

나의 쿠버네티스 보안 친구들을 소개합니다

조훈 (Hoon Jo)

- CCIE DC, CKA&D, VCIX-NV6, RHCE, GCPx4



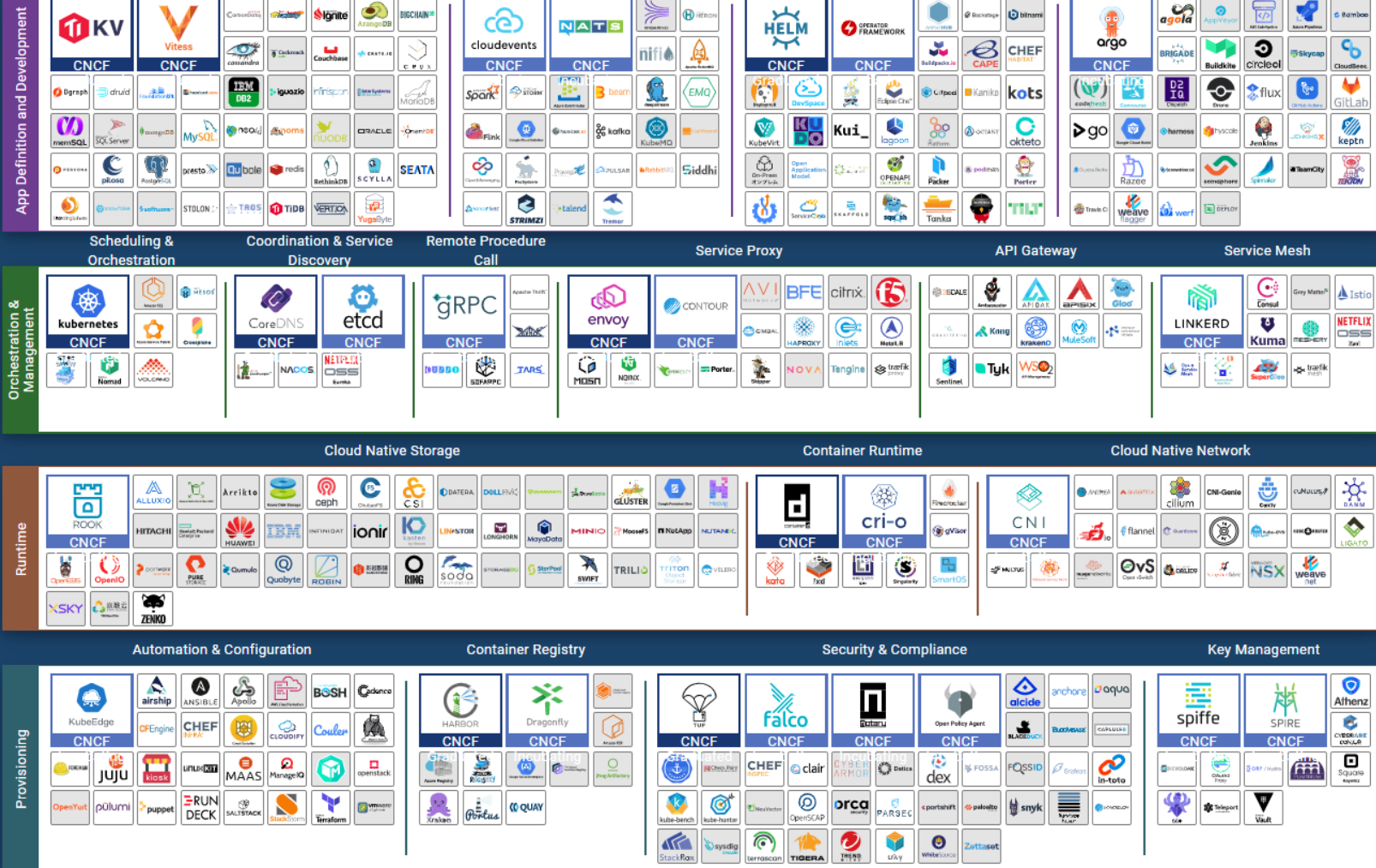
<https://github.com/SysNet4Admin>



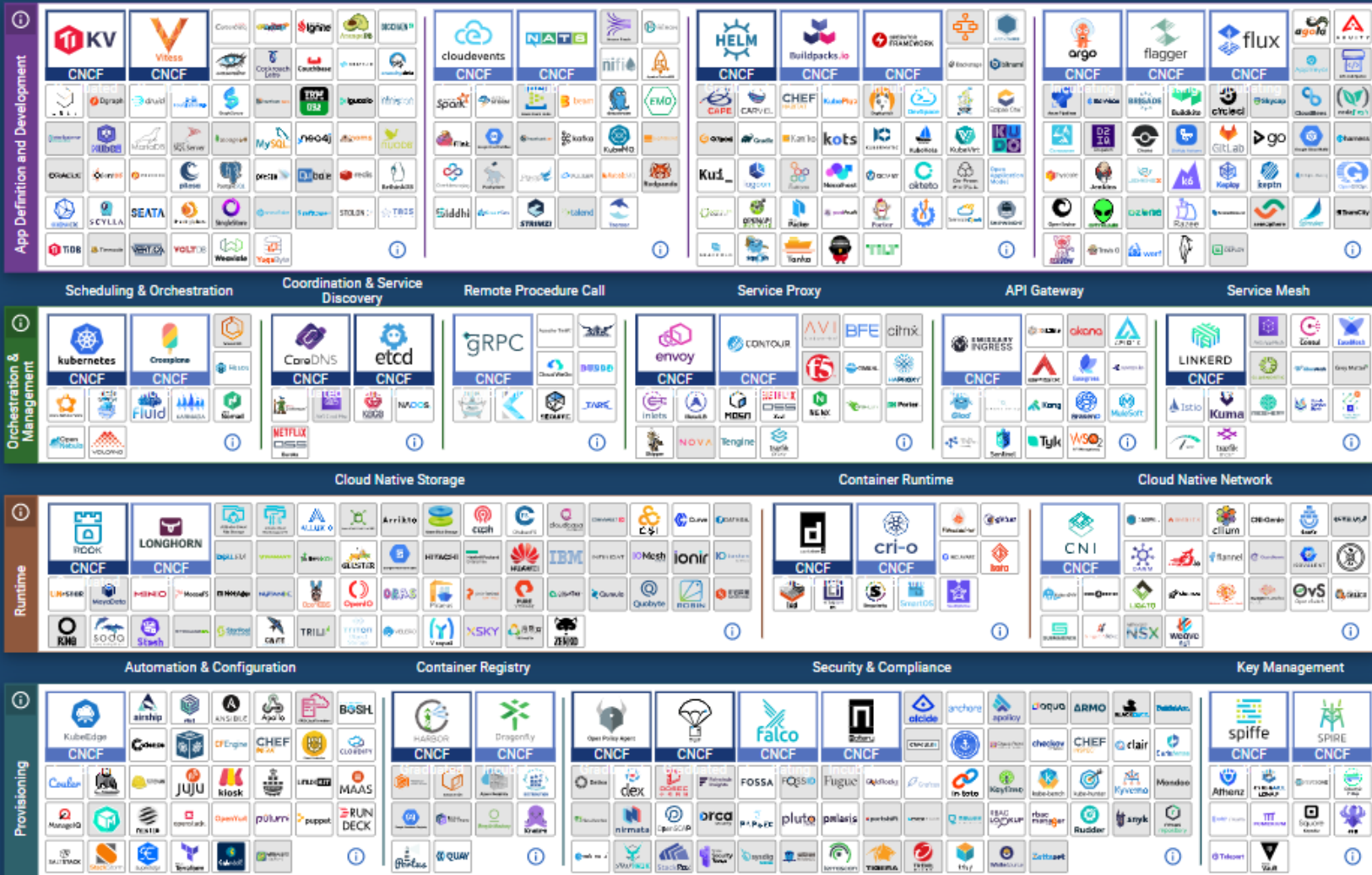
<https://www.linkedin.com/in/hoonjo/>



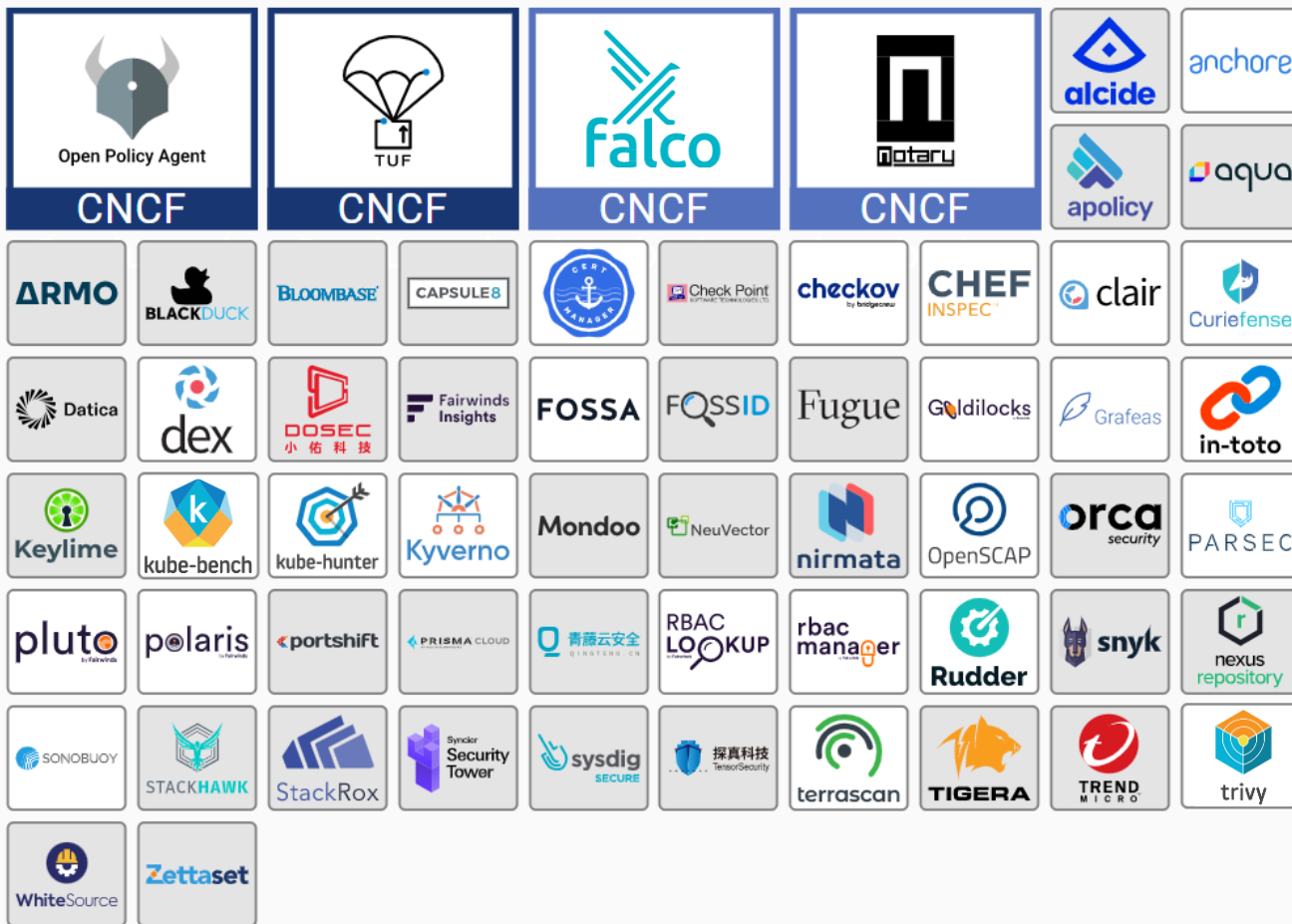
2020



2021



Security & Compliance



Security & Compliance

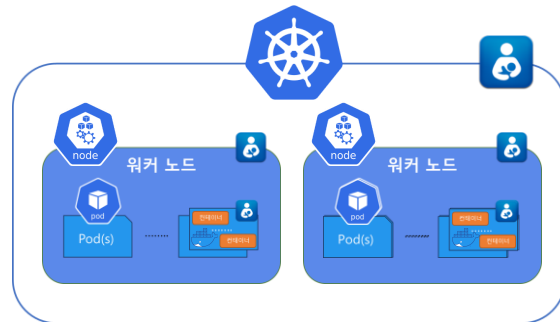


