Harbor, the trusted cloud native registry for Kubernetes

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User Problems & Concerns

- I want consistency of policy and access for my registry
- I want a common way to describe a policy for consistency and security
- I want peace of mind my artifacts are free from vulnerabilities and secure before deployment to Kubernetes
- I want to enforce compliance policies for my artifacts

A Cloud Native Computing Foundation Incubating project goharbor.io





Harbor

Open source registry that secures artifacts with policies and role-based access control, ensures images are scanned and free from vulnerabilities, and signs images as trusted Delivers compliance, performance, and interoperability to help you consistently and securely manage artifacts for Kubernetes

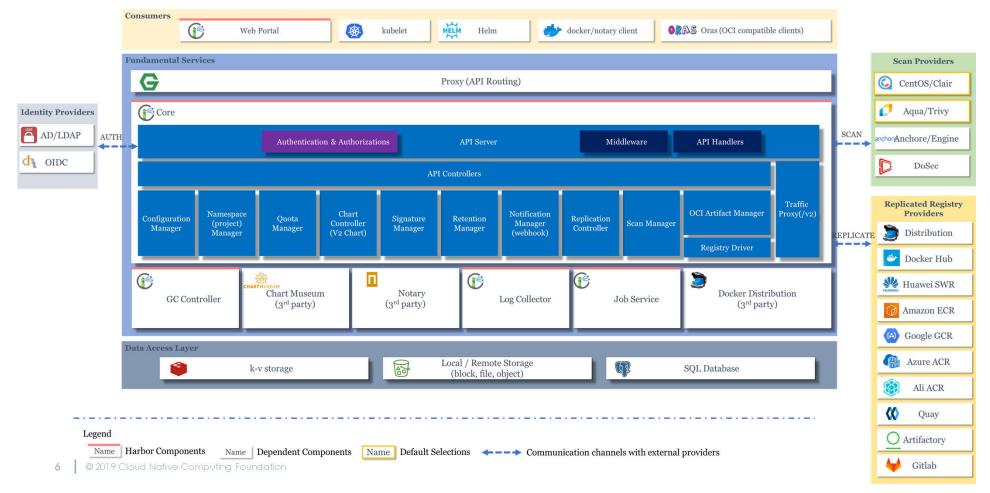


Mission - To be the most secure, performant, scalable, and available cloud native repository for Kubernetes

Core Tenets

- Ownership & Deployment
- Multitenancy
 - RBAC, Project Isolation
- Policy
 - Quotas, Retention, Immutability, Signing, Vulnerability
- Security & Compliance
 - I&AM, Scanning, CVE Exceptions
- Extensibility Compatible with existing investments in infra & services
 - Webhooks, Replication, Pluggable Scanners, REST API, Robot Accounts, CLI Secrets

Architecture



Feature Progress up to Harbor v2.0

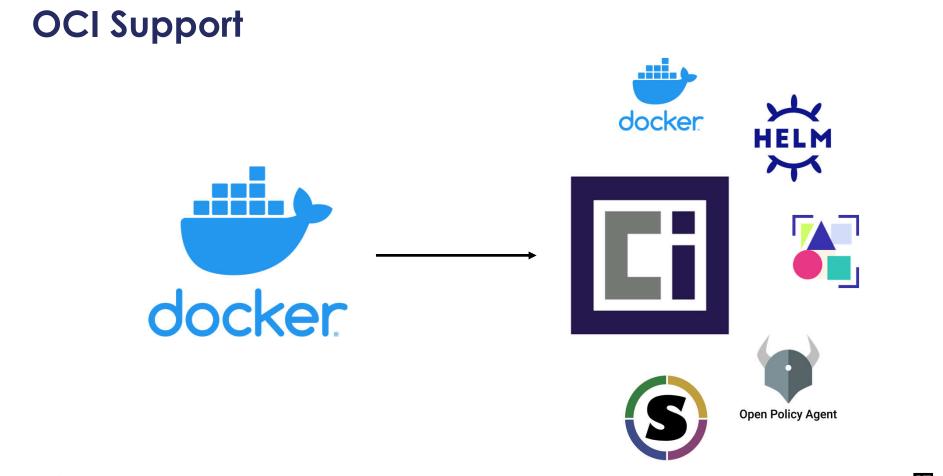
- 1. Image Retention Policies
- 2. Project Quotas
- 3. Webhook Events
- 4. Introducing new Replication Targets
- 5. CVE Exception Policies
- 6. Immutability
- 7. Pluggable Scanners
- 8. I&AM improvements (OIDC Groups, Limited Guest, and more)

