

```
elif operation == "MIRROR_Y":
    mirror_mod.use_x = False
    mirror_mod.use_y = True
    mirror_mod.use_z = False
elif operation == "MIRROR_Z":
    mirror_mod.use_x = False
    mirror_mod.use_y = False
    mirror_mod.use_z = True

#selection at the end -add back the deselected mirror modifier object
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
#mirror_ob.select = 0
#done = bpy.context.selected_objects[0]
#bpy.data.objects[mirror_ob.name].select=0
```

TLP:CLEAR

> CSAF Community Days

# VEX-supported vulnerability management with SecObserve

Stefan Fleckenstein & Lukas Krug



MAIBORNWOLFF

# Who we are

## Stefan Fleckenstein

- › Executive IT and Cybersecurity Architect at MaibornWolff
- › Background in software engineering and cybersecurity
- › Passionate about vulnerability management and open source
- › Founder and maintainer of SecObserve



## Lukas Krug

- › Platform Engineer at Stackable
- › Background in software engineering and DevOps
- › Likes working with Kubernetes and coding in Rust
- › Interested in all things regarding supply chain security





# Agenda

- › Introduction to SecObserve
- › Producing and consuming CSAF VEX documents



# Introduction to SecObserve





## SecObserve

### Project's CI/CD Pipeline



### GitLab CI Templates / GitHub Actions

SCA	SAST Application	SAST Infrastructure	Secrets	DAST	Cloud Infrastructure
Dep. Check Dep. Track Grype Trivy (Operator)	Bandit ESLint FindSecBugs Semgrep	Checkov KICS Trivy	GitLeaks Trivy (Operator)	Cryptolyzer DrHeader ZAP	Prowler Azure Defender Trivy Operator

## INTRODUCTION TO SECOBSERVE

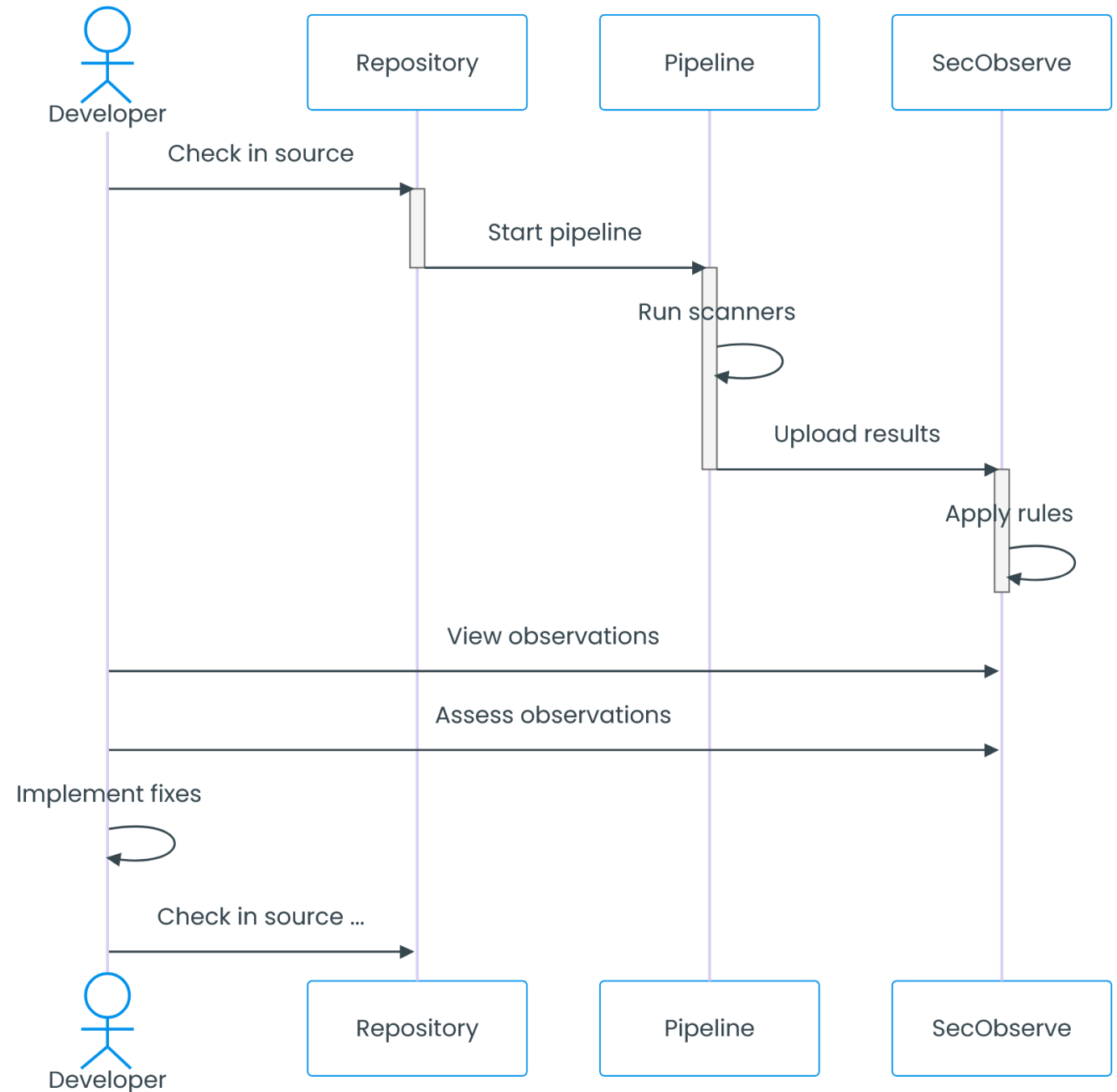
- › SecObserve is an **open source vulnerability and license management** system for software development teams and cloud environments.
- › It supports a **variety of open source vulnerability scanners** and integrates easily into CI/CD pipelines.
- › Results about potential security flaws from various vulnerability scanning tools are made available for **assessment and reporting**.



