



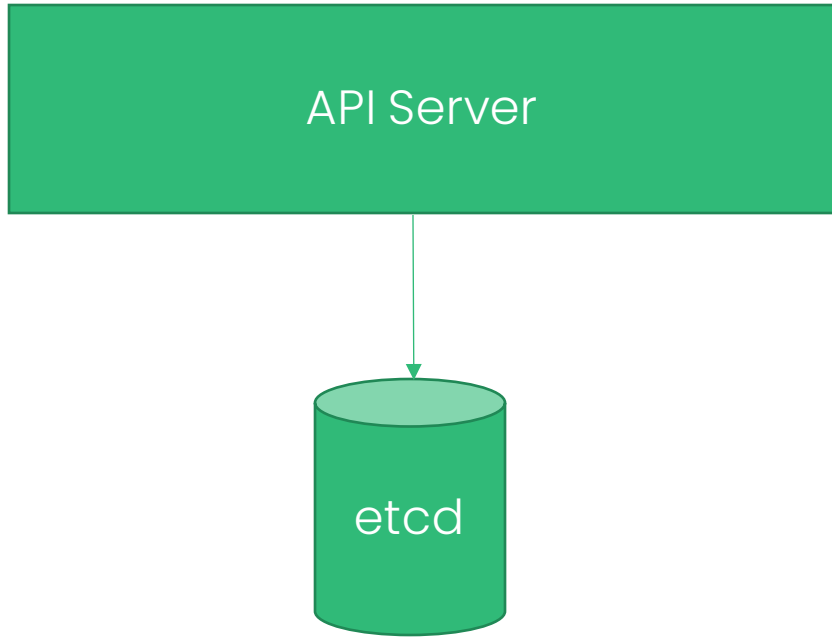
06 FEBRUARY 2022

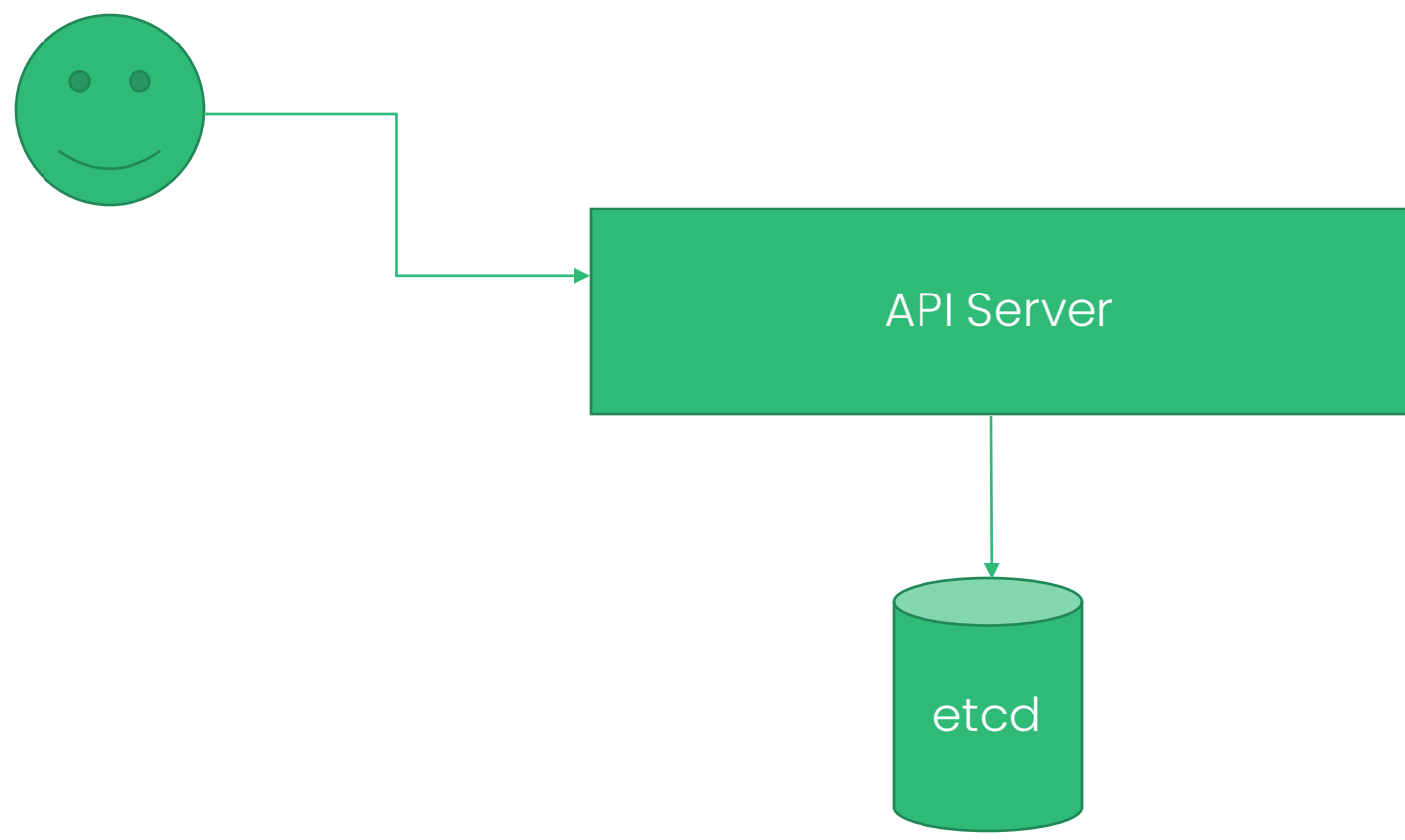
# Extending Kubernetes with