C-Day Is Coming

Elizabeth Mattijsen

24 August 2014

Only 2 months ago!

How the Camel is de-cocooning

Elizabeth Mattijsen

YAPC::NA, 23 June 2014

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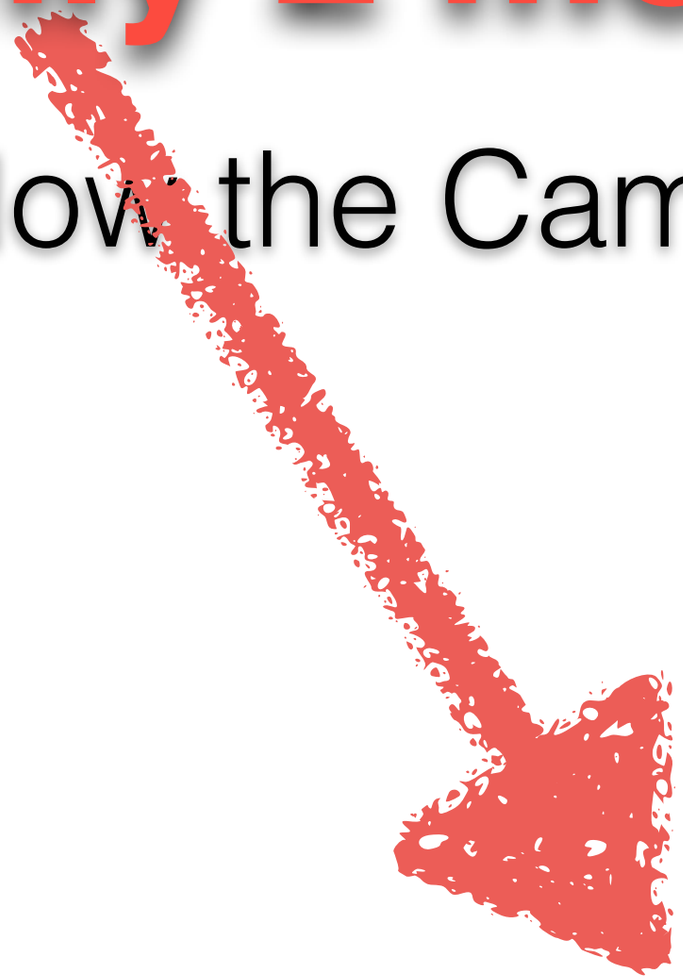

How the Camel is de-cocooning

Elizabeth Mattijsen

YAPC::NA, 23 June 2014

http://www.liz.nl/HowTheCamelIsDe-CocooningYAPCNA.pdf

Things changed faster

- MoarVM speeded up development
- Because it is a lot faster than Parrot
- And it is getting faster still

Many things happened

- GSOC introduced JITting of interpreted code
- Mostly framework for future advances
- But already delivering performance advances
- Cross-pollination with Spesh
- And more people working on this part of Perl 6

Some bad

- After having successful conferences
- Inside and outside the echo chamber
- Some old Perl 5 geezers made themselves heard
- In a very deconstructive way

Some good

- But that gave me the inspiration

- And the strength for this presentation

PERL IS NOT DEAD, IT IS A DEAD END

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PERL 5 IS NOT DEAD, IT IS A

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speakerdeck.com/stevan_little/perl-is-not-dead-it-is-a-dead-end

Hey, how would you like to maintain a 17 year old pile of very complex C code written by multiple authors and which has to maintain bug for bug compatibility with any random 25 year old codebases?

Oh, and did i mention? You won't be getting paid!
(at least not very much)

Perl 5 devs

- They’re holding the fort
- They’re covering our backs towards the future

I believe we are at a crossroads, in one direction,
Perl 5 (death and irrelevance),
the other is PHP/Ruby/Python/C#/Java/etc.
(another job, but no more Perl culture/community),
and the third way is Perl 6 (ready by christmas).

