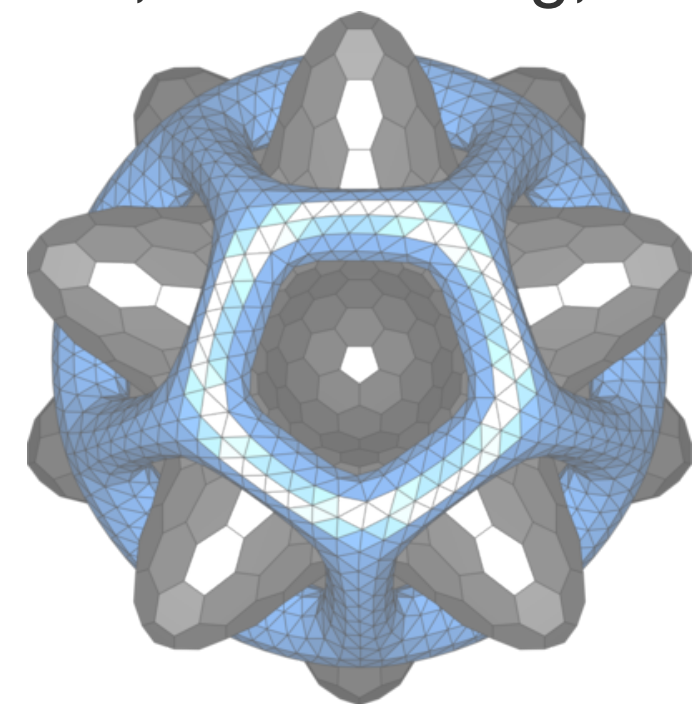


Journal of Open Source Software

Bot-assisted community peer-review

Fruzsina Agocs, Gabriela Alessio Robles, Stefan Appelhoff, Marlin Arnz, Jack Atkinson, Warrick Ball, Mojtaba Barzegari, Johanna Bayer, Juanjo Bazán, Sophie Beck, Sebastian Benthall, Monica Bobra, Frederick Boehm, Sébastien Boisgérault, Augusto Borges, Josh Borrow, Gabriele Bozzola, Jed Brown, Tobias Buck, Philip Cardiff, Taher Chegini, Pi-Yueh Chuang, Beatriz Costa Gomes, Patrick Diehl, Axel Donath, Kalyn Dorheim, Elizabeth DuPre, Matthew Feickert, Henrik Finsberg, Vissarion Fisikopoulos, Samuel Forbes, James Gaboardi, William Gearty, Nikoleta Glynatsi, Nick Golding, Jeff Gostick, Rohit Goswami, Matt Graham, Matthias Grenié, Jayaram Hariharan, Susan Holmes, Adam R. Jensen, Mark A. Jensen, Prashant Jha, Christoph Junghans, Sehrish Kanwal, Ujjwal Karn, Daniel S. Katz, Vincent Knight, Olexandr Konovalov, Vangelis Kourlitis, Rachel Kurchin, Paul La Plante, Johan Larsson, Oskar Laverny, Hugo Ledoux, Richard Littauer, Richard Liu, Owen Lockwood, Michael Mahoney, Shane Maloney, Erick Martins Ratamero, Brian McFee, Rocco Meli, Sarath Menon, Tristan Miller, Kevin M. Moerman, Ivelina Momcheva, Yasmin Mzayek, Kanishka B. Narayan, Kyle Niemeyer, Lorena Pantano, AHM Mahfuzur Rahman, Blake Rayfield, Julia Romanowska, Kelly Rowland, Neea Rusch, Anjali Sandip, Mehmet Hakan Satman, Jonny Saunders, Fabian Scheipl, Hauke Schulz, Adi Sinn, **Arfon M. Smith**, Claudia Solis-Lemus, Charlotte Soneson, Evan Spotte-Smith, David Stansby, Marcel Stimberg, Fabian-Robert Stöter, Øystein Sørensen, Fei Tao, George K. Thiruvathukal, Romain Thomas, Kristen Thyng, Abhishek Tiwari, Ana Trisovic, Adam Tyson, Adithi R Upadhyaya, Chris Vernon, Anastassia Vybornova, Andrew Walker, Yuanqing Wang, Rachel Wegener, Britta Westner, Lucy Whalley, Ethan White, Erik Whiting, Frauke Wiese, Fangzhou Xie, Wentao Ye, Mengqi Zhao, Bonan Zhu, Pierre de Buyl



<https://joss.theoj.org>

Software isn't a creditable
research activity

***How to better
recognize
software
contributions?***

- 1.** Find some way to fit software into current (paper/book-centric) system.
- 2.** Evolve beyond one-dimensional credit model.

*What if we just wrote
papers about software?*

Software papers

Gives us something easy to cite 👍

No changes required to existing infrastructure 🙌

Publishing in existing journals raises profile of software within a community 🙌

Software papers

Writing another paper can be a ton of work 😅

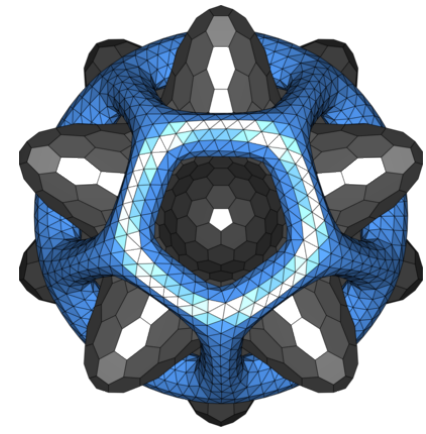
Many journals don't accept software papers 😡

For long-lived software packages, static authorship presents major issues 😞

Many papers about the same software may lead to citation dilution 👊

What if we made it as easy as possible to write and publish a software paper?

Embracing the hack



The Journal of Open Source Software

A *developer friendly* journal* for research software packages.

Paper preparation (and submission) for well-documented software should take **hours not days**.

The primary purpose of a JOSS paper is to **enable citation credit** to be given to authors of research software

But also makes your work **FAIR...**

* Other venues exist for publishing papers about software (e.g., JORS, Software Impacts, domain-specific venues)

FAIR Principles* adapted to **software**

Findable: Software, and its associated metadata, is easy for both humans and machines to find

Accessible: Software, and its metadata, is retrievable via standardised protocols

Interoperable: Software interoperates with other software by exchanging data and/or metadata, and/or through interaction via application programming interfaces (APIs), described through standards.

Reusable: Software is both usable (can be executed) and reusable (can be understood, modified, built upon, or incorporated into other software)

* Barker et al. Scientific Data 9:622 (2022) “Introducing the FAIR Principles for research software” DOI: 10.1038/s41597-022-01710-x

