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DEPENDENCY-TRACK COMMUNITY MEETING

OCTOBER
2024

THE DEPENDENCY-TRACK TEAM

www.owasp.org

Dependency-Track Community Meeting - October 2024

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

Dependency-Track Community Meeting - October 2024

AGENDA

- Hot off the Press: v4.12.0 01
- Demo: v4.12.0 02
- Looking ahead: v4.13.0 03
- 🎃 04
- Q&A 05

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HOT OFF THE PRESS: v4.12.0

HOT OFF THE PRESS: v4.12.0

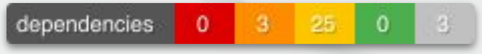
🎉

- 29 contributors **across main and frontend repo*
- 20 *new* contributors **across main and frontend repo*
- >50 enhancements
- >20 fixes **excluding 4.11.x backports*

https://docs.dependencytrack.org/changelog/#v4-12-0

HOT OFF THE PRESS: v4.12.0

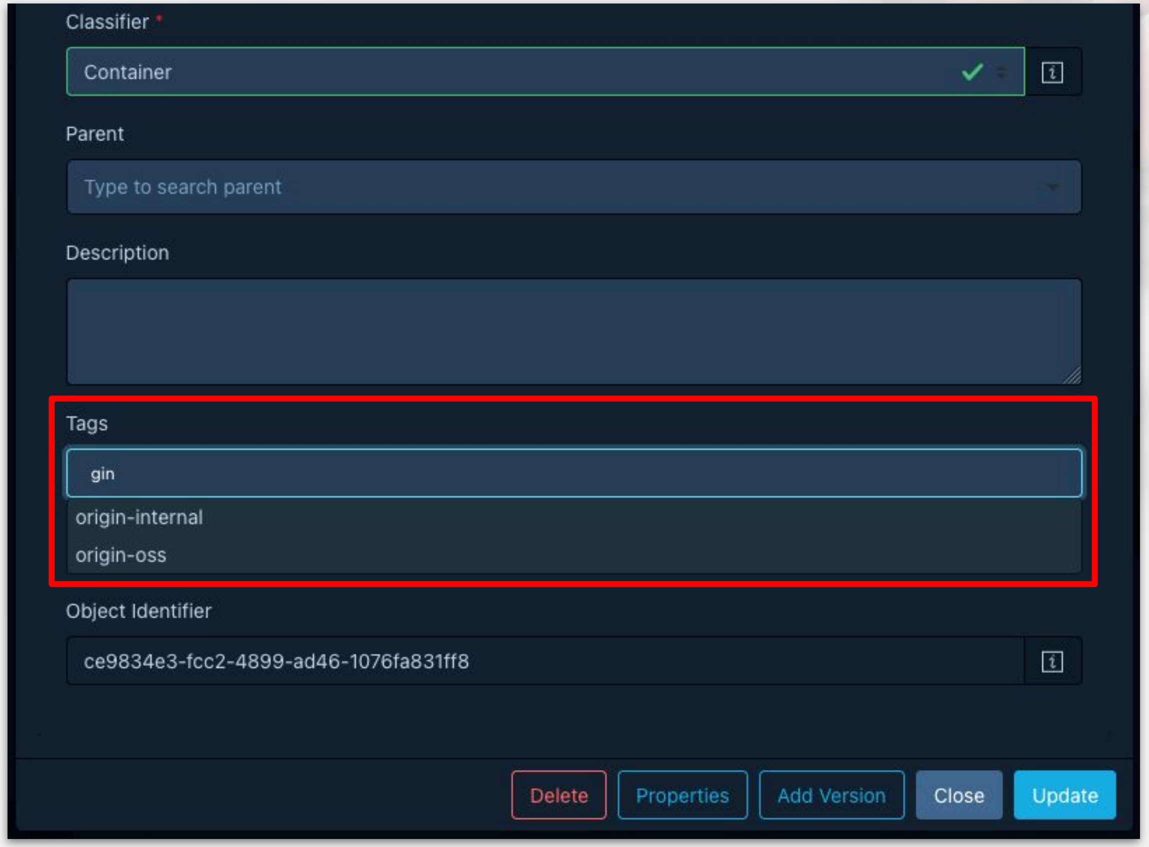
Highlights

- 🏷️ Breadth of tag-related features (incl. tag management)
- ⚖️ Global Policy Violation Audit View **DEMO**
- 🔒 Authorization for badges **DEMO** 
dependencies 0 3 25 0 3
- ✨ Tech stack modernization
- ⚠️ Multiple deprecations *(please check upgrade notes!)*

