

Protective Technology with Dockle



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Creator: Tomoya Amachi

Container image linter focused around security
Helps you build best-practice Docker images
Easy to use





Licensed under the Apache License

Can be built from source

Binaries are available for multiple platforms

Docker images available

Easy to use in Continuous Integration environments



https://github.com/goodwithtech/dockle

GitHub - goodwithtech/dockle: X

https://github.com/goodwithtech/dockle

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master 21 branches 66 tags Go to file Code

tomoyamachi Add sponsorship (#168) 081a52b 8 days ago 190 commits

.github	add SarifWriter (#120)	8 months ago
cmd/dockle	Add the option to run Dockle programmatically (#162)	3 months ago
config	add --exit-level option (#49)	3 years ago
imgs	Add sponsorship (#168)	8 days ago
pkg	Update go-sarif version (#167)	8 days ago
.deepsource.toml	add deepsource.toml	2 years ago
.dockerignore	support json format (#26)	3 years ago
.dockleignore	add SarifWriter (#120)	8 months ago
.gitignore	update gitignore	3 years ago
CHECKPOINT.md	modify DKL-DI-0003 (#112)	10 months ago
Dockerfile	buildkit: check ADD statements (#137)	5 months ago
Dockerfile.releaser	buildkit: check ADD statements (#137)	5 months ago
LICENSE	Update LICENSE	2 years ago
README.md	Add sponsorship (#168)	8 days ago

About

Container Image Linter for Security, Helping build the Best-Practice Docker Image, Easy to start

containers.goodwith.tech/

go docker kubernetes golang security security-audit containers linter vulnerability security-tools

