Extending Kubernetes with WebAssembly
- Binary instruction format
- Build once, run everywhere
- Standalone
- Metadata
- Target in multiple languages
  - Rust
  - Swift
  - TinyGo
  - AssemblyScript
  - ...
Policy Execution
OCI Registry

Container Image

Container Image

WA

WA

WA

WA

WA

WA
Policy Sharing
Policy Hub
allow-privilege-escalation-psp

A Pod Security Policy that controls usage of ‘allowPrivilegeEscalation’

RESOURCES: Pod
KEYWORDS: PSP, Container, Privilege Escalation

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

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

apparmor-psp

A Pod Security Policy that controls usage of AppArmor profiles

RESOURCES: Pod
KEYWORDS: PSP, AppArmor

capabilities-psp

A Pod Security Policy that controls Container Capabilities

RESOURCES: Pod
KEYWORDS: PSP, Container, Capability, Capabilities

disallow-service-loadbalancer

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

RESOURCES: Service
KEYWORDS: Service

disallow-service-nodeport

RESOURCES: Service
KEYWORDS: Service

flexvolume-drivers-psp
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