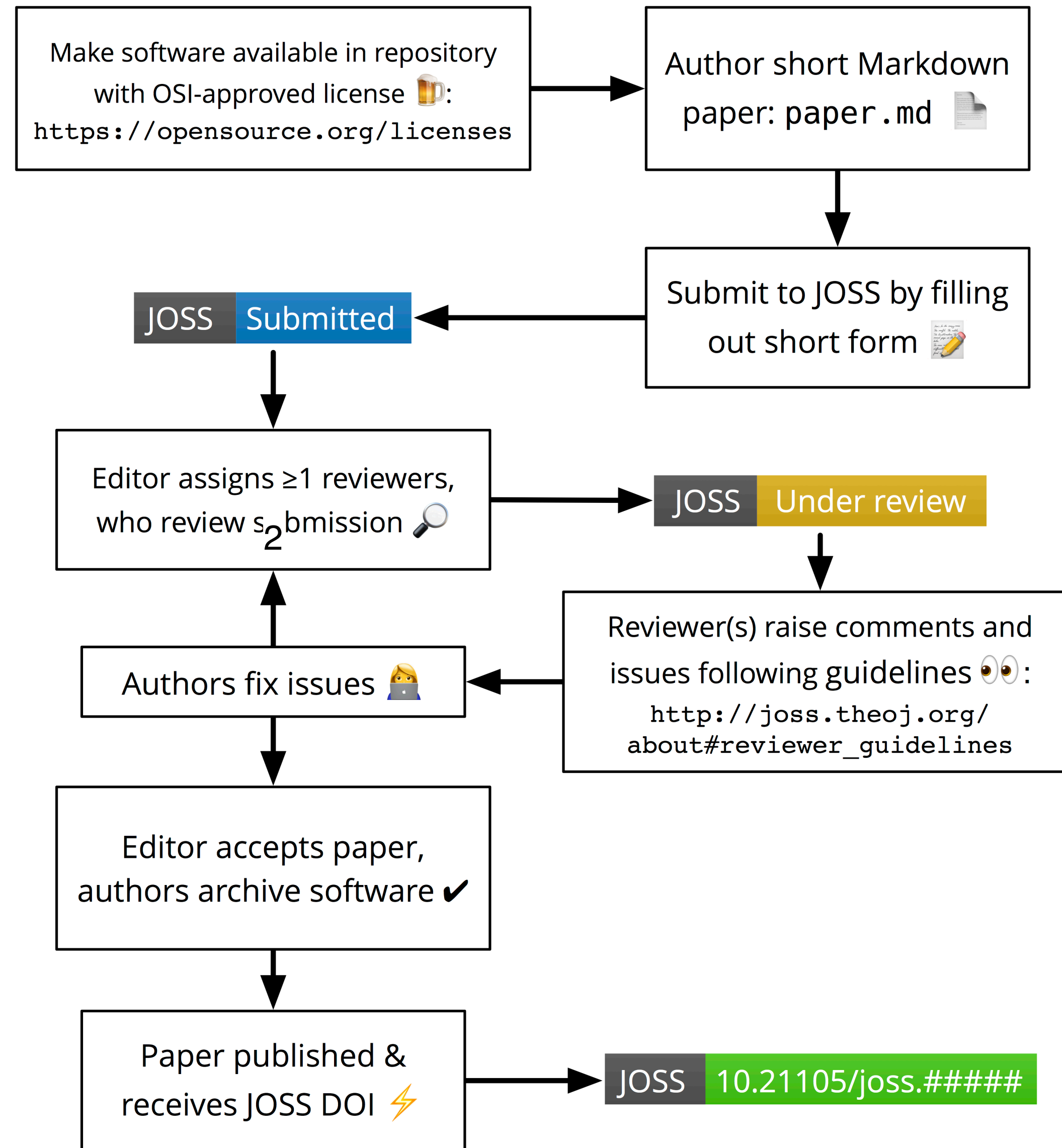
Findable: JOSS publishes a citable paper tied to a software repository, giving the project a stable scholarly record that helps others discover it.

Accessible: JOSS requires the software to be openly available in a public repository with an OSI-approved license, so both the code and its metadata can be retrieved.

Interoperable: JOSS does not enforce interoperability directly, but it rewards clear design thinking, use of existing ecosystems, and explicit explanation of interfaces, architecture, and standards.

Reusable: Review emphasizes documentation, tests, installation guidance, contribution pathways, maintenance practices, and open development history, all of which make software easier to understand, execute, modify, and build on.

JOSS submission and review process



The Journal of Open Source Software is a developer friendly, open access journal for research software packages.

Committed to publishing quality research software with zero article processing charges or subscription fees.

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PUBLISHED Published 1 day ago

feign: a Python package to estimate geometric efficiency in passive gamma spectroscopy measurements of nuclear fuel

Python

 @ezsolti

DOI [10.21105/joss.01650](https://doi.org/10.21105/joss.01650)

Journal of Open Source Software x +

joss.theoj.org/papers/new

The Journal of Open Source Software

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Submit software for review

Title

Repository address

Software version

Suggested editor. View editors [here](#) »

Description

I certify that I am submitting software for which I am a primary author

I confirm that I read and will adhere to the JOSS [code of conduct](#)

Submit paper



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openjournals / joss-reviews

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Code Issues 108 Pull requests 0 Projects 0 Security Insights Settings

[PRE REVIEW]: Sourcepredict: Prediction of metagenomic sample sources using dimension reduction followed by machine learning classification #1535

Edit New issue

Open whedon opened this issue on Jul 1 · 21 comments



whedon commented on Jul 1 • edited

Member + 😊 ...

Submitting author: @maxibor (Maxime Borry)
Repository: <https://github.com/maxibor/sourcepredict>
Version: v0.33
Editor: Pending
Reviewer: Pending

Author instructions

Thanks for submitting your paper to JOSS @maxibor. Currently, there isn't an JOSS editor assigned to your paper.

@maxibor if you have any suggestions for potential reviewers then please mention them here in this thread. In addition, [this list of people](#) have already agreed to review for JOSS and may be suitable for this submission.

Editor instructions

The JOSS submission bot @whedon is here to help you find and assign reviewers and start the main review. To find out what @whedon can do for you type:

@whedon commands

Assignees

- lpantano
- gavinmdouglas
- giraola

Labels

- Jupyter Notebook
- Shell
- TeX
- pre-review

Projects

None yet

Milestone

No milestone

Notifications

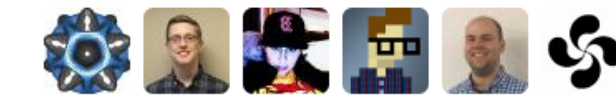
Customize

Subscribe

Subscribe

You're not receiving notifications from this thread.

6 participants



Lock conversation

Pin issue

Transfer issue

whedon added the **pre-review** label on Jul 1



whedon commented on Jul 1 Author Member + 😊 ...

Hello human, I'm @whedon, a robot that can help you with some common editorial tasks.

For a list of things I can do to help you, just type:

```
@whedon commands
```

What happens now?

This submission is currently in a `pre-review` state which means we are waiting for an editor to be assigned and for them to find some reviewers for your submission. This may take anything between a few hours to a couple of weeks. Thanks for your patience 🐱

You can help the editor by looking at [this list of potential reviewers](#) to identify individuals who might be able to review your submission (please start at the bottom of the list). Also, feel free to suggest individuals who are not on this list by mentioning their GitHub handles here.



whedon commented on Jul 1 Author Member + 😊 ...

```
Attempting PDF compilation. Reticulating splines etc...
```

whedon added **Jupyter Notebook** **Shell** **TeX** labels on Jul 1


whedon commented on Jul 1 Author Member + 😊 ...

👉 [Check article proof](#) 📄 👈

Our editorial robot



Detecting programming language

Automated paper compilation


 **kyleneiemeyer** commented on Jul 1 Member + 😊 ...
Hi @mgymrek or @lpantano, can one of you edit this submission?

Managing editor asking editors if they can take submission


  **kyleneiemeyer** referenced this issue on Jul 1
[PRE REVIEW]: SeleDiff: A fast and scalable tool for estimating and testing selection differences between populations #1536 Closed

 **lpantano** commented on Jul 1 Member + 😊 ...
I can take this one. Thanks
 1



Editor agreeing 🎉

 **maxibor** commented on Jul 1 + 😊 ...
Maybe @gavinmdouglas or @giraola could be good reviewers for this article ?


Author suggesting reviewers


 **kyleneiemeyer** commented on Jul 1 Member + 😊 ...
@whedon assign @lpantano as editor


Managing editor asking bot to assign editor

  **whedon** assigned **lpantano** on Jul 1
whedon commented on Jul 1 Author Member + 😊 ...
OK, the editor is @lpantano

 **gavinmdouglas** commented on Jul 2 ... edited

 **gavinmdouglas** commented on Jul 2 • edited ▾ + 😊 ...
I'm interested in reviewing this article @lpantano


 **lpantano** commented on Jul 2 Member + 😊 ...
@gavinmdouglas, thank you!


 **lpantano** commented on Jul 2 Member + 😊 ...
@whedon assign @gavinmdouglas as reviewer

 **whedon** assigned **gavinmdouglas** and unassigned **lpantano** on Jul 2

whedon commented on Jul 2 Author Member + 😊 ...
OK, the reviewer is @gavinmdouglas


 **whedon** assigned **lpantano** on Jul 2

 **giraola** commented on Jul 2 + 😊 ...
I'm available to help if needed.
El mar., 2 jul. 2019 a las 10:59, Lorena Pantano (<notifications@github.com>) escribió:
...

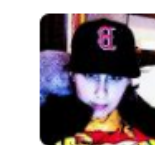
 **lpantano** commented on Jul 2 Member + 😊 ...

