

GitHub for IVOA Standards

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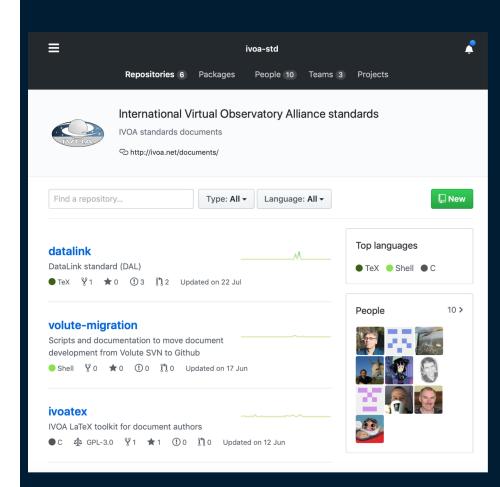






IVOA GitHub Approach

- Hosted at https://github.com/ivoa-std
- One repository for each standard
- Shows the current development of the standard
- Use issues to track work
- License: CC-BY-SA





Git Terminology

Term	Description
Repository	Collection of files managed by git (aka repo)
Fork	Make a copy of a GitHub repo in your own GitHub account
Branch	Create a separate track of the code to work on
Clone	Create a local copy of the repo

Term	Description
Pull	Download the changes made by others
Commit	Make a change to your local copy of a repository
Push	Push any local changes up to your repo in GitHub
Pull Request	Request that your changes be pulled into the main repository (aka PR)



IVOA Roles

- IVOA Community
 - Raise issues
 - Fork repository
 - Make changes in forked repo
 - Raise pull requests

- Editors, working group chair & vice chair
 - Review and merge pull requests
- TCG chair and vice-chair
 - Create new repositories



Repository Organisation

- Master shows work on next version
 - Activity on the standard is publicly visible
- IVOA community updates master via pull requests

- Use tags to mark
 - v1.0-20191013-WD Working draft releases
 - v1.0-20191014-PR Proposed recommendations
 - v1.0-REC Recommendation



Process Overview

We are using the GitHub flow

- 1. Raise Issue
- 2. Fork repo
- 3. Clone your repo
- 4. Create branch for change Named after the issue#

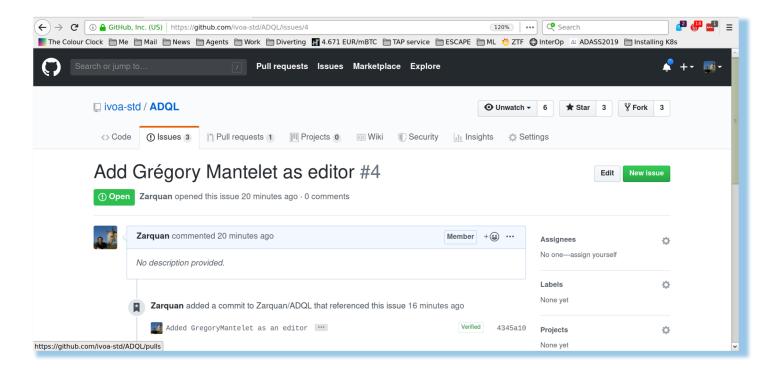
- 5. Commit changes to branch
- 6. Push to your repo
- 7. Raise pull request



