

# (CPAN Testers)++

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# What's going on in CPAN Testers?

- Growing ecosystem
- Failing with success
- Version 2.0 beta

# Testers ecosystem

- Notifications
- Visualizations
- Analysis

# Dependency tree

(Get results in XML)

- 0.	<a href="#">Web::Simple</a>	S B R D		86 PASSEs, 0 UNKNOWNs, 0 FAILs, 12 NAs
- 1.	<a href="#">ExtUtils::MakeMaker</a>	S B R D		548 PASSEs, 0 UNKNOWNs, 9 FAILs, 0 NAs
2.	<a href="#">Data::Dumper</a>	S B R D		Core module
- 3.	<a href="#">File::Spec</a>	S B R D		546 PASSEs, 5 UNKNOWNs, 2 FAILs, 0 NAs
- 4.	<a href="#">Scalar::Util</a>	S B R D		304 PASSEs, 2 UNKNOWNs, 2 FAILs, 0 NAs
- 5.	<a href="#">Test::More</a>	S B R D		754 PASSEs, 5 UNKNOWNs, 1 FAIL, 0 NAs
6.	<a href="#">Test::Harness</a>	S B R D		430 PASSEs, 1 UNKNOWN, 9 FAILs, 0 NAs
7.	<a href="#">File::Path</a>	S B R D		Core module
8.	<a href="#">Test</a>	S B R D		Core module
9.	<a href="#">File::Basename</a>	S B R D		Core module
- 10.	<a href="#">Pod::Man</a>	S B R D		259 PASSEs, 0 UNKNOWNs, 0 FAILs, 0 NAs
- 11.	<a href="#">Pod::Simple</a>	S B R D		153 PASSEs, 0 UNKNOWNs, 1 FAIL, 1 NA
12.	<a href="#">Pod::Escapes</a>	S B R D		1215 PASSEs, 3 UNKNOWNs, 0 FAILs, 0 NAs
13.	<a href="#">Text::Wrap</a>	S B R D		612 PASSEs, 0 UNKNOWNs, 0 FAILs, 0 NAs
14.	<a href="#">constant</a>	S B R D		Core module
	<b>Chance of all tests passing</b>			80% (but <u>note</u> that this doesn't mean much)

deps.cpan testers.org

# Test matrix

## [CPAN Testers Matrix: Capture-Tiny 0.07](#) (latest distribution)

Distribution (e.g. DBI, CPAN-Reporter, YAML-Syck):

CPAN User ID (e.g. GAAS, TIMB, JHI):

You can click on the matrix cells or row/column headers to get the list of corresponding reports.  
Alternative color schemes are available: try *View > Page Style* or *View > Use Style* in your browser.

<a href="#">ALL</a>	<a href="#">MSWin32</a>	<a href="#">cygwin</a>	<a href="#">darwin</a>	<a href="#">freebsd</a>	<a href="#">irix</a>	<a href="#">linux</a>	<a href="#">midnightbsd</a>	<a href="#">netbsd</a>	<a href="#">openbsd</a>	<a href="#">solaris</a>
<a href="#">5.13.0</a>										
<a href="#">5.12.1</a>										
<a href="#">5.12.0</a>										
<a href="#">5.11.5</a>										
<a href="#">5.11.4</a>										
<a href="#">5.11.3</a>										
<a href="#">5.11.2</a>										
<a href="#">5.11.1</a>										
<a href="#">5.10.1</a>										
<a href="#">5.10.0</a>										
<a href="#">5.8.9</a>										
<a href="#">5.8.8</a>										
<a href="#">5.8.7</a>										
<a href="#">5.8.6</a>										
<a href="#">5.8.5</a>										
<a href="#">5.8.3</a>										
<a href="#">5.8.0</a>										
<a href="#">5.6.2</a>										

- [Max version with a PASS](#)