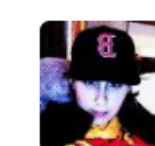
Reviewer #1
volunteering to
review

Editor asking bot to
assign Reviewer #1
as reviewer for
paper



 **giraola** commented on Jul 2 + 😊 ...
I'm available to help if needed.
El mar., 2 jul. 2019 a las 10:59, Lorena Pantano (<notifications@github.com>) escribió:
...

Reviewer #2
volunteering to
review

 **lpantano** commented on Jul 2 Member + 😊 ...
that would be awesome @giraola


 **lpantano** commented on Jul 2 Member + 😊 ...
@whedon add @giraola as reviewer


Editor asking bot to
assign Reviewer #2
as reviewer for
paper

  **whedon** assigned **gavinmdouglas** and **giraola** and unassigned **lpantano** and **gavinmdouglas** on Jul 2

whedon commented on Jul 2 Author Member + 😊 ...
OK, @giraola is now a reviewer

  **whedon** assigned **lpantano** on Jul 2

 **lpantano** commented on Jul 2 Member + 😊 ...
@whedon check references

 **whedon** commented on Jul 2 Author Member + 😊 ...

  whedon assigned lpantano on Jul 2



lpantano commented on Jul 2

Member + 😊 ...

@whedon check references



whedon commented on Jul 2

Author Member + 😊 ...

Attempting to check references...



whedon commented on Jul 2

Author Member + 😊 ...

OK DOIs

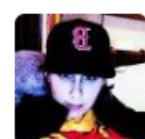
- 10.1186/gb-2014-15-3-r46 is OK
- 10.7717/peerj.4600 is OK
- 10.1038/455481a is OK
- 10.1093/molbev/msw046 is OK
- 10.1128/AEM.01996-06 is OK
- 10.1038/nmeth.1650 is OK
- 10.2307/1942268 is OK

MISSING DOIs

- None

INVALID DOIs

- None



lpantano commented on Jul 2

Member + 😊 ...

@whedon start review

Editor asking bot to check the references for missing DOIs

Bot obliging

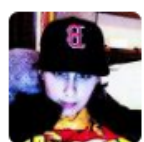
```
- 10.7717/peerj.4600 is OK
- 10.1038/455481a is OK
- 10.1093/molbev/msw046 is OK
- 10.1128/AEM.01996-06 is OK
- 10.1038/nmeth.1650 is OK
- 10.2307/1942268 is OK
```

MISSING DOIs

- None

INVALID DOIs

- None



ipantano commented on Jul 2

Member + 😊 ...

@whedon start review



whedon commented on Jul 2

Author Member + 😊 ...

OK, I've started the review over in [#1540](#). Feel free to close this issue now!



ipantano closed this on Jul 2

Editor asking bot to start the main review



Write

Preview

AA B i “ <> 🔗 ☰ ☷ ✓ @ 📌 ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.



Reopen issue

Comment



Search or jump to...

Pull requests Issues Marketplace Explore



openjournals / joss-reviews

Watch 69 Star 220 Fork 12

Code Issues 108 Pull requests 0 Projects 0 Security Insights Settings

[REVIEW]: Sourcepredict: Prediction of metagenomic sample sources using dimension reduction followed by machine learning classification #1540

Edit New issue

Open whedon opened this issue on Jul 2 · 67 comments



whedon commented on Jul 2 · edited

Member + 😊 ...

Submitting author: @maxibor (Maxime Borry)
Repository: <https://github.com/maxibor/sourcepredict>
Version: v0.34
Editor: @lpantano
Reviewers: @gavinmdouglas, @giraola
Archive: Pending

Status

JOSS Under Review

Status badge code:

```
HTML: <a href="http://joss.theoj.org/papers/f33385c6b7f2c176ae076bb1c4ad50ba"><img src
Markdown: [[status]](http://joss.theoj.org/papers/f33385c6b7f2c176ae076bb1c4ad50ba/sta
```

Reviewers and authors:

Please avoid lengthy details of difficulties in the review thread. Instead, please create a new issue in the [target repository](#) and link to those issues (especially acceptance-blockers) by leaving comments

Assignees

- lpantano
- will-rowe
- gavinmdouglas
- giraola

Labels

review

Projects

None yet

Milestone

No milestone

Notifications

Customize

Unsubscribe

Metadata (editor, author, reviewers)

Badge to include on e.g. GitHub

Checklist for each reviewer

Reviewer instructions & questions

@gavinmdouglas & @giraola, please carry out your review in this issue by updating the checklist below. If you cannot edit the checklist please:

1. Make sure you're logged in to your GitHub account
2. Be sure to accept the invite at this URL: <https://github.com/openjournals/joss-reviews/invitations>

The reviewer guidelines are available here:

https://joss.readthedocs.io/en/latest/reviewer_guidelines.html. Any questions/concerns please let @lpantano know.

✨ Please try and complete your review in the next two weeks ✨

Review checklist for @gavinmdouglas

Conflict of interest

- As the reviewer I confirm that I have read the [JOSS conflict of interest policy](#) and that there are no conflicts of interest for me to review this work.

Code of Conduct

- I confirm that I read and will adhere to the [JOSS code of conduct](#).

General checks

- Repository:** Is the source code for this software available at the [repository url](#)?
- License:** Does the repository contain a plain-text LICENSE file with the contents of an [OSI approved](#) software license?
- Version:** v0.34
- Authorship:** Has the submitting author (@maxibor) made major contributions to the software? Does the full list of paper authors seem appropriate and complete?

Functionality

- Installation:** Does installation proceed as outlined in the documentation?
- Functionality:** Have the functional claims of the software been confirmed?
- Performance:** If there are any performance claims of the software, have they been confirmed?

8 participants



 Lock conversation

 Pin issue 

 Transfer issue

Personal access tokens Pull Request reviews
Pull Request pushes
Organization settings Include your own updates

For a list of things I can do to help you, just type:

@whedon commands



whedon commented on Jul 2 Author Member + 😊 ...

Attempting PDF compilation. Reticulating splines etc...



whedon commented on Jul 2 Author Member + 😊 ...

👉 Check article proof 📄 👈



whedon assigned gavinmdouglas on Jul 3



This was referenced on Jul 4

Error when running example maxibor/sourcepredict#2

🔒 Closed

JOSS review maxibor/sourcepredict#3

🔒 Closed



lpantano assigned lpantano and gavinmdouglas and unassigned lpantano and gavinmdouglas on Jul 15



lpantano commented on Jul 15 Member + 😊 ...

Hi @gavinmdouglas and @giraola, just to check on how the reviewing is going and if you need anything from me. Thanks!

Reviewer opening issues on software repository

```
# List Whedon's capabilities
@whedon commands

# List of editor GitHub usernames
@whedon list editors

# List of reviewers together with programming language preferences and domain expertis
@whedon list reviewers

EDITORIAL TASKS

# Compile the paper
@whedon generate pdf

# Compile the paper from alternative branch
@whedon generate pdf from branch custom-branch-name

# Ask Whedon to check the references for missing DOIs
@whedon check references
```



maxibor commented on Jul 18



@whedon generate pdf

Author asking bot to recompile paper



whedon commented on Jul 18

Author Member + Reaction icons

Attempting PDF compilation. Reticulating splines etc...



whedon commented on Jul 18


Author Member + Reaction icons


👉 Check article proof 📄 👈





gavinmdouglas commented on Jul 19





 **lpantano** commented on Aug 28 Member + 😊 ...
@whedon set v0.34 as version


 **whedon** commented on Aug 28 Author Member + 😊 ...
OK. v0.34 is the version.

 **lpantano** commented on Aug 28 Member + 😊 ...
Thank you, @maxibor, can you update the title you see in the Zenodo link to match the paper title?

 **maxibor** commented on Aug 28 + 😊 ...
Done

 **lpantano** commented on Aug 28 Member + 😊 ...
@whedon set 10.5281/zenodo.3379604 as archive

 **whedon** commented on Aug 28 Author Member + 😊 ...
OK. [10.5281/zenodo.3379604](https://zenodo.org/record/3379604) is the archive.

 **lpantano** commented on Aug 28 Member + 😊 ...
@openjournals/joss-eics, I think this is ready.
👍 1

Editor updating software version associated with review

Editor associating Zenodo software archive with paper

Editor tagging EiC team to accept



labarba commented on Sep 4

Member + 😊 ...

