



SIG Security: Succession Planting for a Flowering Future

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Intro to SIG-Security



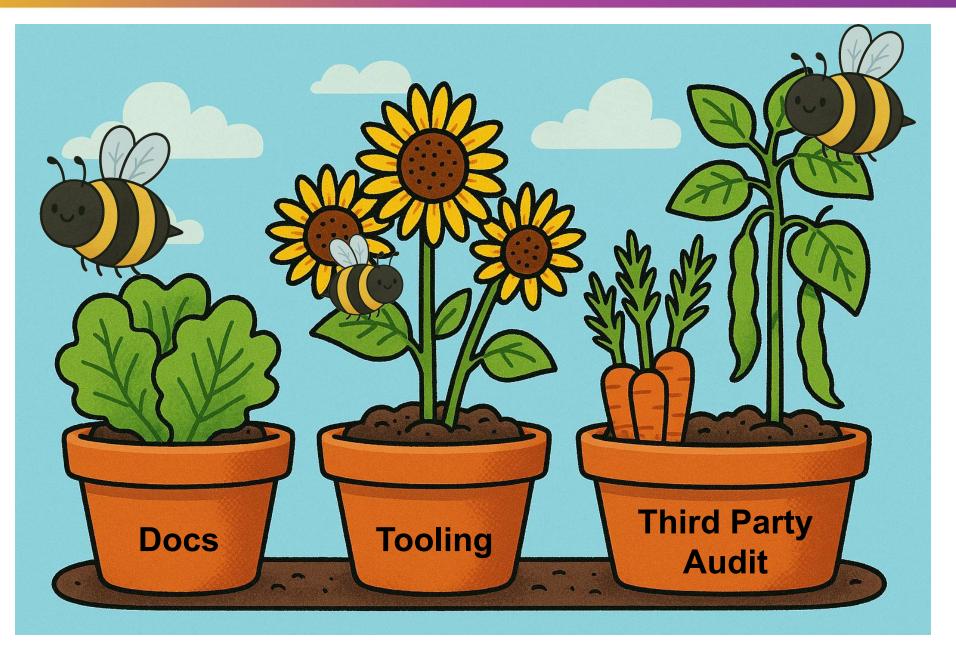
Kubernetes SIG Security takes a community based approach to improve security for Kubernetes users and the project itself.

A horizontal SIG, we work together with our sibling SIGs to help them maintain and improve the security of code in their area. We also maintain security-related tools and processes used by the project overall, such as the CVE feed and external audits.

We have grown organically, attracting and nurturing contributions from all sorts of people, from experts to beginners.

The Subprojects





Future Plans



- 2025 Third Party Audit
- Ensure that the Kubernetes docs cover the security essentials
- Strengthen relationships with other SIGs
- Contribute to external kubernetes security documentation



Third Party Audit



Everyone loves an audit

Third Party Audit



A bit of history

Third Party Audit



Current state

What is SIG-Security-Docs?



this subproject works across SIGs to improve the security content of Kubernetes documentation, as well as independently create security docs in the form of concepts/blogs

Why Write Docs?



Build your understanding of project features

Why Write Docs?



Learn cool new things about Kubernetes

Why Write Docs?



Working with other parts of the project

What are SIG-security tooling goals



- Build and improve security of Kubernetes by working across SIGs and other sub-projects.
- Create space for **new contributors** to share and learn.

