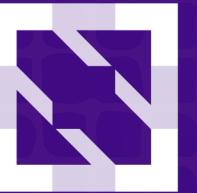




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Harbor

Steven Zou (szou@vmware.com) / Core Maintainer
Wenkai Yin (yinw@vmware.com) / Maintainer

2019.06.25

Who we are?



Steven (Jia) Zou

- Core maintainer of open source project Harbor
- Staff engineer @ VMware R&D center
- Github ID: [steven-zou](#)
- DEV & Community



Wenkai Yin

- Maintainer of open source project Harbor
- Senior engineer @ VMware R&D center
- Github ID: [ywk253100](#)



Agenda



Highlights: V1.8



Next: V1.9



Roadmap



Harbor Overview



Community



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Overview

Features

Fundamental

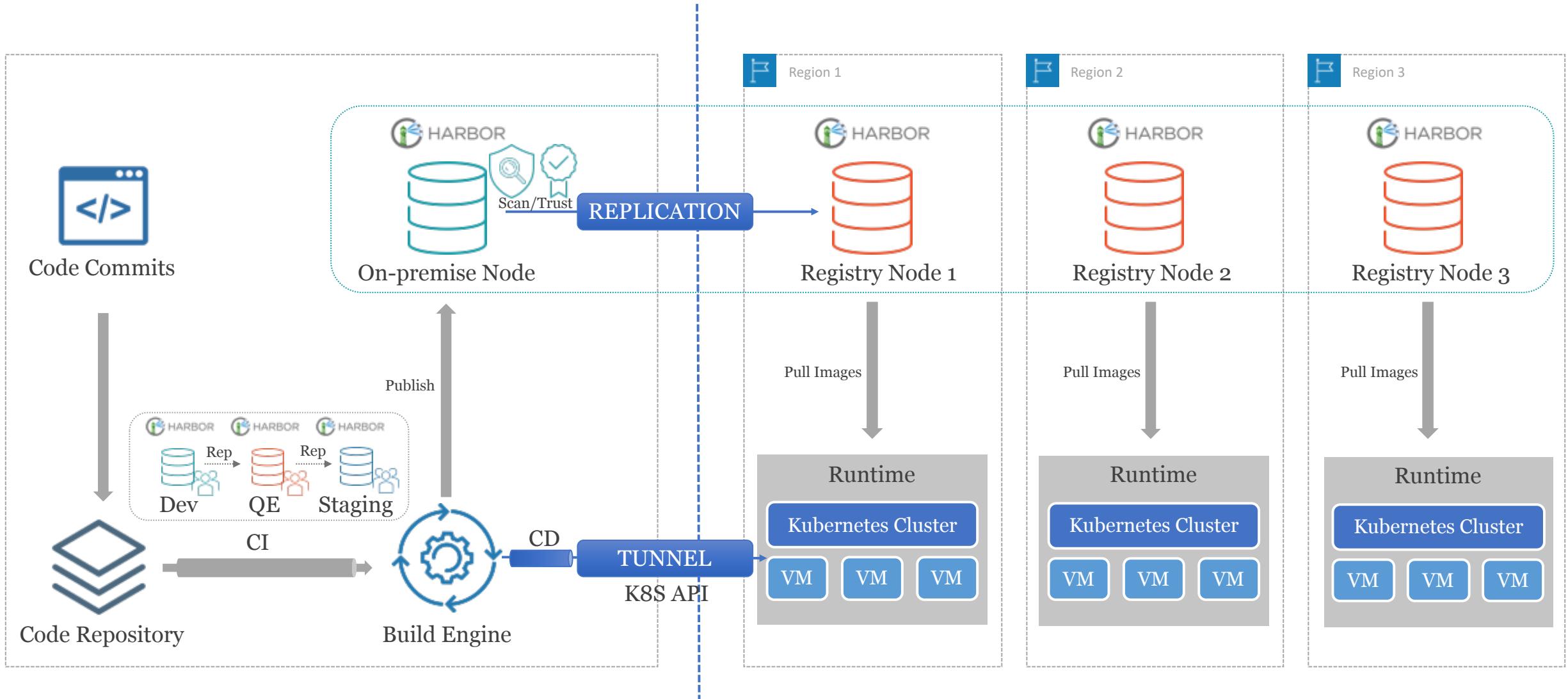
 Multi Backend Storages	 Image Management	 Chart Management						
 Identity Integrations		 REST API						
 Multi Consumers	 Management Portal	 CLI (Community)						
			 Content Replication		 Online GC			
			 Health Check		 Robot Account			
	 Vulnerability Scanning (Clair)	 Content Trust (Notary)						
	 Namespace Isolation	 Distribution Policy						
	 Access Control (RBAC)	 Access Log						
			 Offline/Online Installers		 Harbor Chart			

