Tcllib – Plumbing There-of

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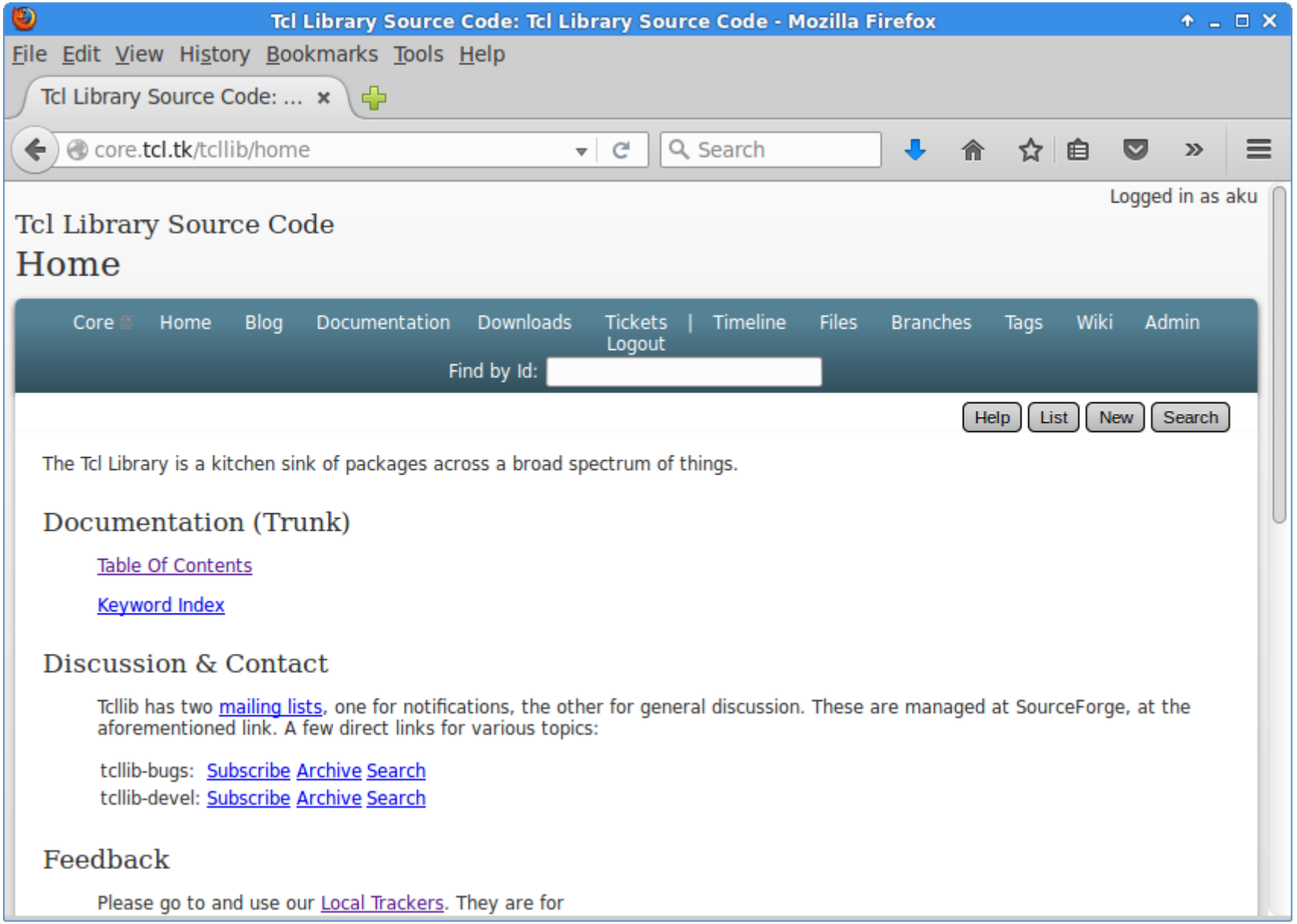
Tcllib – Plumbing There-of

