and Search. The main content area contains the following sections:

The Tcl Library is a kitchen sink of packages across a broad spectrum of things.

## Documentation (Trunk)

[Table Of Contents](#)  
[Keyword Index](#)

## Discussion & Contact

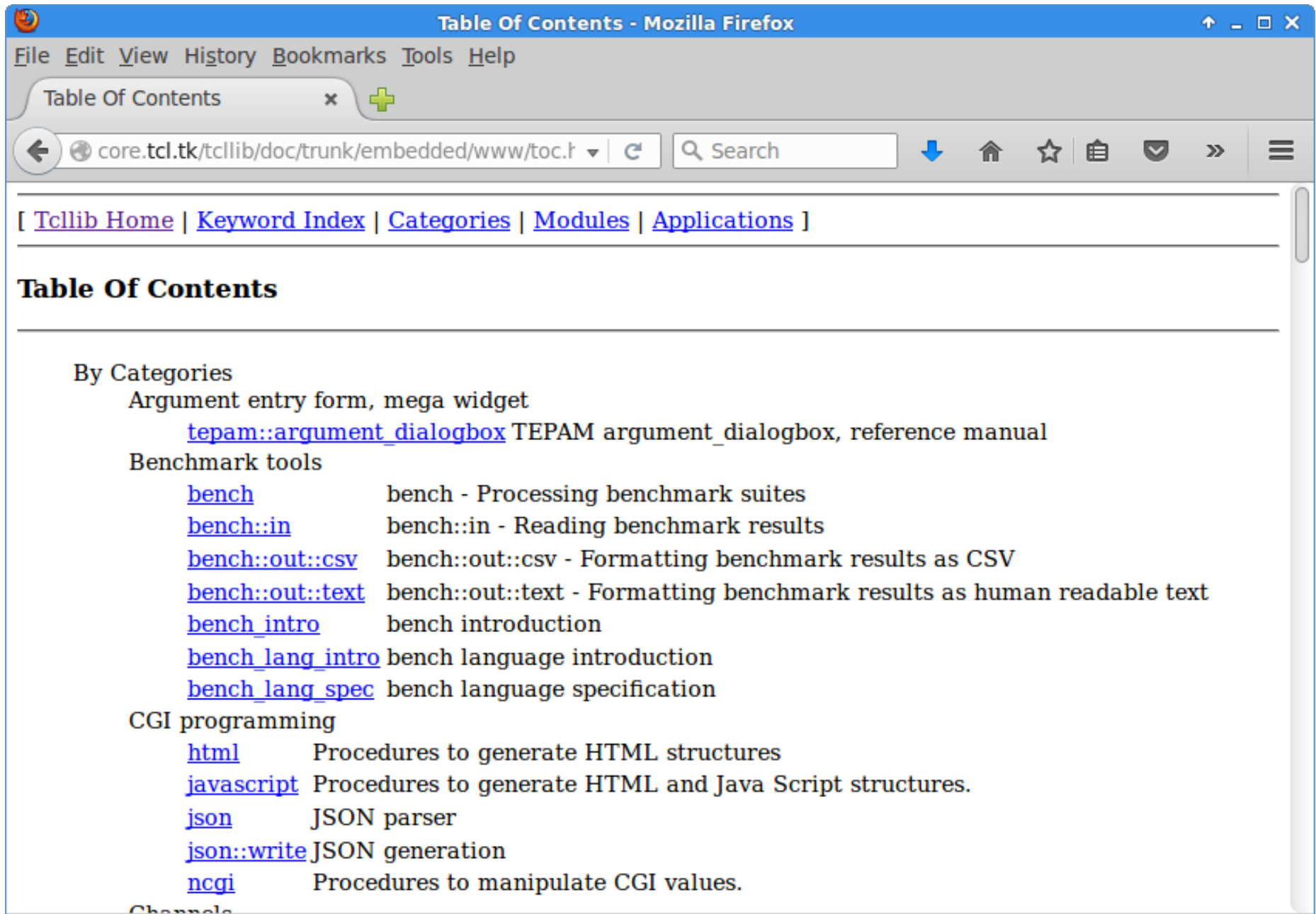
Tcllib has two [mailing lists](#), one for notifications, the other for general discussion. These are managed at SourceForge, at the aforementioned link. A few direct links for various topics:

tcllib-bugs: [Subscribe](#) [Archive](#) [Search](#)  
tcllib-devel: [Subscribe](#) [Archive](#) [Search](#)

## Feedback

Please go to and use our [Local Trackers](#). They are for

# Tcllib – Documentation



The screenshot shows a Mozilla Firefox browser window with the title "Table Of Contents - Mozilla Firefox". The address bar contains the URL "core.tcl.tk/tcllib/doc/trunk/embedded/www/toc.t". The page content includes a navigation menu with links for "Tcllib Home", "Keyword Index", "Categories", "Modules", and "Applications". Below this is a section titled "Table Of Contents" with a sub-section "By Categories". Under "By Categories", there are several entries: "Argument entry form, mega widget" with a link to "tepam::argument\_dialogbox"; "Benchmark tools" with links to "bench", "bench::in", "bench::out::csv", "bench::out::text", "bench\_intro", "bench\_lang\_intro", and "bench\_lang\_spec"; and "CGI programming" with links to "html", "javascript", "json", "json::write", and "ncgi".

