



# DEPENDENCY-TRACK COMMUNITY MEETING

**JANUARY  
2025**

**THE DEPENDENCY-TRACK TEAM**

[www.owasp.org](https://www.owasp.org)

Dependency-Track Community Meeting - January 2025

# Organizational

- Community Meetings are recorded and [uploaded to YouTube](#)
- Slides will be published in the [DependencyTrack/community](#) repository
- Please use the Zoom chat to ask questions during the presentation
- There will be an open Q&A section towards the end

# AGENDA

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Upcoming releases

01

Hyades update

02

Vulnerability DB update

03

Collection projects demo

04

Q&A

05



# UPCOMING RELEASES



# Upcoming Releases

- v4.12.3
  - ~7 fixes done
  - ~4 fixes outstanding
  - ETA: 1-2 weeks
- v4.13.0
  - ~8 issues outstanding
  - See last community meeting for implemented and planned features
  - Deprecation of support for badges without AuthN cancelled
  - Major *Project Collection* feature landed (demo later)
  - ETA: ???
  - Could decide to move some issues to v4.14.0 and release sooner



v4.12.3 Milestone

<https://github.com/DependencyTrack/dependency-track/milestone/47>



v4.13.0 Milestone

<https://github.com/DependencyTrack/dependency-track/milestone/38>



# HYADES UPDATE



# Hyades Update

- Looking into dropping the dependency on Kafka
  - Realization: doesn't solve enough of our problems to justify it
- Target: all-in on PostgreSQL
  - Simpler to develop
  - Simpler to operate
  - Simpler to debug
- Implemented proof-of-concepts to assess feasibility:
  - ☒ Asynchronous task execution / queueing
  - ☒ Workflow orchestration
  - ☒ Notification publishing
- Currently working on:
  - ADRs for documenting *why* we make this change and *what we're doing* to replace Kafka
  - Design documents for actual implementations
  - Release currently pending version 0.6.0 (still Kafka-centric)
- Next up:
  - Get foundations of new implementation(s) merged
  - Work on migrating functionality (feature-flagged until complete)



ADR-001: Drop Kafka Dependency  
<https://github.com/DependencyTrack/hyades/pull/1619>



# Hyades Update

Home / Workflow Runs

<input type="text" value="Search"/> <span>⏏ ⏮ ⏭ ⏲ ⏴ ⏵</span>							
<input type="checkbox"/>	ID	Workflow	Status	Created	Started	Updated	Completed
<input type="checkbox"/>	01944644-e72f-7c2...	process-bom-upload v1	✓ PROCESSED	8 Jan 2025 at 15:15:08	8 Jan 2025 at 15:15:11	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944644-e7af-7e0...	process-bom-upload v1	✓ PROCESSED	8 Jan 2025 at 15:15:08	8 Jan 2025 at 15:15:11	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944644-e72f-772...	process-bom-upload v1	✓ PROCESSED	8 Jan 2025 at 15:15:08	8 Jan 2025 at 15:15:11	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944644-e7af-70ef...	process-bom-upload v1	✓ PROCESSED	8 Jan 2025 at 15:15:08	8 Jan 2025 at 15:15:11	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944644-e7e9-745...	process-bom-upload v1	✓ PROCESSED	8 Jan 2025 at 15:15:08	8 Jan 2025 at 15:15:11	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944645-0a9a-750...	analyze-project v1	✓ COMPLETED	8 Jan 2025 at 15:15:17	8 Jan 2025 at 15:15:20	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29
<input type="checkbox"/>	01944645-0a9a-727...	analyze-project v1	✓ COMPLETED	8 Jan 2025 at 15:15:17	8 Jan 2025 at 15:15:20	8 Jan 2025 at 15:15:29	8 Jan 2025 at 15:15:29



# Hyades Update

The screenshot displays the Hyades workflow interface. The main panel shows the workflow 'analyze-project v1' with a status of 'v1'. Below the workflow name, there are two tags: 'project=bf9b1b5e-b968-4ae8-9593-4eb11ecf3835' and 'initiator=admin'. To the right of the workflow name are three buttons: a pause button, a play button, and a refresh button.