#dammitstevan
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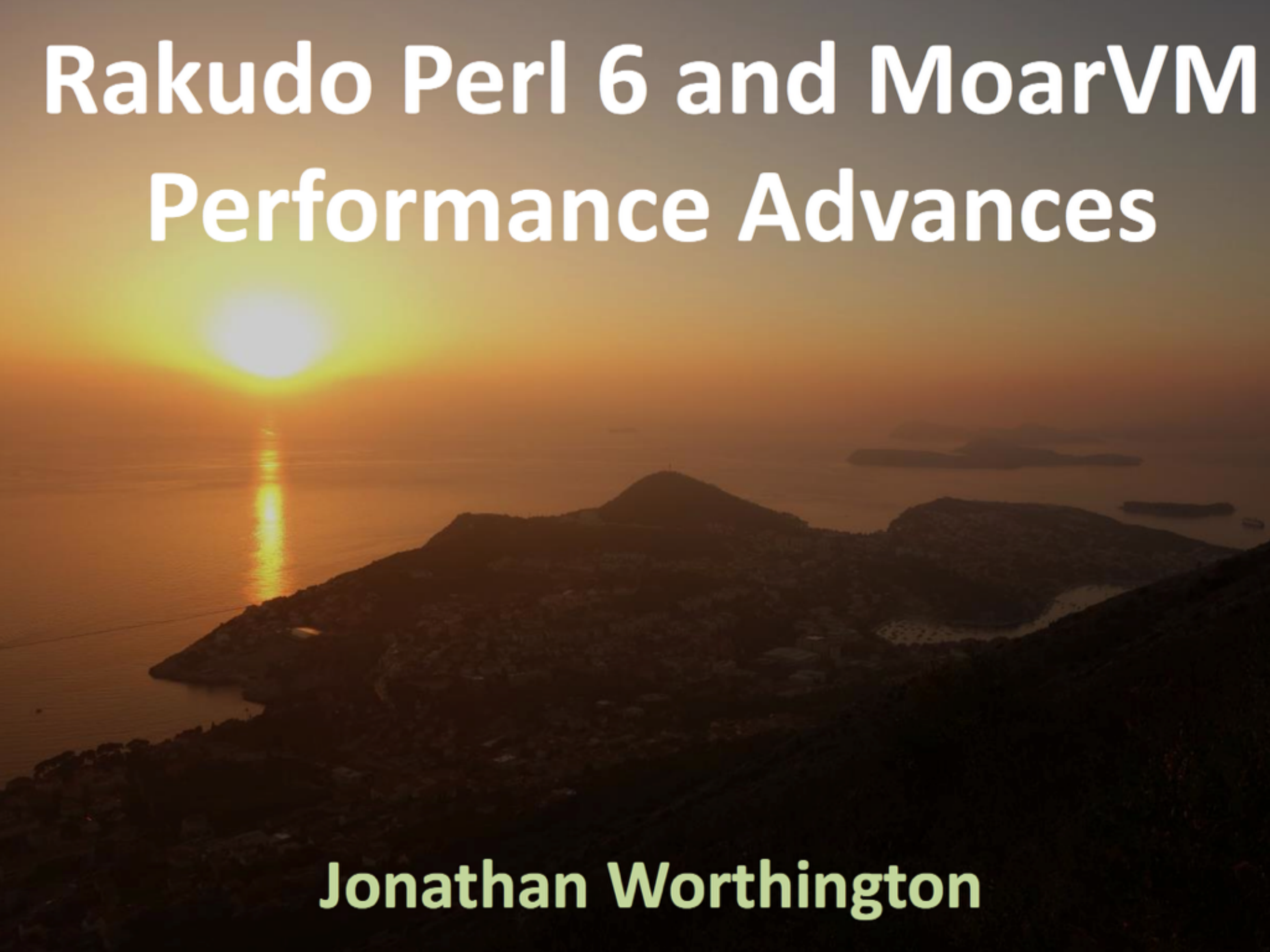
the third way is Perl 6

Rakudo Perl 6

- Has now become a viable alternative
- The fittest survivor of the implementation evolution
- Larry Wall is committing to Rakudo Perl 6