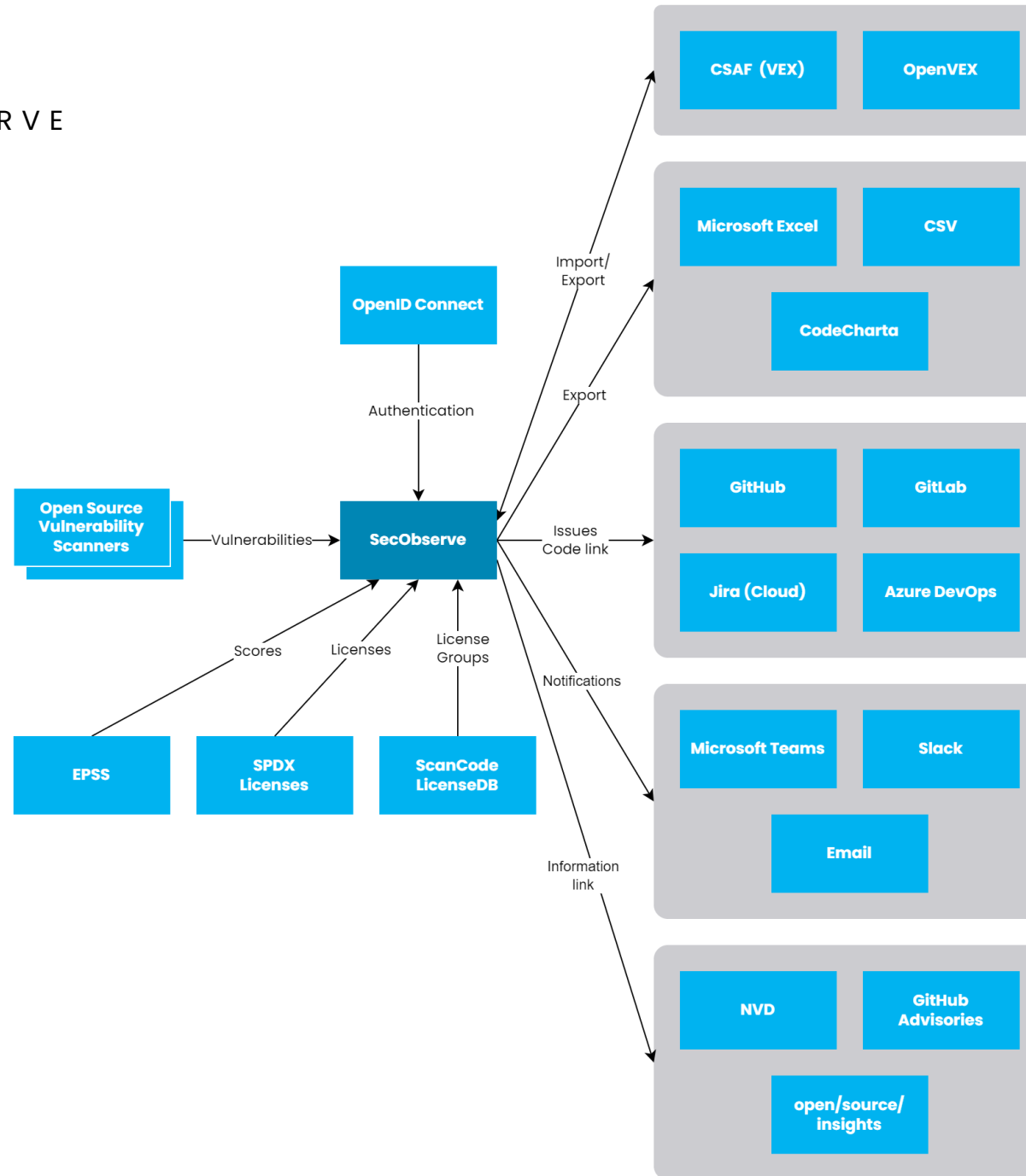
> INTRODUCTION TO SECOBSERVE

## Process

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# Integrations




# Suggestion: Add creation of CSAF VEX to distribute information about "irrelevant results" #747

EditNew issue


Closed

tschmidt51 opened this issue on Nov 10, 2023 · 5 comments · Fixed by #1146



tschmidt51 commented on Nov 10, 2023

The README says:  
  
With the help of automatically executed rules and manual assessments, the results can be efficiently evaluated to eliminate irrelevant results and accept risks. This allows the development team to concentrate on fixing the relevant vulnerabilities.  
  
As we already have the information from manual assessments, what about creating CSAF VEX from them?



StefanFI commented on Nov 12, 2023

Member

Hi @tschmidt51, that's a good idea, thank you for that. A lot of information is already in SecObserve, but some would still be missing:

- A lot of data for the document section, which might be configured statically.
- The product\_tree section should be not too bad, a product\_id is missing and I have to check the relationships.
- The vulnerabilities will need some work. First to be able to fulfil the meaning of all attributes of the CSAF specification and second an editorial function, maybe an entity decides not to disclose all observations.