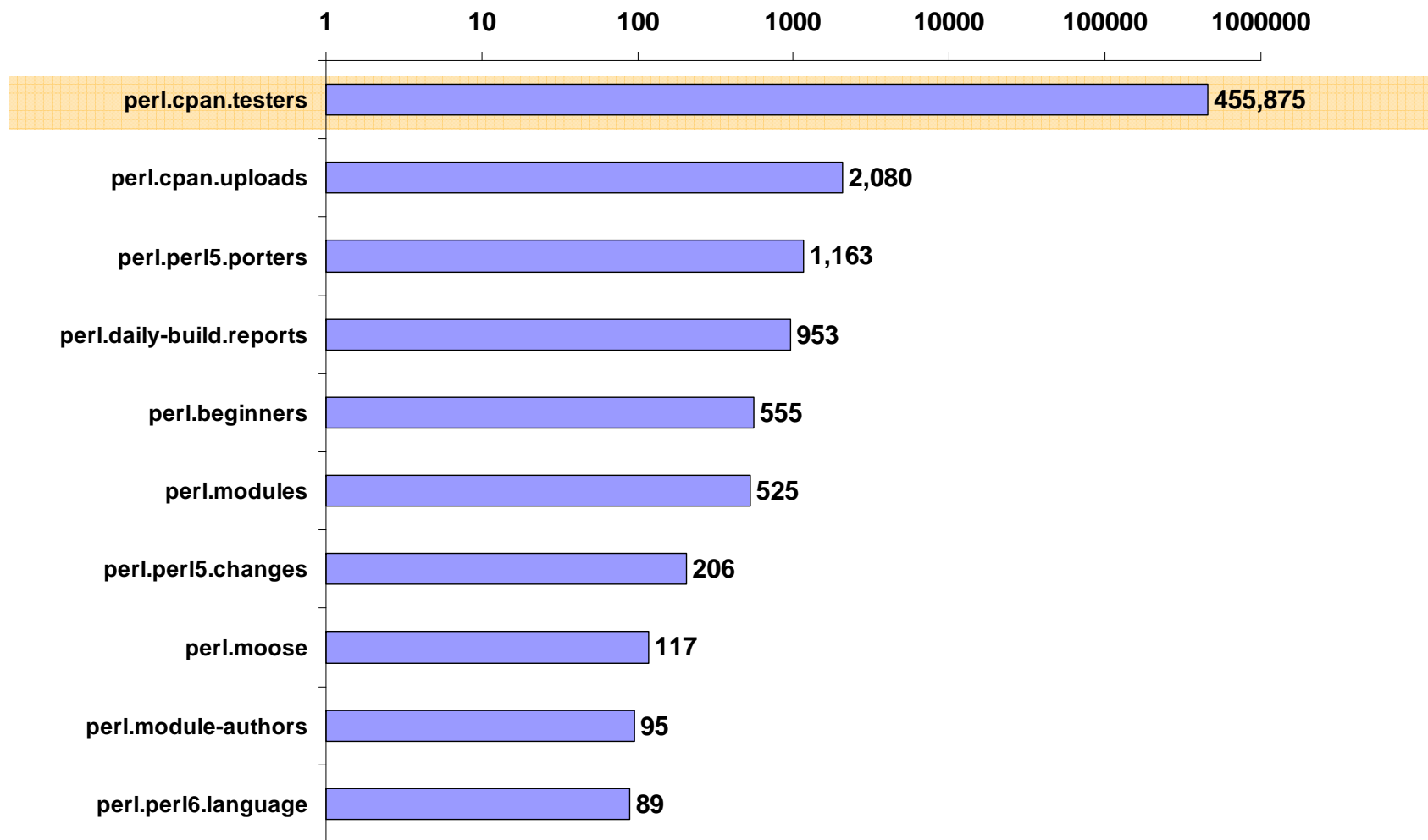
matrix.cpan testers.org

# Analysis

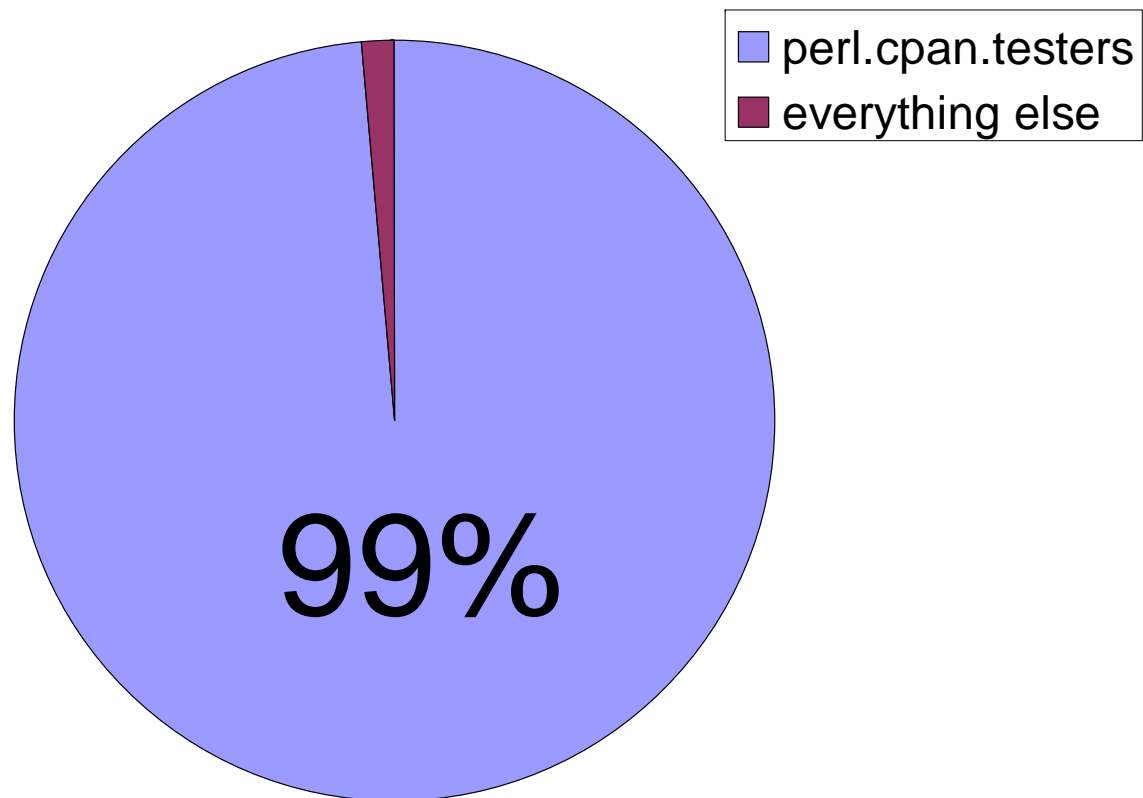
- Andreas König
- Regression analysis – failure correlations
  - OS, architecture, perl version, perl configuration
  - test output, e.g. “failed at line ...”
  - tester, test framework
- Significance levels
- [analysis.cpan testers.org](http://analysis.cpan testers.org) – but offline! ☹

