

The (Active)State of Tcl

22nd Annual Tcl Conference

Brad Harder, Lead Language Developer - Tcl

ActiveState Software, Inc.



ActiveState[®]

Outline

Introduction

The (Active)State

Tcl in Review

About ActiveState

Founded in 1997, ActiveState is a global leader in software application development and management solutions.

ActiveState[®]



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Founded in 1997, ActiveState is a global leader in software application development and management solutions.

16+ years focusing on open source dynamic languages.

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16+ years focusing on open source dynamic languages.

Especially Perl.

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Especially Perl, and Python, and Tcl.

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About ActiveState

We support multiple languages across multiple platforms.

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Including AIX, HP-UX, Linux, MacOS X, Solaris, and Windows.

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We support multiple languages across multiple platforms.

Including AIX, HP-UX, Linux, MacOS X, Solaris, Windows, and NetBSD?

About ActiveState

ActiveState assists in the development, management, and distribution of dynamic languages to 97% of the Fortune 1000 Companies.

ActiveState[®]



ActiveTcl Online

ActiveTcl

The screenshot shows the ActiveTcl website homepage. At the top, there is a navigation bar with the ActiveState logo and links for Developer Tools, Languages (highlighted), Support, and Blog. On the right side of the navigation bar, there are links for Sign In, Store, Contact Us, and Search. Below the navigation bar, the main header features the ActiveTcl logo on the left and two prominent buttons: 'Download Now' and 'Request More Information'. The main content area is divided into two columns. The left column contains a list of products: ActivePerl, ActivePython, ActiveTcl (with a red arrow pointing right), and Compare Editions. The right column contains text describing ActiveTcl Business and Enterprise Editions, including their benefits and a link to a 'Compare Editions chart'. Below this text, there is a section titled 'Tested, Timely and Compatible' with a sub-section for the Business Edition, which includes an image of the product box and a price tag of \$999 US.

www.activestate.com/activetcl

ActiveState Developer Tools Languages Support Blog Sign In Store Contact Us Search

ActiveTcl

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[Request More Information](#)

- ActivePerl
- ActivePython
- ActiveTcl** >
- Compare Editions

ActiveTcl Business and Enterprise Editions include our precompiled, supported, quality-assured Tcl distribution used by millions of developers around the world for easy Tcl installation and quality-assured code. When you're using Tcl on production servers or mission-critical applications, ActiveTcl Business Edition and Enterprise Editions offer significant time savings over open source Tcl for installing, removing, upgrading, and managing common Tcl modules.


If you are using ActiveTcl for production, redistribution, on terminal servers, for thin client for app deployment (i.e. on MS Terminal Services, Citrix XenApp or File Servers), or for use on HP-UX/AIX/Solaris then ActiveTcl Community Edition is not the right license for you. Please [contact us](#) for Business Edition or Enterprise Edition options.

Not sure which edition is right for you? Check out our [Compare Editions chart](#).

Tested, Timely and Compatible

Save time in your development cycles by starting with a precompiled Tcl distribution for out-of-the-box installation and standardization across the operating systems you rely on, including Windows, Linux and Mac OS X (as well as Solaris, AIX, and HP-UX in Enterprise Edition). Develop once and deploy successfully across your production environment.

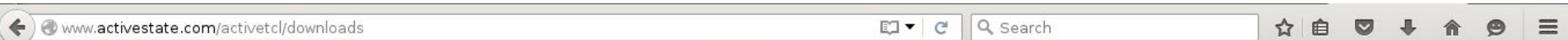
ActiveTcl Business and Enterprise Editions include:



Business \$999 US

ActiveTcl Online

ActiveTcl 1-click Download



ActiveState

Developer Tools

Languages

Support

Blog

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Download Tcl: ActiveTcl Community Edition

Forums

Resources

Professional Services

Commercial Support

FAQs

Code Recipes

ActiveTcl is the leading commercial-grade distribution of the open source Tcl programming language. Download ActiveTcl Community Edition for your development projects and internal deployments.

