

Contributing to OSS

Ignasi Marimon-Clos (Lightbend)

Contributing

- Code (my PR's)
- Issue
- 3rd party PR review
- ...



Contributing

- Project Site
- Docs
- Forums
- Chats
- Stack Overflow
- Talks
- Workshops
- Blogposts
- Tutorials
- ...

Task 1

☑ Get a GitHub account: <https://github.com>



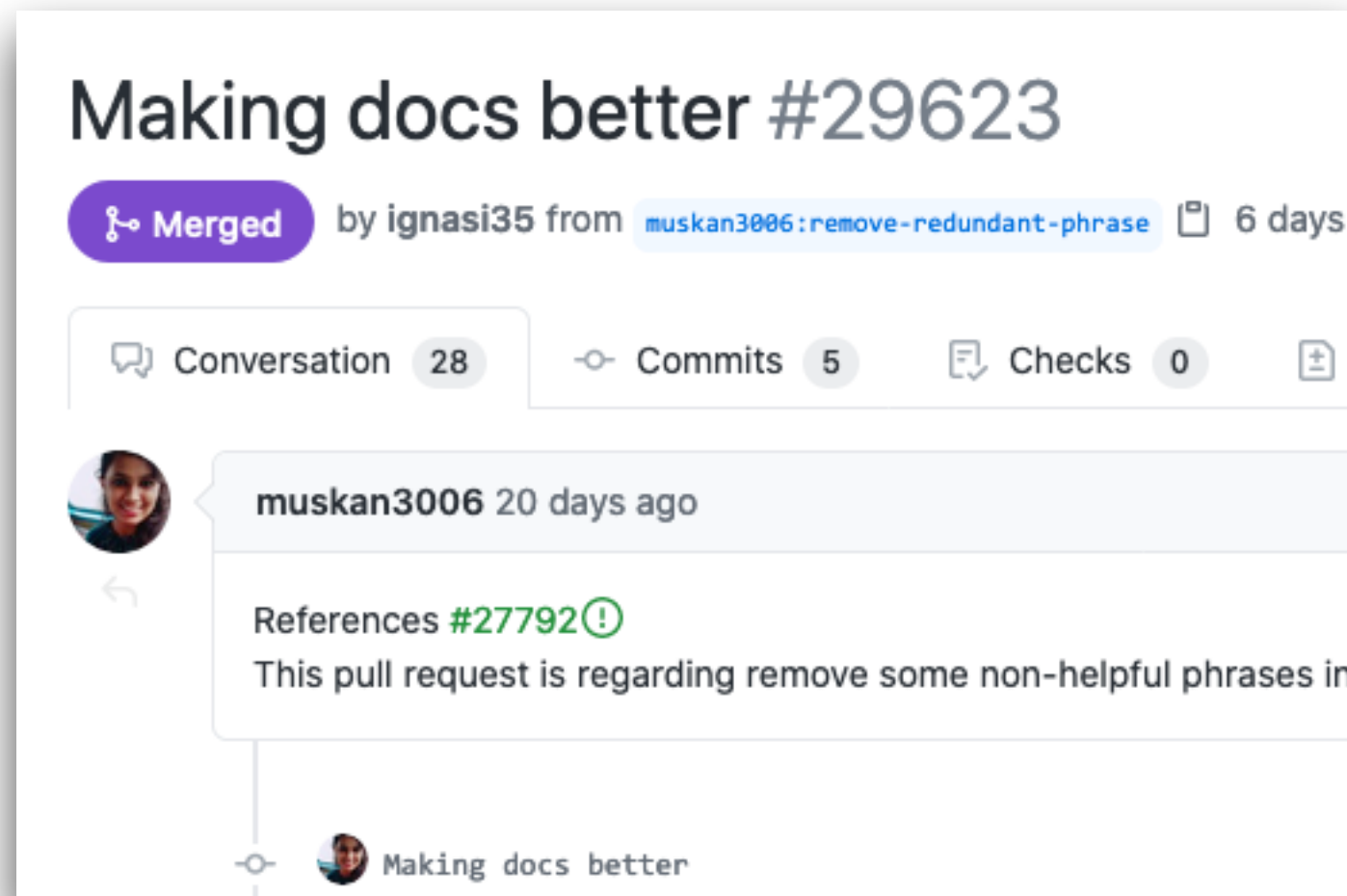
Impediments

Impediments

- It's all in your head
- Really
- Even pros make mistakes
- Yeah, just do it
- It's all in your head