https://docs.dependencytrack.org/changelog/#v4-12-0

HOT OFF THE PRESS: v4.12.0

Autocomplete for Tag Inputs



Classifier *

Container

Parent

Type to search parent

Description

Tags

gin

origin-internal

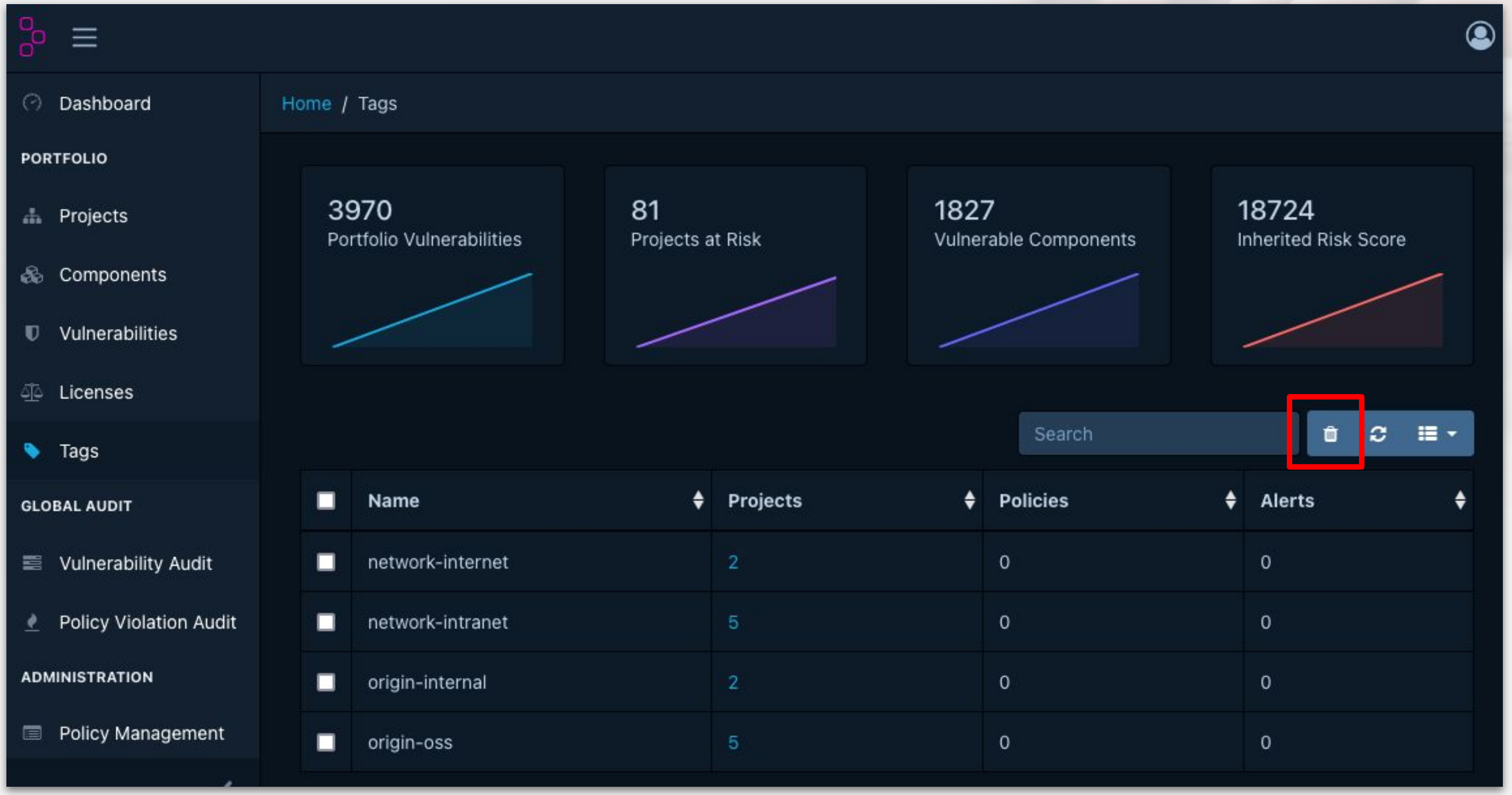
origin-oss

Object Identifier

ce9834e3-fcc2-4899-ad46-1076fa831ff8

HOT OFF THE PRESS: v4.12.0

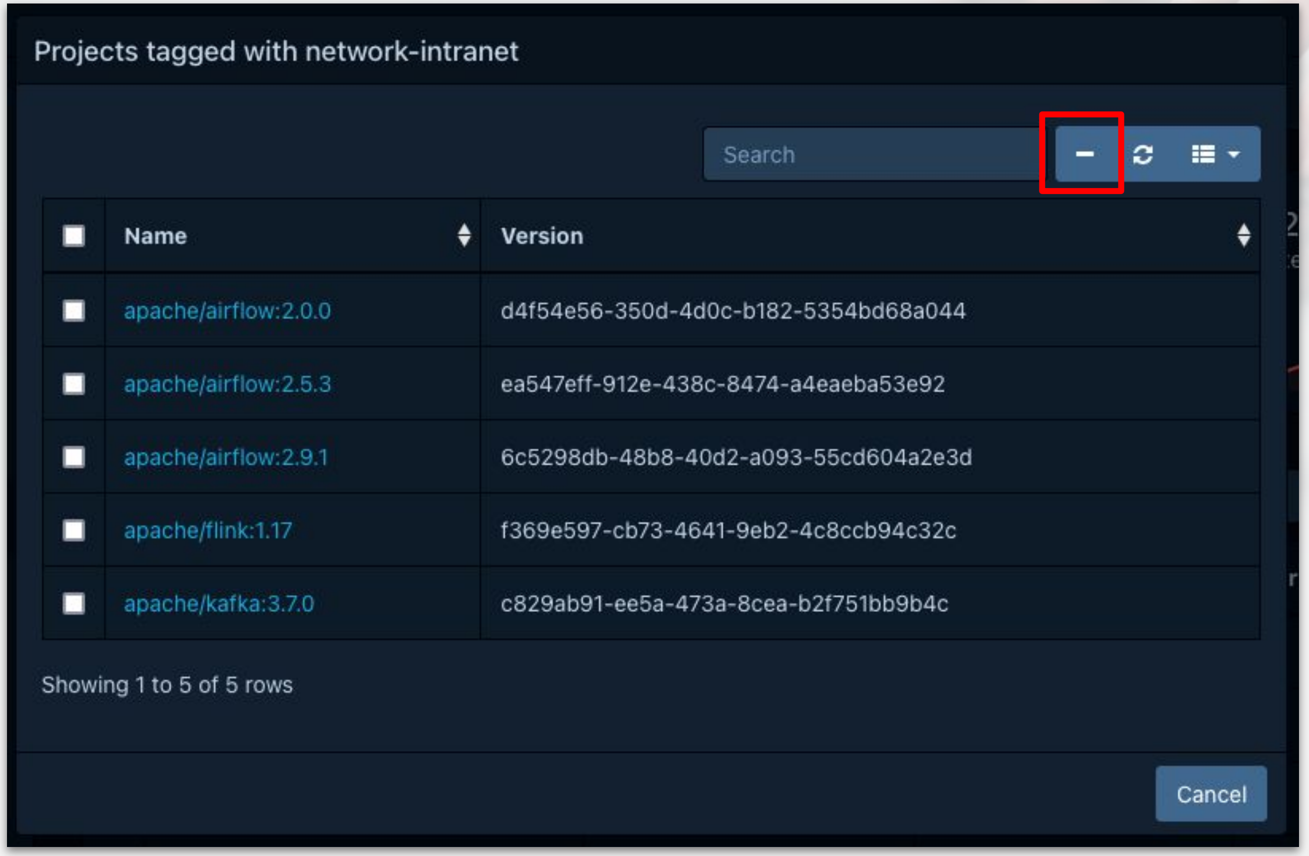
Tag Management



□	Name	Projects	Policies	Alerts
□	network-internet	2	0	0
□	network-intranet	5	0	0
□	origin-internal	2	0	0
□	origin-oss	5	0	0

HOT OFF THE PRESS: v4.12.0

Tag Management