@whedon accept

Managing editor asks bot to do a 'dry run' of accepting paper

whedon commented on Sep 4

Author Member + 😊 ...

Attempting dry run of processing paper acceptance...



whedon commented on Sep 4

Author Member + 😊 ...

Check final proof 🖱️ [openjournals/joss-papers#944](#)

If the paper PDF and Crossref deposit XML look good in [openjournals/joss-papers#944](#), then you can now move forward with accepting the submission by compiling again with the flag

`deposit=true` e.g.

@whedon accept deposit=true

bot produces final proofs of paper and Crossref metadata



labarba commented on Sep 4

Member + 😊 ...

@whedon accept deposit=true



whedon commented on Sep 4

Author Member + 😊 ...

Doing it live! Attempting automated processing of paper acceptance...

whedon added the **accepted** label on Sep 4



labarba commented on Sep 4

Member + 😊 ...

@whedon accept deposit=true

Managing editor asks bot to accept paper

whedon commented on Sep 4

Author Member + 😊 ...

Doing it live! Attempting automated processing of paper acceptance...

whedon added the **accepted** label on Sep 4



whedon commented on Sep 4

Author Member + 😊 ...

👁️ 👁️ 👁️ 📌 Tweet for this paper 📌 👁️ 👁️ 👁️

bot tweets link to paper



whedon commented on Sep 4

Author Member + 😊 ...

🔴 🔴 🔴 THIS IS NOT A DRILL, YOU HAVE JUST ACCEPTED A PAPER INTO JOSS! 🔴 🔴 🔴

Here's what you must now do:

- 0. Check final PDF and Crossref metadata that was deposited 📌 openjournals/joss-papers#945
- 1. Wait a couple of minutes to verify that the paper DOI resolves <https://doi.org/10.21105/joss.01540>
- 2. If everything looks good, then close this review issue.
- 3. Party like you just published a paper! 🎉 🌈 🦄 🐼 🙌

Any issues? notify your editorial technical team...

...and confirms when DOI registered with Crossref



labarba commented on Sep 4

Member + 😊 ...



labarba commented on Sep 4

Member + 😊 ...

Congratulations, @maxibor, your JOSS paper is published! 🚀

Big thanks to our editor: @lpantano, and reviewers: @gavinmdouglas, @will-rowe — we appreciate your contributions to JOSS! 🙏



1



1



labarba closed this on Sep 4



whedon commented on Sep 4

Author Member + 😊 ...

🎉🎉🎉 Congratulations on your paper acceptance! 🎉🎉🎉

If you would like to include a link to your paper from your README use the following code snippets:

Markdown:

```
[![DOI](https://joss.theoj.org/papers/10.21105/joss.01540/status.svg)](https://doi.org
```

HTML:

```
<a style="border-width:0" href="https://doi.org/10.21105/joss.01540">
  
```

reStructuredText:

```
.. image:: https://joss.theoj.org/papers/10.21105/joss.01540/status.svg
   :target: https://doi.org/10.21105/joss.01540
```

This is how it will look in your documentation:

JOSS 10.21105/joss.01540

We need your help!

Journal of Open Source Software is a community-run journal and relies upon volunteer effort. If you'd like to support us please consider doing either one (or both) of the the following:

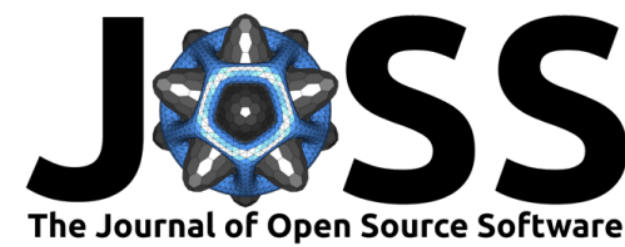
- Volunteering to review for us sometime in the future. You can add your name to the reviewer list

Managing editor
thanks reviewers
and editor

bot closes review

Sourcepredict: Prediction of metagenomic sample sources using dimension reduction followed by machine learning classification

Python Submitted 28 June 2019 • Accepted 04 September 2019



Sourcepredict: Prediction of metagenomic sample sources using dimension reduction followed by machine learning classification

Maxime Borry¹

¹ Department of Archaeogenetics, Max Planck Institute for the Science of Human History, Jena, 07745, Germany

DOI: [10.21105/joss.01540](https://doi.org/10.21105/joss.01540)

Software

- [Review](#)
- [Repository](#)
- [Archive](#)

Submitted: 28 June 2019

Published: 04 September 2019

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Summary

SourcePredict is a Python package distributed through Conda, to classify and predict the origin of metagenomic samples, given a reference dataset of known origins, a problem also known as source tracking.

DNA shotgun sequencing of human, animal, and environmental samples has opened up new doors to explore the diversity of life in these different environments, a field known as metagenomics (Hugenholtz & Tyson, 2008). One aspect of metagenomics is investigating the community composition of organisms within a sequencing sample with tools known as taxonomic classifiers, such as Kraken (Wood & Salzberg, 2014).

In cases where the origin of a metagenomic sample, its source, is unknown, it is often part of the research question to predict and/or confirm the source. For example, in microbial archaeology, it is sometimes necessary to rely on metagenomics to validate the source of paleofaeces. Using samples of known sources, a reference dataset can be established with the taxonomic composition of the samples, i.e., the organisms identified in the samples as features, and the sources of the samples as class labels.

With this reference dataset, a machine learning algorithm can be trained to predict the source of unknown samples (sinks) from their taxonomic composition.

[Software repository](#)

[Paper review](#)

[Download paper](#)

[Software archive](#)

Review

Editor: [@lpantano](#)

Reviewers: [@gavinmdouglas](#), [@giraola](#), [@will-rowe](#)

Authors

[Maxime Borry \(0000-0001-9140-7559\)](#)

Citation

Borry, (2019). Sourcepredict: Prediction of metagenomic sample sources using dimension reduction followed by machine learning classification. Journal of Open Source Software, 4(41), 1540, <https://doi.org/10.21105/joss.01540>

[Copy BibTeX entry »](#)

Tags

[microbiome](#) [source tracking](#) [machine learning](#)