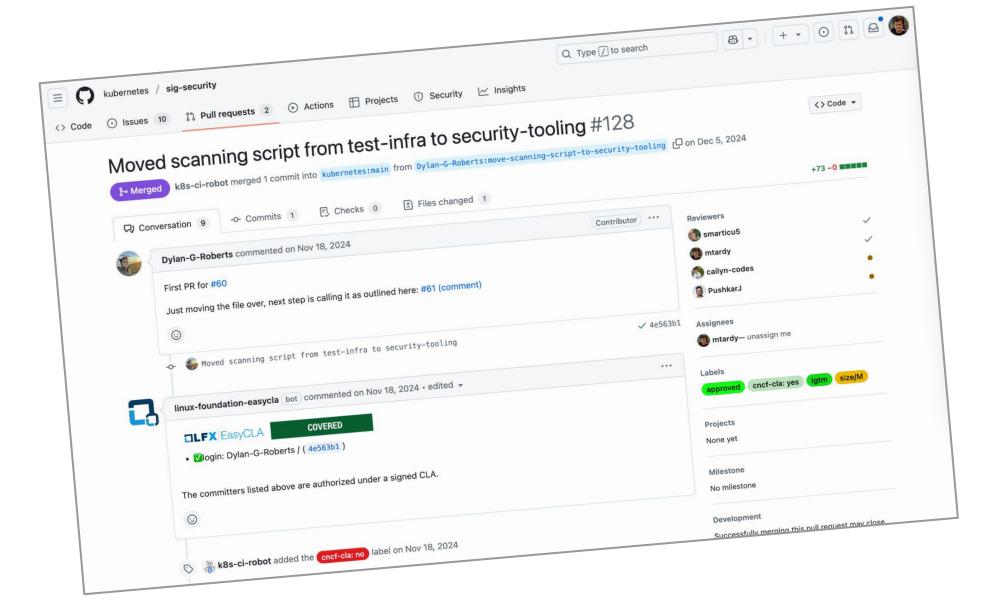
How can you join the tooling subproject



- We have meetings at 14:00 UTC every other Friday
- You can propose learning sessions to present security tooling related work you've been working on!
- Or just join the working sessions to progress together.