Demonstration

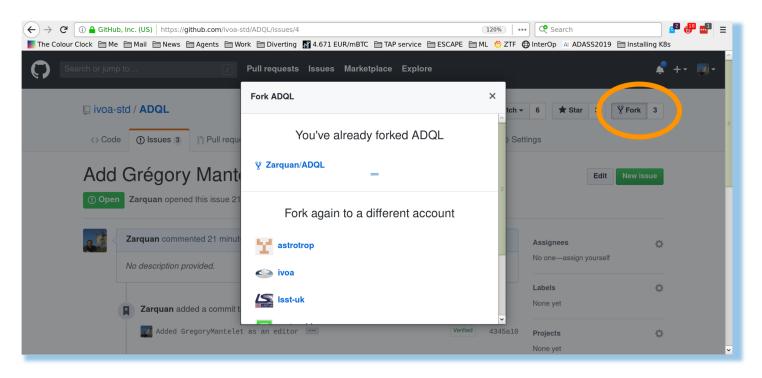


1. Raise Issue



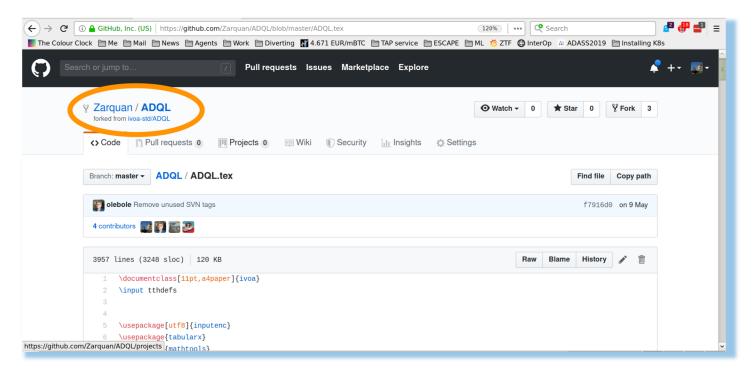


2. Fork Repo



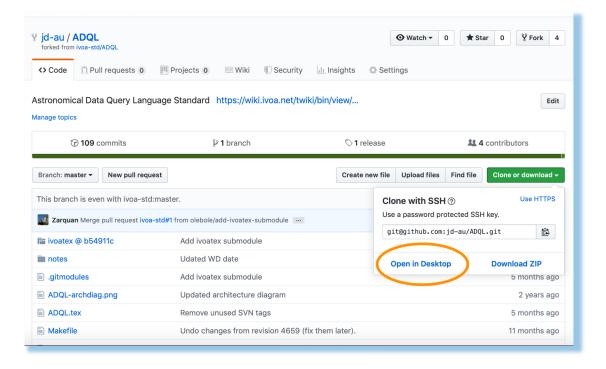


2. Fork Repo



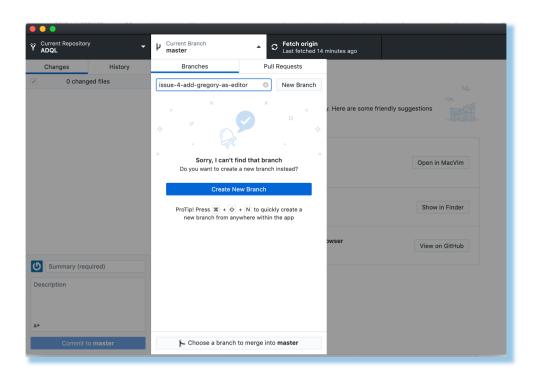


3. Clone Repository



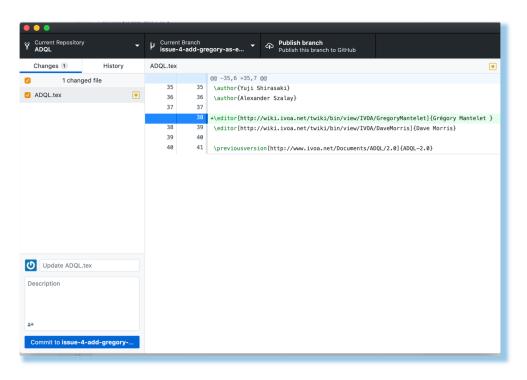


4. Create Branch



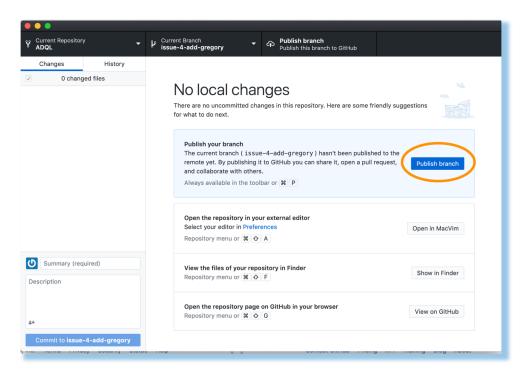


5. Commit changes to branch

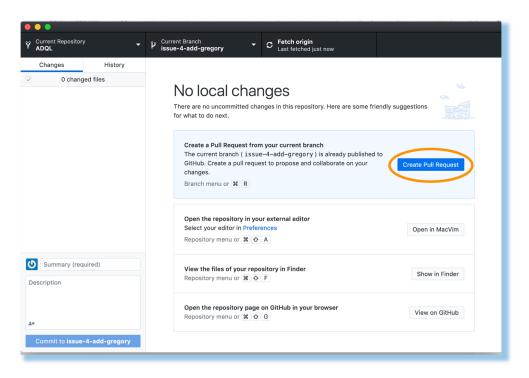