Rakudo Perl 6 and MoarVM Performance Advances

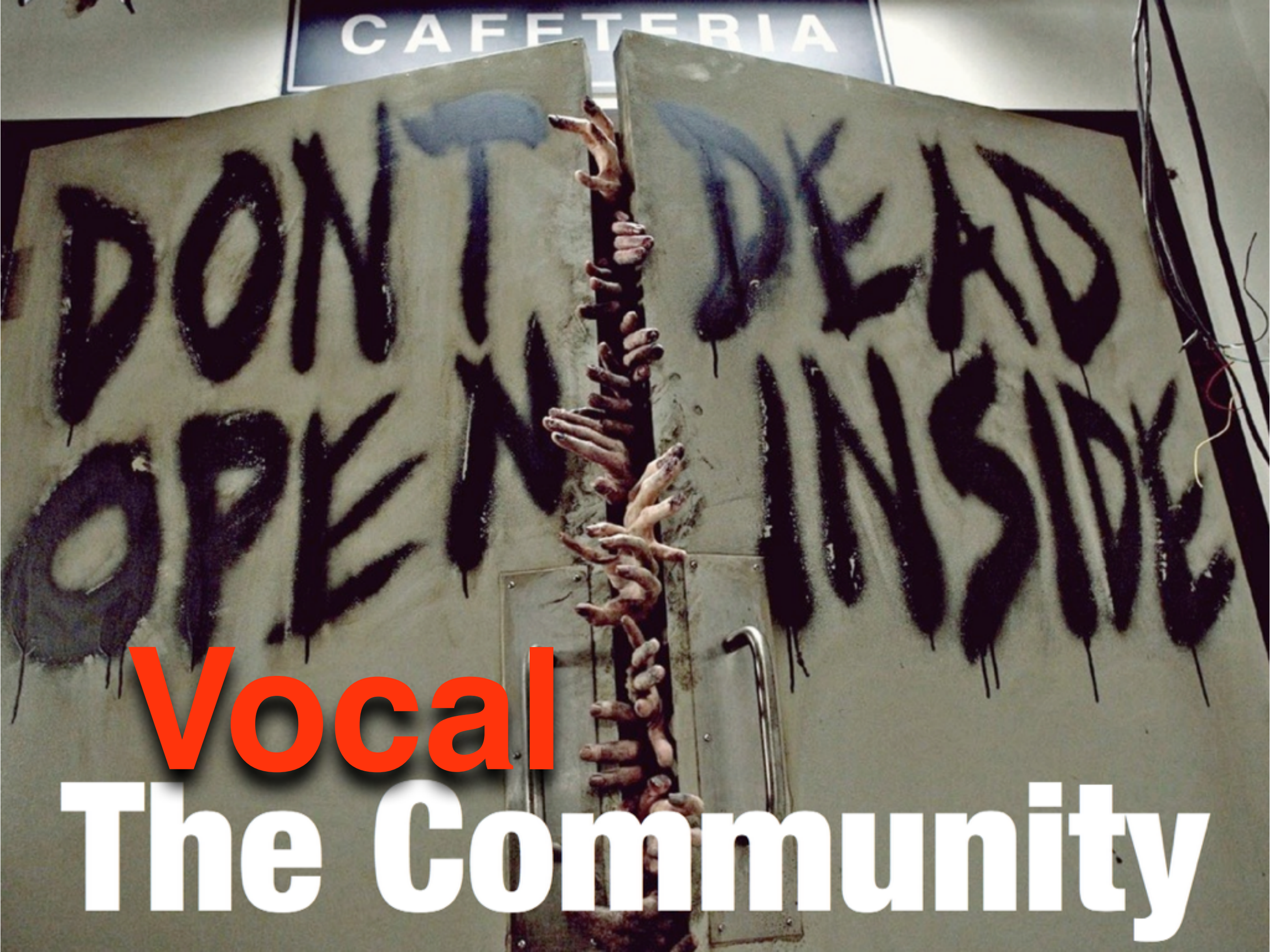


Jonathan Worthington

http://jnthn.net/papers/2014-yapceu-performance.pdf

Perl Community

- The vocal
- The silent



Vocal
The Community

Silent Perl Community

- A group of die-hard developers
- Has continued over the years
- So that we can stand on their shoulders
- To create the future

We shall fight with growing confidence and growing strength on the Net.

We shall defend our Island, whatever the cost may be!

We shall never surrender!

Even though this Island is subjugated and starving, the New World will step forth to the rescue and the liberation of the old!

Inspired by Sir Winston Churchill

C-Day Is Coming

It's a different language!

- Most learnt another language for a living
- Perl 6 is **not** that much different
- If you could learn language X for a living
- You sure can learn **Perl 6**

It’s shouldn’t be called Perl

- Sorry, **too late** for that now
- I never bought the sister language argument
- Perl is evolving, and this is it
- The new Perl is **Perl 6**

But the community…

- If you are still programming Perl 5
- Please feel welcome to try Perl 6
- And find out it's really not that much different
- Just more logical, powerful, **future proof**

But the community…

- If you are just bitching about what could have been
- How things should have been done differently
- Stop!
- Either **join us** or **leave us**!
- In any case, **shut up**!