The right panel shows the 'History' of the workflow. It lists several events:

- Run completed** (8 Jan 2025 at 15:15:29)  
Status: WORKFLOW\_RUN\_STATUS\_COMPLETED
- 5 Activity "update-project-metrics" completed** (8 Jan 2025 at 15:15:28)
- 5 Activity "update-project-metrics" scheduled** (8 Jan 2025 at 15:15:25)  
Priority: 5

Below the history, there is an 'Argument' section showing a JSON object:

```
{
  "project": {
    "uuid": "bf9b1b5e-b968-4ae8-9593-4eb11ecf3835",
    "name": "apache/flink:1.17",
    "version": "252fb00f-d89a-49a8-800c-5f5614c9cfd4"
  }
}
```

At the bottom of the history, there is another event:

- 4 Activity "eval-project-policies" completed** (8 Jan 2025 at 15:15:25)



# VULNERABILITY DB UPDATE

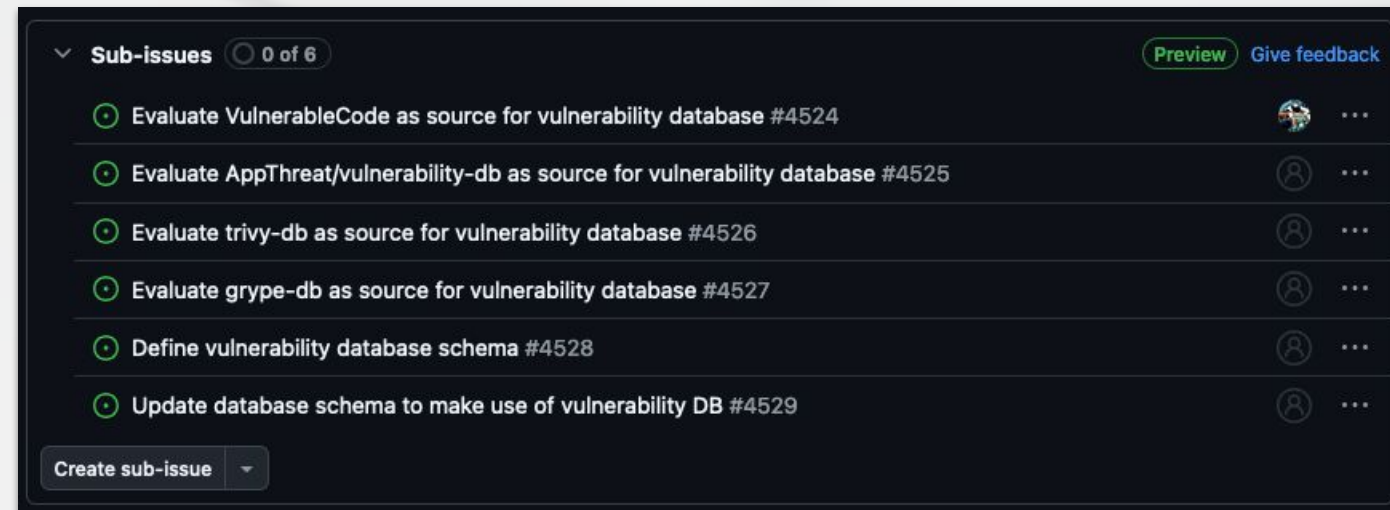


# Vulnerability DB Update

- Lots of research still to be done (***you can help!***)
  - Can we leverage existing, similar efforts?
    - Currently looking at nexB's VulnerableCode
  - What data specifically do we want, and in what form (schema)?
  - How do we assemble and distribute the DB?
- More feedback and input needed in general



<https://github.com/DependencyTrack/dependency-track/issues/4122>





# COLLECTION PROJECTS





# QUESTIONS & ANSWERS

