

State of the Perl Toolchain

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Toolchain:

Tools for downloading, building,
testing and installing Perl modules

(dual-life and popular alternatives)





water pollution: garbage covers a river in Jakarta, Indonesia, Photograph, from Britannica Online for Kids, accessed June 5, 2015, <http://kids.britannica.com/comptons/art-109541>.

Berlin QA Hackathon: CPAN River Analogy

dists on CPAN

deep dependents

~50

10,000+

UP-RIVER

~200

1000 – 9,999

~2,000

10 – 999

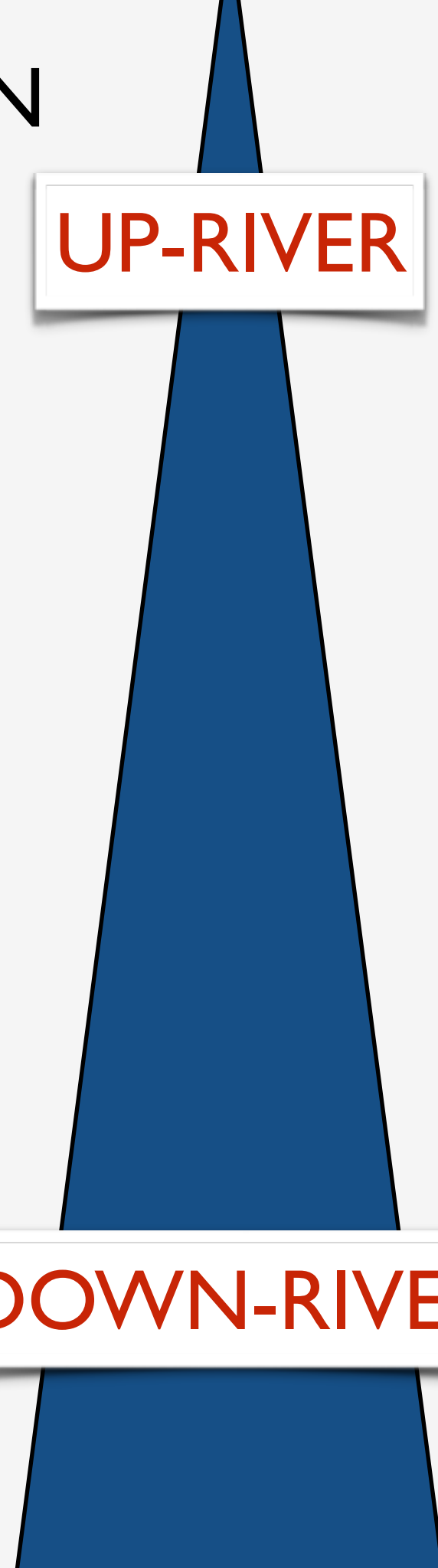
~8,000

1 – 9

~16,000

0

DOWN-RIVER



DarkPAN?



dists on CPAN

dists downriver

~50

10,000+

~200

1000 – 9,999

~2,000

10 – 999

~8,

1 – 9

~16,000

0

OOPS!

DID ANYONE SEE THAT?

dists on CPAN

dists downriver

~50

10,000+

~200

1000 – 9,999

~2,000

10 – 999

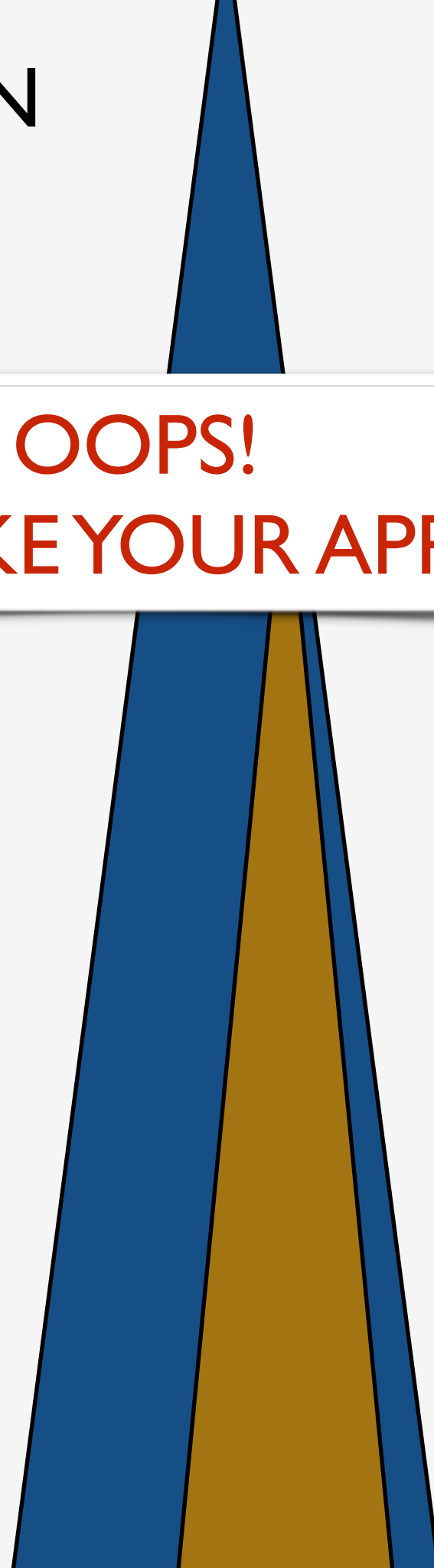
~8,000

1 – 9

~16,000

0

OOPS!
I BROKE YOUR APPS!