Security

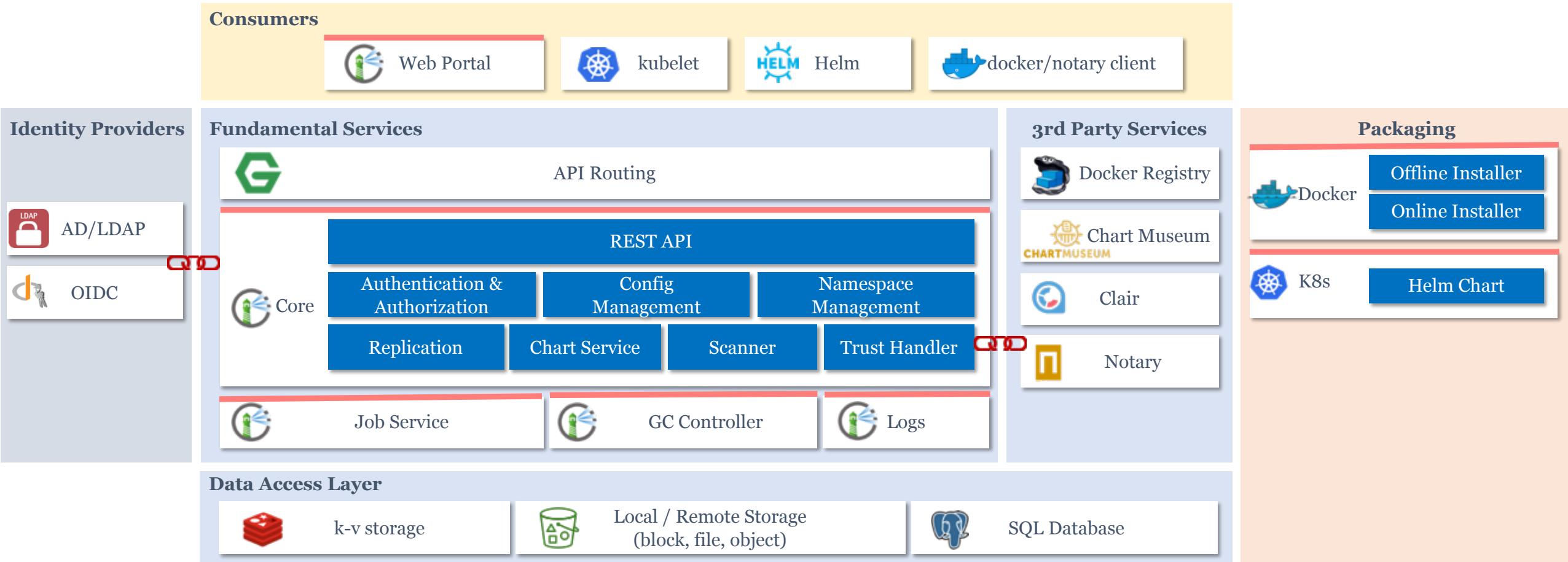
Operation

Deployment

Typical Serving Scenario



Overall Architecture





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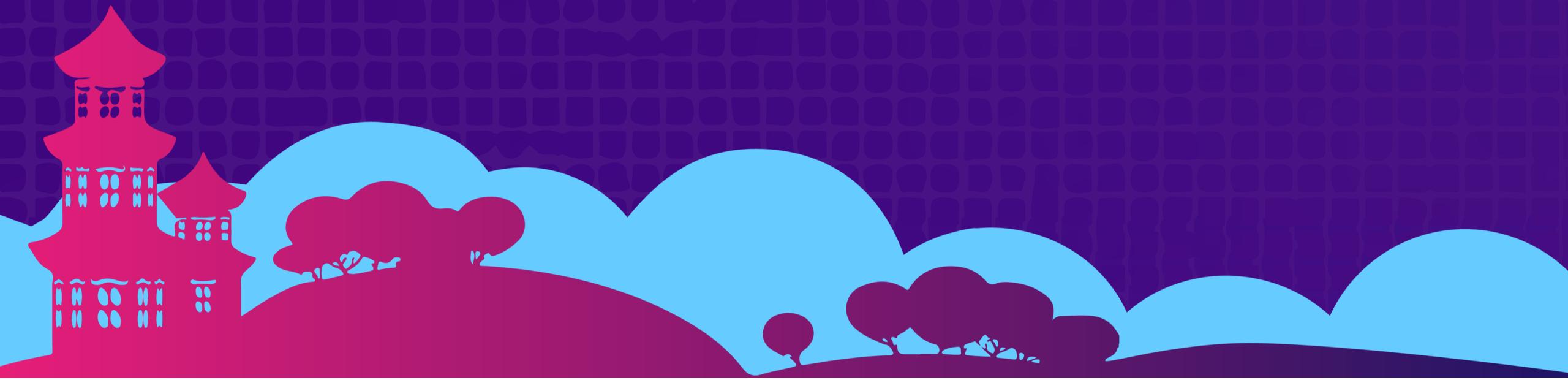


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Highlights in V1.8





Harbor V1.8.0 is GAed on May 21st
Announced at KubeCon Barcelona

Replication NG

Feature Enhancements



Policy Based



Harbor<->Non-Harbor

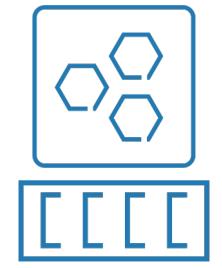
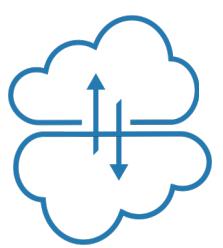
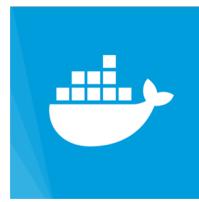


Image + Chart

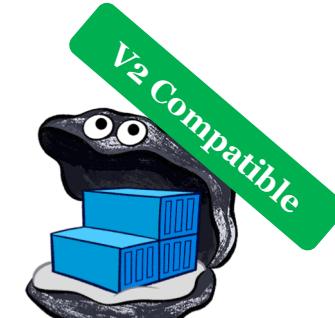


Pull/Push Mode

Drivers Supported



Docker Hub



Docker Distribution



Huawei Container Registry (SWR)