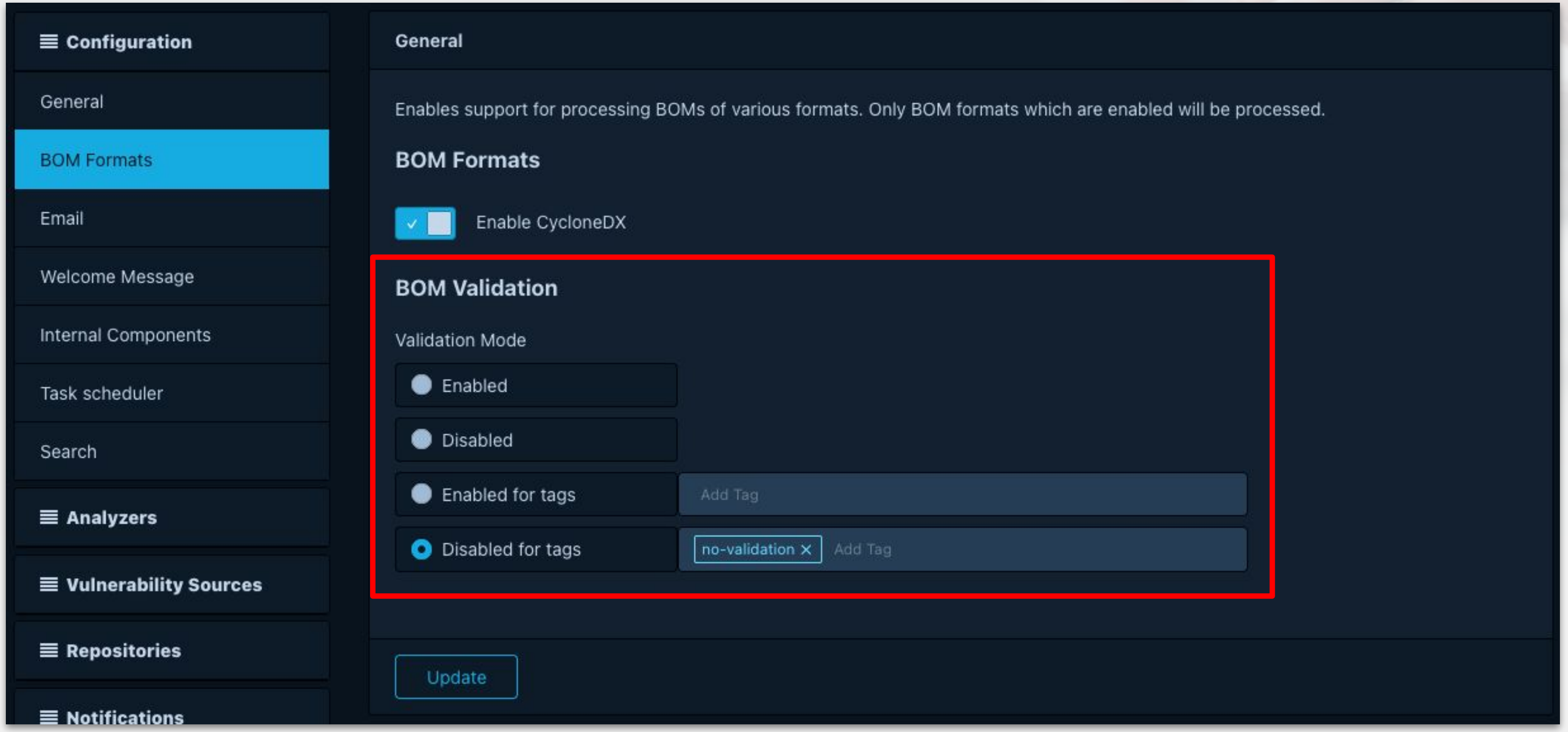
Projects tagged with network-intranet

□	Name	Version
□	apache/airflow:2.0.0	d4f54e56-350d-4d0c-b182-5354bd68a044
□	apache/airflow:2.5.3	ea547eff-912e-438c-8474-a4eaeba53e92
□	apache/airflow:2.9.1	6c5298db-48b8-40d2-a093-55cd604a2e3d
□	apache/flink:1.17	f369e597-cb73-4641-9eb2-4c8ccb94c32c
□	apache/kafka:3.7.0	c829ab91-ee5a-473a-8cea-b2f751bb9b4c

Showing 1 to 5 of 5 rows

HOT OFF THE PRESS: v4.12.0

Selective BOM Validation with Tags



General

Enables support for processing BOMs of various formats. Only BOM formats which are enabled will be processed.

