Hands-on tutorial: Using the Github web interface for authoring Internet-Drafts

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Overview Tutorial Content

Tutorial 1:
Using the Github web interface for reviewing Internet-Drafts

- Handling issues (open an issue/comment on an issue)
- Creating a Pull Request (PR)
- Reviewing PRs (comment on a PR/propose a commit)

Tutorial 2:
Using the Github web interface for authoring Internet-Drafts

- Create/fork a repo based on the template
- Edit the draft/create PRs
- Request reviews of PRs
- Assign PRs to issues
- Create and use labels/ assign an issue
- merge PRs/resolve merge conflicts
- resolve build issues
- submit a new draft version

Tutorial 3:
Using of the Github web interface for chairs

- Create a new GitHub org
- Create a repo/move a repo
- Manage members and access rights
- Setup automated postings to mailing list

Why to use Github for authoring Internet-Draft?

- Use of template makes tooling easy
  - Easy setup by forking the template
  - Automated process is integrated with IETF datatracker for submission
- Improved Collaboration Efficiency
  - Issues provide transparency and help efficient management
  - PRs make proposal of concrete changes easy and track contributions

Overview of this session

- **Hands-on for the GitHub web interface**: The tutorial focuses on the use of the GitHub draft template and web interface based workflows for authoring Internet-Drafts
- **Use of i-d-template Repository**: This session uses the i-d-template repository to provide tooling and automation for draft authoring in markdown, issue tracking, and submission.

This session includes:

- **Repository and initial draft creation using the Draft template**
- **Iterative Editing and Pull Requests** (PRs)
- **Review, Feedback, and Refinement** using issues and commenting on PRs
- **Automated validation and final submission**

Prerequisites:

- Github account
- Basic knowledge about formatting in Markdown
- Optionally: Idea/plan to write a draft
- No knowledge on git needed

Create the repo and setup the initial draft version

Draft template repo at: https://github.com/martinthomson/internet-draft-template

Contains:

- README
- draft template file (.md or .xml)
- .github/workflows → CI automation

In the README, simply click on "Click here to create a new repository using the template."

- Enter your repo name and optionally description
- Important: Ensure to check "**Include all branches"!**

Repo is created! Now edit the draft template in your new repo to enable the automated build process!

- Rename draft: file name as well as draft name in the md/xml file!
- Modify metadata and initial content as needed!
- Directly commit to main branch

- Manage setting to add co-contributors

Edit the draft by creating, updating, and merging PRs

Optionally create an issue, use labels and select assignees

- Useful labels: “editorial”/”clarification”/”design change” or ”needs discussion”/”has PR/resolution”/”no action needed”

Create PR: Edit draft and commit change by selecting “Create a **new branch** for this commit and start a pull request”

- Link issue by using github keywords “closes”/”Fixes”/”resolves”
  (see https://docs.github.com/en/get-started/writing-on-github/working-with-advanced-formatting/using-keywords-in-issues-and-pull-requests# **)**

Optionally request reviews

Review PRs using inline comment or suggested commits

Merge PR and resolve potentially merge conflicts

Submit the draft by adding a tag

If needed, resolve any build errors; common issues are:

- Formatting errors
- Broken references
- Markdown syntax issues
- For use of aasvg, it's recommended to add the file package.json, see https://github.com/cabo/kramdown-rfc/wiki/SVG

Check draft formatting and content in editor's copy on github pages

Create tag and confirm submission by email

- Ensure the email address used in the draft is also associated with your datatracker account
- Important tag name needs to be the same as draft name!

- In case of problems you might need to delete the release/tag and try again