Drivers Supporting



ECR



GCR



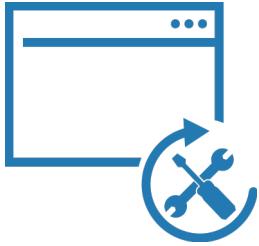
ACR



Ali-ACR



Open ID Spec



Configurable Providers



Web SSO



Docker CLI Secret



Google Identity



Dexidp/dex



Ping Fedrate

Verified Providers



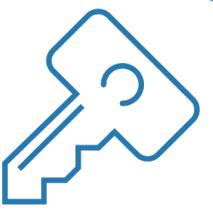
Keycloak



Other OpenID Compatible Providers

More Providers In Future

More New Features



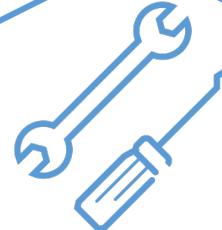
Robot Account

- Pull/Push perms
- Benefit for CI/CD



Health Check

- Health API provided
- Benefit for monitoring



Deployment

- Refactor scripts
- Refactor config management



API Explorer

- Check API via portal
- Easy for debugging



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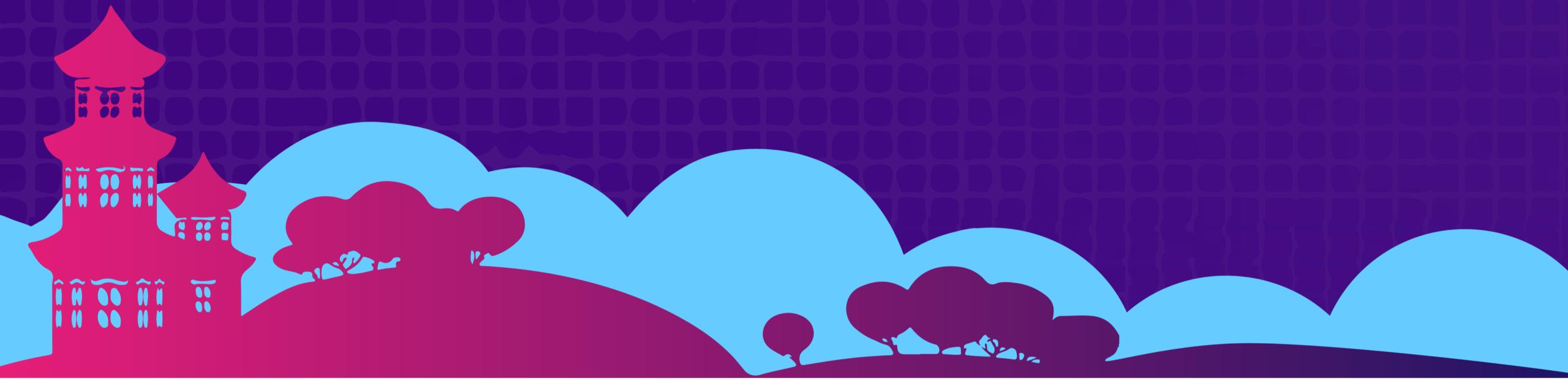


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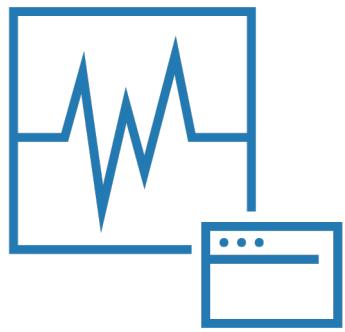
Next: V1.9



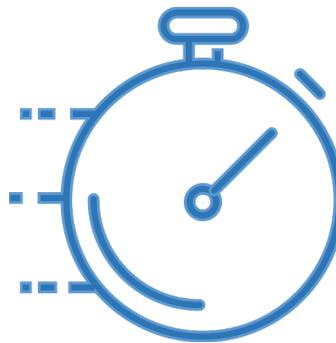
V1.9 Release Plan



Quota Per Project



Webhook



Retention Policy (TTL)



