

The background features a gradient from dark blue at the bottom to red at the top. Overlaid on this are several technical diagrams, including circular gauges with numerical scales (e.g., 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260) and various circular patterns with arrows, suggesting a technical or scientific theme.

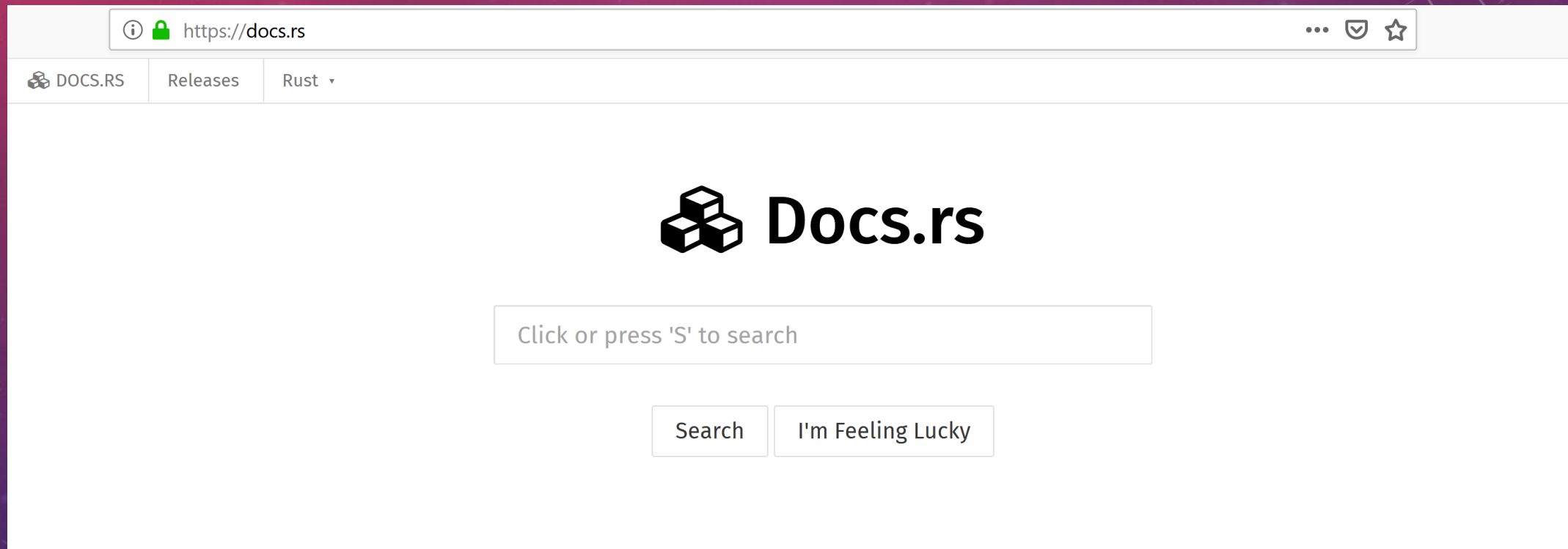
THE DEATH AND REBIRTH OF DOCS.RS

@QuietMisdreavus 2019

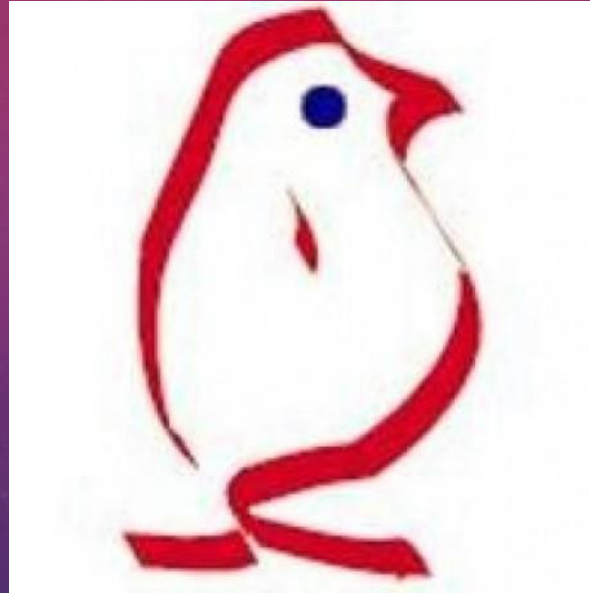


- @QuietMisdreavus // Grey Mitchell // she/they
- <https://github.com/sponsors/QuietMisdreavus>
- Recurse Center F2'19
- Rustdoc Team lead
- I like music
- I like docs
- I like Rust

WHAT IS DOCS.RS?