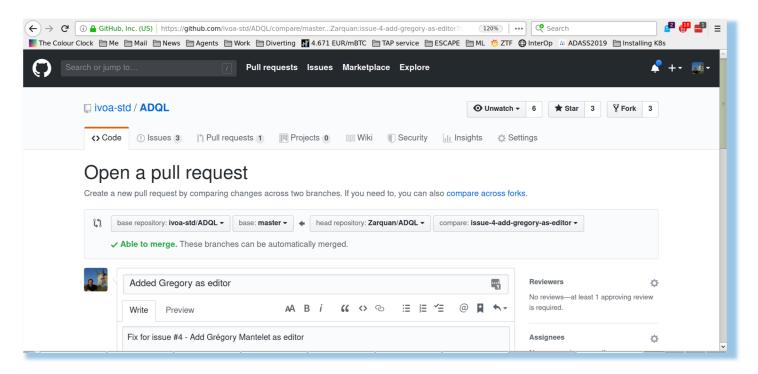
6. Push to your repo



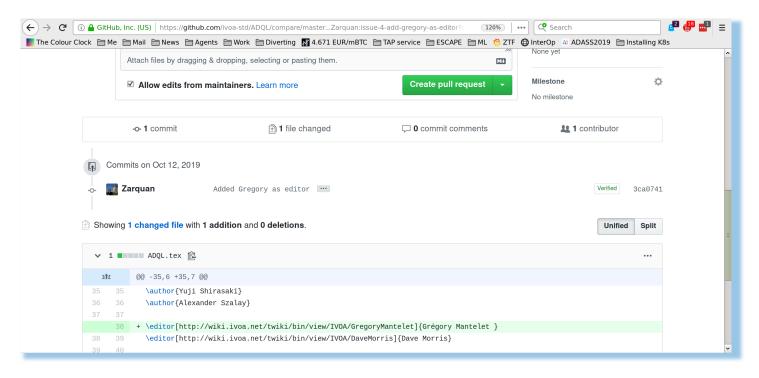




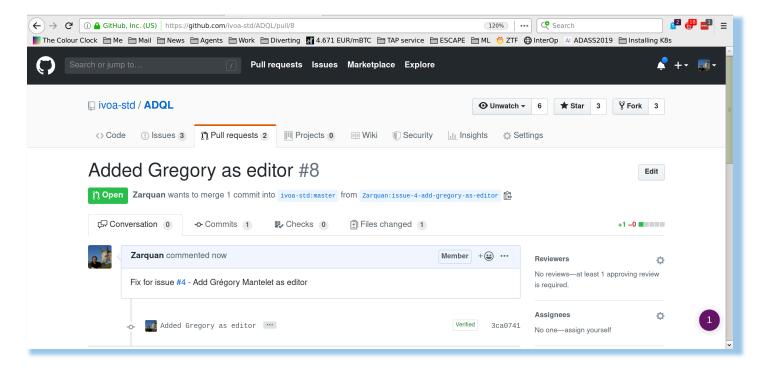




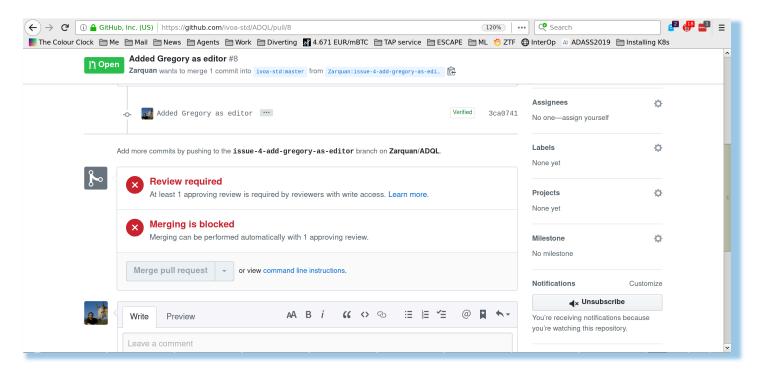






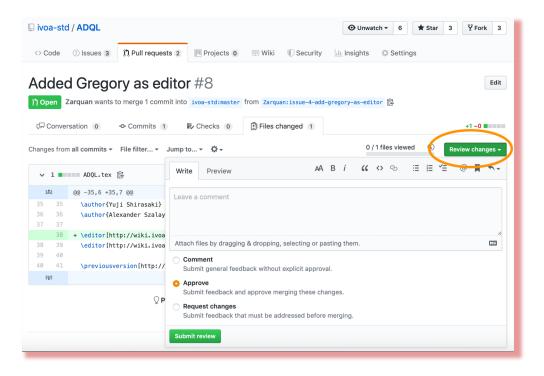






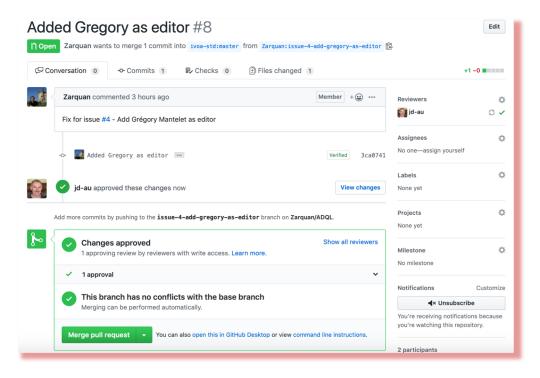


Editor – Review Pull Request



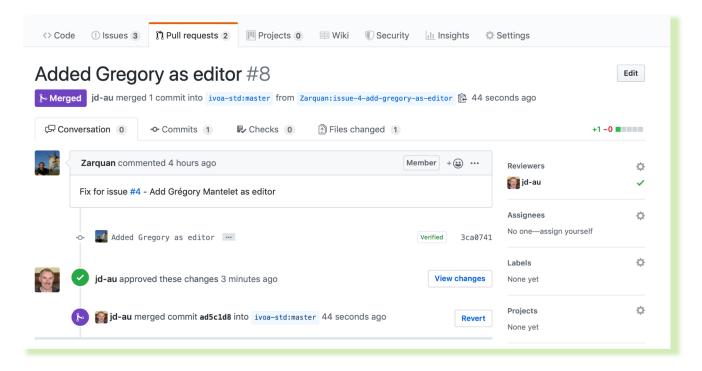


Editor – Merge Pull Request





Change Complete





Useful Tools

- Documentation
 - GitHub flow https://guides.github.com/introduction/flow/
 - How to fork a repo https://guides.github.com/activitie
 s/forking/
 - GitHub Issues https://guides.github.com/feature
 s/issues/

- Desktop Tools
 - GitHub Desktop
 - Atlassian SourceTree
 - GitKraken



Try it out

- GitHub practice repository
 - https://github.com/octocat/Spoon-Knife
 - Fork, change, pull request



Thank you

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