CVE Whitelist



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Roadmap



Roadmap

Management



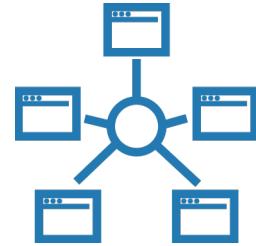
Kubernetes Operator



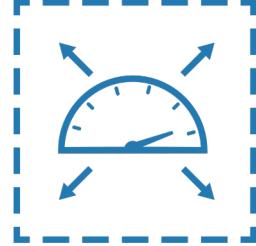
Quotas



Advanced Access Control



Logging Endpoint



Perf & Scale

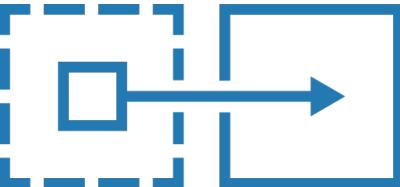
Extensibility



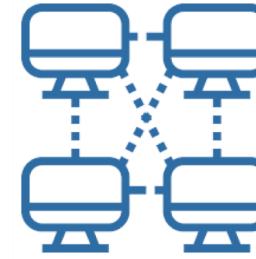
High Availability



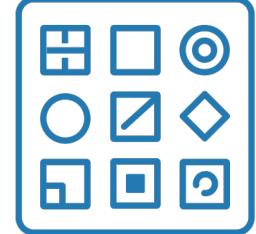
Interrogation Service



Proxy Cache



P2P Distribution



Repository Beyond image/Helm



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Community



HARBOR



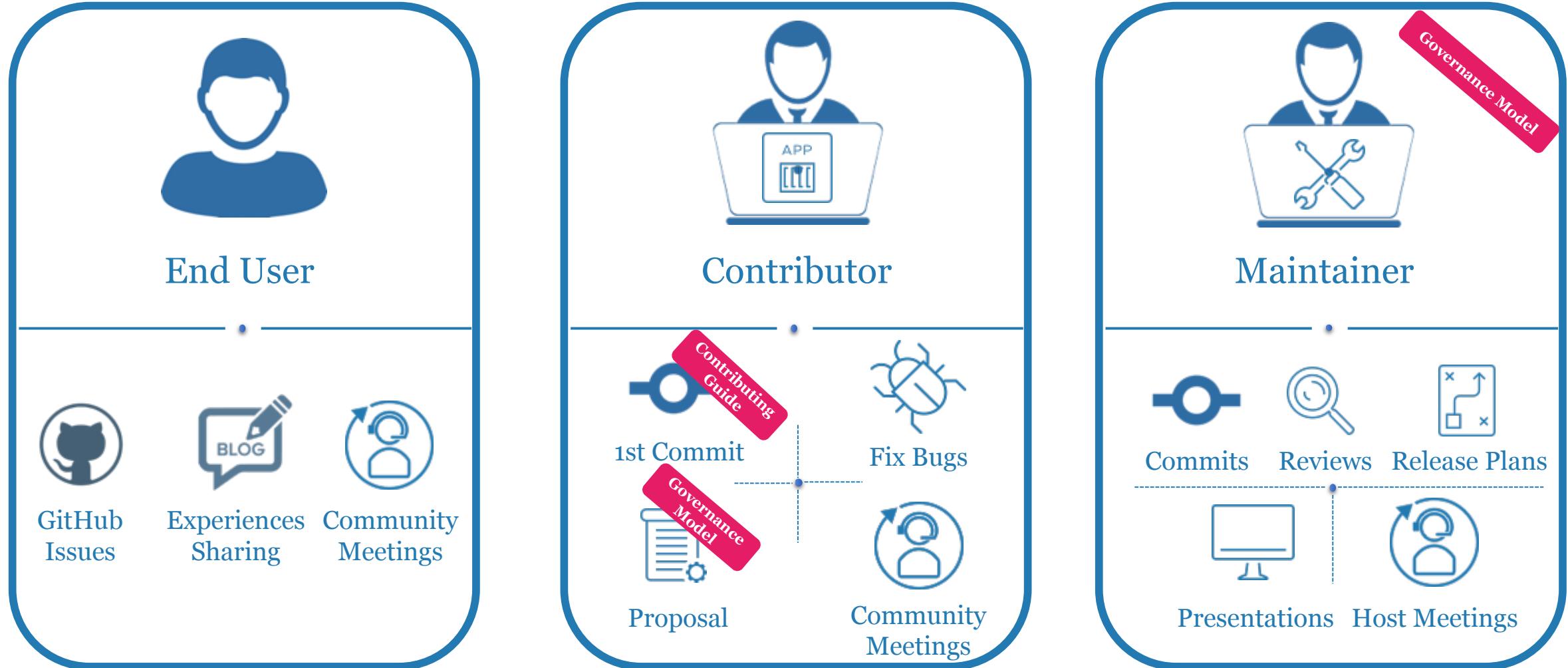
8100+

