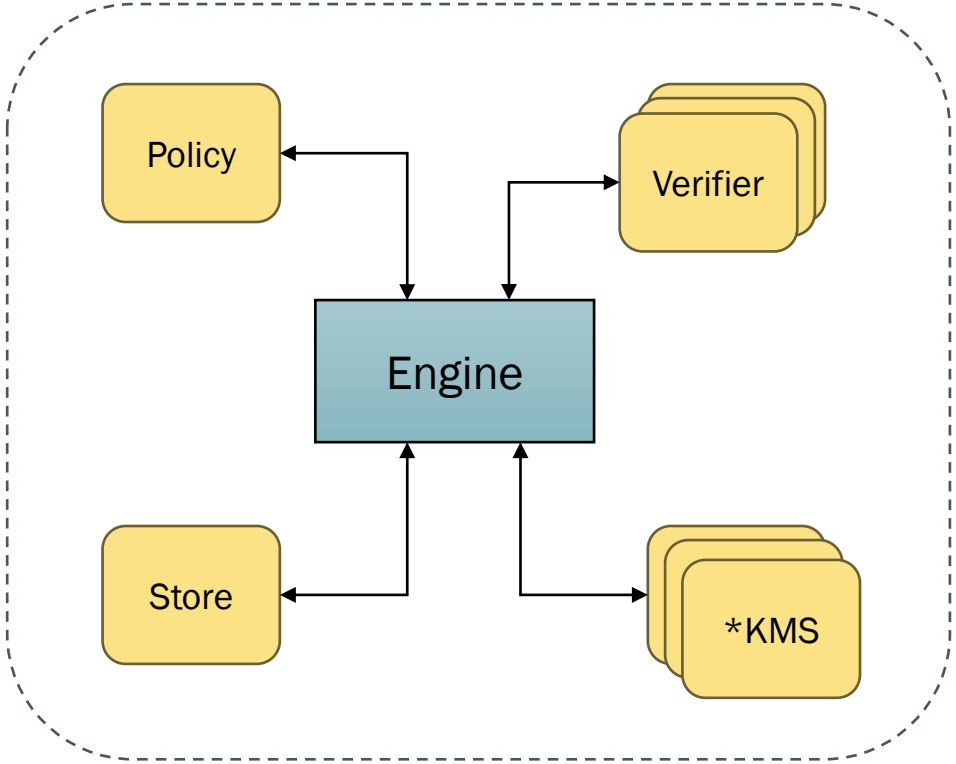
Ratify

https://ratify.dev

What is Ratify?

- Verification framework for supply chain artifacts stored in a registry
- Kubernetes Service + CLI
- Verifies image reference artifacts
  - Signatures (Notary Project, Cosign)
  - Software Bill of Materials
  - Vulnerability Reports



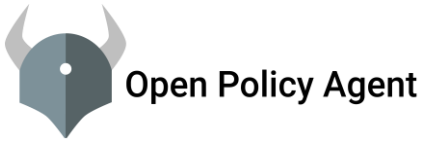
*KMS = Key Management System

Capabilities

- CRDs for simple configuration
- CLI support for non K8s scenarios
- Multiple artifact verifiers. Bring your own!
- Capable of policy decisions
- Supports any OCI compliant registry
- *Production grade