WebAssembly

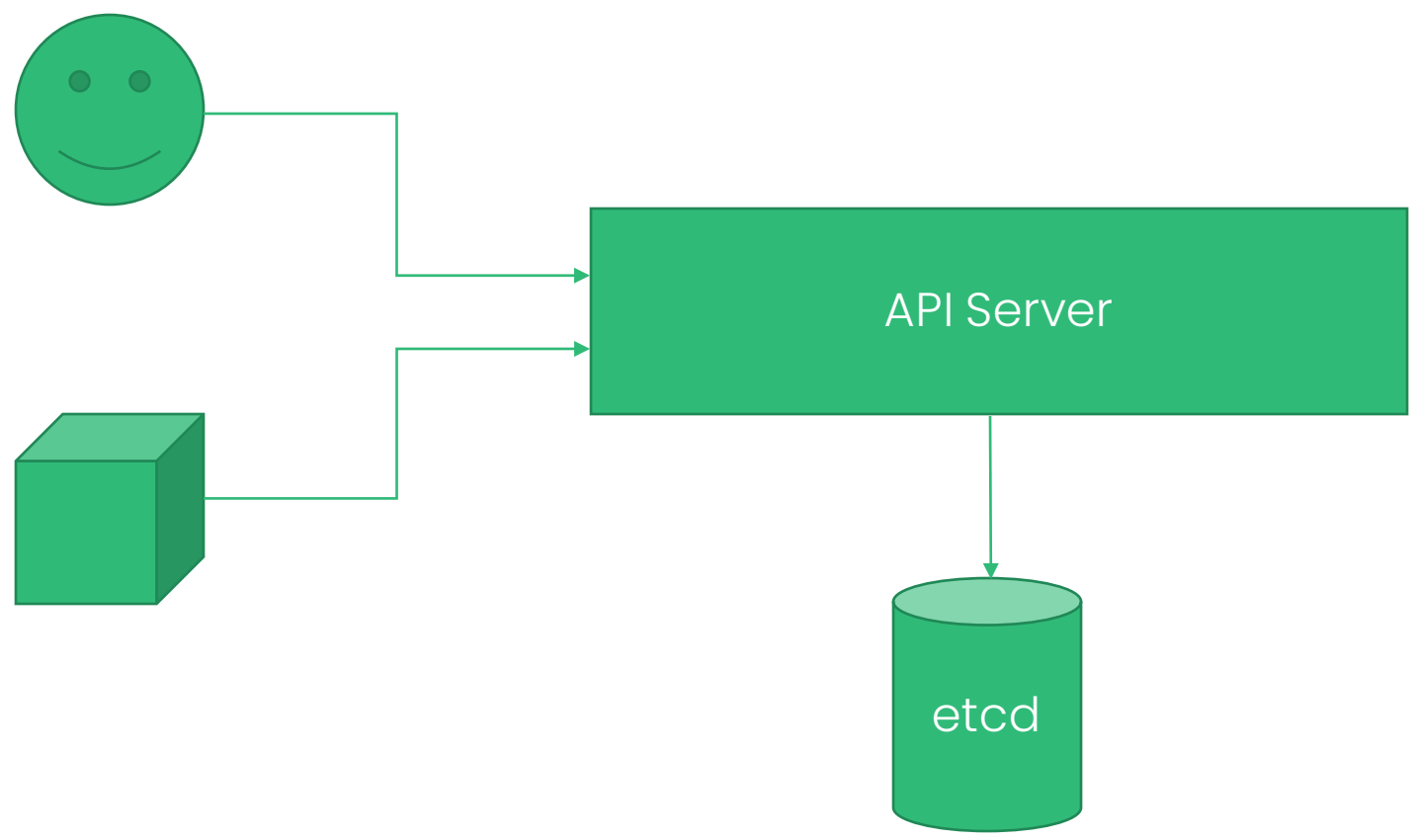


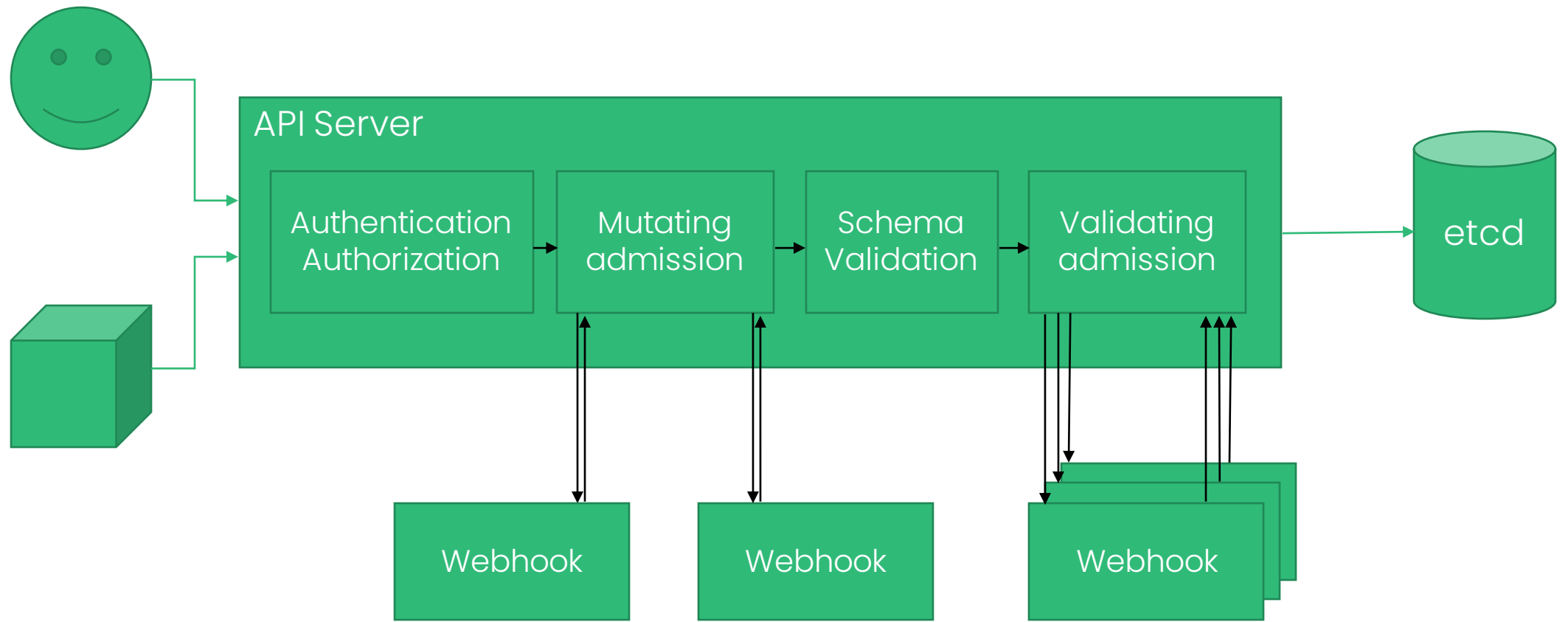
- Binary instruction format
- Build once, run everywhere
- Standalone
- Metadata
- Target in multiple languages
  - Rust
  - Swift
  - TinyGo
  - AssemblyScript
  - ...