We're trying to build an **open, fair, transparent and self-government** community

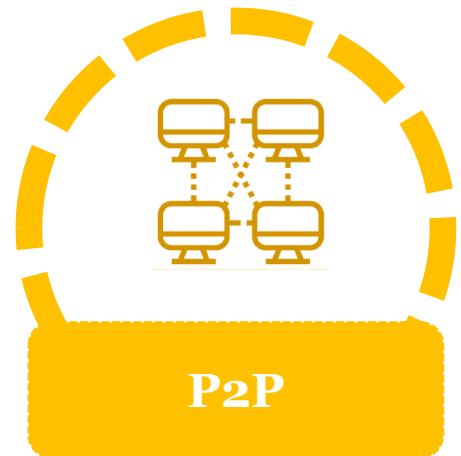
Global Contributions



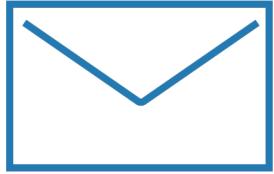
Levels of Participation



Workgroups



More ways to get involved



- harbor-users@lists.cncf.io
- harbor-dev@lists.cncf.io



- slack.cncf.io
- [#harbor](#)
- [#harbor-dev](#)



[@project_harbor](#)



<https://demo.goharbor.io>

- *Username: admin*
- *Password: Admin!23*



https://github.com/goharbor/community/blob/master/MEETING_SCHEDULE.md

- *Bi-weekly*
- *APAC+EU zone: 9pm UTC+8 time zone*
- *America+EU zone: 1pm Pacific time zone*



Thank you very much!



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