Tcllib – Plumbing There-of

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22th Annual Tcl Conference
Comfort Suites Manassas, Manassas, Virginia
Oct 19 – Oct 23 2015
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

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

Documentation (Trunk)

Table Of Contents
Keyword Index

Discussion & Contact

Tclib 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

Table Of Contents

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
    `ncoli` Procedures to manipulate CGI values.

Channels
Tcllib – Blog

Tcl Library Source Code: Timeline - Mozilla Firefox

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  
[0e1d2b2a5] Saving NetNews with Tcl(lib) (user: aku)

2014-02-11 19:06  
[0d0ddcd2e] Tcllib 1.16 Release. (user: aku, tags: tcllib-1-16)

2013-02-06 05:47  

This page was generated in about 0.013s by Fossil version [f8e26879ac] 2015-07-27 16:16:36
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
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<th>Category</th>
<th>Packages</th>
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<td>aes, blowfish, des, pki, rc4</td>
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<td><strong>Data structures</strong></td>
<td>cache, struct, tie, treeql</td>
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<td><strong>Dates</strong></td>
<td>calendar, clock</td>
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<td><strong>Debugging</strong></td>
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<td>doctools*, dtplite</td>
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<td><strong>Encodings</strong></td>
<td>asn, base32, base64, bee, json, yaml</td>
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<td><strong>File Formats</strong></td>
<td>bibtex, csv, docstrip, exif, gpx, inifile, jpeg, png, rcs, nmea, tar, tiff, zip</td>
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<td><strong>Files &amp; Channels</strong></td>
<td>fileutil, fumagic, virtchannel_*</td>
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<td><strong>Hashes &amp; Checksums</strong></td>
<td>crc, md4, md5, md5crypt, ripemd, otp, sha1, soundex</td>
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<td><strong>Language extension</strong></td>
<td>control, coroutine, generator, hook, interp, lambda, namespacex, ooutil, pluginmgr, snit, stoop, try, uev</td>
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<td><strong>Math</strong></td>
<td>math, units</td>
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<td><strong>Network &amp; Communication</strong></td>
<td>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</td>
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<td><strong>Parsing</strong></td>
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<td><strong>Performance</strong></td>
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<td><strong>String manipulation</strong></td>
<td>report, string, stringprep, textutil</td>
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<td><strong>Web processing</strong></td>
<td>html, htmlparse, javascript, markdown, ncgi, scgi, uri</td>
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<td>cmdline, counter, cron, map, mapproj, processman, simulation, tepam, term, uuid, valtype</td>
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<td>Graph + Graph::op</td>
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<tr>
<td>Pool</td>
<td>Priorqueue</td>
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<td>Skiplist</td>
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# Tcllib – Math

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<td>statistics</td>
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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