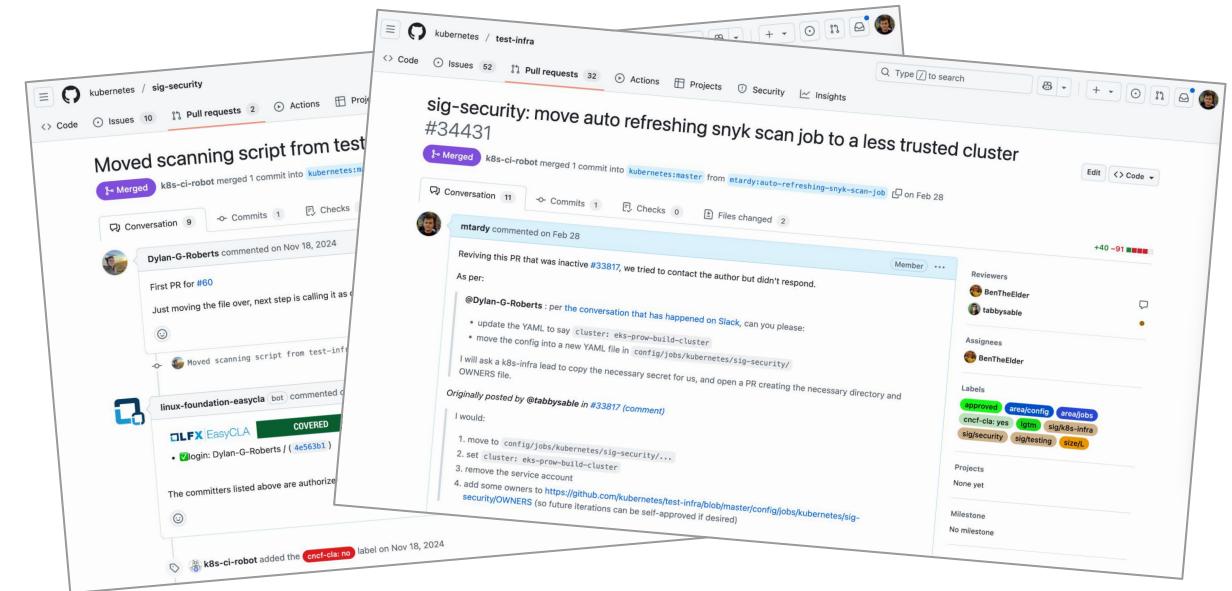
Snyk scanner maintenance



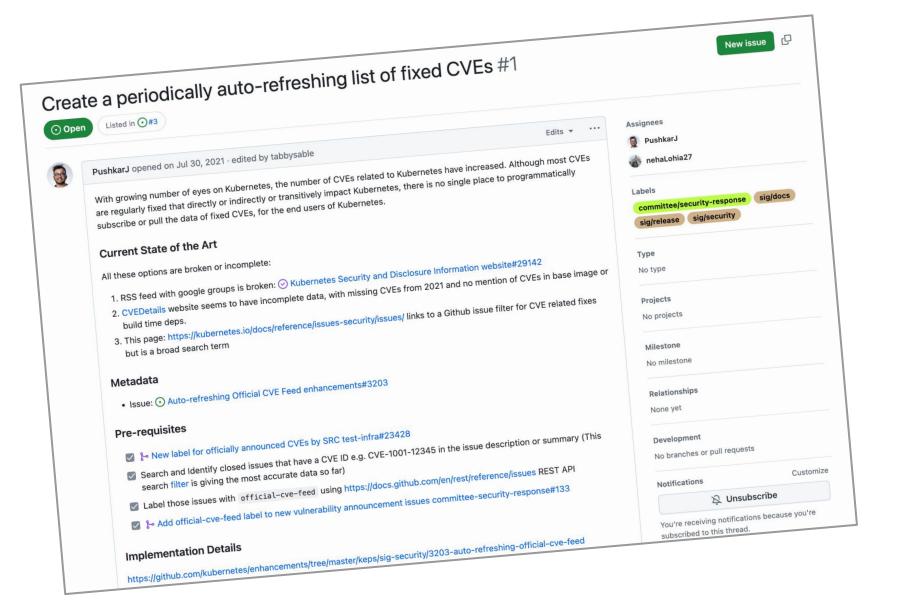




Snyk scanner maintenance









Create a periodically auto-refreshing list of fixed CVEs #1



Listed in ①#3



PushkarJ opened on Jul 30, 2021 · edited by tabbysable

With growing number of eyes on Kubernetes, the number of CVEs related to Kubernetes have increased. Althou are regularly fixed that directly or indirectly or transitively impact Kubernetes, there is no single place to progra subscribe or pull the data of fixed CVEs, for the end users of Kubernetes.

Current State of the Art

- 1. RSS feed with google groups is broken:

 Kubernetes Security and Disclosure Information website#29 All these options are broken or incomplete:
- 2. CVEDetails website seems to have incomplete data, with missing CVEs from 2021 and no mention of C
- 3. This page: https://kubernetes.io/docs/reference/issues-security/issues/ links to a Github issue filter fo but is a broad search term

Metadata

• Issue:

Auto-refreshing Official CVE Feed enhancements#3203

Pre-requisites

- New label for officially announced CVEs by SRC test-infra#23428 Search and Identify closed issues that have a CVE ID e.g. CVE-1001-12345 in the issue description.
- search filter is giving the most accurate data so far) ☑ Label those issues with official-cve-feed using https://docs.github.com/en/rest/reference Add official-cve-feed label to new vulnerability announcement issues committee-security

https://github.com/kubernetes/enhancements/tree/master/keps/sig-security/3203-auto-refreshing-one-

Kubernetes Documentation / Reference / Kubernetes Issues and Security / CVE feed

Official CVE Feed

① FEATURE STATE: Kubernetes v1.27 [beta]

This is a community maintained list of official CVEs announced by the Kubernetes Security Response Committee. See Kubernetes Security and Disclosure Information for more details.

The Kubernetes project publishes a programmatically accessible feed of published security issues in JSON feed and RSS feed formats. You can access it by executing the following commands:

JSON feed RSS feed Link to JSON format curl -Lv https://k8s.io/docs/reference/issues-security/off:

Official Kubernetes CVE List (last updated: 03 Apr 2025 06:28:36 UTC)

CVE ID	Issue Summary	CVE GitHub Issue URL
CVE-2025- 1974	ingress-nginx admission controller RCE escalation	
		#131009