Impediments

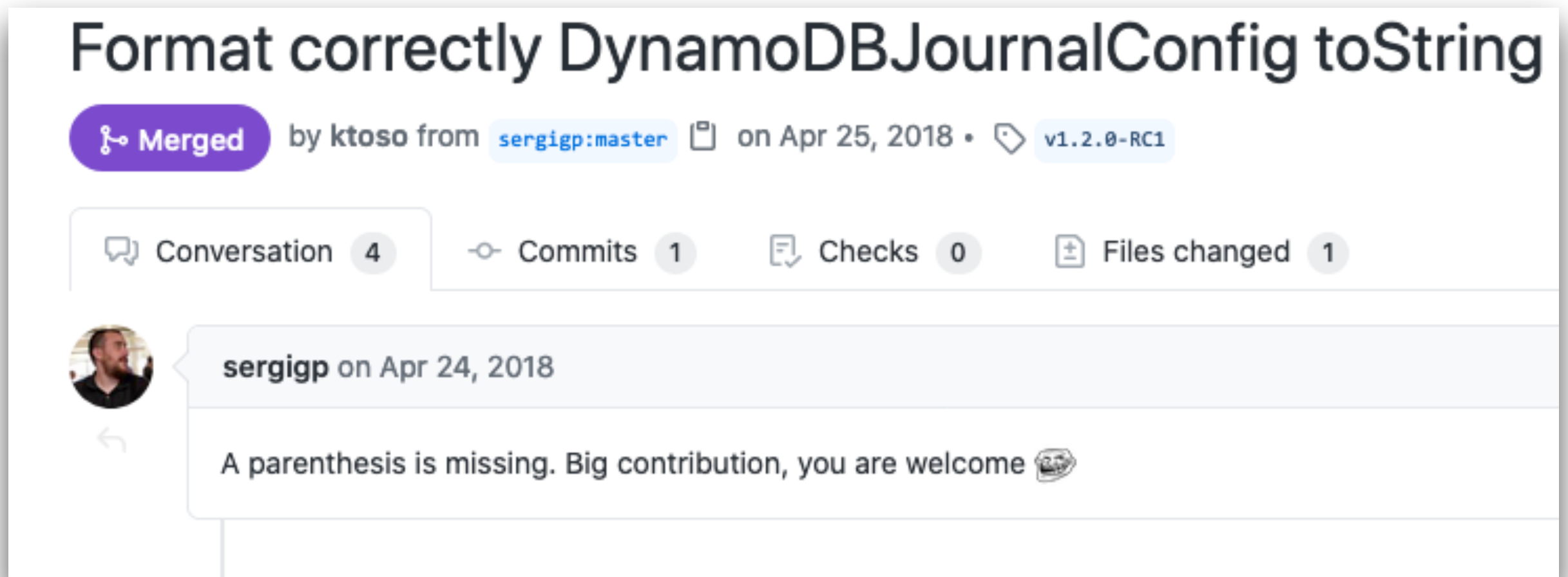
Do this:



**There's people on the
other side**

Impediments

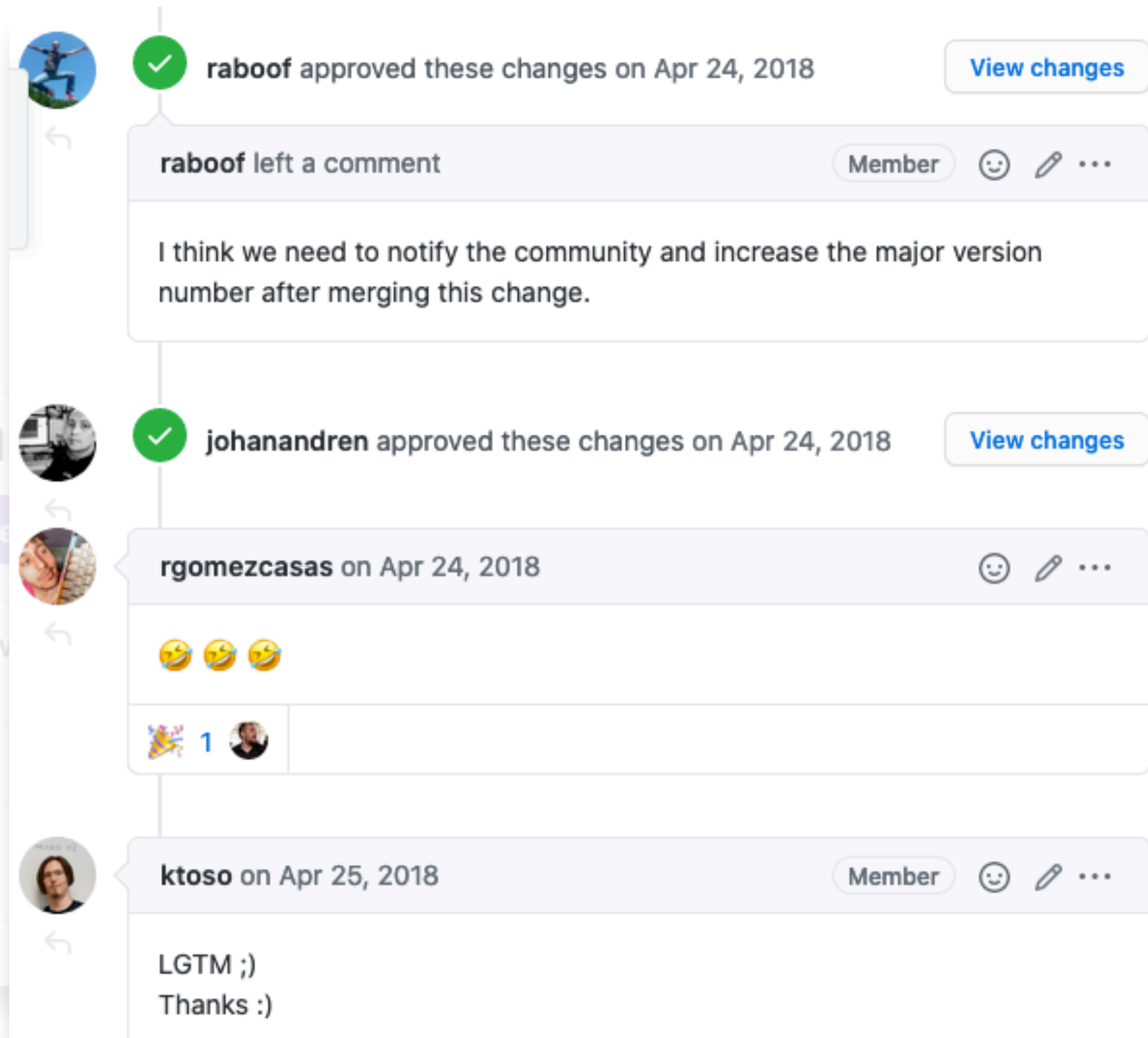
Or this:



The screenshot shows a GitHub pull request interface. At the top, the title is "Format correctly DynamoDBJournalConfig toString". Below the title, it says "Merged" in a purple button, followed by "by ktoso from `sergigp:master`" and "on Apr 25, 2018". A tag "v1.2.0-RC1" is also visible. Below this, there are tabs for "Conversation" (4), "Commits" (1), "Checks" (0), and "Files changed" (1). A comment from user "sergigp" dated "Apr 24, 2018" is shown, stating: "A parenthesis is missing. Big contribution, you are welcome 🍷".

<https://github.com/akka/akka-persistence-dynamodb/pull/74>

Or this:



The screenshot displays a GitHub pull request interface. At the top, a green checkmark icon indicates that the pull request has been approved. The approver is 'raboof', and the approval date is 'Apr 24, 2018'. A 'View changes' button is visible to the right. Below this, a comment by 'raboof' is shown, stating: 'I think we need to notify the community and increase the major version number after merging this change.' The comment is marked as a 'Member' comment. Further down, another green checkmark indicates approval by 'johanandren' on 'Apr 24, 2018', also with a 'View changes' button. Below this, a comment by 'rgomezcasas' on 'Apr 24, 2018' is shown, featuring three laughing face emojis and a reaction of 1 person. At the bottom, a comment by 'ktoso' on 'Apr 25, 2018' is shown, stating 'LGTM ;)' and 'Thanks :)'. The comment is marked as a 'Member' comment.

✓ raboof approved these changes on Apr 24, 2018 [View changes](#)

raboof left a comment Member 😊 ✎ ...

I think we need to notify the community and increase the major version number after merging this change.

