

# **Kubernetes Release Notes**

## **Tips and Tricks**

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# About me

- Kubernetes Release Team (1.11 -> 1.13)
- Co-Founder & CTO of infrastructure analytics startup called Kolide
- Enthusiastic Go Developer
- I play the bass and love the outdoors



# The Developer Process

# Creating a PR

The screenshot shows the GitHub web interface for creating a pull request. The browser address bar shows the URL `https://github.com/kubernetes/kubernetes/compare/master...marpaia:feature-branch`. The repository name `kubernetes / kubernetes` is displayed at the top, along with statistics: 2,837 Watchers, 44,933 Stars, and 15,567 Forks. Below the repository name, there are tabs for `Code`, `Issues 2,202`, `Pull requests 1,007`, `Projects 12`, and `Insights`.

The main heading is **Open a pull request**, with a subtext: `Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.`

The comparison configuration is shown as follows:

- base fork: `kubernetes/kubernetes`
- base: `master`
- head fork: `marpaia/kubernetes`
- compare: `feature-branch`

A green checkmark indicates: `✓ Able to merge. These branches can be automatically merged.`

The pull request title field contains `Totally awesome new feature`. Below the title, there are `Write` and `Preview` tabs, and a rich text editor toolbar with options for bold, italic, quote, link, list, and other formatting.

The body of the pull request contains the following text:

```
**Does this PR introduce a user-facing change?**:
<!--
If no, just write "NONE".
If yes, a release note is required:
Enter your extended release note in the block below. If the PR requires additional action from users
switching to the new release, include the string "action required".
2.
-->
```release-note
...

```

At the bottom of the form, there is a checkbox `Allow edits from maintainers. Learn more` and a green `Create pull request` button.

On the right side, there are **Helpful resources** including `Contributing`, `Code of conduct`, and `Support`.

# Prow Commands

The screenshot shows a GitHub pull request page for the repository `kubernetes/kubernetes` with the pull request number `71795`. The browser address bar shows the URL `https://github.com/kubernetes/kubernetes/pull/71795`. The pull request title is `fix sample apiserver version priority misconfiguration` by user `bba453a`.

At the top, there is a form titled "Does this PR introduce a user-facing change?:" with an empty text input field.

The main content area shows a series of events:

- A comment from `k8s-ci-robot` (Member) posted 3 hours ago: "@zjj2wry: Adding the 'do-not-merge/release-note-label-needed' label because no release-note block was detected, please follow our [release note process](#) to remove it." Below the comment is a "Details" link.
- An action from `k8s-ci-robot` (Member) posted 3 hours ago: "added `kind/bug` `size/XS` `do-not-merge/release-note-label-needed` `needs-sig` `needs-priority` `cncf-cla: yes` labels".
- A comment from `zjj2wry` (Member) posted 3 hours ago: `/release-note-none`.
- An action from `k8s-ci-robot` (Member) posted 3 hours ago: "added `release-note-none` and removed `do-not-merge/release-note-label-needed` labels".

On the right side of the page, there are several sections:

- Milestone:** No milestone.
- Notifications:** A "Subscribe" button and a message: "You're not receiving notifications from this thread."
- 3 participants:** A list of three participants: `bba453a`, `k8s-ci-robot`, and `zjj2wry`.

# Getting Help

The screenshot shows a GitHub repository page for the 'community' directory. The browser address bar shows the URL: `https://github.com/kubernetes/community/blob/master/contributors/guide/release-notes.md`. The repository name is 'kubernetes / community' with 509 watches, 2,902 stars, and 1,629 forks. The current file is 'release-notes.md' on the 'master' branch. A pull request is open, titled 'Update the release notes guide to reference recently added labels', created by 'marpaia' on Sep 12. The pull request description includes the following text:

## Adding Release Notes

On the kubernetes/kubernetes repository, release notes are required for any pull request with user-visible changes, such as bug-fixes, feature additions, and output format changes.

To meet this requirement, do one of the following:

- Add notes in the release notes block, or
- Update the release note label

If you don't add release notes in the pull request template, the `do-not-merge/release-note-label-needed` label is added to your pull request automatically after you create it. There are a few ways to update it.

To add a release-note section to the pull request description:

For pull requests with a release note:

```
```release-note
Your release note here
```
```

# Editing your note after your PR has been merged

- Feel free to edit the text of your release note after your PR is merged
- The release notes tooling pulls note text from PR descriptions after the fact



# Document Generation and Copy Editing

- Towards the end of the release, we generate a document that its organized by SIG with sections like “Urgent Upgrade Notes”, “Bug Fixes”, etc
- All notes and themes are copy-edited for consistency, grammar, etc
- Document is copied back into git (k/sig-release) before the release is cut

# Tips & Tricks

# Write like you're from the future

- “Added” instead of “Add”
- “Fixed” instead of “Fix”
- “Updated” instead of “Update”
- “Bumped” instead of “Bump”
- “Enabled” instead of “Enable”
- “Now displays” instead of “Will now display”

# Use SIG and Kind Labels

- SIG and (some) kind labels are used by automation to organize the document
- Add a SIG label to your PR with: `/sig release`
- Add a kind label with: `/kind feature`
- Also use: `/kind bug`, `/kind api-change`, `/kind new-api`

# Don't write notes for non-user facing changes

- Many changes are helpful for contributors but not end-users
- Test improvements, bumping the version of development dependencies, removing dead code from the codebase, etc
- Don't be afraid to `/release-note-none`

# Grammar and Context

- Capitalize the first letter of the sentence
- Use appropriate punctuation
- Don't rely on context that is not included in the note text

# Use markdown formatting

- Use backticks around CLIs, flags, etc.
- Use the appropriate wrappers for bold and italics if necessary
- Capitalize things consistently

# Thank you!

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