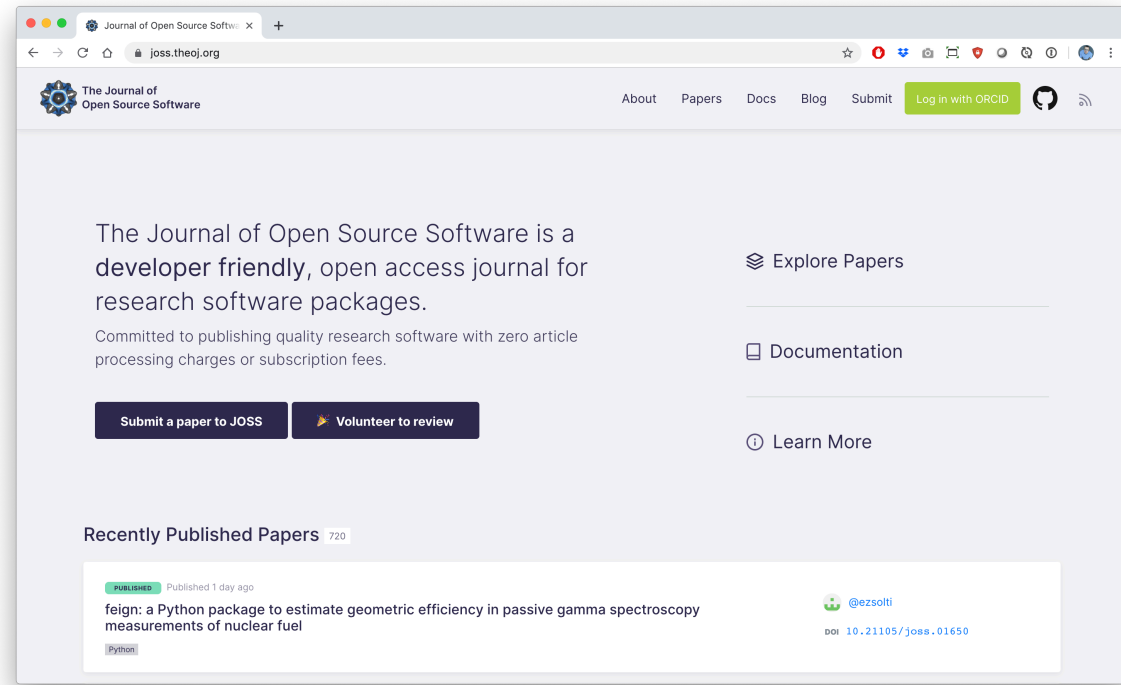
Altmetrics



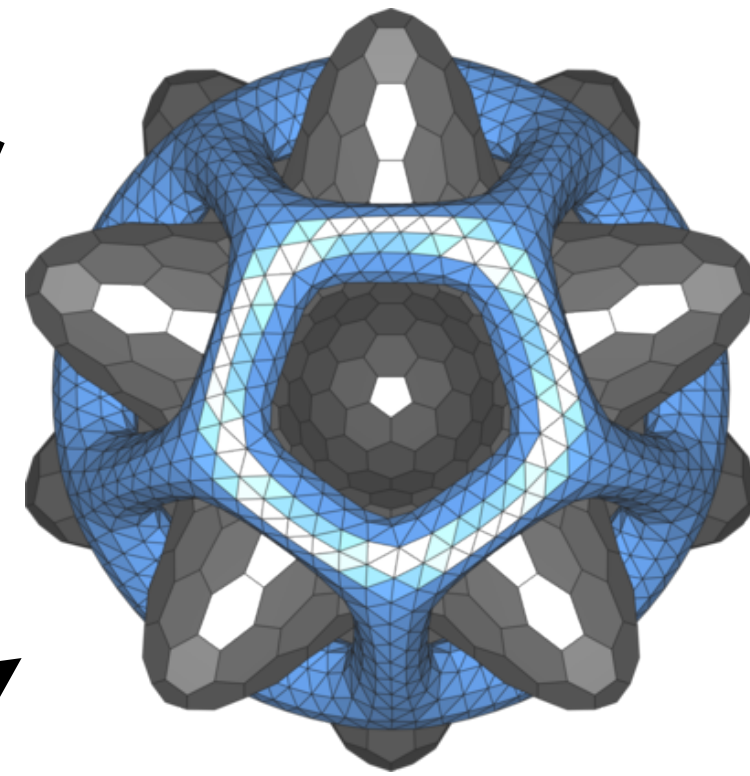
Markdown badge

JOSS [10.21105/joss.01540](https://doi.org/10.21105/joss.01540)

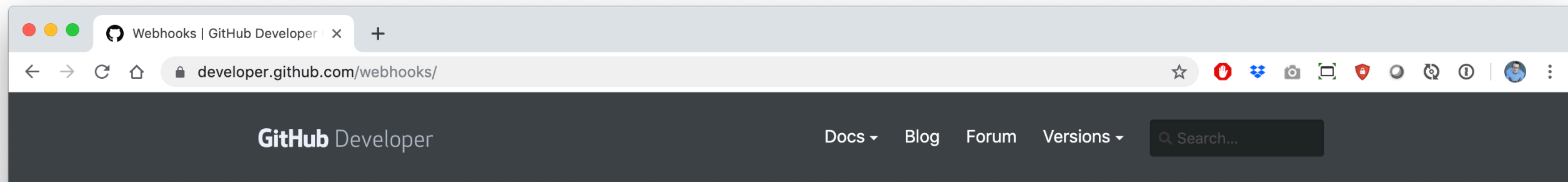
Bot-assisted communities



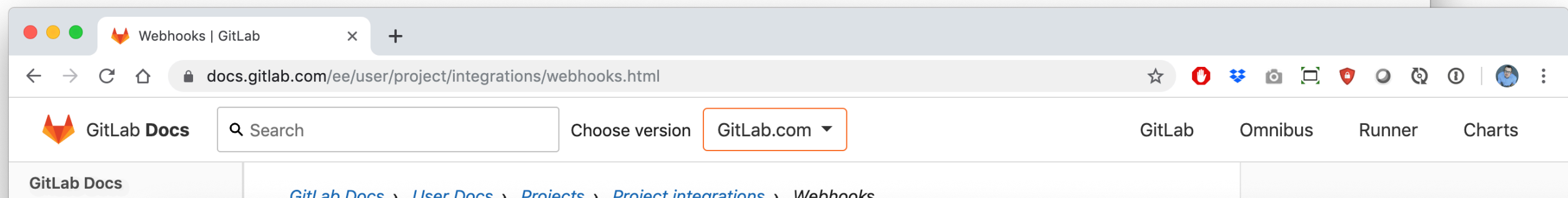
GitHub



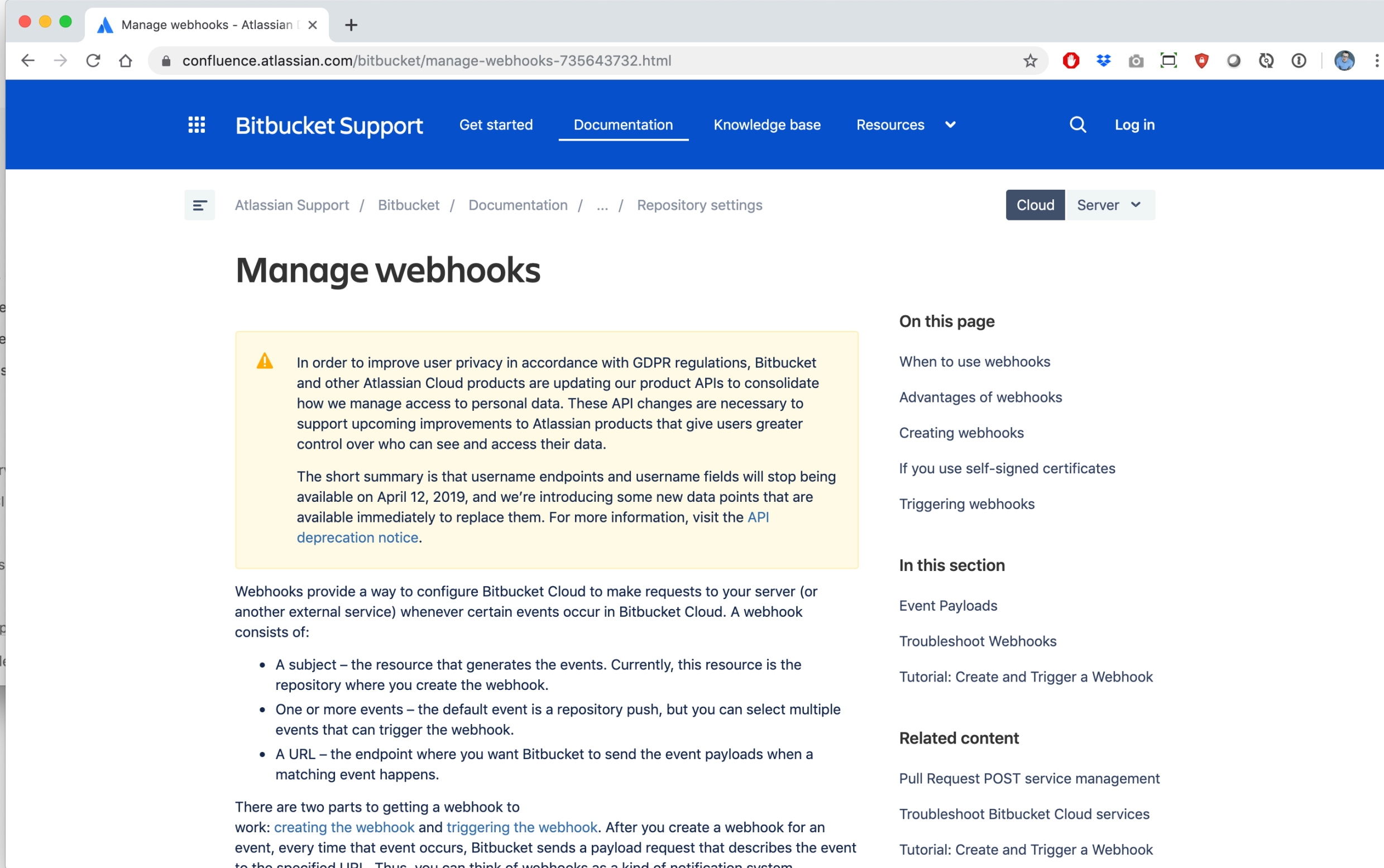
Powered by 'webhooks'



Webhooks | GitHub Developer | developer.github.com/webhooks/



Webhooks | GitLab | docs.gitlab.com/ee/user/project/integrations/webhooks.html



Manage webhooks - Atlassian | confluence.atlassian.com/bitbucket/manage-webhooks-735643732.html

Manage webhooks

Warning: In order to improve user privacy in accordance with GDPR regulations, Bitbucket and other Atlassian Cloud products are updating our product APIs to consolidate how we manage access to personal data. These API changes are necessary to support upcoming improvements to Atlassian products that give users greater control over who can see and access their data.