✓ johanandren approved these changes on Apr 24, 2018 [View changes](#)

rgomezcasas on Apr 24, 2018 😊 ✎ ...

😂😂😂

🎉 1 🧑

ktoso on Apr 25, 2018 Member 😊 ✎ ...

LGTM ;)
Thanks :)

<https://github.com/akka/akka-persistence-dynamodb/pull/74>

@ignasi35

Don't do this:

#100 😡

This issue has been open for 7 years and STILL ITS NOT WORKING. We have a major product based on [REDACTED] launching in 8 days and we absolutely need this functionality. Will you start work on it next week?

Thanks in advance



Fighting the Impediments

- Allocate fixed weekly time
- Sign up to Hacktoberfest

Fighting the Impediments

- No-one is watching. And if someone is watching, that's even better! You will mess things up, but after 3 years and 200 PRs your successes will exceed your messes.

**There's people on the
other side**

Hacktoberfest

- Contribute
- Get SWAG



Task 2

☑ Register to Hacktoberfest: <https://hacktoberfest.digitalocean.com/>



Hacktoberfest 2020

- Abuse
- Only counts PRs
- Misses the point

Task 3

☐ **Start a Contribution**

Tips

Tips

- Don't do it for the t-shirt



<https://twitter.com/domenic/status/1311355857465225218>

<https://hacktoberfest.digitalocean.com/hacktoberfest-update>

**There's people on the
other side**

Tips - code

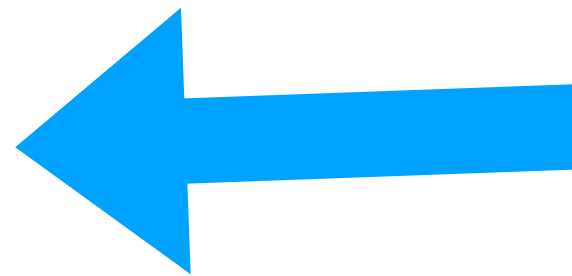
- How To Write a Git Commit Message
- How to write a PR (to OSS) Message
 - Manage expectations (newbie, need-help, low dedication, seek-guidance, “WIP - ...”)
 - Why did you do this PR? Related issues? Related discussion (SO/forums/chat)? Why solve it like this (trade-offs)?
 - Read CONTRIBUTING.md
 - Follow steps in PR template (if exists)

“Docs are code.”

–me

Tips - code

- How To Write a Git Commit Message
- How to write a PR (to OSS) Message
 - Manage expectations (newbie, need-help, low dedication, seek-guidance, “WIP - ...”)
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 - Read CONTRIBUTING.md
 - Follow steps in PR template (if exists)