BOM Formats

☑ Enable CycloneDX

BOM Validation

Validation Mode

○ Enabled

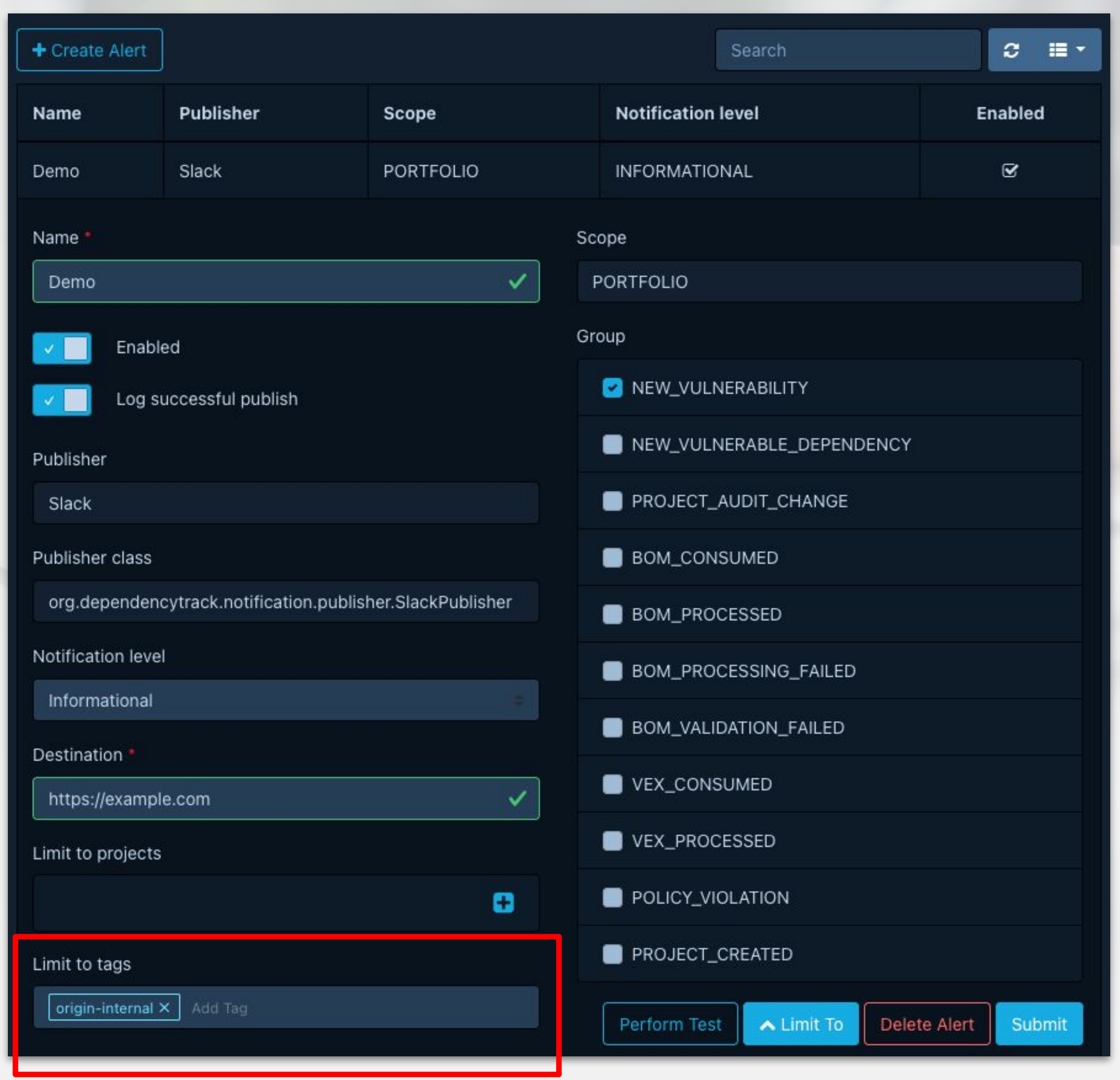
○ Disabled

○ Enabled for tags   Add Tag

● Disabled for tags   no-validation ✕   Add Tag

HOT OFF THE PRESS: v4.12.0

Limiting Alerts to Tags



Name	Publisher	Scope	Notification level	Enabled
Demo	Slack	PORTFOLIO	INFORMATIONAL	☑