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

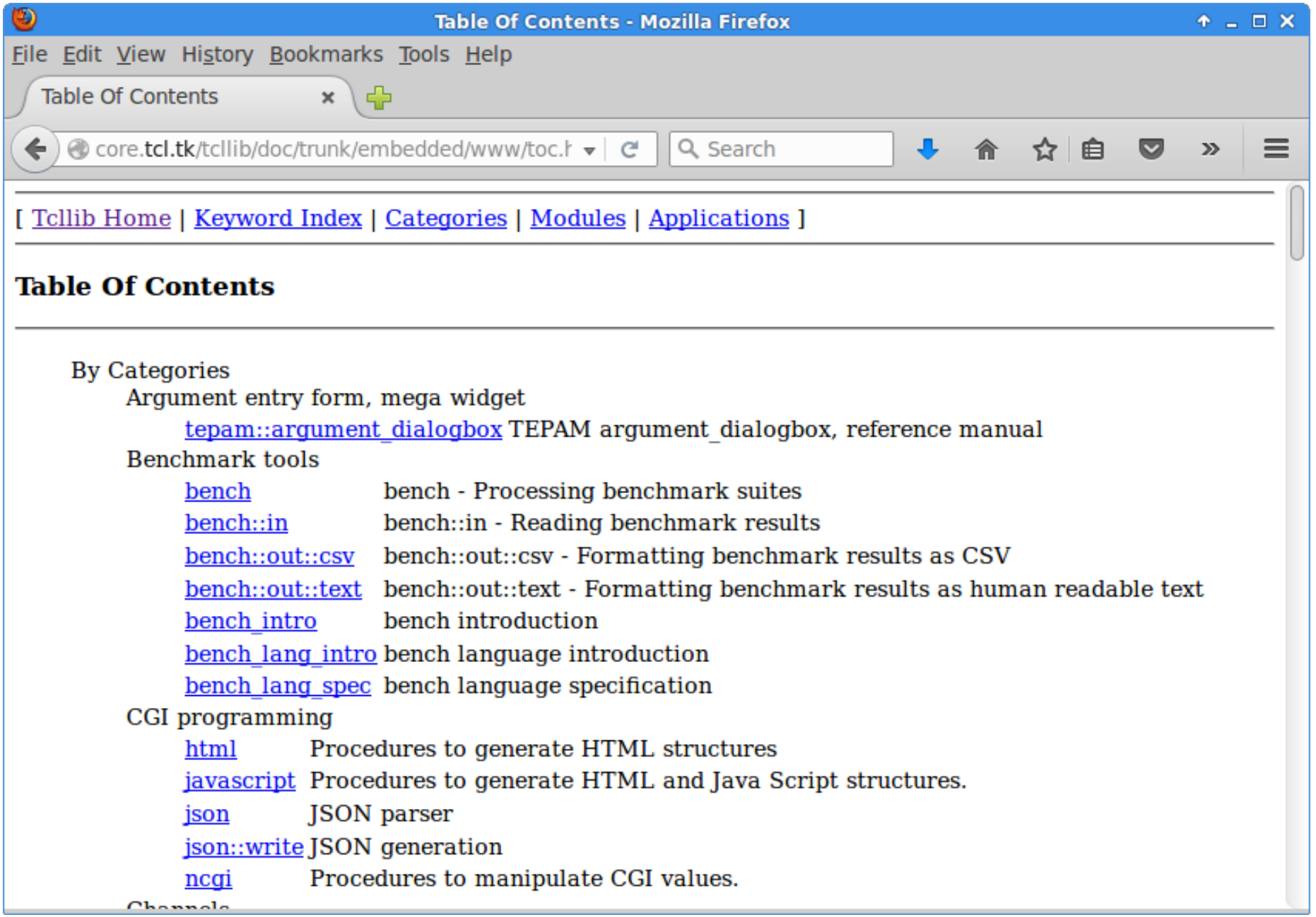
Tcllib – Location

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

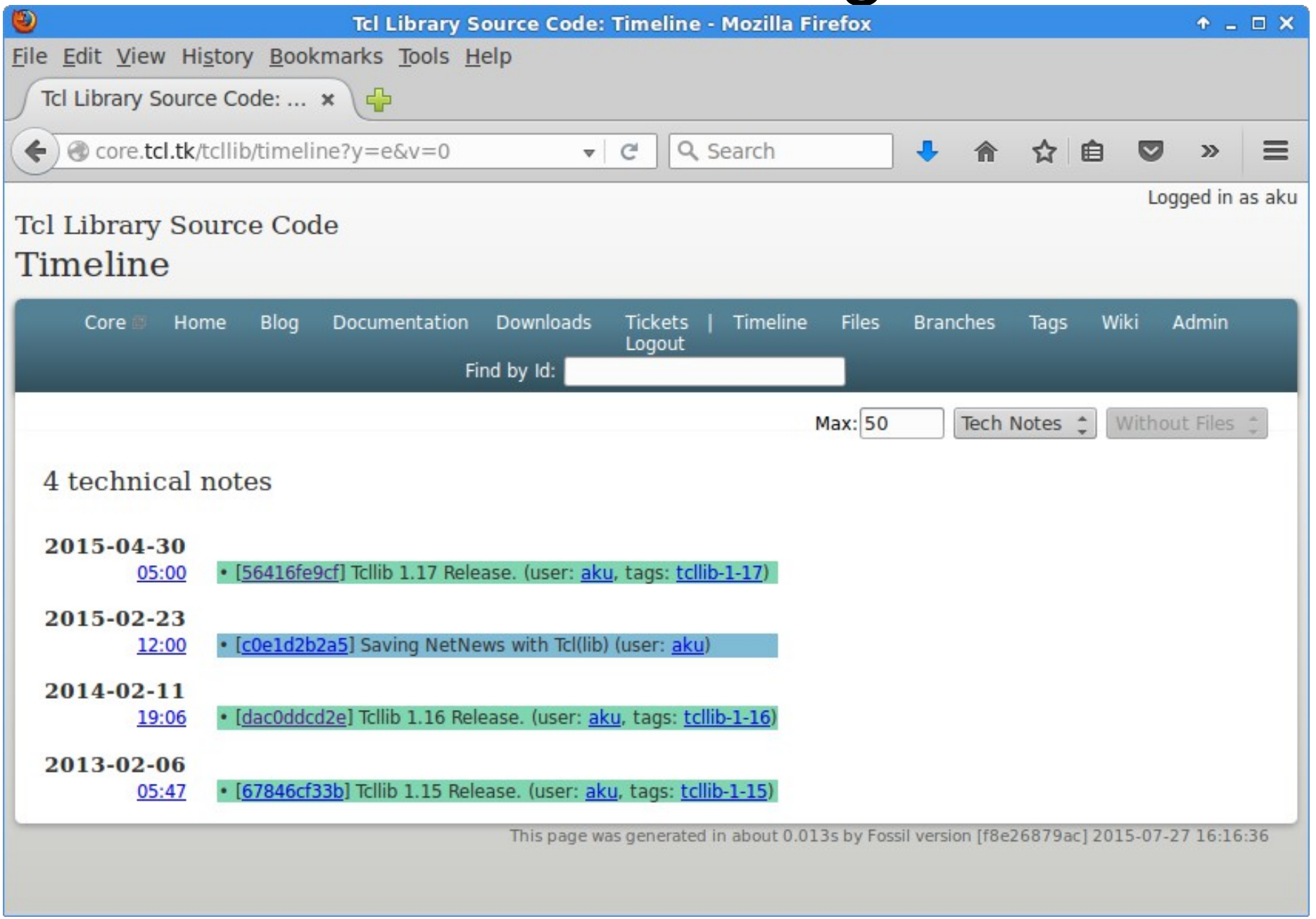
Tcllib – Location



Tcllib – Documentation



Tcllib – Blog


Tcl Library Source Code: Timeline - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Tcl Library Source Code: ...