# Success or failure?

November 2009 perl.org mailing list monthly volume

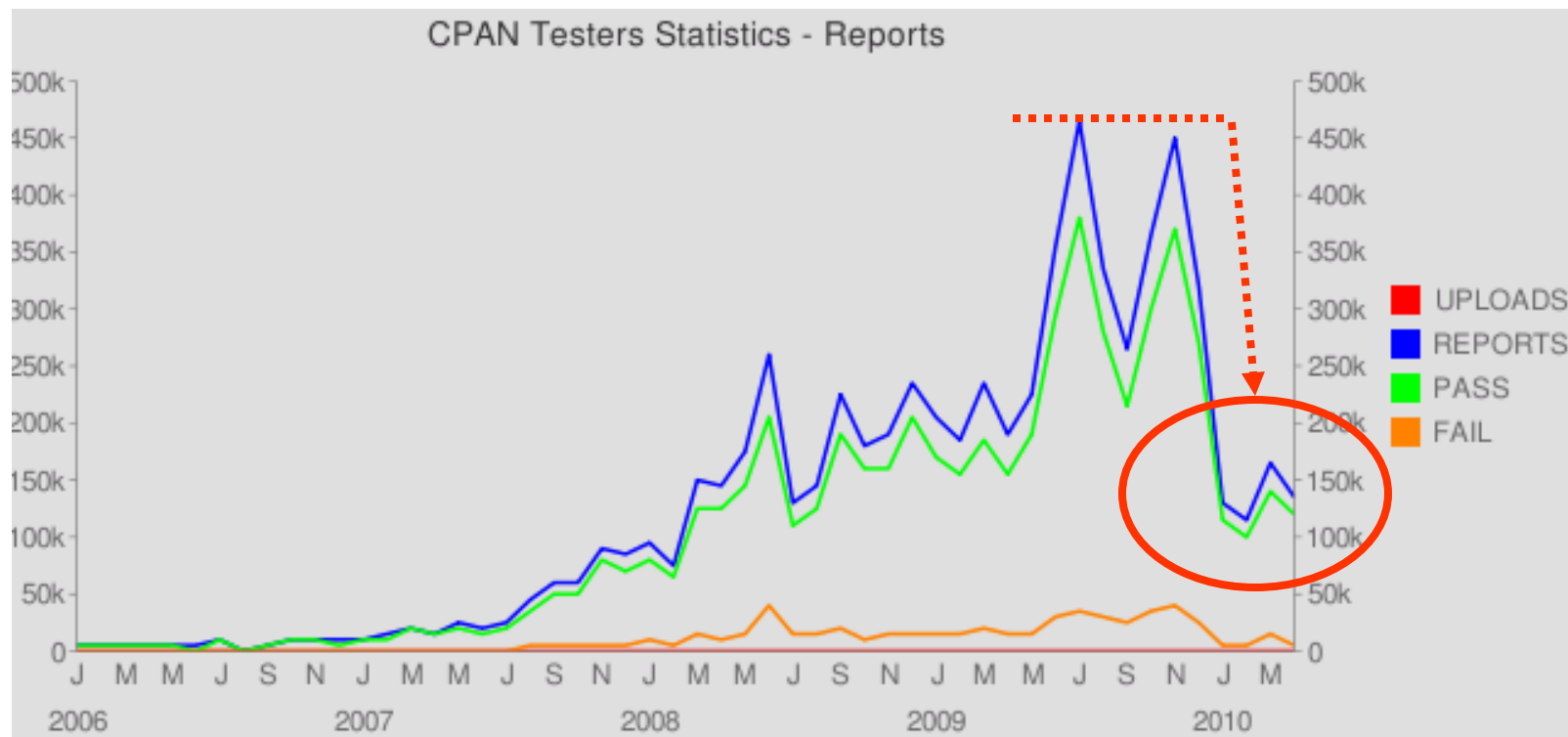


# The way perl.org sees it





# Throttling back



[stats.cpan testers.org](http://stats.cpan testers.org)