Table Of Contents - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Table Of Contents

core.tcl.tk/tcllib/doc/trunk/embedded/www/toc.t

[ [Tcllib Home](#) | [Keyword Index](#) | [Categories](#) | [Modules](#) | [Applications](#) ]

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## Table Of Contents

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By Categories

- Argument entry form, mega widget
  - [tepam::argument\\_dialogbox](#) TEPAM argument\_dialogbox, reference manual
- Benchmark tools
  - [bench](#) bench - Processing benchmark suites
  - [bench::in](#) bench::in - Reading benchmark results
  - [bench::out::csv](#) bench::out::csv - Formatting benchmark results as CSV
  - [bench::out::text](#) bench::out::text - Formatting benchmark results as human readable text
  - [bench\\_intro](#) bench introduction
  - [bench\\_lang\\_intro](#) bench language introduction
  - [bench\\_lang\\_spec](#) bench language specification
- CGI programming
  - [html](#) Procedures to generate HTML structures
  - [javascript](#) Procedures to generate HTML and Java Script structures.
  - [json](#) JSON parser
  - [json::write](#) JSON generation
  - [ncgi](#) Procedures to manipulate CGI values.

Channels

# Tcllib – Blog

The screenshot shows a Mozilla Firefox browser window displaying the 'Tcl Library Source Code: Timeline' page. The browser's address bar shows the URL 'core.tcl.tk/tcllib/timeline?y=e&v=0'. The page title is 'Tcl Library Source Code Timeline'. The user is logged in as 'aku'. The page features a navigation menu with links for Core, Home, Blog, Documentation, Downloads, Tickets, Logout, Timeline, Files, Branches, Tags, Wiki, and Admin. A search bar labeled 'Find by Id:' is present. Below the navigation, there are filters for 'Max: 50', 'Tech Notes', and 'Without Files'. The main content area displays a list of 4 technical notes, each with a date, time, and a link to the note's content.

Logged in as aku

## Tcl Library Source Code Timeline

Core Home Blog Documentation Downloads Tickets | Timeline Files Branches Tags Wiki Admin  
Logout

Find by Id:

Max:  Tech Notes Without Files

### 4 technical notes

- 2015-04-30**  
05:00 • [\[56416fe9cf\]](#) Tcllib 1.17 Release. (user: [aku](#), tags: [tcllib-1-17](#))
- 2015-02-23**  
12:00 • [\[c0e1d2b2a5\]](#) Saving NetNews with Tcl(lib) (user: [aku](#))
- 2014-02-11**  
19:06 • [\[dac0ddcd2e\]](#) Tcllib 1.16 Release. (user: [aku](#), tags: [tcllib-1-16](#))
- 2013-02-06**  
05:47 • [\[67846cf33b\]](#) Tcllib 1.15 Release. (user: [aku](#), tags: [tcllib-1-15](#))