FROM HUMBLE BEGINNINGS



Onur Aslan
@oasln / @onur

FROM HUMBLE BEGINNINGS

- Debuted in February 2016 as crates.fyi
- Originally a Perl script
- Rewritten in Rust for 1% of the memory use
- 10 days to build all of crates.io



Rust Language

@rustlang

A community project to host and generate documentation for every crate on crates.io: crates.fyi/crates/

10:28 AM · Feb 1, 2016 · [Twitter for iPhone](#)

ASCENT



Rust Language
@rustlang

Check out what just launched: docs.rs

6:05 PM · Aug 26, 2016 · [Twitter for iPhone](#)

- Relunched as docs.rs in August 2016
- Now with a front page!

HISTORICAL STRUCTURE

- Server donated by Leaseweb
- Iron web server
- LXC build container
- Doc/source files in local database
- Custom fork of rustdoc/cargo

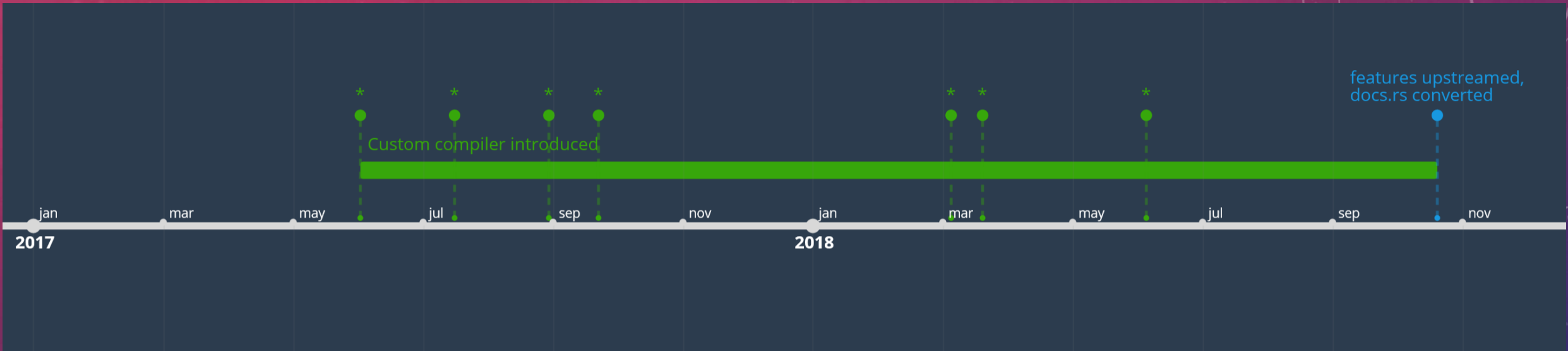
A CUSTOM FORK IS COOL, BUT...