I will put the CSAF VEX in the backlog, but it might need some time.  
  
Do you by any chance know, if the EU Cyber Resilience Act defines, how vendors have to report vulnerabilities? Will it be CSAF based?

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging a pull request may close this issue.

[DRAFT] feat: generate VEX documents with CSA...  
MaibornWolff/SecObserve

Notifications

Customize

Unsubscribe

You're receiving notifications because you modified the open/close state.

2 participants



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# **Producing and consuming CSAF VEX documents**



Data Visualisation



Analytics & AI



Data Processing



trino



Storage



Data Ingestion



Infrastructure  
Orchestration



Security



Open Policy Agent

Monitoring



## Observations

Product

zookeeper

Branch / Version name

24.11.0-amd64

Title



Severity


Component

Patch available

Component type

Maven

 ADD FILTER  COLUMNS

<input type="checkbox"/>	Title	Severity 	Status	EPSS	Component	Patch
> <input type="checkbox"/>	CVE-2024-47554	High	Open	0.043	commons-io:2.11.0 (maven)	✓
> <input type="checkbox"/>	CVE-2024-47535	Medium	Open	0.043	netty-common:4.1.105.Final (maven)	✓
> <input type="checkbox"/>	CVE-2024-6763	Medium	Open	0.087	jetty-http:9.4.53.v20231009 (maven)	✓
> <input type="checkbox"/>	CVE-2024-8184	Medium	Open	0.075	jetty-server:9.4.53.v20231009 (maven)	✓