The short summary is that username endpoints and username fields will stop being available on April 12, 2019, and we're introducing some new data points that are available immediately to replace them. For more information, visit the [API deprecation notice](#).

Webhooks provide a way to configure Bitbucket Cloud to make requests to your server (or another external service) whenever certain events occur in Bitbucket Cloud. A webhook consists of:

- A subject – the resource that generates the events. Currently, this resource is the repository where you create the webhook.
- One or more events – the default event is a repository push, but you can select multiple events that can trigger the webhook.
- A URL – the endpoint where you want Bitbucket to send the event payloads when a matching event happens.

There are two parts to getting a webhook to work: [creating the webhook](#) and [triggering the webhook](#). After you create a webhook for an event, every time that event occurs, Bitbucket sends a payload request that describes the event to the specified URL. Thus, you can think of webhooks as a kind of notification system.

On this page

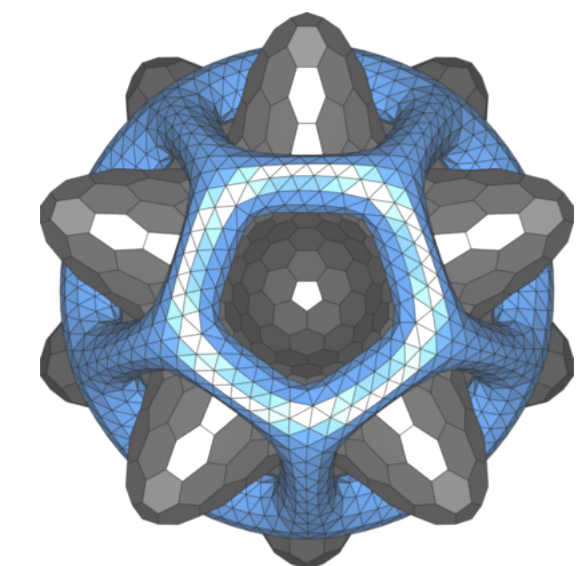
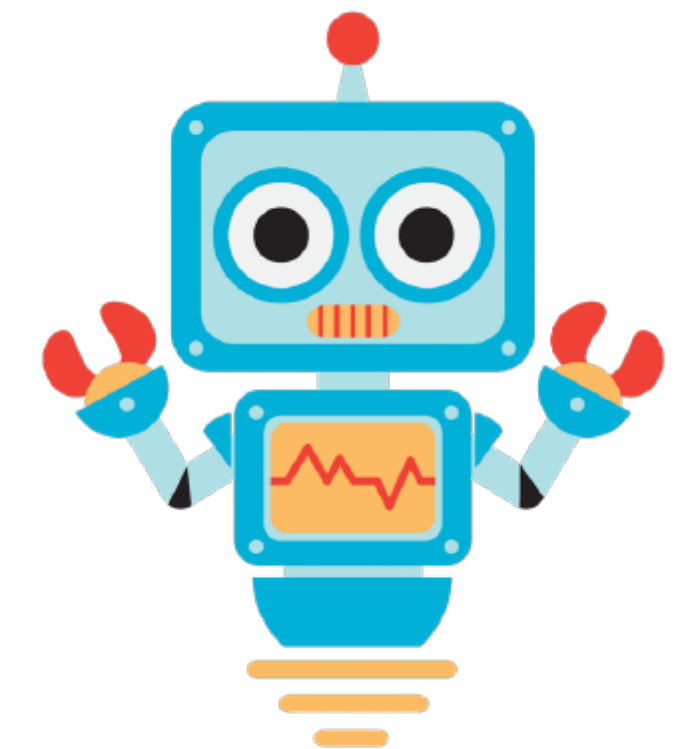
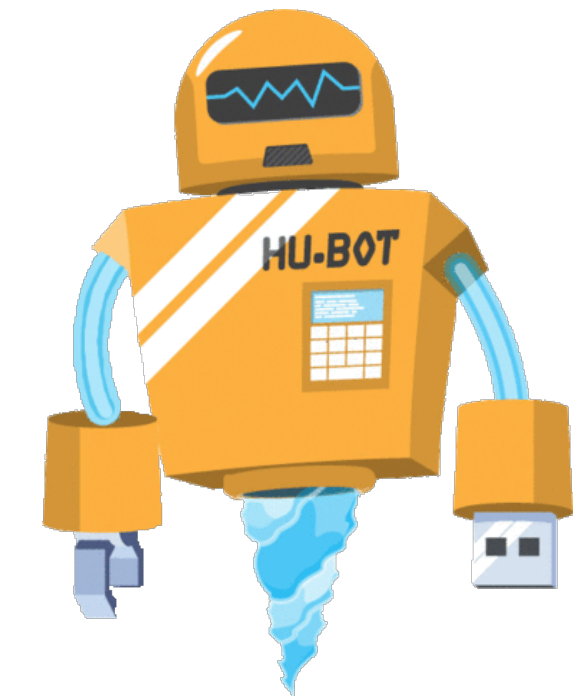
- When to use webhooks
- Advantages of webhooks
- Creating webhooks
- If you use self-signed certificates
- Triggering webhooks

In this section

- Event Payloads
- Troubleshoot Webhooks
- Tutorial: Create and Trigger a Webhook

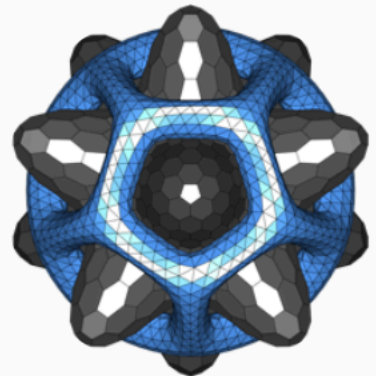
Related content

- Pull Request POST service management
- Troubleshoot Bitbucket Cloud services
- Tutorial: Create and Trigger a Webhook



Cost models for running an onli x +



blog.joss.theoj.org/2019/06/cost-models-for-running-an-online-open-journal



Journal of Open Source Software Blog

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Blog for the Journal of Open Source Software <http://joss.theoj.org>



4 JUN, 2019 · BLOG

Cost models for running an online open journal

The Journal of Open Source Software (JOSS) is a free, open-access online journal, with no article processing charge (APC). We are committed to operating as a free service to our community, and we do so thanks to the volunteer labor of editors and reviewers, and by taking advantage of existing infrastructure. In this post, we examine the true costs of running a journal such as JOSS, and make the case that even when considering all services we don't currently pay for, the true cost per paper would not exceed \$100. Current APCs at many "gold" open-access journals exceed that by one or more orders of magnitude, (see, for example, [PNAS](#), [Nature](#), [IEEE](#), etc.)

Real costs we **have** to pay

- Annual Crossref membership: \$275/year
- JOSS paper DOIs: \$1/accepted paper
- JOSS website hosting: \$19/month
- JOSS domain name registration: \$10/year

At 300 papers/year, this is \$813, or \$2.71/paper. This is what we actually pay today, covered by a grant from the Alfred P. Sloan Foundation.