core.tcl.tk/tcllib/timeline?y=e&v=0
Search
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: 50 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)
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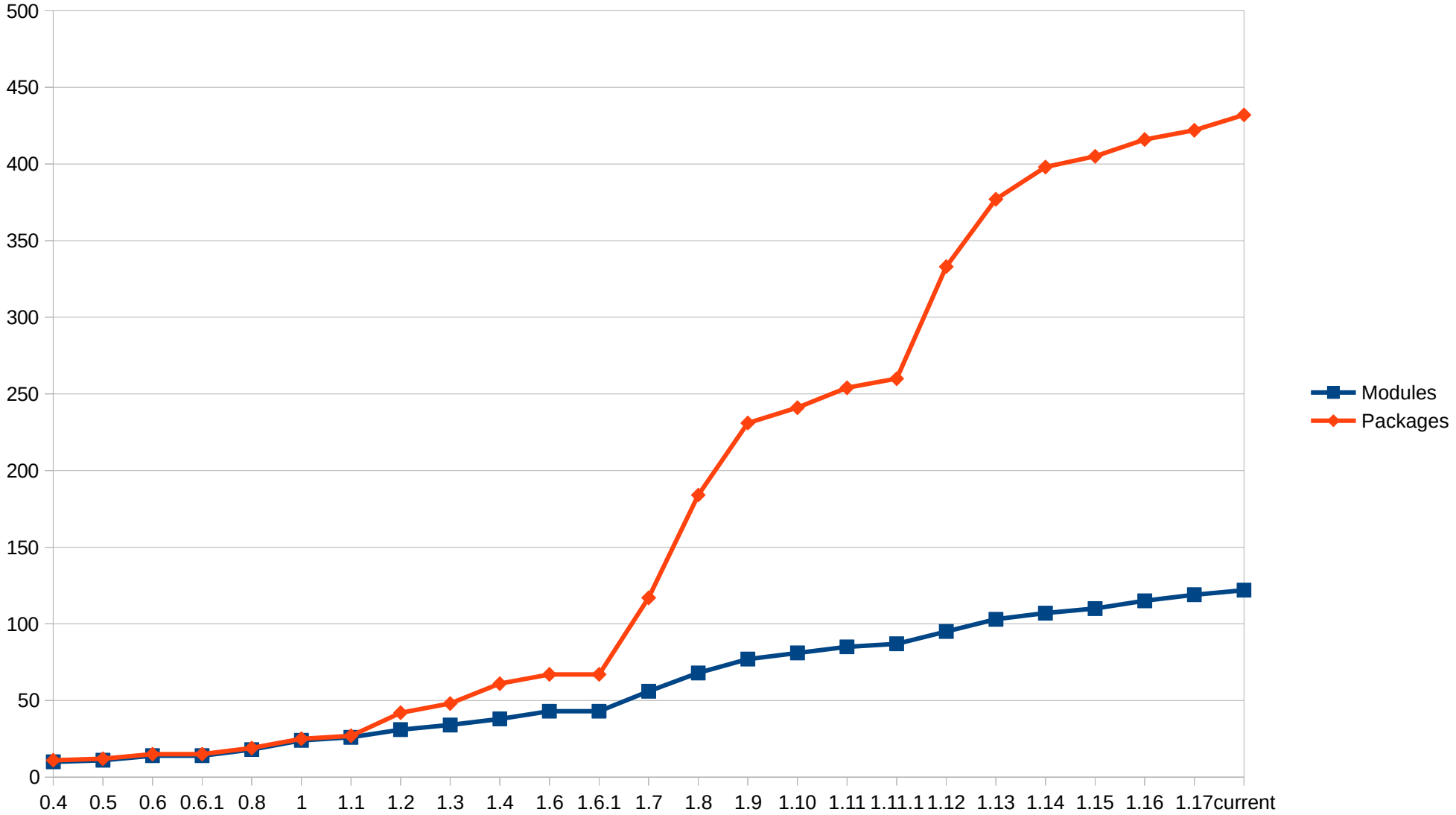
Tcllib – Past

- 14.5 years.
- 1st commit – Feb 24, 2000, Eric Melski
- 1st 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 **struct** tie treeql
Dates	calendar clock
Debugging	debug log profiler
Documentation	**doctools*** 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	**math** 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_* **page pt** 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::symdiff	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

- Critcl 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