Harbor News

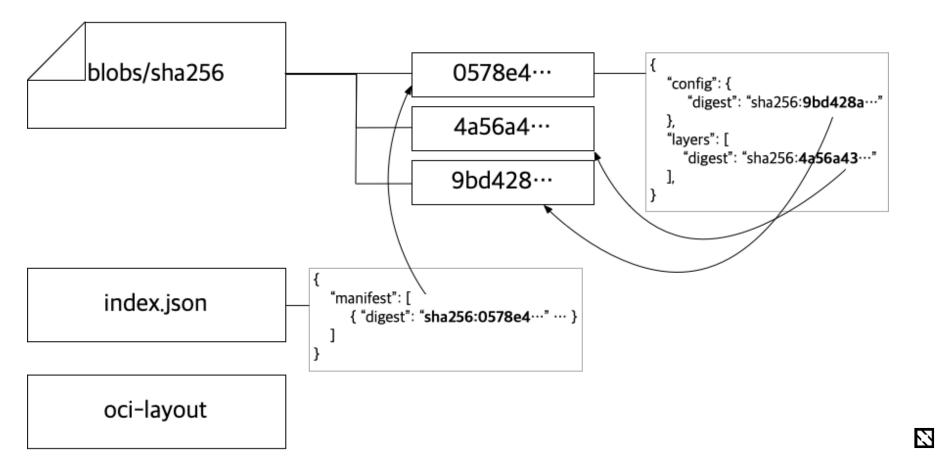
- Harbor v2.0 release
- New website
- New documentation (including search)
- Harbor Operator is released
- CNCF Graduation vote

Harbor 2.0

OCI image compliant Aqua's Trivy is now the default scanner Service-to-Service SSL Robot Account expiration Webhook trigger customization and Slack integration Tag improvements UI Dark Mode



OCI Index / Docker Manifest List



Trivy, by Aqua Security

The default scanner in Harbor

Simple, Comprehensive, and Fast Vulnerability Scanner for Containers, Suitable for CI with High accuracy

OS package support

Application dependency scanning

Deep scanning

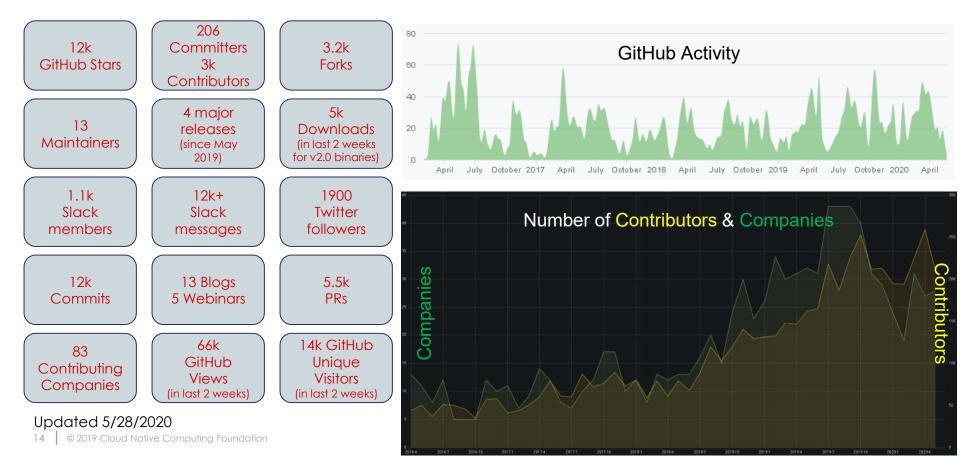




Demo!

CLOUD NATIVE

Harbor Community





Collaborate with the Harbor team

GoHarbor.io



lists.cncf.io/g/harbor-users lists.cncf.io/g/harbor-dev



#harbor #harbor-dev



demo.goharbor.io
• Sign up for an account



@project_harbor

https://goharbor.io/community/ • APAC+EU: 9pm UTC+8 time zone

APACTED. 9pm 01C+6 nme zone
 Americas: 1pm Pacific time zone