Name *
Demo ✓

☑ Enabled
☑ Log successful publish

Publisher
Slack

Publisher class
org.dependencytrack.notification.publisher.SlackPublisher

Notification level
Informational

Destination *
https://example.com ✓

Limit to projects

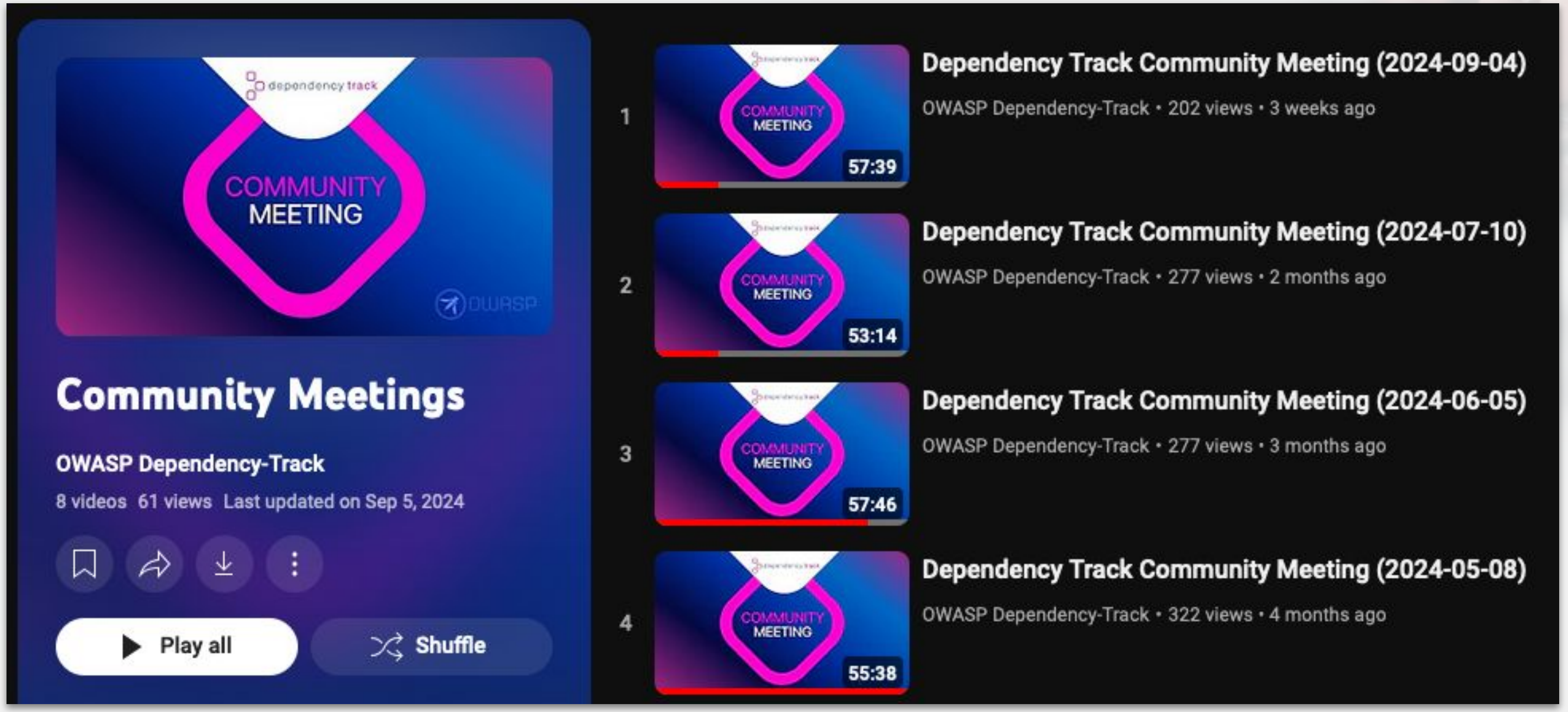
Limit to tags
origin-internal ✕ Add Tag

Scope
PORTFOLIO

Group
- ☑ NEW_VULNERABILITY
- □ NEW_VULNERABLE_DEPENDENCY
- □ PROJECT_AUDIT_CHANGE
- □ BOM_CONSUMED
- □ BOM_PROCESSED
- □ BOM_PROCESSING_FAILED
- □ BOM_VALIDATION_FAILED
- □ VEX_CONSUMED
- □ VEX_PROCESSED
- □ POLICY_VIOLATION
- □ PROJECT_CREATED