If you are using ActiveTcl for production, redistribution, on terminal servers, for thin client for app deployment (i.e. on MS Terminal Services, Citrix XenApp or File Servers), or for use on HP-UX/AIX/Solaris then ActiveTcl Community Edition is not the right license for you. Please [contact us](#) for Business Edition or Enterprise Edition options.

By downloading ActiveTcl Community Edition, you comply with the terms of use of the [ActiveState Community License](#). Please refer to our [documentation](#) for install/uninstall instructions.

Need Tcl on production servers or access to older releases?

[Learn more about ActiveTcl Business Edition](#)

Need priority support, big iron (HP-UX, Solaris, or AIX), how-to consultation, indemnification, or custom builds?

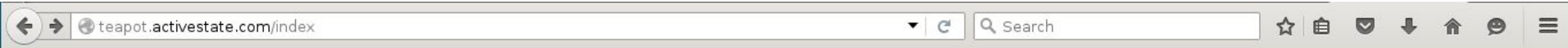
[Learn more about ActiveTcl Enterprise Edition](#)

Plan on redistributing ActiveTcl in your products?

[Learn more about ActiveTcl OEM Licensing](#)

ActiveTcl Online

ActiveTcl 934 Toplevel Teapot entries...



List of all entities

- [accesscontrol](#)
- [ActiveState::ActiveTcl84](#)
- [ActiveState::ActiveTcl85](#)
- [ActiveState::ActiveTcl85Fat](#)
- [ActiveState::ActiveTcl86](#)
- [ActiveState::ActiveTcl86Fat](#)
- [ActiveState::ActiveTcl::Basekits84](#)
- [ActiveState::ActiveTcl::Basekits85](#)
- [ActiveState::ActiveTcl::Basekits86](#)
- [activestate::activetcl::demos](#)
- [addressbook](#)
- [addressbook-contribs](#)
- [addressbook-extras](#)
- [addressbook-help](#)
- [addressbook-source](#)
- [aes](#)
- [appstorereceipt](#)
- [aquahig](#)
- [ascii85](#)
- [asn](#)
- [autoconnect](#)
- [autoproxy](#)
- [autoscroll](#)
- [Banking](#)
- [base-tcl](#)
- [base-tcl-thread](#)
- [base-tk](#)

ActiveTcl Online

ActiveTcl 934 Toplevel Teapot entries... up from 902 in 2014.



List of all entities

- [accesscontrol](#)
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- [ActiveState::ActiveTcl::Basekits86](#)
- [activestate::activetcl::demos](#)
- [addressbook](#)
- [addressbook-contribs](#)
- [addressbook-extras](#)
- [addressbook-help](#)
- [addressbook-source](#)
- [aes](#)
- [appstorereceipt](#)
- [aquahig](#)
- [ascii85](#)
- [asn](#)
- [autoconnect](#)
- [autoproxy](#)
- [autoscroll](#)
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- [base-tcl](#)
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- [base-tk](#)

ActiveTcl Online

Currently shipping based on Tcl 8.6.4

Tcl Dev Kit (TDK)

Shipping 5.4.1

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All the essential Tcl tools for development:

Tcl Dev Kit (TDK)

Shipping 5.4.1

All the essential Tcl tools for development:

Debugger - source level debugger with GUI

Tcl Dev Kit (TDK)

Shipping 5.4.1

All the essential Tcl tools for development:

- Debugger - source level debugger with GUI

- Checker - find errors without running applications

Tcl Dev Kit (TDK)

Shipping 5.4.1

All the essential Tcl tools for development:

- Debugger - source level debugger with GUI

- Checker - find errors without running applications

- TclApp - create single-file executables of Tcl applications

Tcl Dev Kit (TDK)

Shipping 5.4.1

All the essential Tcl tools for development:

Debugger - source level debugger with GUI

Checker - find errors without running applications

TclApp - create single-file executables of Tcl applications

Compiler - protect your source code

Tcl Dev Kit (TDK)