Stop stealing

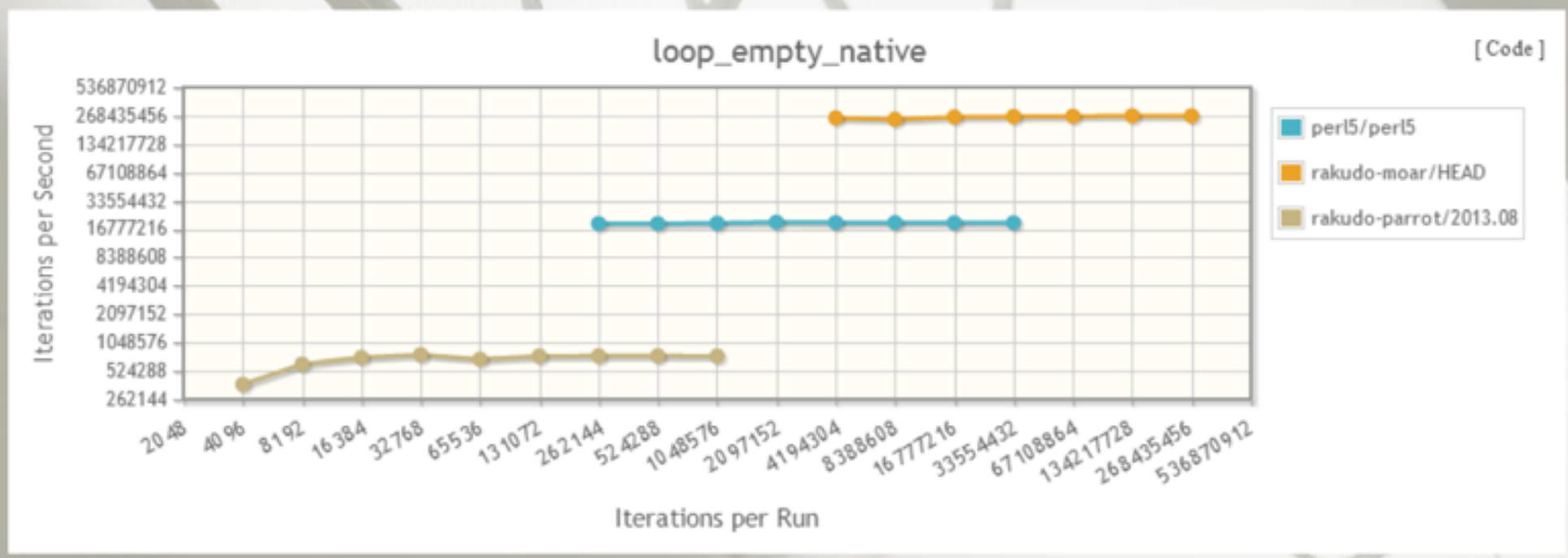
- Instead of spending time trying to **mimic** Perl 6
- Be constructive in **another** way
- Spend your (unpaid!) time on **Perl 6**
- Only a **small list** of features needed for **6.0.0**
- **You** can be part of that!

Want to pre-compile?

- Rakudo Perl 6 allows for pre-compilation of code
- Loading pre-compiled typically 100x as fast
- With '**use v5**'
- Your Perl 5 cgi-bin scripts could load faster