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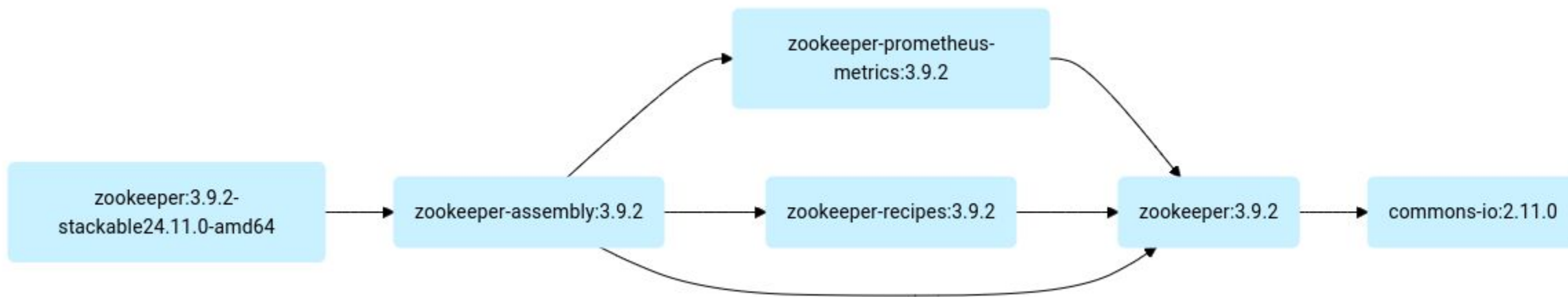


#### Description

Uncontrolled Resource Consumption vulnerability in Apache Commons IO.

The `org.apache.commons.io.input.XmlStreamReader` class may excessively consume CPU resources when processing maliciously crafted input.

#### Component dependency graph



References

- <https://avd.aquasec.com/nvd/cve-2024-47554>
- <http://www.openwall.com/lists/oss-security/2024/10/03/2>
- <https://access.redhat.com/security/cve/CVE-2024-47554>
- <https://github.com/apache/commons-io>
- <https://lists.apache.org/thread/6ozr91rr9cj5lm0zyhv30bsp317hk5z1>
- <https://nvd.nist.gov/vuln/detail/CVE-2024-47554>
- <https://www.cve.org/CVERecord?id=CVE-2024-47554>

Vulnerability

Vulnerability ID	CVSS3 score	CVSS3 vector	CWE	EPSS score (%)	EPSS percentile (%)
CVE-2024-47554 <a href="#">↗</a>	7.5	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H	400 <a href="#">↗</a>	0.043	10.788



Status \*

Not affected

VEX justification

Vulnerable code not in execute path



CANCEL



SAVE







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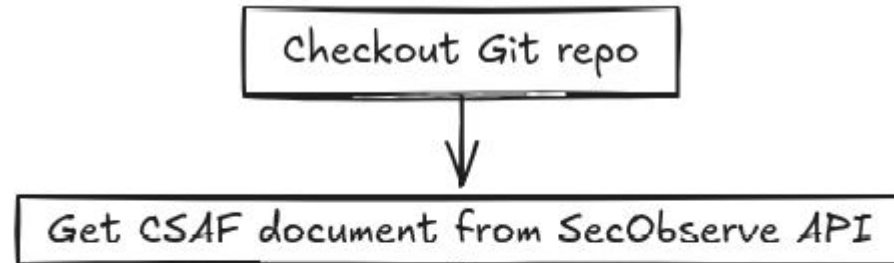
# CSAF publishing workflow