kube-bench



trivy

The logo for Falco, featuring a stylized bird or 'f' shape in blue and green.
falco



[클라우드☺솔루션_아키텍처]@Magazone

CCIE DC, CKA&D, VCIX-NV6, RHCE, GCPx4

인프런(🐉): <https://www.inflern.com/users/@kubernetes>

링크드인(🌐): <https://www.linkedin.com/in/hoonjo/>

깃허브(🐱): <https://github.com/sysnet4admin/>

시스템/네트워크 IT 벤더의 경험 이후, 메가존 GCP 클라우드 팀에서 쿠버네티스와 연관된 모든 프로젝트에 대한 Tech Advisor 및 Container Architecture Design을 제공하고 있습니다. 그 외에 페이스북 'IT 인프라 엔지니어 그룹' 과 '앤서블 유저그룹'의 운영진을 맡고 있으며, 오픈 소스 컨트리뷰터로도 활동하고 있습니다.

그 외에 가지고 있는 지식을 공유하는 것을 좋아하여, 인프런/유데미에서 앤서블 및 쿠버네티스에 관한 강의를 기재하고 있으며, 또한 아는 지식을 문서로 남겨야 한다고 생각하기에 책(『시스템/네트워크 관리자를 위한 파이썬 실무 프로그래밍』, 『우아하게 앤서블』), 『컨테이너 인프라 환경 구축을 위한 쿠버네티스/도커』(길벗) 이 있고, IT 잡지에 기고문을 쓰는 활동도 함께하고 있습니다.