*Read performance report here

Community Engagement



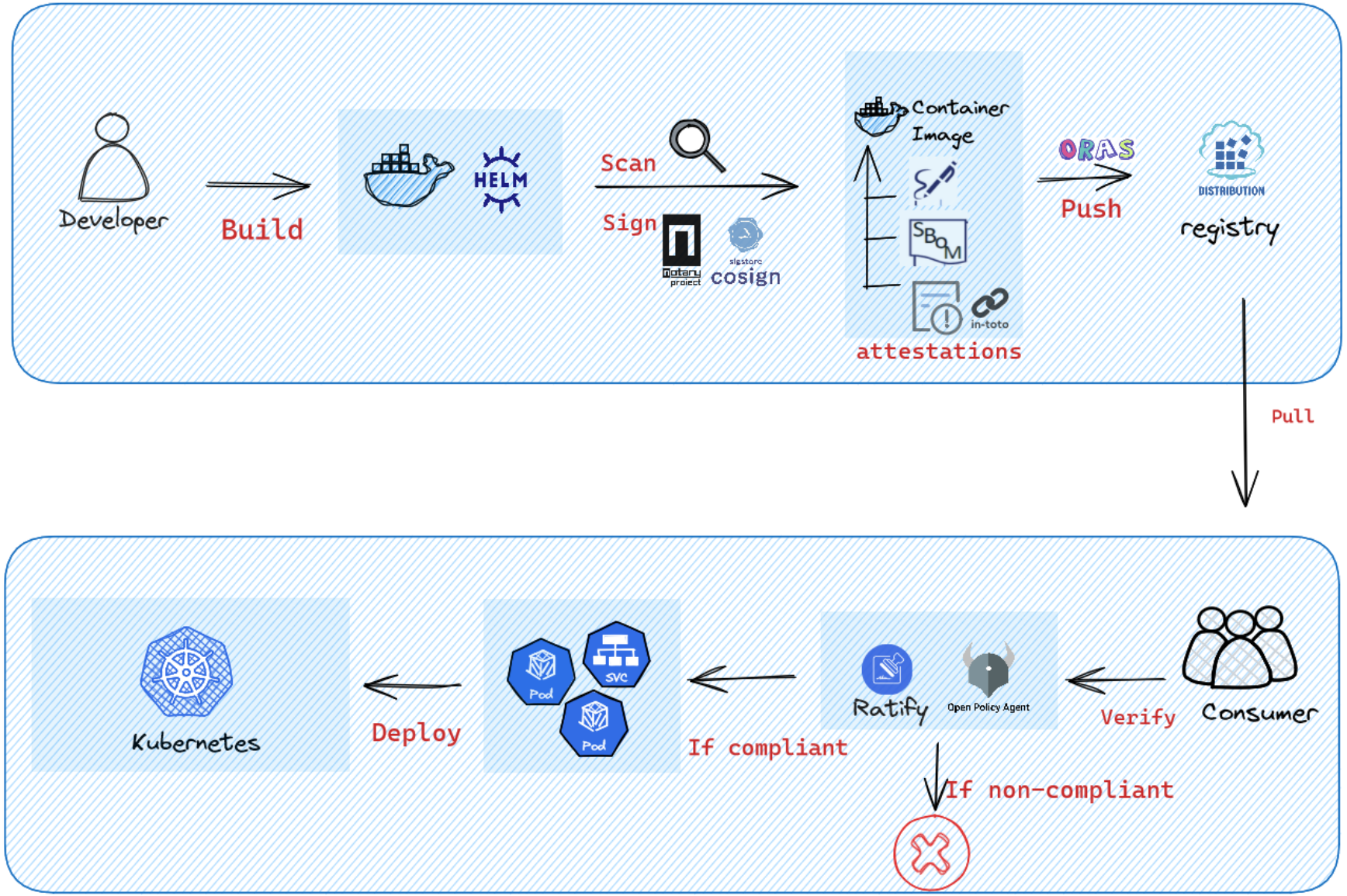
Collaborate with and incorporate multiple OSS projects

- ✓Open Policy Agent Gatekeeper
- ✓ORAS
- ✓Notary Project
- ✓Sigstore Cosign

Integrated with multiple vendors

- ✓AWS Signer
- ✓Azure Kubernetes Service Image Integrity
- ✓Venafi CodeSign Protect

Demo: Signature Validation



Ratify – Demo Video

Future Roadmap

- v1.2.0 and v1.3.0 releases
- Migrate to ratify-project organization
- Introduce and improve new verifiers
- Multitenancy support via namespaces
- Improved CLI experience for CI/CD usage
- Attestation verification (e.g. In-toto)
- Container runtime verification (containerd)

Call to Action

- Try Ratify! https://ratify.dev/docs/quick-start
- New contributions are welcome
- Join #ratify channel on CNCF slack to stay up to date
- Weekly community call (schedule here)