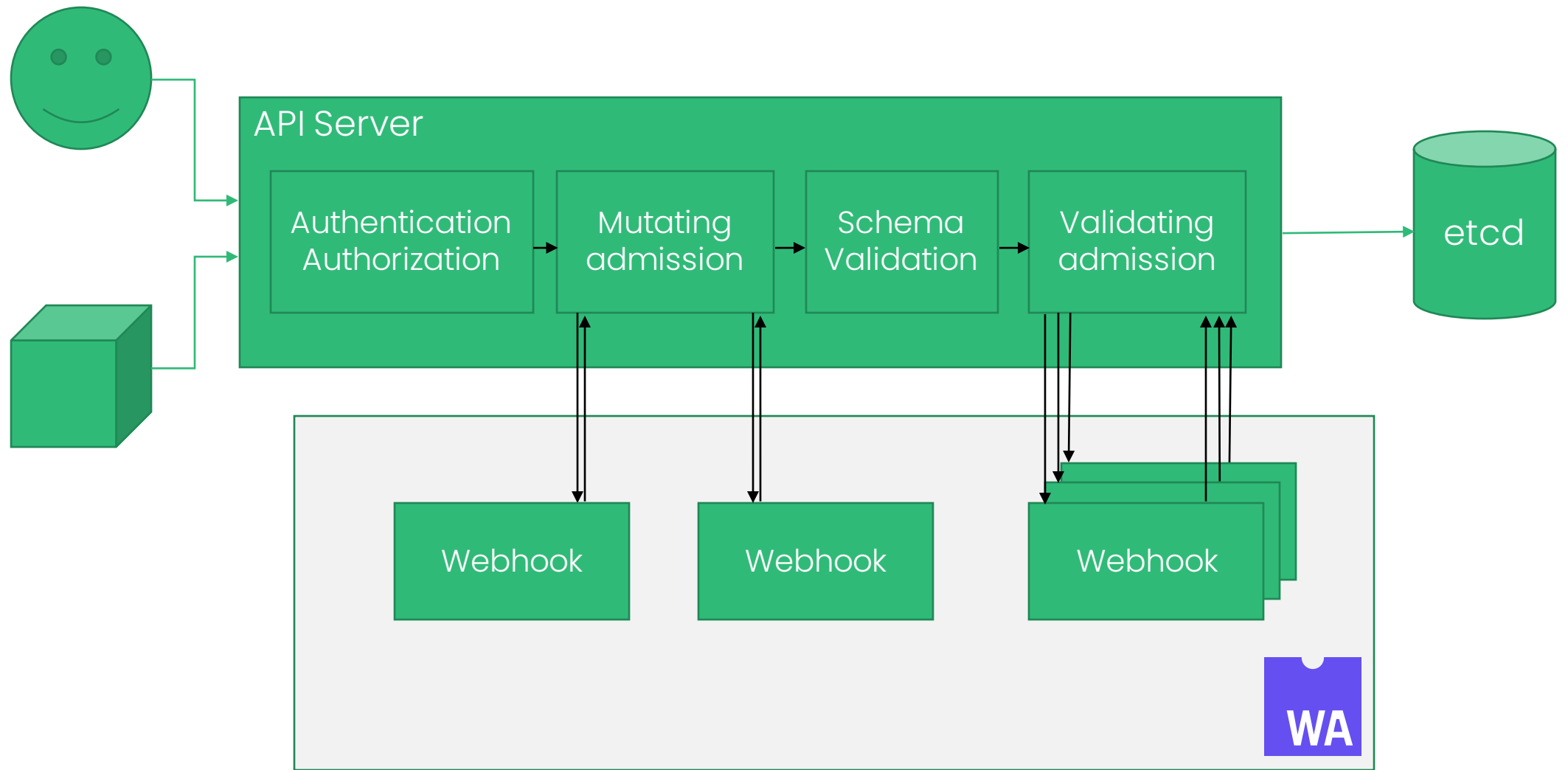
















# KUBEWARDEN



# Policy Execution



Kubewarden  
Controller

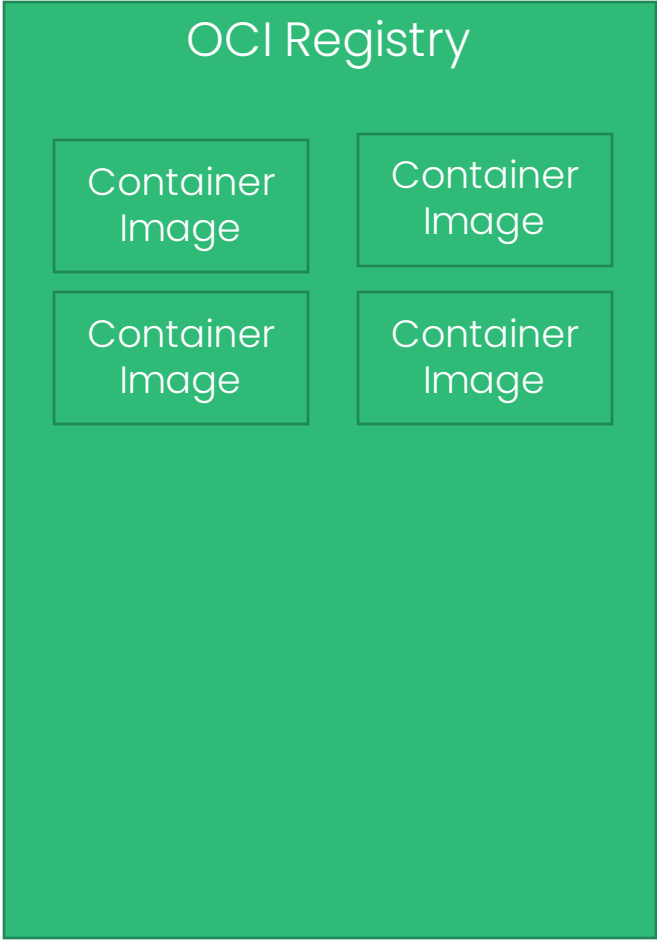
Policy Server

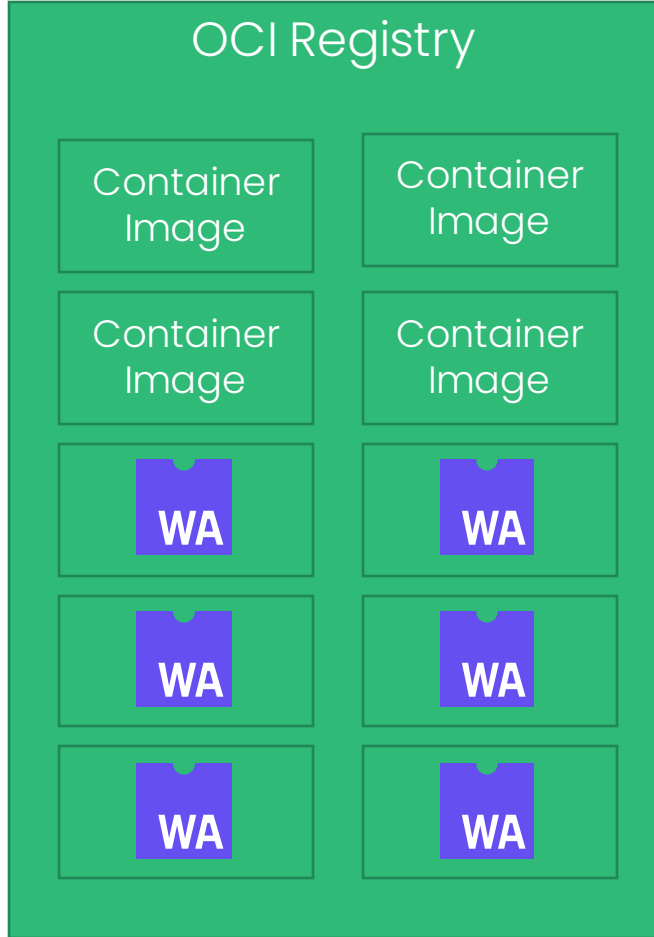
kwctl



# Policy Distribution



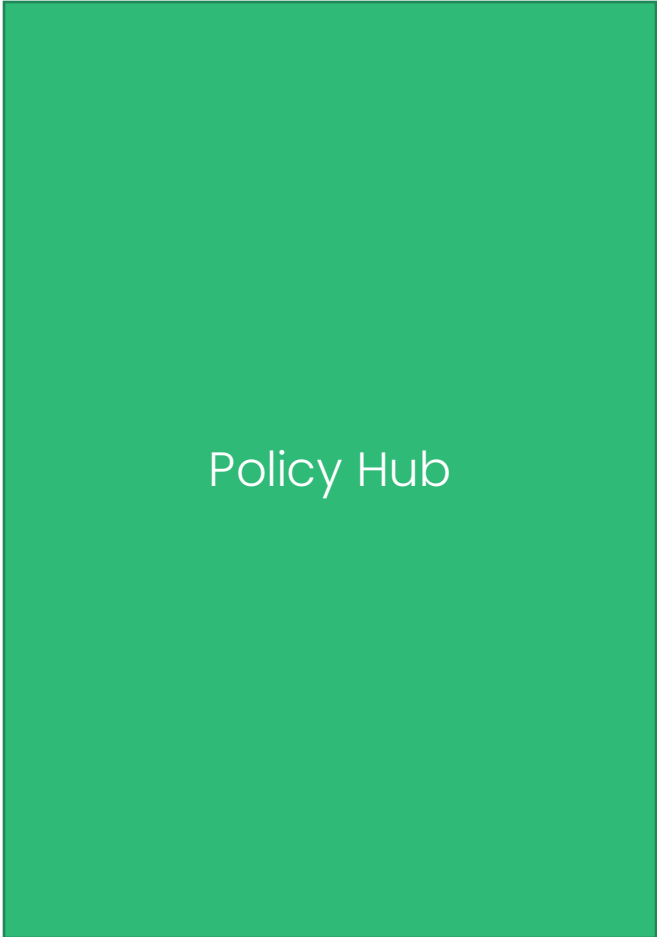






# Policy Sharing







Filter by description

Filter by resources

Filter by keywords

22 items of 22

### allow-privilege-escalation-psp

A Pod Security Policy that controls usage of `allowPrivilegeEscalation`

RESOURCES Pod

KEYWORDS PSP, Container, Privilege Escalation

REGISTRY

ghcr.io/kubewarden/policies/allow-privilege-escalation-psp:v0.110

Homepage Kubewarden devs Download Policy



### allowed-fsgroups-psp

Replacement for the Kubernetes Pod Security Policy that controls the usage of fsGroup in the pod security context