Shipping 5.4.1

All the essential Tcl tools for development:

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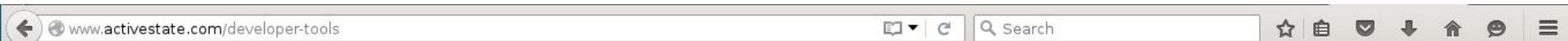
Checker - find errors without running applications

TclApp - create single-file executables of Tcl applications

Compiler - protect your source code

And more - code coverage, hotspots, inspector

Komodo IDE



ActiveState

Developer Tools

Languages

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Developer Tools

Dynamic Tools for Dynamic Languages



[Komodo IDE](#) | [Komodo Edit](#) | [Perl Dev Kit](#) | [Tcl Dev Kit](#) | [Pro Studio](#)

Professional Dev Tools

ActiveState's developer tools are trusted worldwide for their quality, usability and support for the latest web technologies.

[Buy Online](#)



Komodo IDE

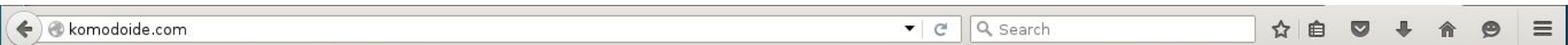
Multi-language IDE for professional developers



Perl Dev Kit (PDK)

Deployment and productivity tools for Perl applications

Komodo IDE



HOME FEATURES PACKAGES COMMUNITY ▾ TRY BUY & UPGRADE

Komodo 9 Released: Better, Faster, Stronger!

Cross-Platform IDE for all your major languages,
including [Python](#), PHP, Go, [Perl](#), Tcl, Ruby, NodeJS, HTML, CSS, JavaScript [and more](#)



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21 day fully functional trial



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choose the right license for you

Just want the basics? Check out [Komodo Edit](#).

Komodo IDE

Shipped 9.2.1 July

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Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

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Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

Professional IDE for dynamic languages

Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

Professional IDE for dynamic languages

Integration with TDK

Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

Professional IDE for dynamic languages

Integration with TDK

Unique Tcl editing features...

Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

Professional IDE for dynamic languages

Integration with TDK

Unique Tcl editing features... and support for Perl,
Python, PHP, Ruby, JS, Go, ...

Komodo IDE

Shipped 9.2.1 July

Shipping 9.3 November

Professional IDE for dynamic languages

Integration with TDK

Unique Tcl editing features... and support for Perl,
Python, PHP, Ruby, JS, Go, ...

Cross-platform (Windows, Linux, MacOS X)

Komodo IDE

9.2.1 Features

Code refactoring

Komodo IDE

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Code refactoring

Code collaboration (think: Google Docs for code)

Komodo IDE

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Code refactoring

Code collaboration (think: Google Docs for code)

Multi-system preferences synchronization

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PHP and Python code profiling

Komodo IDE

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Code refactoring

Code collaboration (think: Google Docs for code)

Multi-system preferences synchronization

PHP and Python code profiling

...and more. <http://komodoide.com>

ActiveState and Tcl

ActiveState participates in the Tcl community by...

Improvements to open source Tcl core (current and emeritus staff (Jeff, Andreas) with commit bits or Tcl Core Team membership)

Host of Tcl Developer Xchange - <http://www.tcl.tk>

Enterprise support infrastructure - ActiveTcl Business and Enterprise Editions

Professional Services for Tcl

ActiveState and Tcl

ActiveState participates in the Tcl community by...

Providing high quality development tools...

ActiveState and Tcl

ActiveState participates in the Tcl community by...

Providing high quality development tools...

ActiveTcl (“Batteries Included” free distribution)

Komodo IDE (professional IDE with extensive Tcl support)

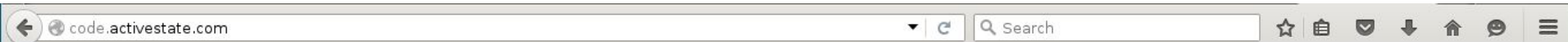
Tcl Dev Kit (essential tools for Tcl programmers)

ActiveState and Tcl

ActiveState participates in the Tcl community by...