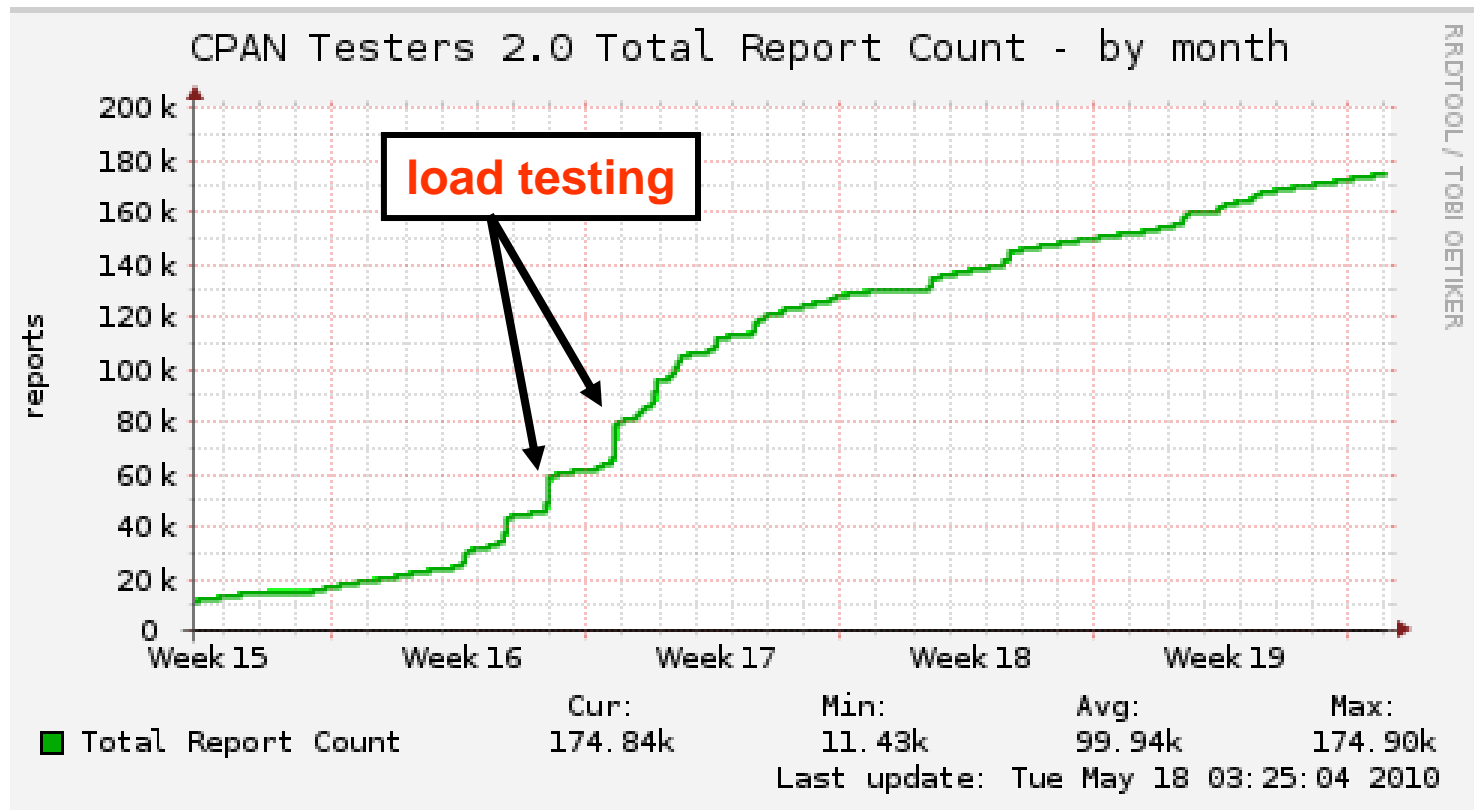
# From 1.0 to 2.0: getting off email

- CPAN Testers 1.0
  - Email transport to NNTP server storage
  - Text reports
- CPAN Testers 2.0
  - Web transport to cloud storage (AWS)
  - Structured data
- Bootstrapping 2.0 with 1.0 clients

# CT 2.0 progress

- work started in January
- 'beta 1' in March
  - design flaws, code bugs, integration
- 'beta 2' in April
  - load testing, report extraction
- 'open beta' soon
- beta reports added to [cpantesters.org](https://cpantesters.org) soon

# Beta 2 volumes



# Code

- Metabase
- Metabase::Web  
(not on CPAN)
- CPAN::Testers::Metabase
- CPAN::Testers::Common::Utils

- Net::Amazon::Config
- Net::Amazon::S3
- SimpleDB::Class
- SimpleDB::Client

- Metabase::Fact
- CPAN::Testers::Report

- Metabase::Client::Simple
- Test::Reporter::Transport::\*
  - \*::Metabase
  - \*::Socket
- App::Metabase::Relayd
- POE::Component::Metabase::\*
  - \*::Client::Submit
  - \*::Relay::Server



Questions?