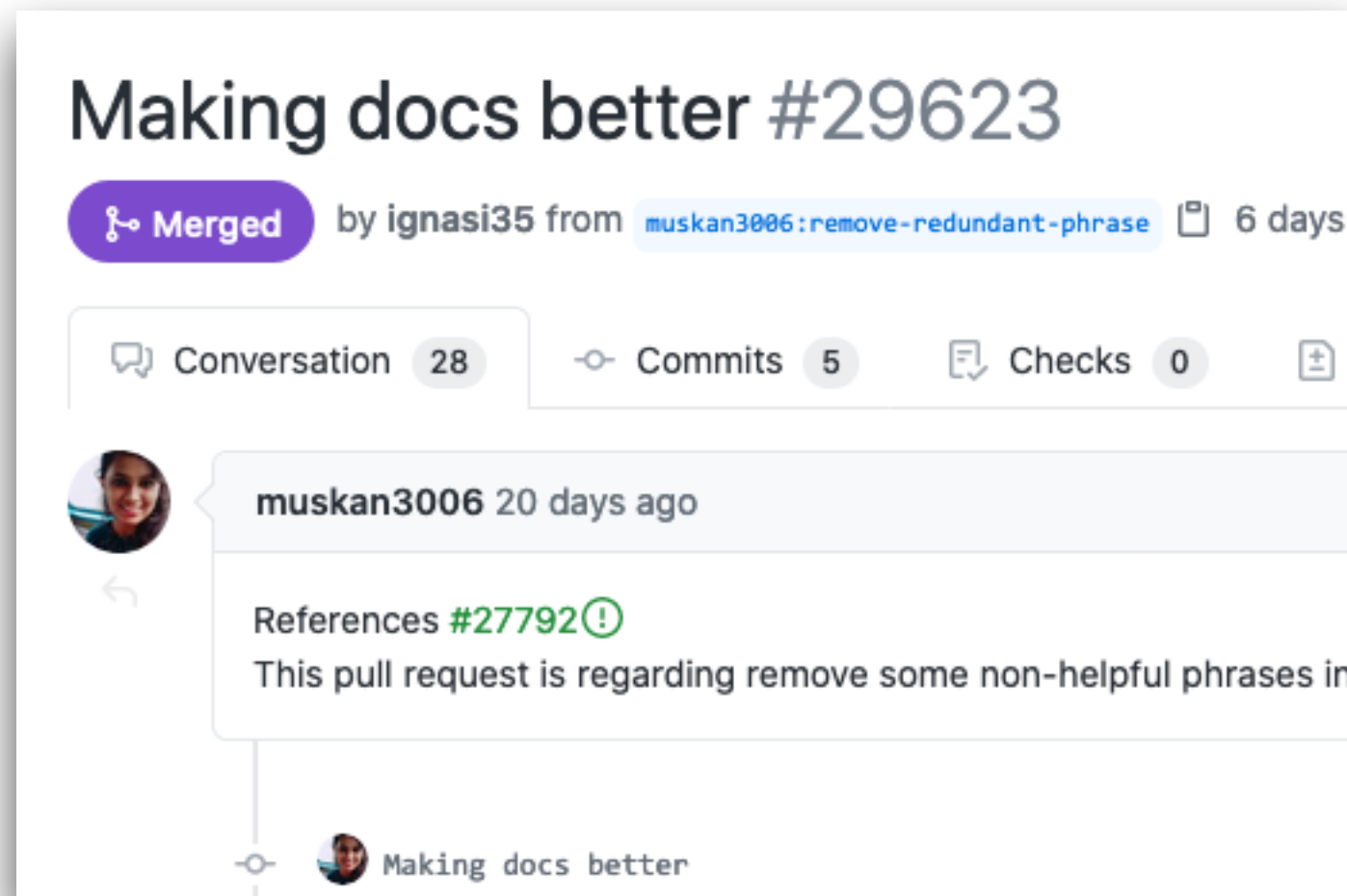


META

Tips - code

- Start small
- Really small
- Or automated (lint, automated replace, ...)
- There's always time for a bug fix or even a new feature. You'll get there. Know the irks, the layout and the team first.

Do this:



@ignasi35

<https://github.com/akka/akka/pull/29623>

Task 3

☐ **Start a Contribution**

Akka repos

Akka core (actors, streams, cluster,...)

Akka HTTP

Alpakka and Alpakka-Kafka

Akka Persistence plugins

Akka gRPC

Akka Management (ops)

Akka Meta

Akka Projection

Akka Platform Guide

Akka Samples

...

Akka repos

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Akka Samples

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Akka Project

Uppsala, Sweden http://akka.io info@lightbend.com

Repositories 44 Packages People 51 Teams 12 Projects 4

Pinned repositories

akka

Build highly concurrent, distributed, and resilient message-driven applications on the JVM

Scala 11.1k 3.3k

akka-http

The Streaming-first HTTP server/module of Akka

Scala 1.1k 513

alpakka-kafka

Alpakka Kafka connector - Alpakka is a Reactive Enterprise Integration library for Java and Scala, based on Reactive Streams and Akka.

Scala 1.3k 374

alpakka

Alpakka is a Reactive Enterprise Integration library for Java and Scala, based on Reactive Streams and Akka.

Scala 1.1k 568

akka-persistence-cassandra

A replicated Akka Persistence journal backed by Apache Cassandra

Scala 301 127

akka-management

Akka Management is a suite of tools for operating Akka Clusters.

Scala 211 135

How to choose?

- Find out what the team is focused on
- Contribute an area you are familiar with already
- Find out where the team requested for help already

How to choose?