Readme Apache-2.0 License 1.8k stars 19 watching 92 forks

Releases 32

v0.4.3 Latest on 6 Oct 2021

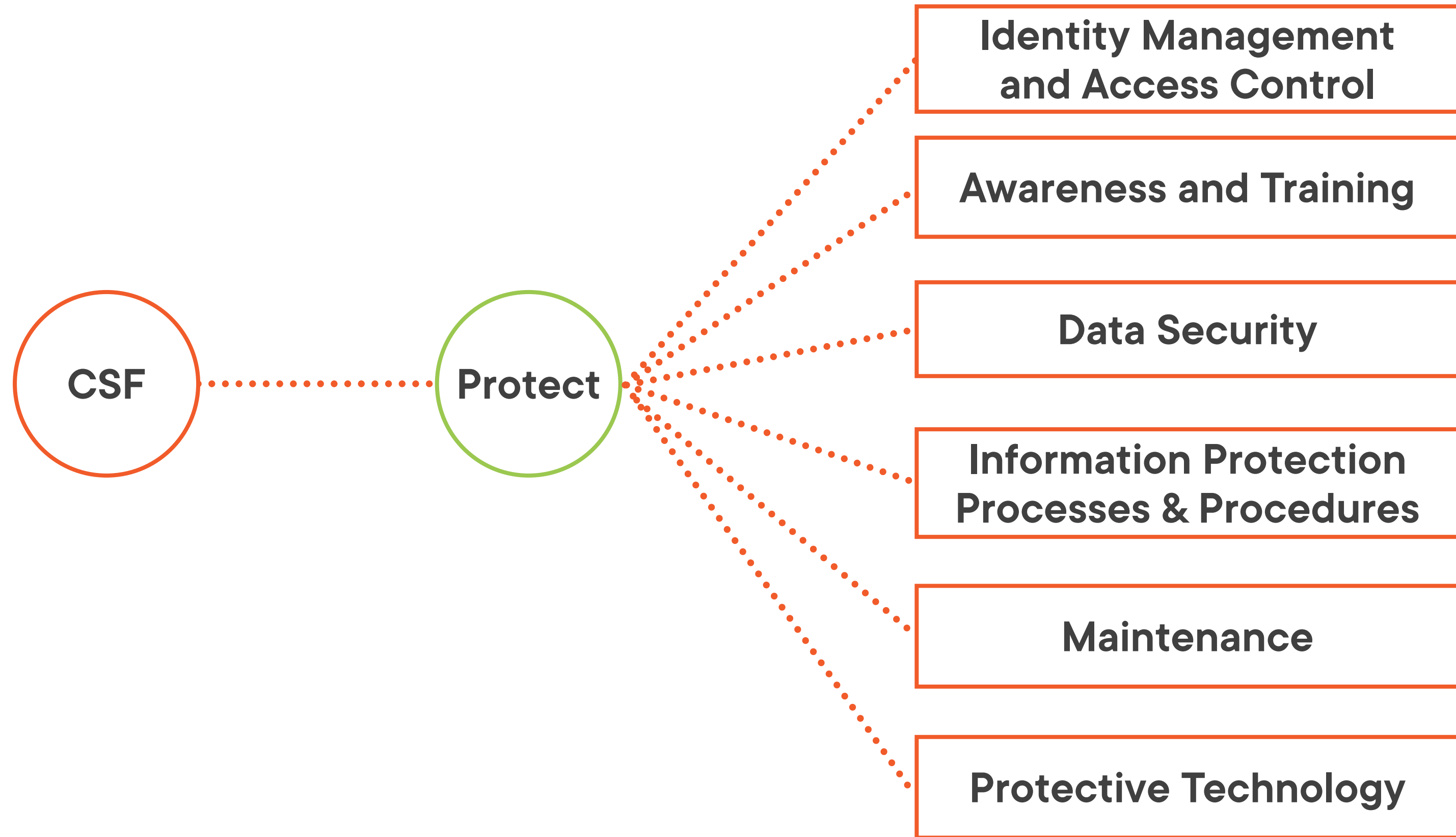
+ 31 releases



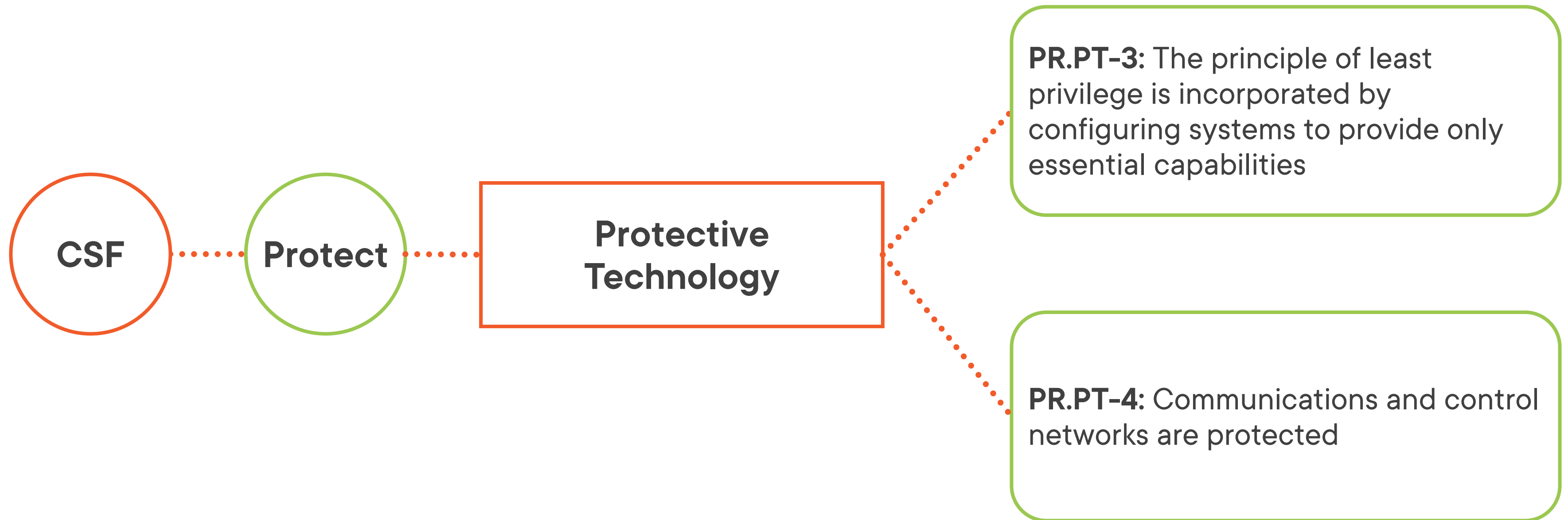
NIST Cybersecurity Framework



NIST Cybersecurity Framework



NIST Cybersecurity Framework



Demo



Basic usage

- Scan a hosted container image
- Scan a local container image
- Format results into JSON



Demo

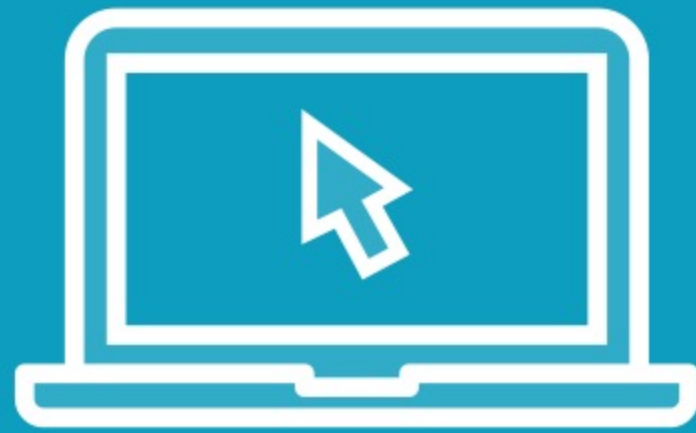


Setting up a Continuous Integration lab environment

- Clone gitlab-demolab repository
- Use docker-compose
- Create GitLab project
- Add SSH commit key
- Push tools-image repository to GitLab



Demo



Add dockle to a Continuous Integration pipeline

- Automatically scan container image
- Verify exit code
- Configure scan results



Summary



Can be used with private registry servers

Under active development

Easy to use within pipelines

Quick wins



Competitor(s)



Hadolint

Docker Bench for Security

Container registry scanning services



More Information

Capabilities

Dockle documentation

<https://github.com/goodwithtech/dockle>

Related Information

NIST Cybersecurity Framework (CSF)

Pluralsight

Performing Automated Security Testing



Thanks for Watching!



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