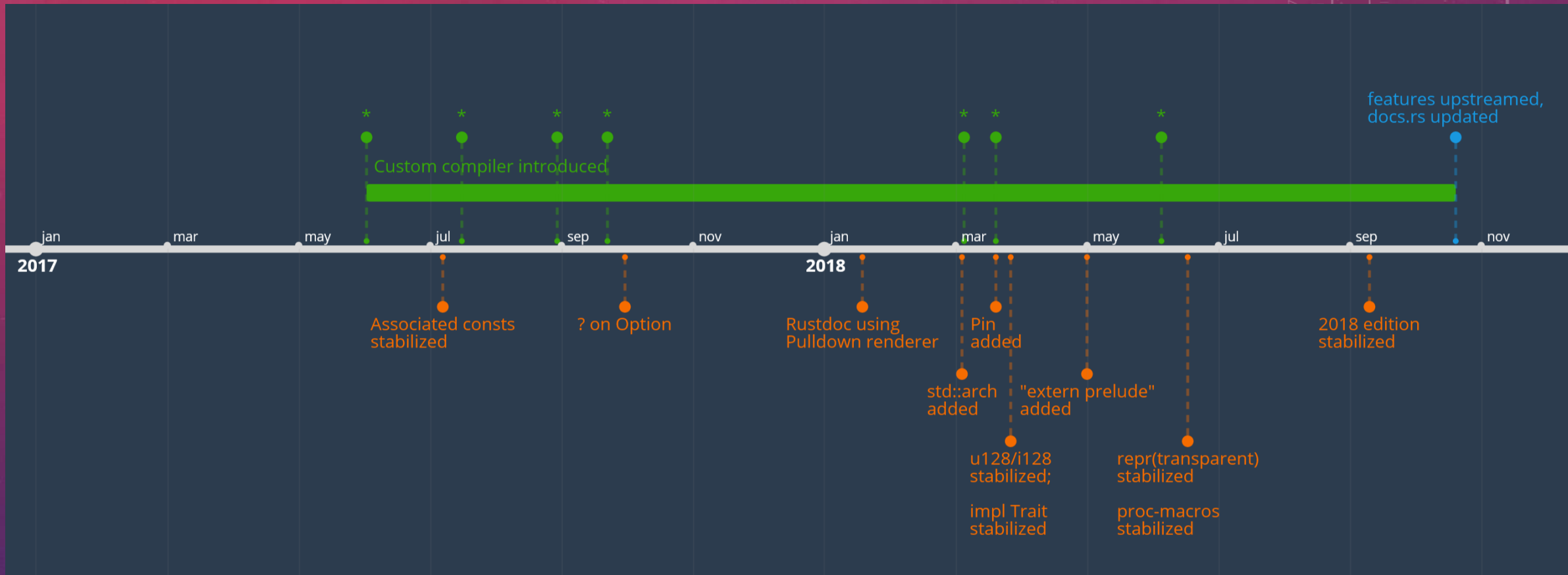
...now you have to rebase your changes to update rustdoc