Great news: natives

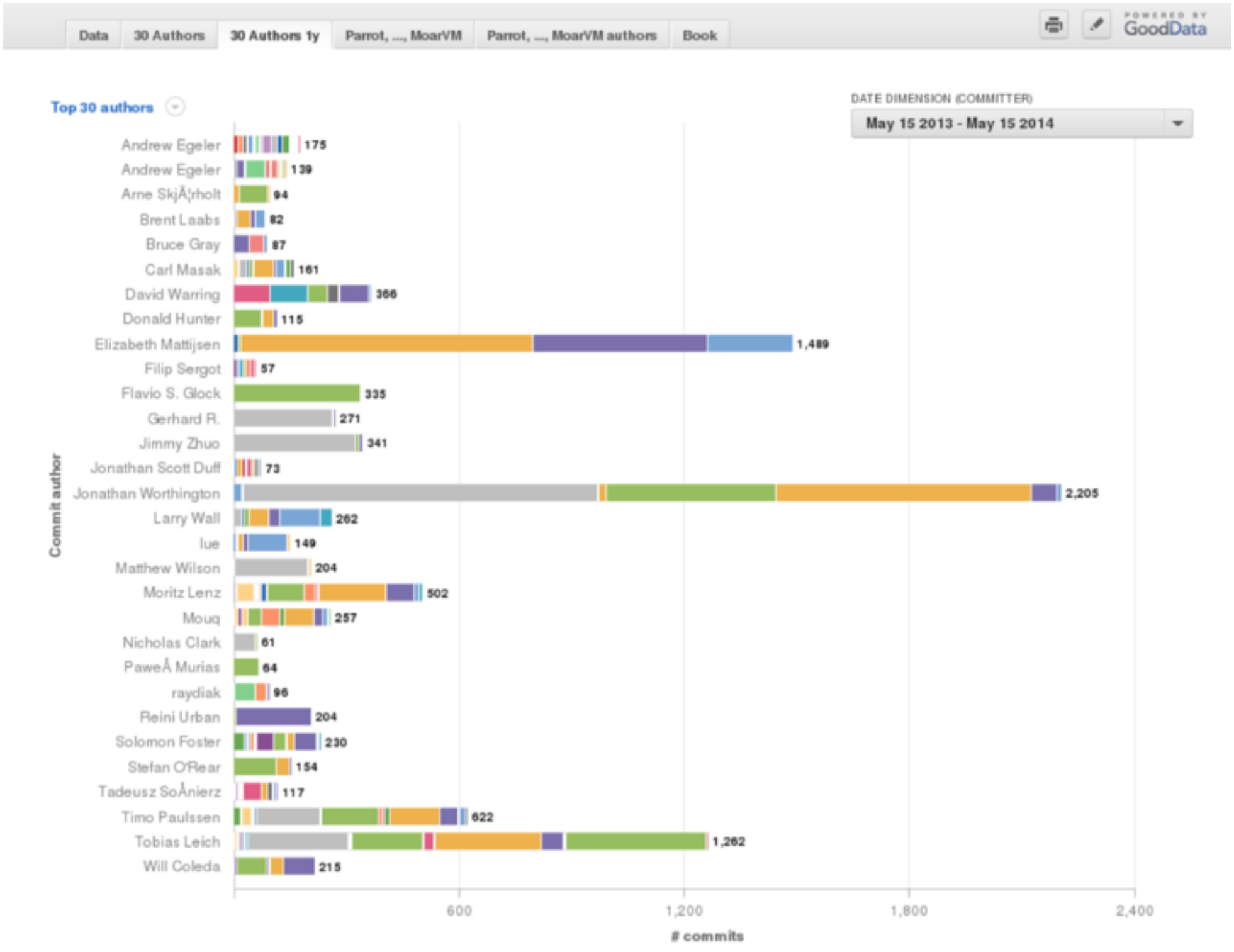
Awesome, thanks to JIT. Here, we're 14x faster than Perl 5, and 355x faster than 2013.08!



A glimpse of the future

No time to write XS?

- Jitting of Rakudo Perl 6 does that for you!
- Your carefully written Business Logic
- May lose its performance issues automagically
- In combination with '**use v5**' if you're using Perl 5



More and more committers

We value all contributions

- If you want to contribute to Perl 6
- There is **always** something you can do!
- We need more people looking at documentation
- Writing tutorials, or simply just try things
- And tell us there's something amiss (if there is)

An Introduction by a Newbie

- Learn **Perl 6** in **Y** minutes
- The best thing we have to an intro at the moment
- **http://learnxinyminutes.com/docs/perl6/**

How to try Perl 6

(as a **tester**)

- The Rakudo equivalent of **perlbrew**:

- https://github.com/tadzik/rakudobrew

How to try Perl 6

(as a **contributor**)

- mkdir foo && cd foo
- git clone https://github.com/rakudo/rakudo.git
- cd rakudo
- perl Configure.pl —gen-moar
- make install
- install/bin/perl6 -v

Examples?

- Rosetta Code
- http://perl6.org/community/rosettacode
- Perl 6 Advent Calendar
- https://perl6advent.wordpress.com
- Jonathan Worthington's presentations with examples
- http://jnthn.net/articles.shtml

Support?

- fine folks of the #perl6 channel on irc.freenode.org
- blogs: http://planeteria.org/perl6/
- from Perl 5: http://perlgeek.de/en/article/5-to-6
- the nitty gritty: http://perlcabal.org/syn/

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