- Find out what the team is focused on

akka / akka-meta

<> Code Issues 22 Pull requests

2020-09-14 Akka team plan

Open 0 comments

patriknw 20 days ago • edited by ennru

Previous sprint

#139

Until 2020-10-02 (3 weeks)

Akka Microservices

- Explore deployment alternatives
- Continue guide akka/akka-platform-guide/project

Akka HTTP and gRPC

- Bake Akka HTTP 10.2.1
- Continue testing/documenting topics around gRPC

akka / akka-grpc

<> Code Issues 108 Pull requests

Release Akka gRPC 1.1.0

Filters is:issue is:open sort:updated-desc

Clear current search query, filters, and sorts

10 Open 15 Closed

- ☐ The generated java sources are not compatible with 1.0.0
#1128 opened 10 days ago by symphonata
gradle help wanted
- ☐ Support for richer error responses / go
#577 opened on May 8, 2019 by ctoomey
enhancement help wanted
- ☐ Support h2c upgrade
#427 opened on Oct 4, 2018 by raboof
client help wanted

akka / akka-grpc

<> Code Issues 108 Pull requests

1.1.0

No due date 12% complete

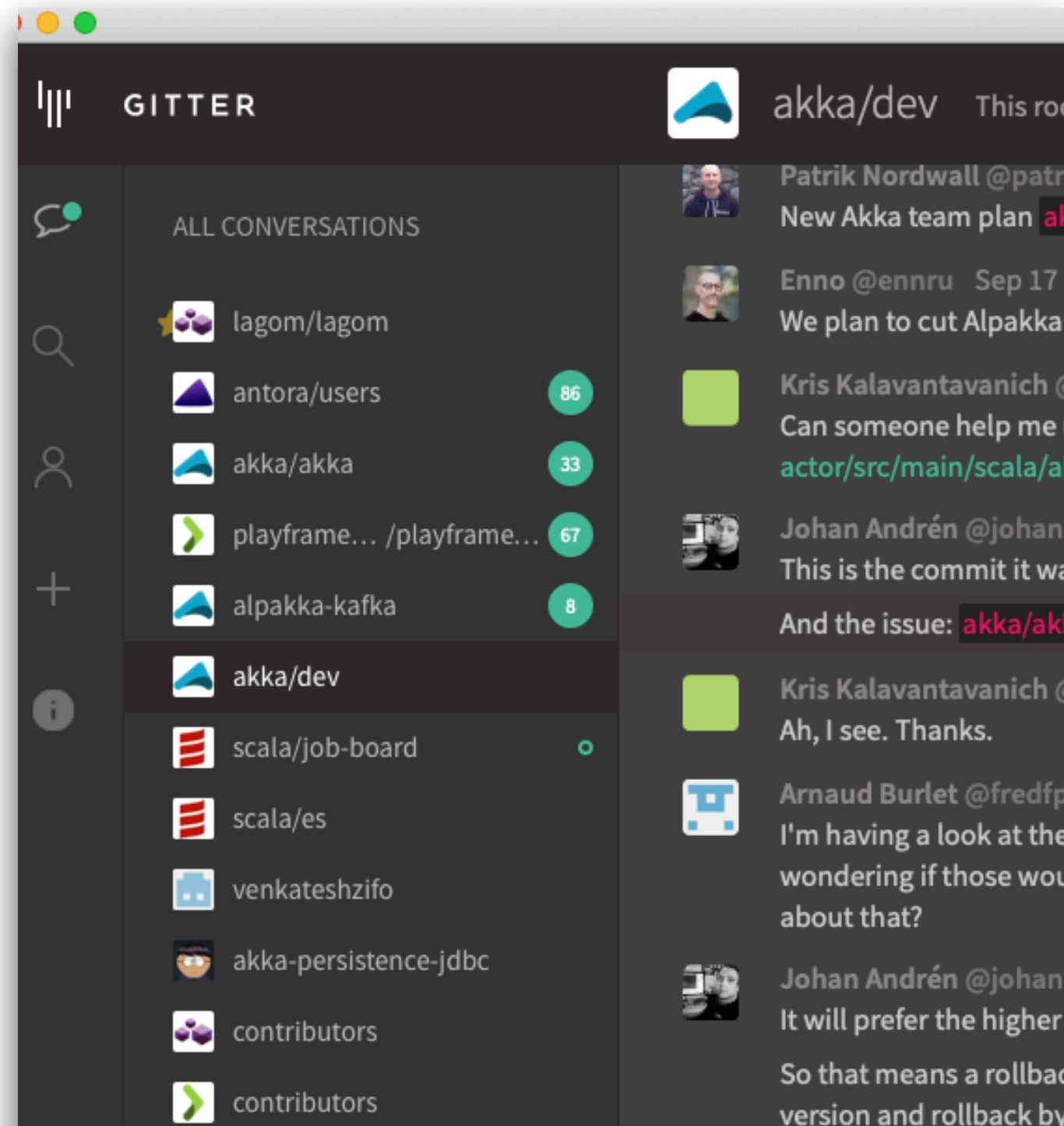
This is still under discussion (#762), but our goal is to be compatible with 1.0.0, but it will require Akka 2.6

7 Open 1 Closed

- ☐ Require akka 2.6 ✓ codegen sbt
#768 opened on Dec 19, 2019 by raboof • Review
- ☐ Require Akka 2.6
#762 opened on Dec 18, 2019 by raboof
- ☐ Update to Akka HTTP 10.2.0

How to choose?