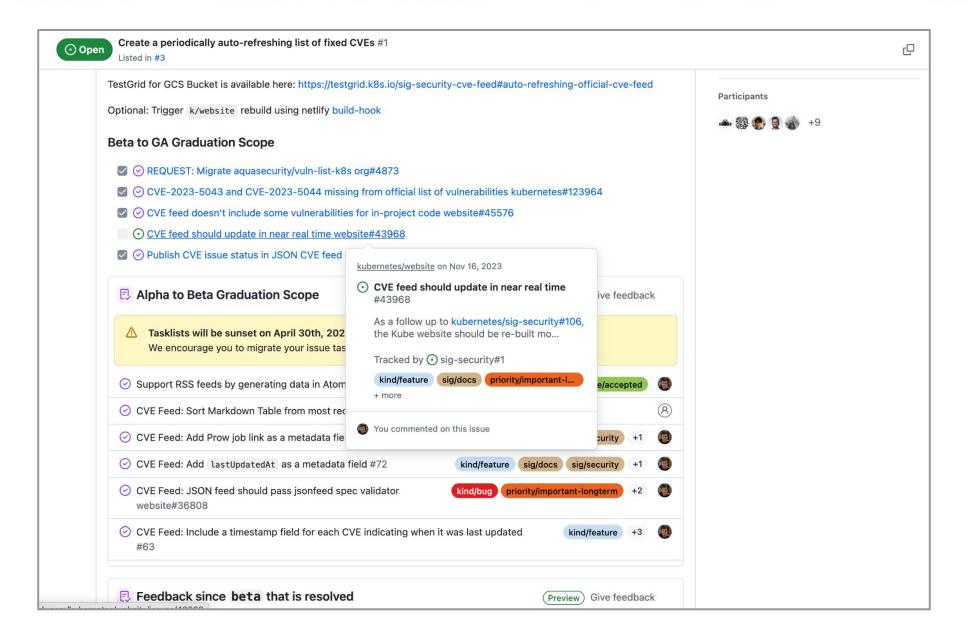
E Edit this page

Create child page

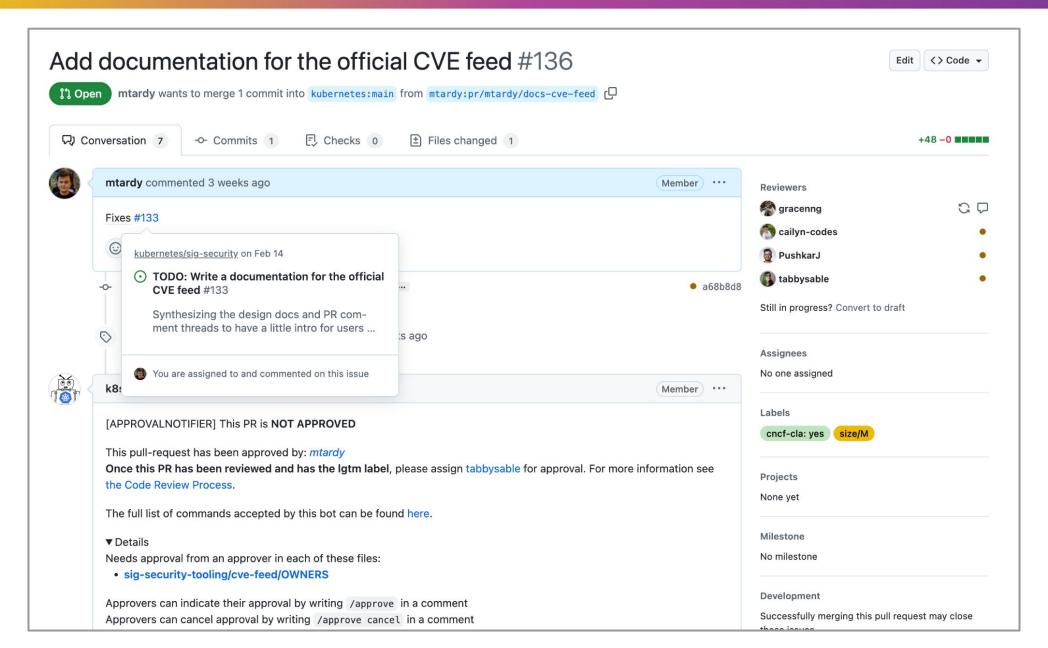
Create an issue

Print entire section



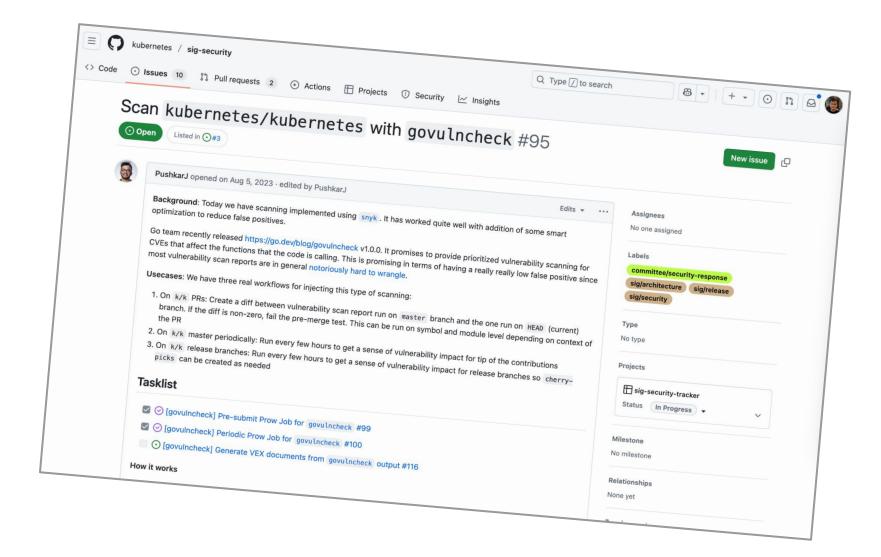






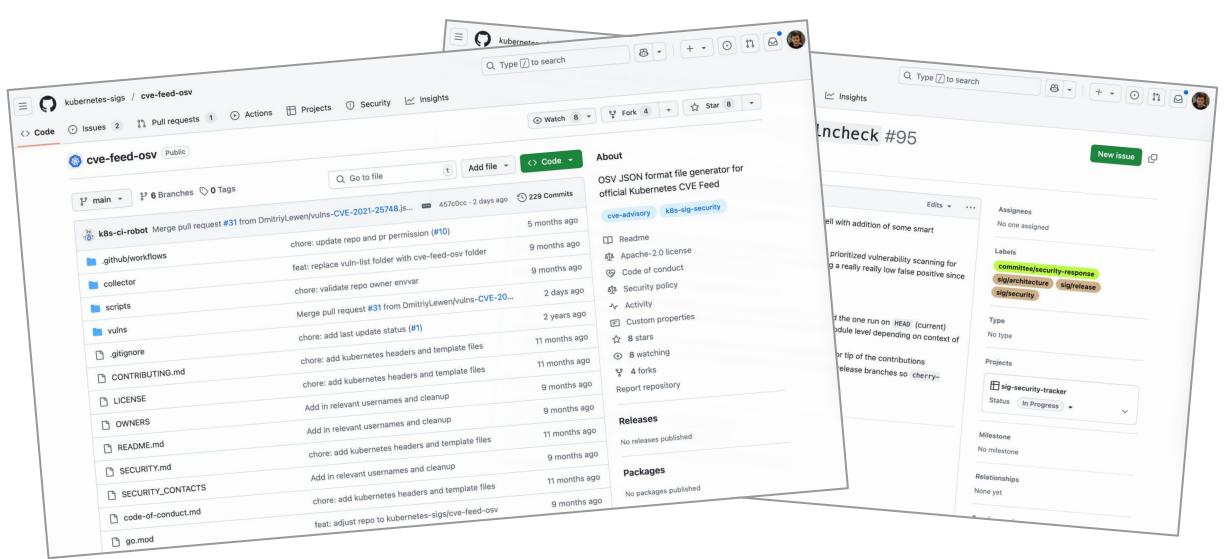