RESOURCES Pod

KEYWORDS PSP, Container, Runtime

REGISTRY

ghcr.io/kubewarden/policies/allowed-fsgroups-psp:v0.11

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### allowed-proc-mount-types-psp

Replacement for the Kubernetes Pod Security Policy that controls the usage of /proc mount types

RESOURCES Pod

KEYWORDS PSP, Container, Runtime

REGISTRY

ghcr.io/kubewarden/policies/allowed-proc-mount-types-psp:v0.12

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### apparmor-psp

A Pod Security Policy that controls usage of AppArmor profiles

RESOURCES Pod

KEYWORDS PSP, AppArmor

REGISTRY

ghcr.io/kubewarden/policies/apparmor-psp:v0.1.8

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### capabilities-psp

A Pod Security Policy that controls Container Capabilities

RESOURCES Pod

KEYWORDS PSP, Container, Capability, Capabilities

REGISTRY

ghcr.io/kubewarden/policies/capabilities-psp:v0.1.8

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### disallow-service-loadbalancer

A policy that prevents the creation of Service resources of type `LoadBalancer`

RESOURCES Service

KEYWORDS Service

REGISTRY

ghcr.io/kubewarden/policies/disallow-service-loadbalancer:v0.1.2

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### disallow-service-nodeport

### flexvolume-drivers-psp



# Demo



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- [docs.kubewarden.io](https://docs.kubewarden.io)
- [hub.kubewarden.io](https://hub.kubewarden.io)



# Thank you

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