Checkout Git repo

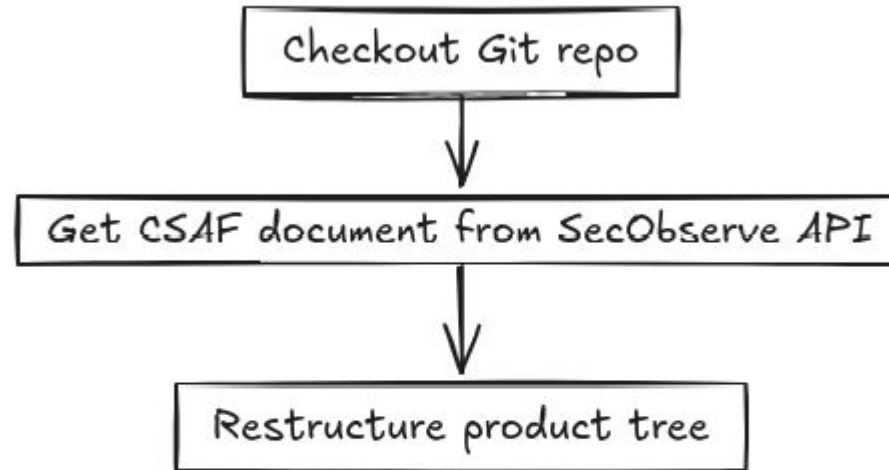
# CSAF publishing workflow

 .github/workflows
 .well-known
 csaf
 CNAME
 _config.yml
 index.html

## CSAF publishing workflow



## CSAF publishing workflow





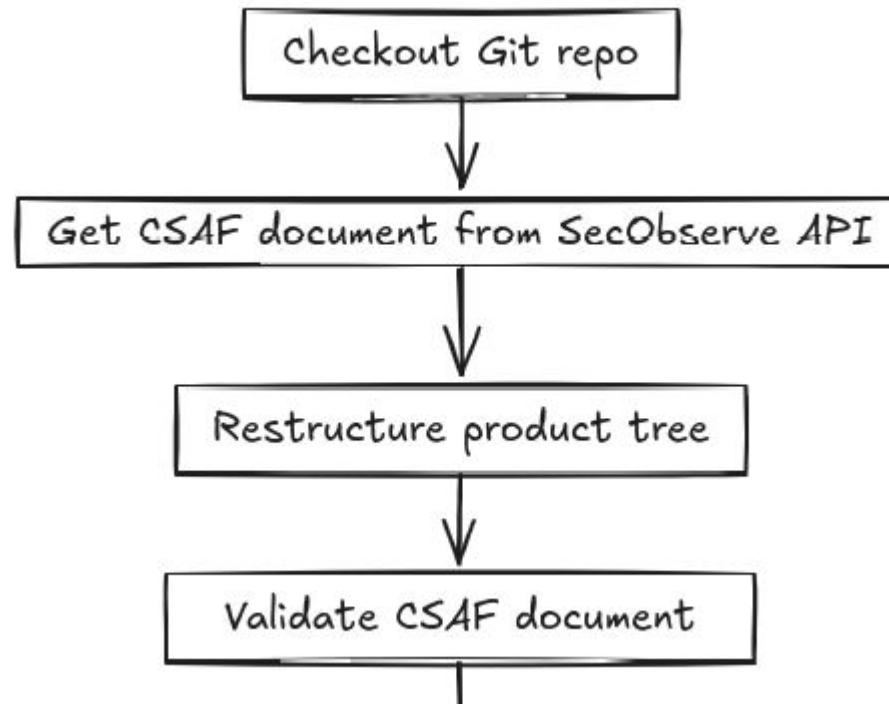
● Document level meta-data	...	32
● Document acknowledgments	...	32
● Aggregate severity	...	32
● Rules for sharing document	...	32
● Document notes	...	32
● Publisher	...	32
● Document references	...	32
● Tracking	...	32
<hr/>		
● Product tree	...	32
● List of branches	...	32
● List of relationships	...	32
<hr/>		
● Vulnerabilities	...	32

● Stackable	...	32
● amd64	...	32
● airflow	...	32
● 2.6.3-stackable24...	...	32
● 2.8.1-stackable24...	...	32
● 2.8.4-stackable24...	...	32
● 2.9.2-stackable24...	...	32
● arm64	...	32
● airflow	...	32
● 2.6.3-stackable24...	...	32
● 2.8.1-stackable24...	...	32
● 2.8.4-stackable24...	...	32
● 2.9.2-stackable24...	...	32
● rhel	...	32
● openssh	...	32
● 8.7p1-38.el9_4.4	...	32
● 8.7p1-38.el9_4.4	...	32
● openssh-clients	...	32
● 8.7p1-38.el9_4.4	...	32
● 8.7p1-38.el9_4.4	...	32