JOSS is a fiscally sponsored project of NumFOCUS, through which we can receive

<https://blog.joss.theoj.org/2019/06/cost-models-for-running-an-online-open-journal>

Extracting a bot framework

https://github.com/openjournals/buffy

openjournals / buffy Public

Watch 3 Star 10 Fork 5

Code Issues 6 Pull requests 1 Discussions Actions Projects 1 Wiki Security Insights Settings

main 3 branches 0 tags

Go to file Add file Code

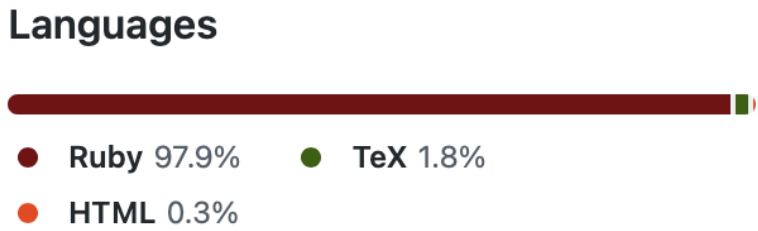
About

	xuanxu log errored workflow calls	✓ 45ec411 6 days ago	🕒 445 commits
📁	.github/workflows	update ruby	12 days ago
📁	app	log errored workflow calls	6 days ago
📁	config	add responder to add checklist editing reviewer a comment	2 months ago
📁	docs	update workflow_ref param	6 days ago
📁	spec	log errored workflow calls	6 days ago
📄	.gitignore	add gitignore	2 years ago
📄	.rspec	add rspec config	2 years ago
📄	.ruby-version	update ruby	12 days ago
📄	Gemfile	add custom ruby version to Gemfile	12 days ago
📄	Gemfile.lock	bundle update	2 months ago
📄	Gemfile_custom	add custom Gemfile	7 months ago
📄	LICENSE	clean slate restructure	2 years ago
📄	Procfile	increase worker's timeout	9 months ago
📄	README.md	rename action	7 months ago
📄	config.ru	rename lib to app	2 years ago
📄	package.json	create package.json for dependencies	13 months ago

Editorial bots generator
buffy.readthedocs.io
editorial-bot
Readme
MIT License

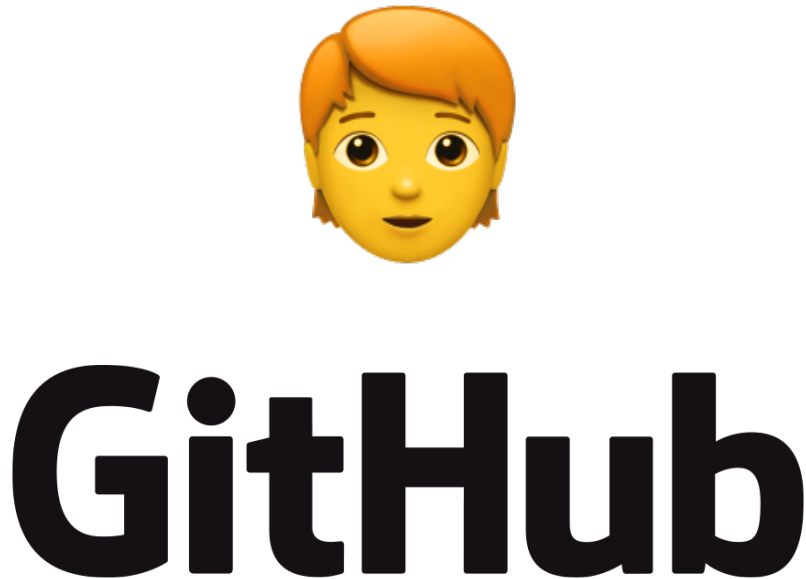
- Contributors 4
- xuanxu Juanjo Bazán
 - arfon Arfon Smith
 - maelle Maëlle Salmon
 - olleolleolle Olle Jonsson

Environments 1
buffy-joss-test Active

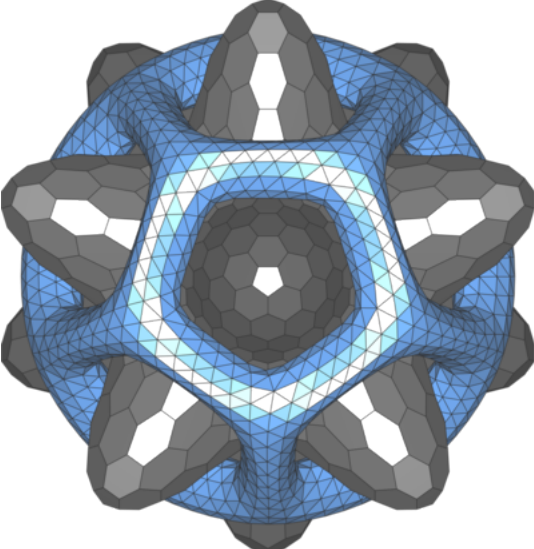


README.md

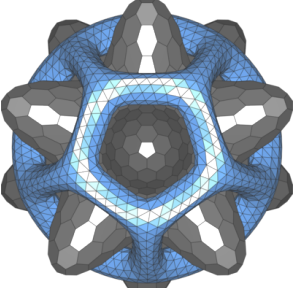
<https://github.com/openjournals/buffy>



comment from human



respond and/or issue API command



capture input, apply some logic

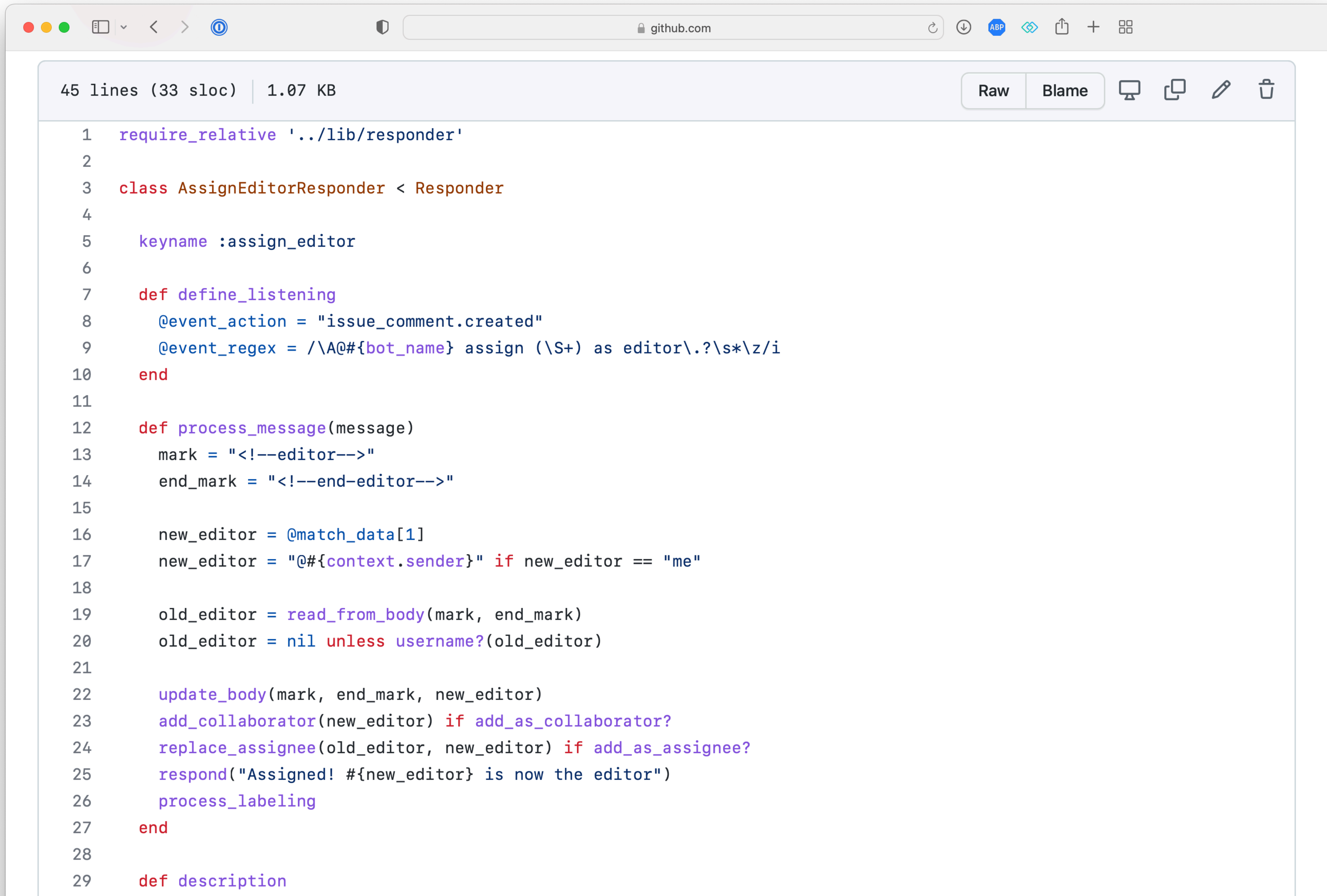
Responders

https://github.com/openjournals/buffy

The screenshot shows a web browser window displaying a GitHub repository page. The browser's address bar shows 'github.com'. The repository path is 'main buffy / app / responders /'. At the top right, there are buttons for 'Go to file', 'Add file', and a menu icon. Below the repository path, a commit by 'xuanxu' is highlighted, with the message 'update workflow_ref param' and a commit hash '2e07439' from '6 days ago'. A 'History' link is visible next to the commit. Below the commit, a list of files is shown, each with a file icon, the filename, a brief description of the commit message, and the time since the last commit. The files listed are:

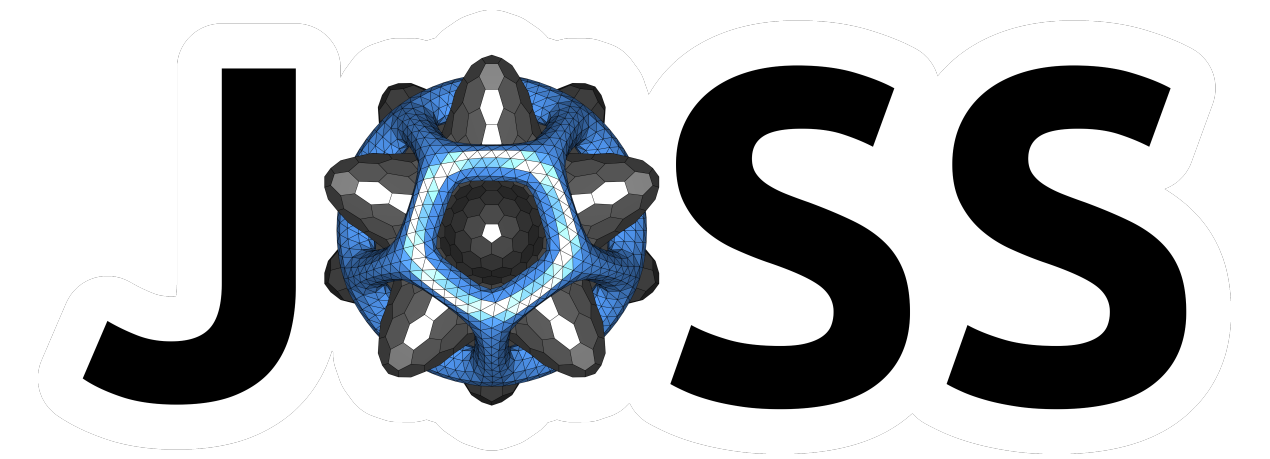
File Name	Commit Message	Time Ago
..		
add_and_remove_assignee_responder.rb	allow ending command sentence with a dot	7 months ago
add_and_remove_user_checklist_responder.rb	allow ending command sentence with a dot	7 months ago
assign_editor_responder.rb	allow ending command sentence with a dot	7 months ago
assign_reviewer_n_responder.rb	allow ending command sentence with a dot	7 months ago
basic_command_responder.rb	allow ending command sentence with a dot	7 months ago
check_references_responder.rb	allow ending command sentence with a dot	7 months ago
close_issue_command_responder.rb	allow ending command sentence with a dot	7 months ago
external_service_responder.rb	allow ending command sentence with a dot	7 months ago
github_action_responder.rb	update workflow_ref param	6 days ago
hello_responder.rb	allow ending command sentence with a dot	7 months ago
help_responder.rb	allow ending command sentence with a dot	7 months ago
initial_values_responder.rb	use single line	2 months ago
invite_responder.rb	allow ending command sentence with a dot	7 months ago
label_command_responder.rb	allow ending command sentence with a dot	7 months ago
list_of_values_responder.rb	allow ending command sentence with a dot	7 months ago
remove_editor_responder.rb	allow ending command sentence with a dot	7 months ago
remove_reviewer_n_responder.rb	allow ending command sentence with a dot	7 months ago
repo_checks_responder.rb	allow ending command sentence with a dot	7 months ago
reviewer_checklist_comment_responder.rb	add responder to add checklist editing reviewer a comment	2 months ago
set_value_responder.rb	allow missing strategies for set_value_responder via if_missing confi...	4 months ago
thanks_responder.rb	access bot_name using method	9 months ago

<https://github.com/openjournals/buffy>

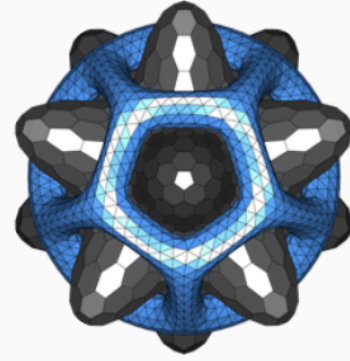


The image shows a browser window displaying a GitHub code viewer for a file named 'AssignEditorResponder'. The browser's address bar shows 'github.com'. The code viewer interface includes a header with '45 lines (33 sloc) | 1.07 KB' and buttons for 'Raw', 'Blame', and other actions. The code is Ruby and defines a class 'AssignEditorResponder' that inherits from 'Responder'. It includes methods for defining listening events, processing messages to update the editor, and adding collaborators.

```
1  require_relative '../lib/responder'
2
3  class AssignEditorResponder < Responder
4
5      keyname :assign_editor
6
7      def define_listening
8          @event_action = "issue_comment.created"
9          @event_regex = /\A@#{bot_name} assign (\S+) as editor\.\?\s*\z/i
10     end
11
12     def process_message(message)
13         mark = "<!--editor-->"
14         end_mark = "<!--end-editor-->"
15
16         new_editor = @match_data[1]
17         new_editor = "@#{context.sender}" if new_editor == "me"
18
19         old_editor = read_from_body(mark, end_mark)
20         old_editor = nil unless username?(old_editor)
21
22         update_body(mark, end_mark, new_editor)
23         add_collaborator(new_editor) if add_as_collaborator?
24         replace_assignee(old_editor, new_editor) if add_as_assignee?
25         respond("Assigned! #{new_editor} is now the editor")
26         process_labeling
27     end
28
29     def description
```



Evolving JOSS' scope in the
event of LLM-enabled
development



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Software • <https://joss.theoj.org>



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5 JAN, 2026 • ANNOUNCEMENTS

Preparing JOSS for a generative AI future: From code to human creativity and design

Arfon M. Smith

JOSS was created with the goal of providing scholarly credit to the developers of software that was or would be useful in research. That software must be useful for research has been a criterion from the start.

Five years ago, we introduced a second criterion, “*substantial scholarly effort*”, to ensure that we publish meaningful contributions to research software. Our benchmark at the time – at least roughly three months of developer time – offered a practical, human-centered proxy for effort. For that era, it served us well.

Today, the landscape is fundamentally different. Where generating code once took three months, in some cases this can now be accomplished in three days – or even three hours – with generative AI tools. With AI agents increasingly capable of producing entire codebases from natural language prompts, the marginal cost of code generation is rapidly approaching zero. This transformation in what is possible to create in a short period of time, sometimes without even [directly interacting with code](#), enables people of all backgrounds to create new software tools. It also poses a fundamental challenge: how do we evaluate what constitutes credit-worthy, publishable research software contributions?

Recognizing value in the age of generative AI

If the marginal cost of code generation is rapidly approaching zero, how do we evaluate what constitutes credit-worthy, publishable research software contributions?

Impact: Demonstrate realized or near-term research value through use, adoption, benchmarks, or reproducible examples. Clarify what is uniquely scholarly about the software.

Design: Explain the key trade-offs, architecture, and conceptual framework, especially how the project builds thoughtfully on existing tools.

Open-source practice: Show evidence of open, maintainable development through testing, documentation, governance, and community contribution pathways.

Development history: Strong projects show sustained public development, multiple contributors, and iterative refinement; private projects need at least six months of public history before submission.

Thanks!



Alfred P. Sloan
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