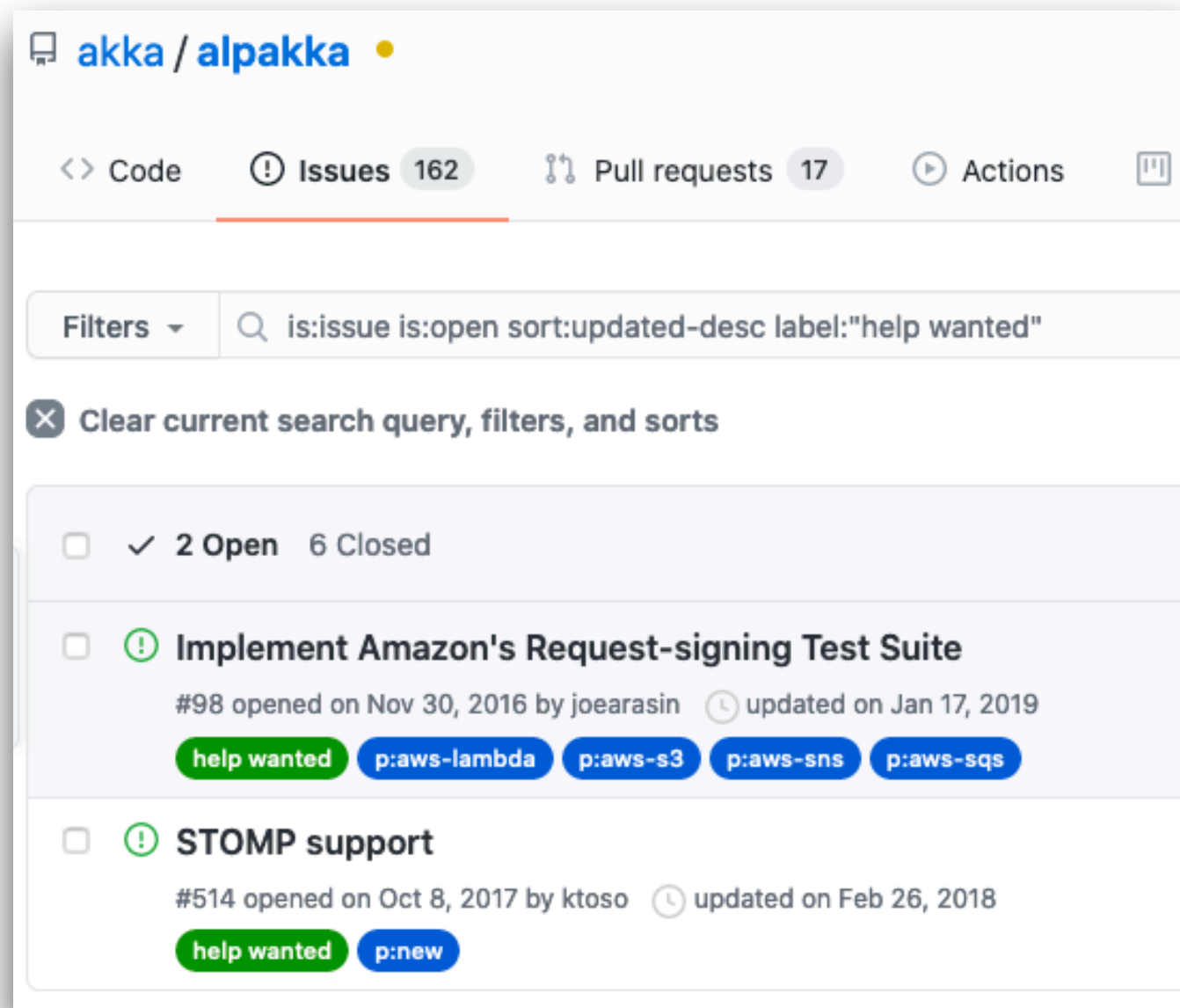
- Find out what the team is focused on



**There's people on the
other side**

How to choose?