## CSAF publishing workflow



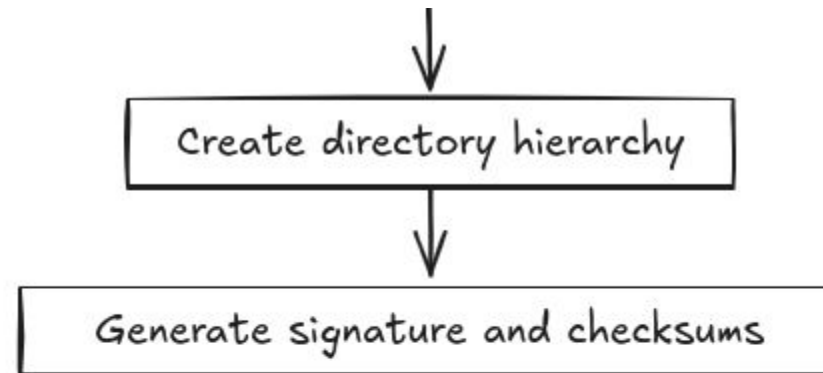
## CSAF publishing workflow



Create directory hierarchy

`advisories / csaf / v2 / advisories / 2024 /`

## CSAF publishing workflow



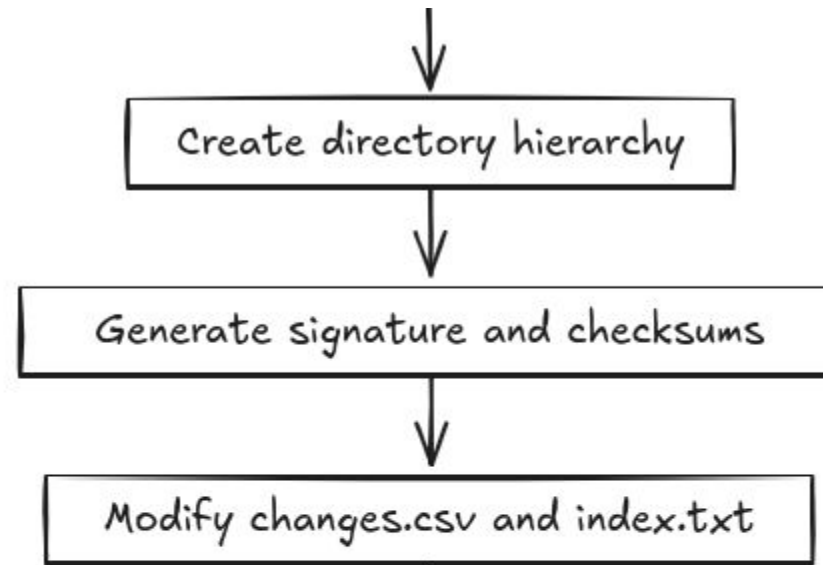
stacksa\_2024\_0089\_0001.json

stacksa\_2024\_0089\_0001.json.asc

stacksa\_2024\_0089\_0001.json.sha256

stacksa\_2024\_0089\_0001.json.sha512

# CSAF publishing workflow



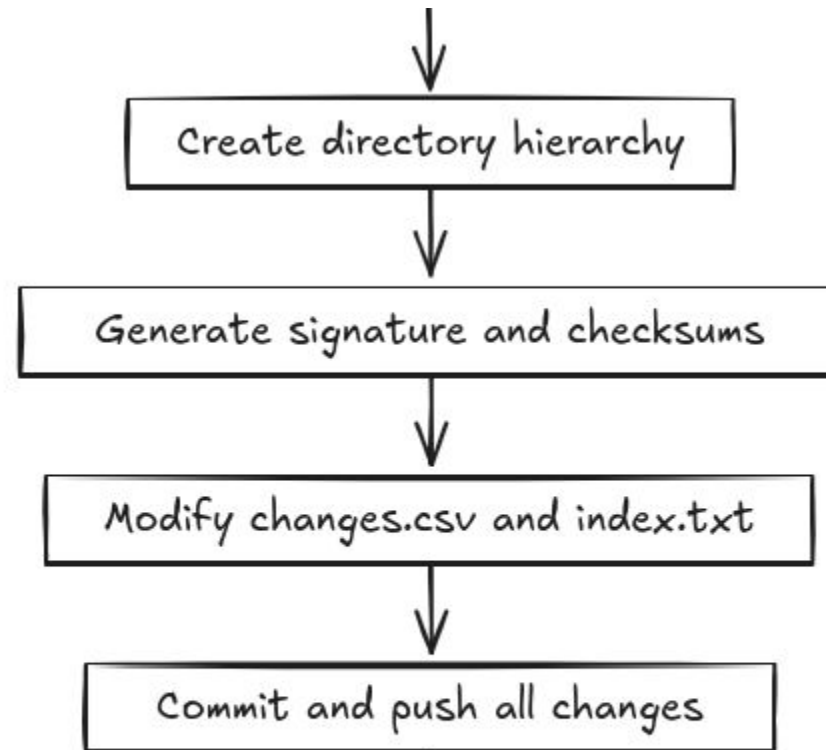
▼ csaf/v2/advisories/changes.csv

...	@@ -1 +1,2 @@