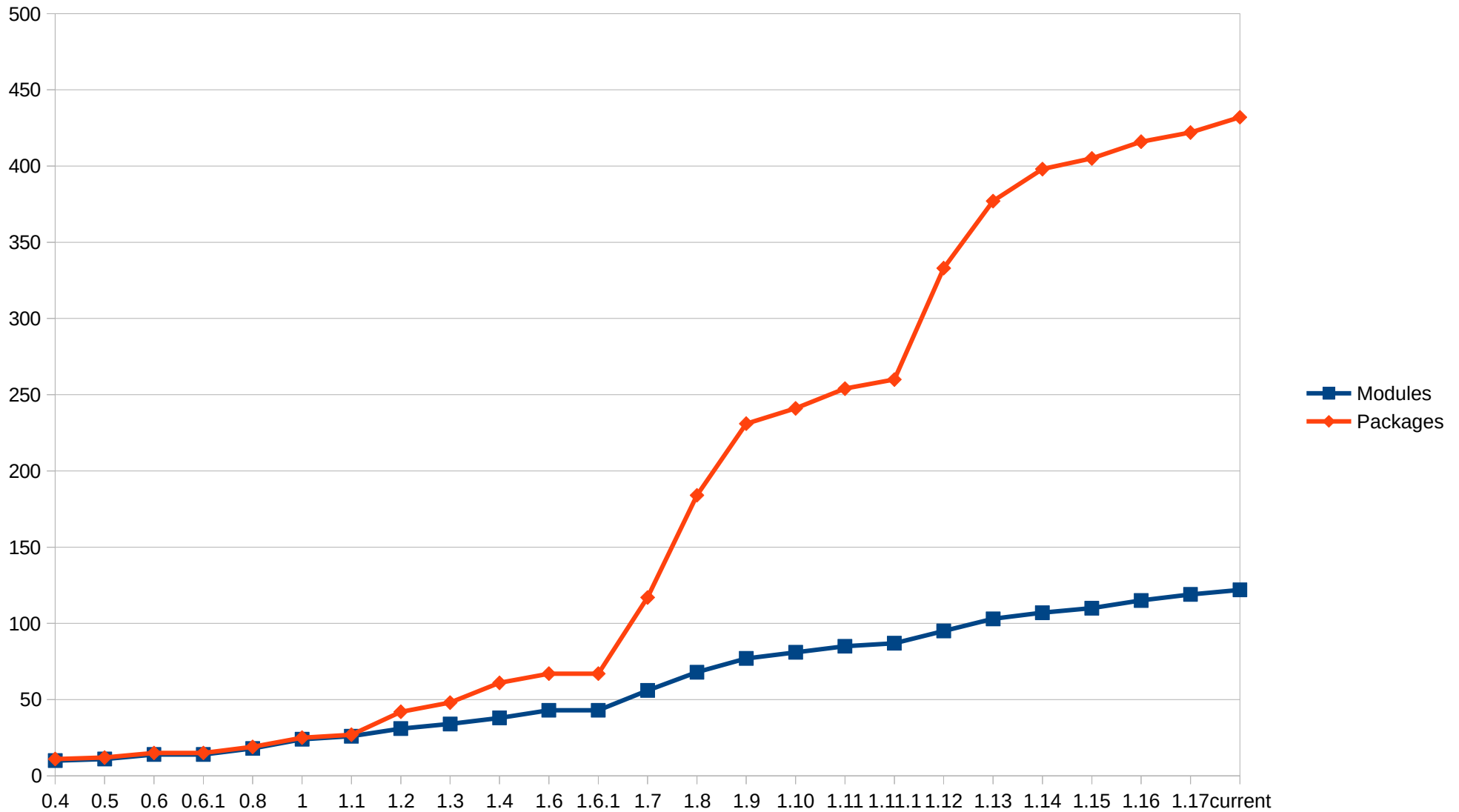
This page was generated in about 0.013s by Fossil version [f8e26879ac] 2015-07-27 16:16:36

# Tcllib – Past

- 14.5 years.
- 1<sup>st</sup> commit – Feb 24, 2000, Eric Melski
- 1<sup>st</sup> package – Profiler
  - 1 file implementation
  - 1 file tests
  - 9 files build system
- Now 2015, 19 releases (not counting 0.x)
  - 122 modules, 432 packages

# Tcllib – Past

- Release History





# Tcllib – Present

Crypto	aes blowfish des pki rc4
Data structures	cache <b>struct</b> tie treeql
Dates	calendar clock
Debugging	debug log profiler
Documentation	<b>doctools*</b> dtplite
Encodings	asn base32 base64 bee json yaml
File Formats	bibtex csv docstrip exif gpx inifile jpeg png rcs nmea tar tiff zip
Files & Channels	fileutil fumagic virtchannel_*
Hashes & Checksums	crc md4 md5 md5crypt ripemd otp sha1 soundex
Language extension	control coroutine generator hook interp lambda namespacex ooutil pluginmgr snit stoop try uev
Math	<b>math</b> units
Network & Communication	amazon-s3 comm dns ftp(d) http(d) ident imap4 irc ldap mime multiplexer nettool nns nntp ntp oauth pop3(d) rest sasl smtpd transfer websocket
Parsing	grammar_* <b>page pt</b> wip
Performance	bench
String manipulation	report string stringprep textutil
Web processing	html htmlparse javascript markdown ncgi scgi uri
Miscellaneous	cmdline counter cron map mapproj processman simulation tepam term uuid valtype

# Tcllib – Struct

disjointset	graph + graph::op	list	matrix
pool	prioqueue	record	set
skiplist	stack	tree	

# Tcllib – Math

math	bigfloat	bignum	calculus
calculus::syndiff	constants	complexnumbers	decimal
fourier	fuzzy	geometry	interpolate
linearalgebra	machineparameters	numtheory	optimize
polynomials	rationalfunctions	roman	special
statistics			

# Tcllib – Present

- Issues
  - Not enough maintainers – I do not scale
    - Backpressure against adding more packages
  - C accelerators (Critcl parts) badly known
    - Not part of default build
    - Iffy architecture around coding and use
  - (not enough) Promotion ?
  -

# Tcllib – Present

- For developers
  - Documentation standard
  - Testsuite standard
  - Benchmark standard
  - 
  - Ticket submission, attachments, bundles
  -

# Tcllib – Future

- Criticl parts – Very much unknown – Mostly not installed
- Bloating
  - Resistance to adding more (I do not scale)
  - Splitting off parts ?
  - More maintainers
- Promotion – Blog
- More Intro docs
  - How to get, license, install guide, dev guide
  - Standards (doc, test, perf), submission process