Providing treats (Clif Flynt is the bearer of treats this week, details to be announced).

ActiveState and Tcl



ActiveState Code – Learn. Share. Get stuff done.

- Recipes
- Mailing List Archives
- PPM Index
- PyPM Index
- Komodo Bits

Recipes »

Home of the Python Cookbook (and other languages).
4861 snippets to learn from and use.

Search the recipes or add your own.

Interesting

- Python 3 recipes
- Top-rated Recipes
- Raymond Hettinger's Recipes

The O'Reilly Python Cookbook

- 1st Edition
- 2nd Edition

Popular Recipes

- Simple video with ctypes an... (Python)
- Simple audio with ctypes an... (Python)
- high precision FPS (Python)
- How a Python function can f... (Python)
- simplify webpage (Python)
- more...

Mailing List Archives »

Fast, no-nonsense archives of important mailing lists in the dynamic language communities.

Search the archives or browse individual lists.

Popular Lists

- perl-win32-users
- python-dev
- php-announce
- ruby-talk
- tcl-core
- more...

Lists by Language

- Perl
- Python
- PHP
- Ruby
- Tcl
- more...

PPM Index »

The Perl Package Manager for ActivePerl provides quick



PyPM Index »

The Python Package Manager for ActivePython provides quick



Komodo Bits »

(A start at) a place to get bits to get the most out of Komodo.



ActiveState and Tcl

code.activestate.com/recipes/langs/tcl/

ActiveState Community | Code | Docs | Downloads | more

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ActiveState Code » Recipes

Add a Recipe Languages Tags Authors Sets

Popular Tcl recipes

Tags:

Recipe 1 to 20 of 160 < Prev 1 2 3 4 5 6 7 8 Next >

- 1k** views **1** score **A Simple Calculator**
Tcl / `calculator` , `gui` / by Mike Manilone (1 year ago)
- 701** views **1** score **Stopwatch in 26 lines**
Tcl / `gui` , `time` / by Mike Manilone (1 year ago)
- 961** views **1** score **Track Debug Package argument(s) are option(s) and/or a debug message to be saved to a file**
Tcl / `debugging` , `pdisplay` , `ptrack` , `trace` , `track` , `trackst` / by Bert Byfield (1 year ago)
- 1k** views **1** score **Poker hand calculation and comparison**
Tcl / `poker` / by Magnus Åhman (2 years ago, revision 2)
- 2k** views **1** score **Sample script for TCL socket load distribution across many CPUs / hosts**
Tcl / `distribution` , `load` , `socket` , `tcl` / by John Broderick (2 years ago)

View popular, latest, top-rated or most viewed

Feed of the popular Tcl recipes

Top-rated recipes

- Inserts thousand separators into a... (Tcl)
- Repeat procedure every X seconds (Tcl)
- iTunes control (Tcl)
- Pronouncable password generator (Tcl)
- WSCP - showServerStatus (Tcl)
- Check creditcard numbers for wellf... (Tcl)
- Inline GIF image into code (Tcl)
- Flexible string splitting/parsing ... (Tcl)
- Multi-character split (Tcl)
- Add Commas to a Number (Tcl)