Module		Pass rate		Pass	Unknown	Fail	NA
-	Dancer2	Q 最 ✓ ↔ 旗	<div><div></div></div>	7	0	0	0
-	Capture::Tiny	Q 最 ✓ ↔ 旗	<div><div></div></div>	32	0	0	0
-	YAML	Q 最 ✓ ↔ 旗	<div><div></div></div>	42	0	0	0
-	Test::YAML	Q 最 ✓ ↔ 旗	<div><div></div></div>	24	9	0	0
-	File::ShareDir	Q 最 ✓ ↔ 旗	<div><div></div></div>	34	0	0	0
	Class::Inspector	Q 最 ✓ ↔ 旗	<div><div></div></div>	39	0	0	0
	File::ShareDir::Install	Q 最 ✓ ↔ 旗	<div><div></div></div>	28	0	1	0
-	Test::TCP	Q 最 ✓ ↔ 旗	<div><div></div></div>	29	0	5	0
-	Encode::Locale	Q 最 ✓ ↔ 旗	<div><div></div></div>	40	0	4	0
-	Test::Memory::Cycle	Q 最 ✓ ↔ 旗	<div><div></div></div>	19	0	15	0
-	Template	Q 最 ✓ ↔ 旗	<div><div></div></div>	31	0	4	0
	Test::LeakTrace	Q 最 ✓ ↔ 旗	<div><div></div></div>	43	0	0	0
-	AppConfig	Q 最 ✓ ↔ 旗	<div><div></div></div>	31	0	0	0
	Test::Pod	Q 最 ✓ ↔ 旗	<div><div></div></div>	42	0	0	0
	JSON	Q 最 ✓ ↔ 旗	<div><div></div></div>	30	0	0	0
Chance of all tests passing			<div><div></div></div>	26% (note this doesn't mean much)			

dists on CPAN

dists downriver

OMG!
I BROKE CPAN!

~50

10,000+

~200

1000 – 9,999

~2,000

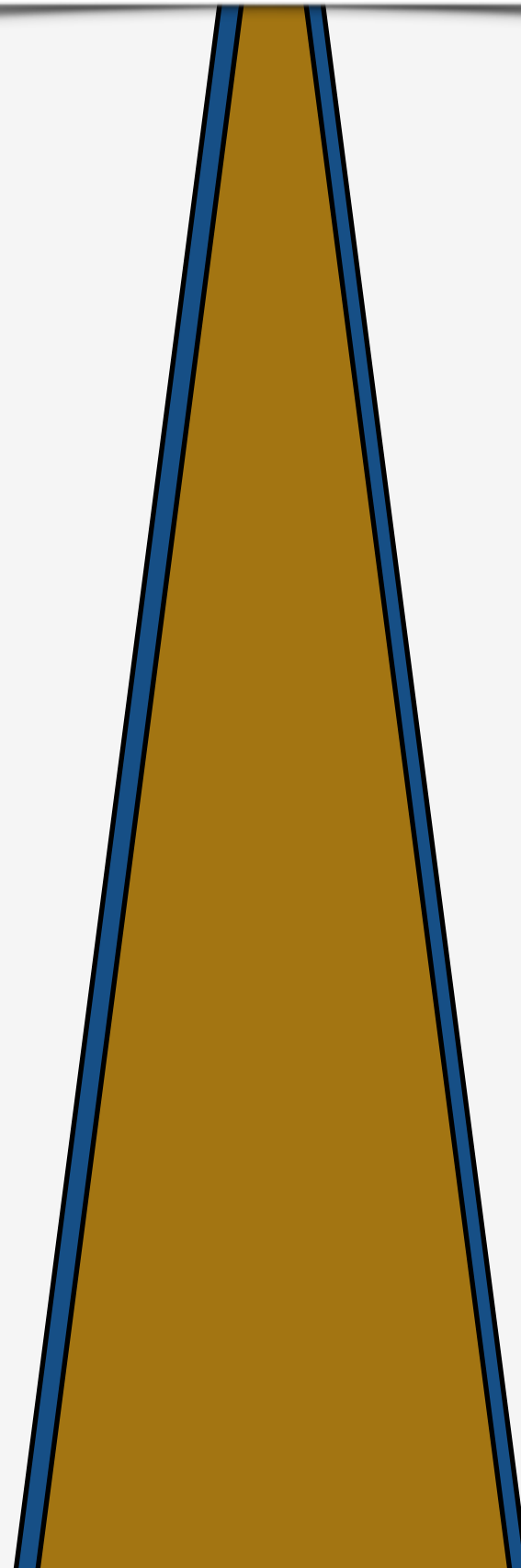
10 – 999

~8,000

1 – 9

~16,000

0





**OMG! I broke Strawberry
Perl Portable!**

Unintended
consequences

**Time to clean
up our river**

Toolchain Charter

1. Support every Perl from 5.8.1

2. More than one maintainer

3. More than one set of eyes on changes before shipping

4. Discuss major changes on the
cpan-workers mailing list

5. Perl pumpking breaks ties

6. Verify stability in some way
before shipping non-alpha

CPAN Testers Matrix: CPAN-Meta-YAML 0.016 (latest distribution)

Distribution (e.g. DBI, CPAN-Reporter, YAML-Syck): CPAN User ID (e.g. TIMB, JHI, ANDK):

You can click on the matrix cells or row/column headers to get the list of corresponding reports.

[illegible]

7. Toolchain authors will jointly
pick successor maintainers

Other changes, now or later

- Now: PAUSE adoption rules
- Later: CPAN Testers: dependency fail reports
- Later: CPAN River statistics for authors

Berlin Consensus

j.mp/cpanriver