1. 컨테이너의 보안 이슈를 알려주는 친구





trivy

Trivy

Aqua Security CNCF Silver Member

Provisioning · Security & Compliance

Scanner for vulnerabilities in container images, file systems, and Git repositories, as well as for configuration issues

Open Source Software

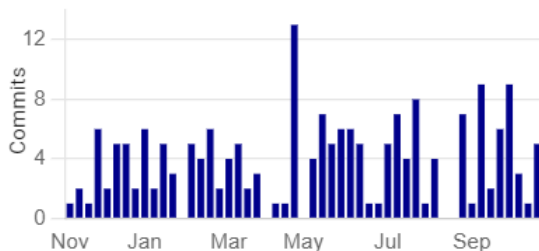
License Apache License

No CII Best Practices

Tweet

1669

Go 94%
Smarty 3%
Shell 2%
Open Policy Agent 1...
Makefile <1%
Mustache <1%
Dockerfile <1%



Website

github.com/aquasecurity/trivy

Repository

github.com/aquasecurity/trivy 8,920

Crunchbase

crunchbase.com/organization/aquasecurity

LinkedIn

linkedin.com/company/aquasecteam

Twitter

@AquaSecTeam

Latest Tweet

this week

First

3 years ago

Commit

Latest Commit

this week

Contributors

133

Latest Release

this week

Headquarters

Burlington, Massachuset...

Headcount

251-500

Funding

\$265M



**Proof
Of
Concept**

2. 쿠버네티스 노드를 감시하고 알려주는 친구





Falco

Cloud Native Computing Foundation (CNCF)

Provisioning · Security & Compliance

Cloud Native Runtime Security

CNCF Incubating Project

LF Project

Open Source Software

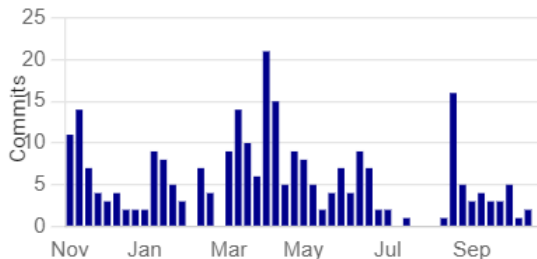
License Apache License

CII Best Practices passing

Tweet

1669

C++ 53%
Shell 14%
CMake 12%
Lua 10%
Python 5%
Dockerfile 4%
C 1%
Other 1%



Website

falco.org

Repository

github.com/falcosecurity/falco 4,205

Crunchbase

crunchbase.com/organization/cloud-native-computing-foundation

LinkedIn

linkedin.com/company/cloud-native-computing-foundation

Twitter

[@falco_org](https://twitter.com/falco_org)

Latest Tweet

this week

First

6 years ago

Commit

Latest Commit

this week

Contributors

121

Latest Release

about a month

Headquarters

San Francisco, California

Funding

\$3M

Accepted

3 years ago

Dev Stats

<https://falco.devstats.cncf.io/>

Artwork

<https://github.com/cncf/artwork/blob/master/examples/incubating.md#fa-logos>

Slack

<https://kubernetes.slack.com/messages/falco>



**Proof
Of
Concept**

3. 쿠버네티스 클러스터를 분석 요약해주는 친구





kube-bench

kube-bench

Aqua Security CNCF Silver Member

Provisioning · Security & Compliance

Checks whether Kubernetes is deployed according to security best practices as defined in the CIS Kubernetes Benchmark

Open Source Software

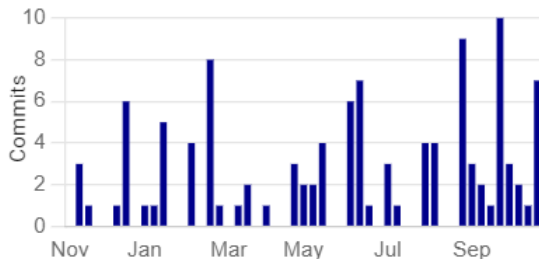
License Apache License

No CII Best Practices

Tweet

1669

Go 97%
Makefile 2%
Dockerfile 1%
Shell <1%



Website

github.com/aquasecurity/kube-bench

Repository

github.com/aquasecurity/kube-bench 4,216

Crunchbase

crunchbase.com/organization/aquasecurity

LinkedIn

linkedin.com/company/aquasecteam

Twitter

@AquaSecTeam

Latest Tweet

this week

First

4 years ago

Commit

Latest Commit

this week

Contributors

123

Latest Release

about a month

Headquarters

Burlington, Massachuset...

Headcount

251-500

Funding

\$265M



**Proof
Of
Concept**

4. 정리 (TL;DR)



쿠버네티스는 다수의 사용자가 함께
사용하는 대형 플랫폼입니다.

따라서 소개한 친구들 외에 다양한 보안
친구들을 통해서 더욱 더 안전한
쿠버네티스를 사용합시다!



감사
!!



압도적
감사..!



질문 시간 입니다!!!