- Contribute an area you are familiar with already



The screenshot shows the GitHub repository page for akka/alpakka. The 'Issues' tab is selected, showing 162 issues. A search filter is applied: 'is:issue is:open sort:updated-desc label:"help wanted"'. The results show two open issues:

- ☐ **Implement Amazon's Request-signing Test Suite**
#98 opened on Nov 30, 2016 by joearasin updated on Jan 17, 2019
Labels: help wanted, p:aws-lambda, p:aws-s3, p:aws-sns, p:aws-sqs
- ☐ **STOMP support**
#514 opened on Oct 8, 2017 by ktoso updated on Feb 26, 2018
Labels: help wanted, p:new

Overview

Data Transformations

AMQP

Apache Camel

Apache Cassandra

Apache Geode

Apache Kafka

Apache Kudu

Apache Solr

Avro Parquet

AWS EventBridge

AWS DynamoDB

AWS Kinesis and Firehose

AWS Lambda

AWS S3

AWS SNS

How to choose?

- Contribute an area you are familiar with already

The screenshot shows the GitHub interface for the akka/akka repository. The 'Issues' tab is selected, showing 836 issues. A search filter is applied: 'is:issue is:open sort:updated-desc label:hackathon'. The results show 7 open issues and 3 closed issues. The first issue, #25468, is titled '[NICE FIRST CONTRIB] Additional examples for Stream operator do' and was opened on Aug 13, 2018, by user raboof. It has 63 comments and 139 views. The issue is labeled with '1 - triaged', 'good first issue', 'hackathon', and 'help wanted'.

The screenshot shows the Akka Documentation page for Version 2.6.9. The 'Scala' language is selected in the dropdown menu. The search bar is empty. The page lists various Akka classes and methods, including 'Error handling', 'Source.actorRef', 'Sink.actorRef', 'ActorSource.actorRef', 'ActorSink.actorRef', 'Source.actorRefWithBackpressure', 'Sink.actorRefWithBackpressure', 'ActorSource.actorRefWithBackpressure', 'ActorSink.actorRefWithBackpressure', 'alsoTo', 'Flow.asFlowWithContext', 'StreamConverters.asInputStream', 'StreamConverters.asJavaStream', 'ask', and 'ActorFlow.ask'.

Operators

Source operators

These built-in sources are available from akka-streams

	Operator
Source	asSourceWithContext
Source	asSubscriber
Source	combine
Source	completionStage
Source	completionStageSource
Source	cycle
Source	empty
Source	failed
Source	only

How to choose?

- Find out where the team requested for help already

akka / akka-http

<> Code Issues 498 Pull requests

Filters is:issue is:open sort:updated

Clear current search query, filters, and sort

14 Open 5 Closed

Get rid of SocketUtils.temporarily #2947 opened on Feb 6 by jrudolph
1 - triaged hackathon help wanted

Provide testkit support for utes #3399 opened on Jul 28 by jrudolph
1 - triaged hackathon help wanted

akka / alpakka

<> Code Issues 162 Pull requests

Filters is:issue is:open sort:updated

Clear current search query, filters, and sort

2 Open 6 Closed

Implement Amazon's Rec #98 opened on Nov 30, 2016 by j
help wanted p:aws-lambda

STOMP support #514 opened on Oct 8, 2017 by k
help wanted p:new

akka / akka-platform-guide

<> Code Issues 51 Pull requests

Style of writing

Filters is:issue is:open sort:updated

Clear current search query, filters, and sort

3 Open 0 Closed

Include docker-compose ins #233 opened 3 days ago by octonate
good first issue

Remove the todo Deploy sec #231 opened 3 days ago by patriknw
good first issue

How to choose?

- Find out where the team requested for help already

<https://github.com/akka/akka-management/issues/643>

I chose, now what?

- Create an issue (if none exists) to discuss details
- Let other contributors know you are working on it
- Hack, hack, hack

Ready? PR!

- When you think you are done, send a PR
- Make sure you signed the CLA
- Make sure code is formatted, tests pass, etc...
- Await 1 or 2 approvals (depends on repo)

Task 3

☒ Start a Contribution

Thanks!