Tcl tags

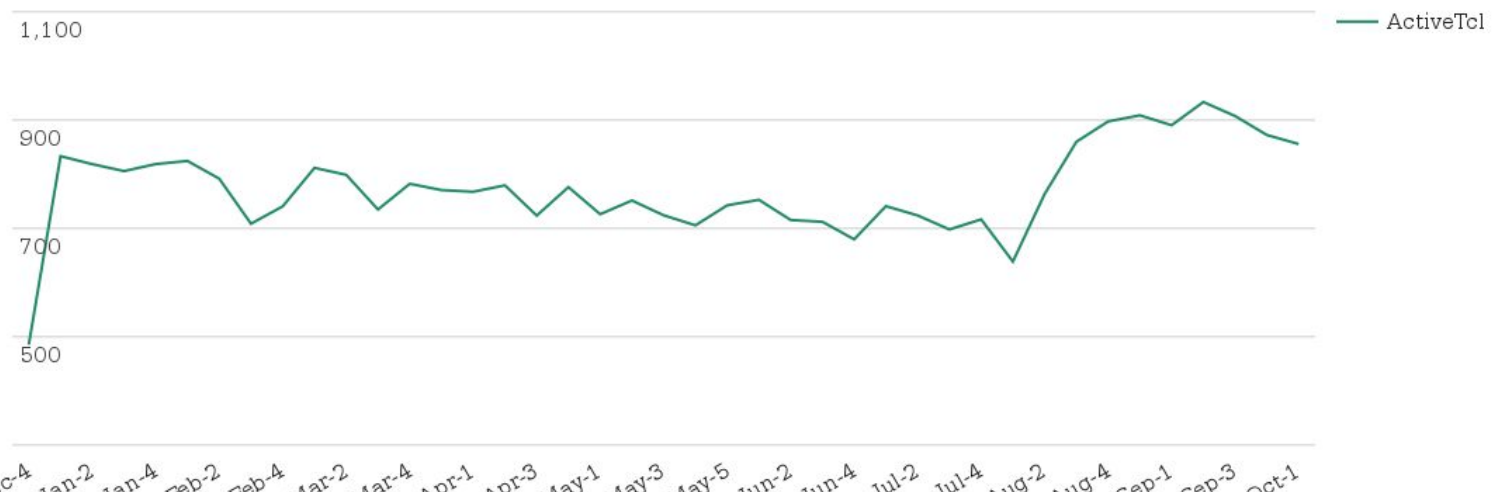
- binding database more...
- datastructures debugging dis
- distributed graphics gui ides math

ActiveState and Tcl

ActiveTcl Total Downloads (2015)

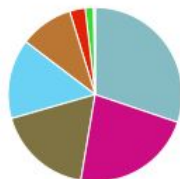
all 2006 2007 2008 2009 2010 2011 2012 2013 2014 **2015** Aug '15 Sep '15 Oct '15