HOT OFF THE PRESS: v4.12.0

Full Demos in Previous Meetings



Community Meetings

OWASP Dependency-Track

8 videos 61 views Last updated on Sep 5, 2024

1 Dependency Track Community Meeting (2024-09-04)
OWASP Dependency-Track • 202 views • 3 weeks ago
57:39

2 Dependency Track Community Meeting (2024-07-10)
OWASP Dependency-Track • 277 views • 2 months ago
53:14

3 Dependency Track Community Meeting (2024-06-05)
OWASP Dependency-Track • 277 views • 3 months ago
57:46

4 Dependency Track Community Meeting (2024-05-08)
OWASP Dependency-Track • 322 views • 4 months ago
55:38

https://www.youtube.com/playlist?list=PLQhgERhSEs97X4LRC_wc4Z3Sr9soAayJR

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DEMO: v4.12.0

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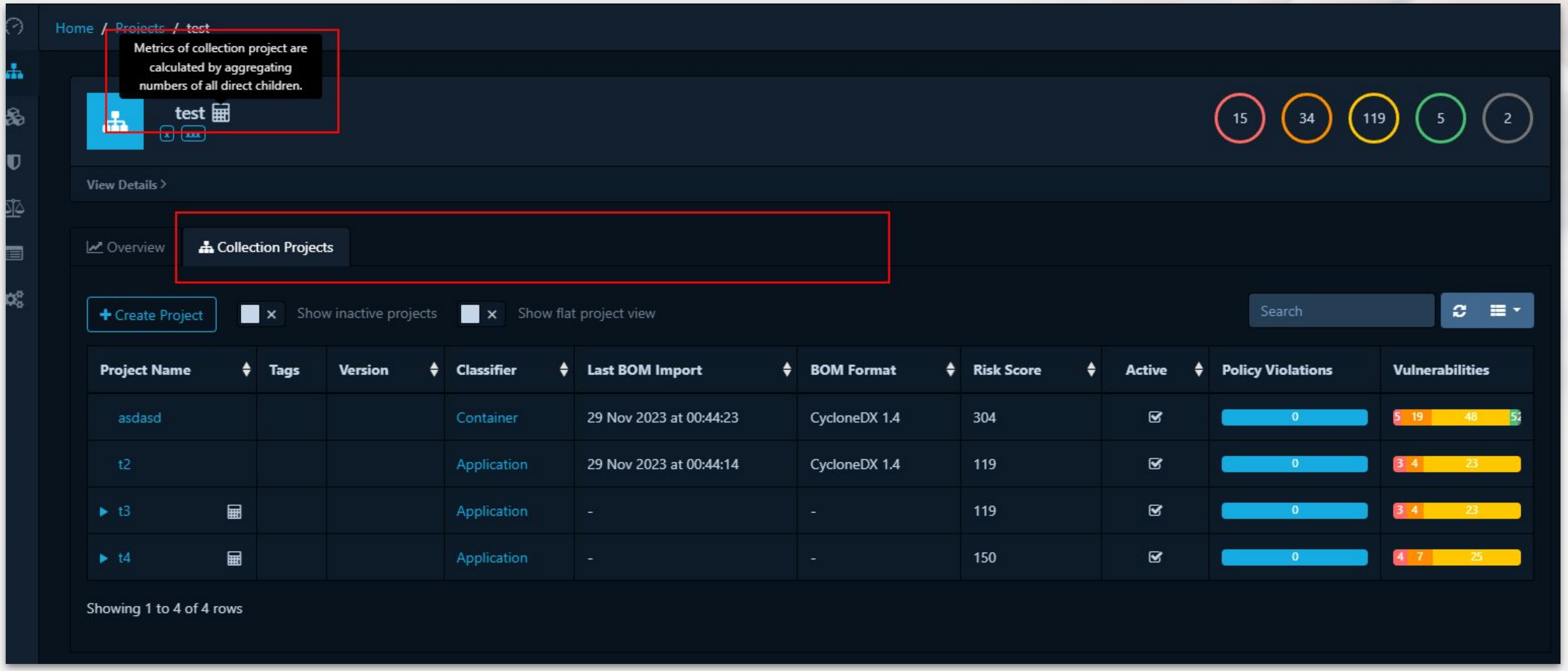
LOOKING AHEAD: v4.13.0

LOOKING AHEAD: v4.13.0

Project Collections



Home / Projects / test

Metrics of collection project are calculated by aggregating numbers of all direct children.

test

View Details >

+ Create Project ☒ Show inactive projects ☒ Show flat project view

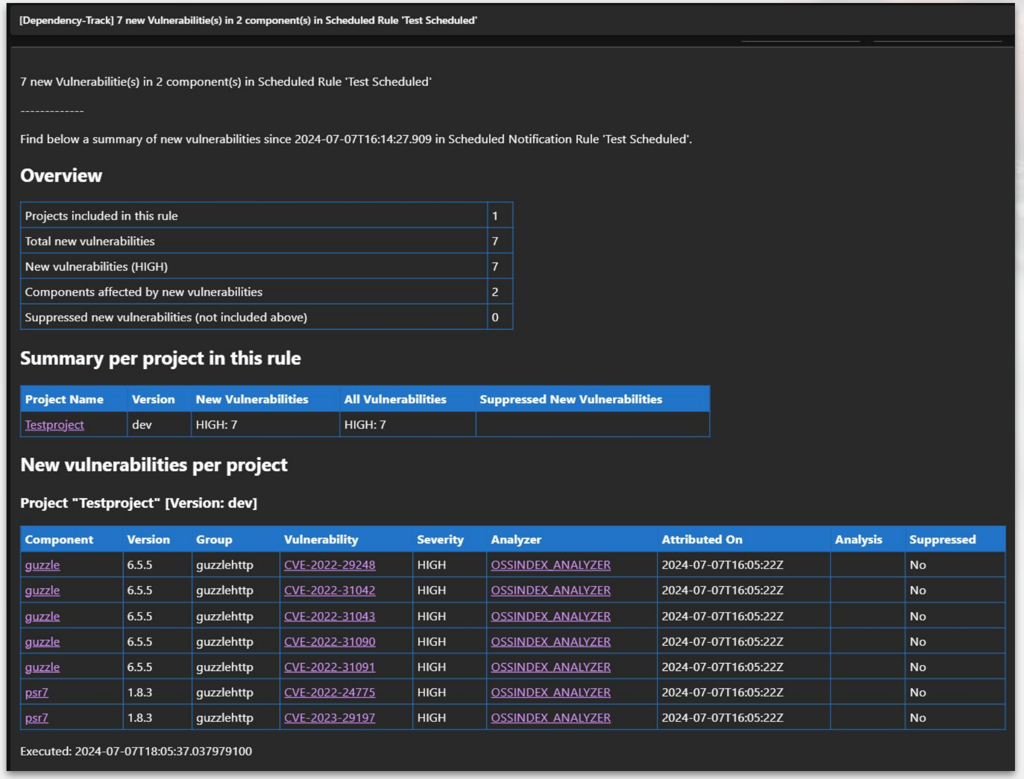
Project Name	Tags	Version	Classifier	Last BOM Import	BOM Format	Risk Score	Active	Policy Violations	Vulnerabilities
asdasd			Container	29 Nov 2023 at 00:44:23	CycloneDX 1.4	304	☑	0	5 19 48 52
t2			Application	29 Nov 2023 at 00:44:14	CycloneDX 1.4	119	☑	0	3 4 23
▸ t3			Application	-	-	119	☑	0	3 4 23
▸ t4			Application	-	-	150	☑	0	4 7 25

Showing 1 to 4 of 4 rows

https://github.com/DependencyTrack/dependency-track/pull/3258

LOOKING AHEAD: v4.13.0

Scheduled Summary Notifications



[Dependency-Track] 7 new Vulnerabilitie(s) in 2 component(s) in Scheduled Rule 'Test Scheduled'

7 new Vulnerabilitie(s) in 2 component(s) in Scheduled Rule 'Test Scheduled'

Find below a summary of new vulnerabilities since 2024-07-07T16:14:27.909 in Scheduled Notification Rule 'Test Scheduled'.

