

# Building together with the Kubernetes open-source community



Contributing to the Kubernetes open-source community to accelerate innovation, foster collaboration, and grow the ecosystem. Leveraging this work in vSphere KubernetesService (VKS) built into the VMware Cloud Foundation (VCF) to help organizations deploy and run modern applications at scale with stability, consistency, and security.

## By the Numbers

TOP **5** contributors to the Kubernetes community over 10 year period

**6** Kubernetes Projects Originated

**6** Kubernetes Projects Supported

## Contributions to the Ecosystem

We have developed projects with the open-source community to nurture growth and adoption.



### Networking and Security



#### Antrea

Enterprise grade Container Network Interface (CNI) that simplifies connectivity and security for workloads clusters.



#### Contour

Ingress controller that routes external traffic into the cluster



#### Pinniped

User authentication solution that integrates with the organization's external Identity Provider (IDP) to align access to the Kubernetes cluster with the organization's policies.



### Lifecycle Management



### Registry Services



#### Velero

Tool to backup, restore, and migrate Kubernetes cluster resources



#### Cluster API

Kubernetes management simplified with declarative APIs and tools for provisioning, upgrading, and operating multiple Kubernetes clusters.



#### Harbor

Registry to secure artifacts with policies and role-based access control, scans images for vulnerabilities, and signs images as trusted.

## Additional Kubernetes Projects We Support

Our engineers are invested in the long-term success and sustainability of open-source projects.



#### etcd

Foundation of Kubernetes persistence layer that reliably stores critical data used by the distributed cluster.



#### Containerd

Container lifecycle management that includes image transfer, container execution, and supervision on the host system



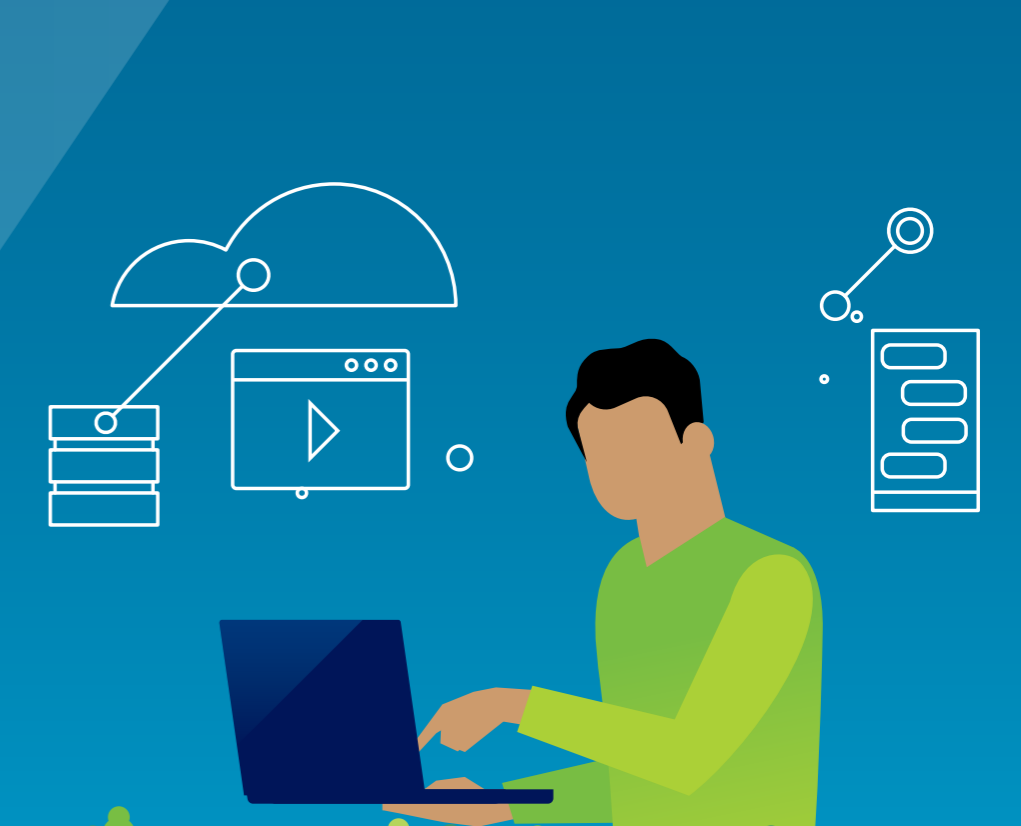
#### Controller runtime

Set of libraries for building controllers



#### Kubernetes Container Storage Interface

Standard interface to expose storage systems to containerized workloads



## Community Engagement

We participate in the Technical Advisory Group (TAG) to help shape the future of cloud-native ecosystem.



#### TAG WORKLOADS FOUNDATION



#### TAG OPERATIONAL RESILIENCE



#### TAG INFRASTRUCTURE



VKS plugs into your existing ecosystem of cloud services and tools



Learn more at [www.vmware.com/vks](http://www.vmware.com/vks)