Daily Averages per Week



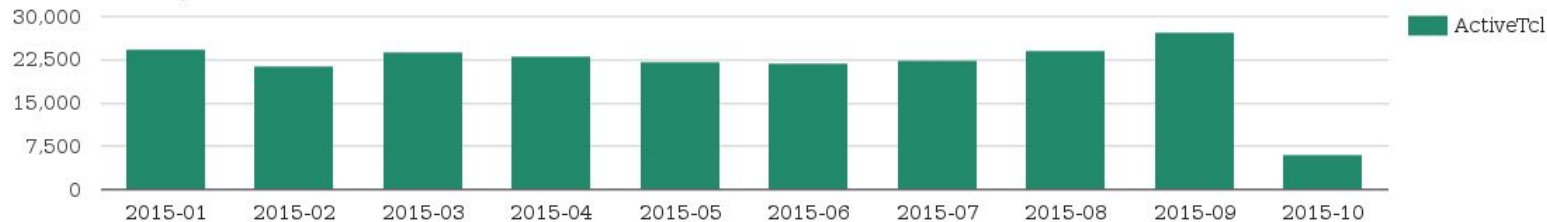
ActiveState and Tcl

Version Breakdown

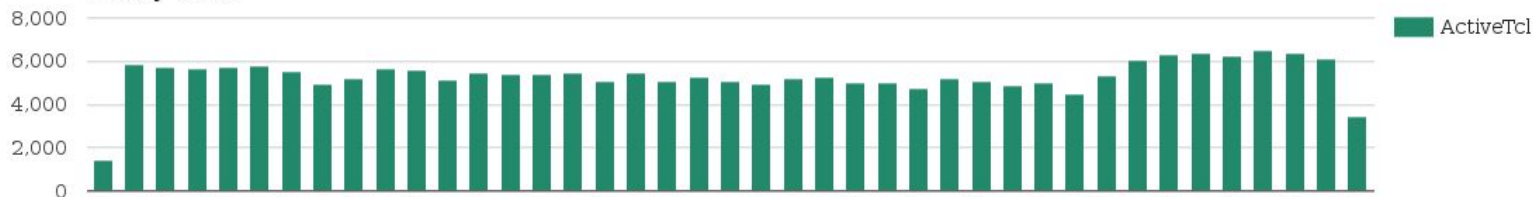


8.6.3.1 8.6.4.1 8.6.4.0 8.5.18.0 8.5.17.0 8.5.16.0 8.6.3.0 Other

Monthly Totals



Weekly Totals

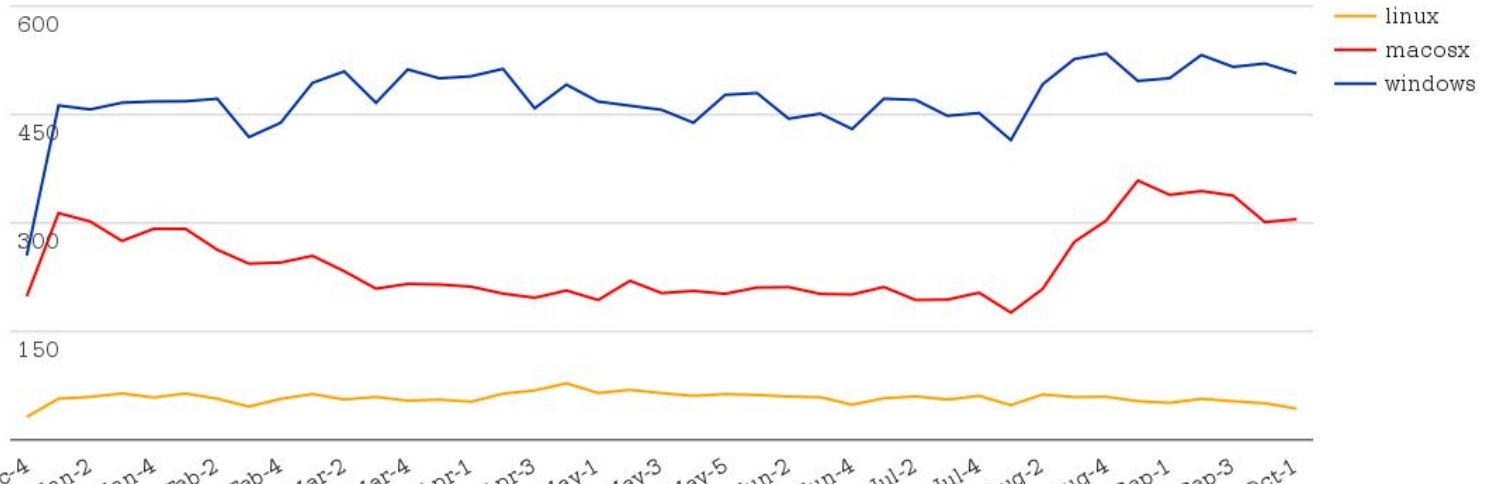


ActiveState and Tcl

ActiveTcl Downloads by Platform (2015)

all 2006 2007 2008 2009 2010 2011 2012 2013 2014 **2015** Aug '15 Sep '15 Oct '15

Daily Averages per Week



Tcl

Shipping 8.6.4

~520 commits applied in Fossil (in all branches) so far in 2015

~760 ticket events

4 TIPs proposed

1 excited ActiveState enthusiastic to play hard again with Tcl

ActiveState

ActiveState had been focussed intensely on a private PaaS solution for the last 4 years

This attracted attention in the industry

Attention turned to “like”.

“Like” turned to “love”, and then HP purchased the operation outright.

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ActiveState[®]

ActiveState 2016

ActiveState is now able to focus solely on the core tools and languages that *it* loves. Like Komodo, and its familiar dynamic languages.

And Tcl is front and center.