1	+ "2024/stacksa_2024_0101_0001.json", "2024-11-11T20:20:37Z"
1	2 "2024/stacksa_2024_0089_0001.json", "2024-08-29T20:30:16Z"

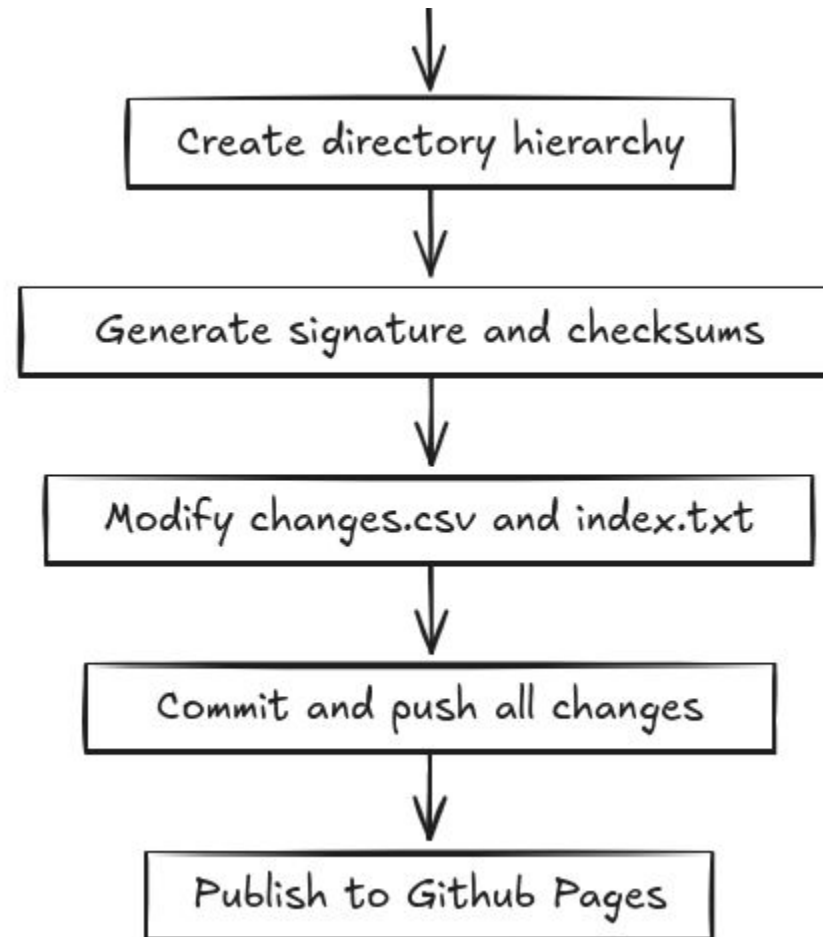
▼ csaf/v2/advisories/index.txt

...	@@ -1 +1,2 @@
1	+ 2024/stacksa_2024_0101_0001.json
1	2 2024/stacksa_2024_0089_0001.json

## CSAF publishing workflow



## CSAF publishing workflow





## Provide CSAF to Trivy



```
[vex] Filtered out the detected vulnerability  
vulnerability-id="CVE-2017-6519"  
product-id="avahi-libs:0.8-20.el9@zookeeper:3.9.2-stackable24.7.0"  
status="not_affected"
```