Trying to merge CVE feed efforts





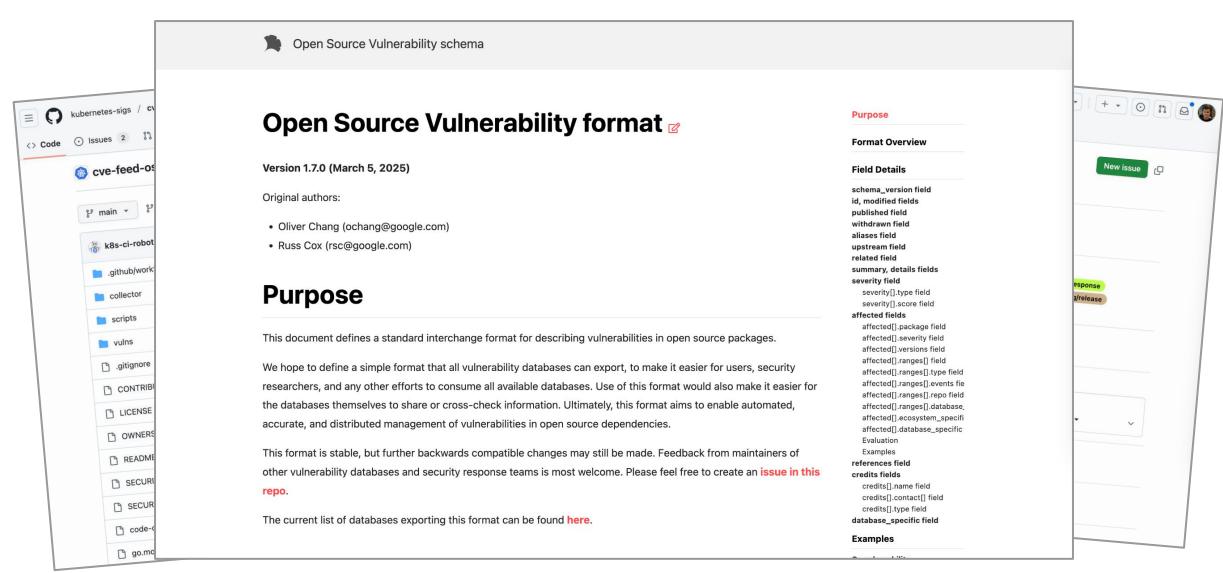
Trying to merge CVE feed efforts





Trying to merge CVE feed efforts





How can you get involved?





SIG Security



README & Mailing list

K8s Slack



#sig-security

Thank you!



Questions!?