Overview

Projects included in this rule	1
Total new vulnerabilities	7
New vulnerabilities (HIGH)	7
Components affected by new vulnerabilities	2
Suppressed new vulnerabilities (not included above)	0

Summary per project in this rule

Project Name	Version	New Vulnerabilities	All Vulnerabilities	Suppressed New Vulnerabilities
Testproject	dev	HIGH: 7	HIGH: 7	

New vulnerabilities per project

Project "Testproject" [Version: dev]

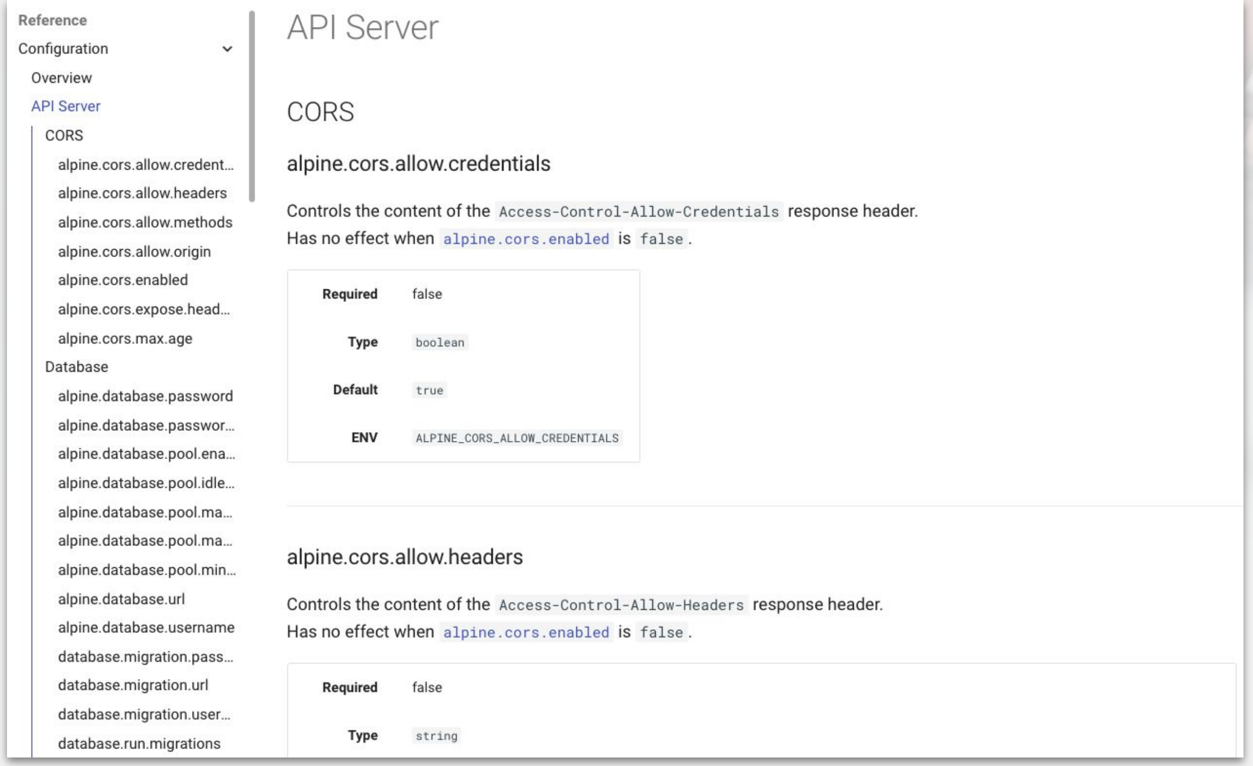
Component	Version	Group	Vulnerability	Severity	Analyzer	Attributed On	Analysis	Suppressed
guzzle	6.5.5	guzzlehttp	CVE-2022-29248	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
guzzle	6.5.5	guzzlehttp	CVE-2022-31042	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
guzzle	6.5.5	guzzlehttp	CVE-2022-31043	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
guzzle	6.5.5	guzzlehttp	CVE-2022-31090	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
guzzle	6.5.5	guzzlehttp	CVE-2022-31091	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
psr7	1.8.3	guzzlehttp	CVE-2022-24775	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No
psr7	1.8.3	guzzlehttp	CVE-2023-29197	HIGH	OSSINDEX_ANALYZER	2024-07-07T16:05:22Z		No

Executed: 2024-07-07T18:05:37.037979100

https://github.com/DependencyTrack/dependency-track/pull/3925

LOOKING AHEAD: v4.13.0

Better Configuration Docs



Reference
Configuration
Overview
API Server
CORS
alpine.cors.allow.credent...
alpine.cors.allow.headers
alpine.cors.allow.methods
alpine.cors.allow.origin
alpine.cors.enabled
alpine.cors.expose.head...
alpine.cors.max.age
Database
alpine.database.password
alpine.database.passwor...
alpine.database.pool.ena...
alpine.database.pool.idle...
alpine.database.pool.ma...
alpine.database.pool.ma...
alpine.database.pool.min...
alpine.database.url
alpine.database.username
database.migration.pass...
database.migration.url
database.migration.user...
database.run.migrations

API Server

CORS

alpine.cors.allow.credentials

Controls the content of the `Access-Control-Allow-Credentials` response header.
Has no effect when `alpine.cors.enabled` is `false`.