...and rustdoc is tied to the compiler

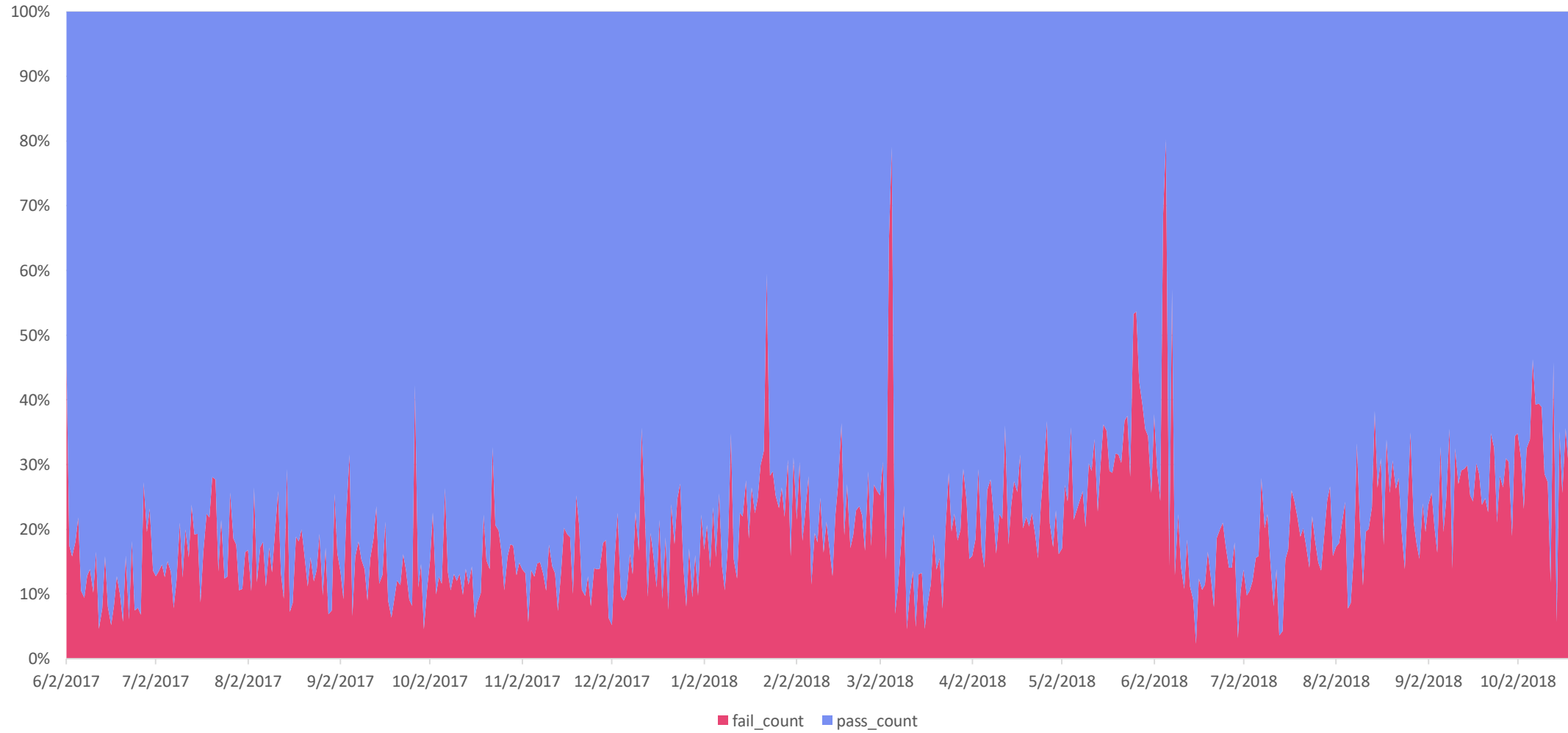
...so now you have to rebase the compiler all the time

...and people like to use new language features as soon as they come out





docs.rs custom compiler doc builds




FOUNDATIONS FOR RENEWAL

- Rust All-Hands 2018 (February): We want to make this official
- Upstreamed custom features:
 - “resource suffix”: February 2018
 - “extern root URL”: August 2018
- October 2018: let’s upgrade docs.rs!
- December 2018: let’s migrate to infra-team’s AWS account!


SOARING TO NEW HEIGHTS

- Infra Team: We're doing something similar with Crater, let's join forces!

 [rust-lang](#) / [crates-build-env](#)


[Code](#) [Issues 5](#) [Pull requests 3](#) [Actions](#) [Security](#) [Insights](#)


Build environment for Rust crates

 [rust-lang](#) / [docs.rs](#)

[Code](#) [Issues 117](#) [Pull requests 18](#) [Actions](#) [Projects 0](#) [Wiki](#)

Switch to rustwide for sandboxing #407

[Merged](#) pietroalbini merged 23 commits into [master](#) from [rustwide](#)  11 days ago

 [rust-lang](#) / [rustwide](#)

[Code](#) [Issues 1](#) [Pull requests 0](#) [Actions](#) [Security](#) [Insights](#)

Execute your code on the Rust ecosystem.

CURRENT STRUCTURE

- AWS Server managed by Rust Infrastructure Team
- Iron web server
- Docker build container (crates-build-env, managed by rustwide)
- Doc/source files stored in S3
- Upstream nightly rustdoc/cargo

LIFE LESSONS

- Sometimes something can be come accidentally popular before it's ready
 - But with the right preparation, it can handle it
- Bus factor and getting new contributors is super important
- Burnout is real, and life can change plans

LINKS

- <https://github.com/rust-lang/docs.rs>
- <https://github.com/rust-lang/crates-build-env>
- <https://github.com/rust-lang/rustwide>
- <https://discord.gg/rust-lang> #docs-rs

- <https://quietmisdreavus.net>
- <https://github.com/sponsors/QuietMisdreavus>