Required	false
Type	`boolean`
Default	`true`
ENV	`ALPINE_CORS_ALLOW_CREDENTIALS`

alpine.cors.allow.headers

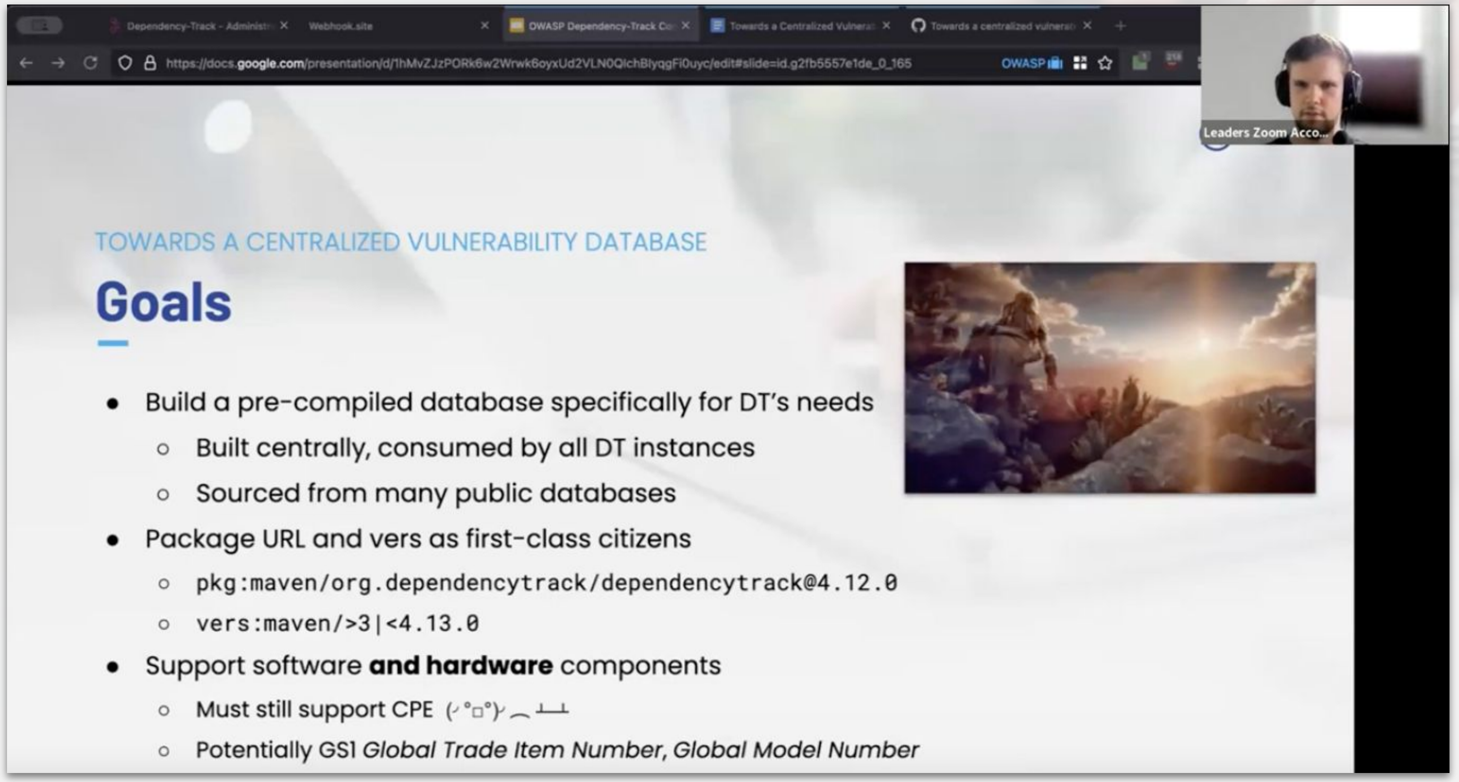
Controls the content of the `Access-Control-Allow-Headers` response header.
Has no effect when `alpine.cors.enabled` is `false`.

Required	false
Type	`string`

https://dependencytrack.github.io/hyades/0.6.0-SNAPSHOT/reference/configuration/api-server/

LOOKING AHEAD: v4.13.0

Improved Vulnerability DB (???)


Dependency-Track - Administr
Webhook.site
OWASP Dependency-Track Co
Towards a Centralized Vulnera
Towards a centralized vulnera
OWASP
Leaders Zoom Acco...

https://docs.google.com/presentation/d/1hMvZJzPORk6w2Wrwk6oyxUd2VLN0QlchBlyqgFi0uyc/edit#slide=id.g2fb5557e1de_0_165

TOWARDS A CENTRALIZED VULNERABILITY DATABASE

Goals

- Build a pre-compiled database specifically for DT's needs
  - Built centrally, consumed by all DT instances
  - Sourced from many public databases
- Package URL and vers as first-class citizens
  - `pkg:maven/org.dependencytrack/dependencytrack@4.12.0`
  - `vers:maven/>3|<4.13.0`
- Support software **and hardware** components
  - Must still support CPE (╯°□°)╯︵ ┻━┻
  - Potentially GS1 *Global Trade Item Number, Global Model Number*

https://www.youtube.com/watch?v=hzelt7jv6dE&t=1188s

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Looking for contributions

Hacktoberfest 🎃

- October open source contributor challenge hosted by DigitalOcean
- Goal: Submit four high-quality pull/merge requests between October 1 and October 31
- Unlock digital badges with each pull request, up to 4 to complete the challenge
- Learn more and register at: https://hacktoberfest.com/

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QUESTIONS & ANSWERS