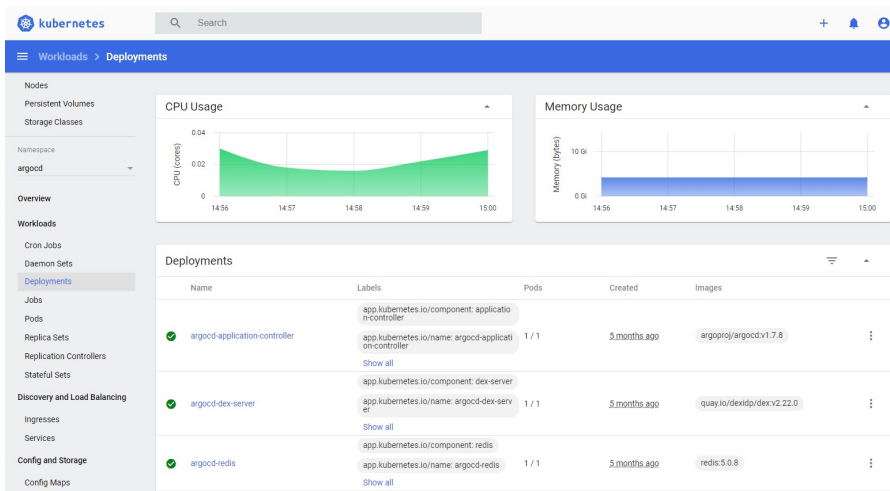


A tour of Kubernetes Dashboards

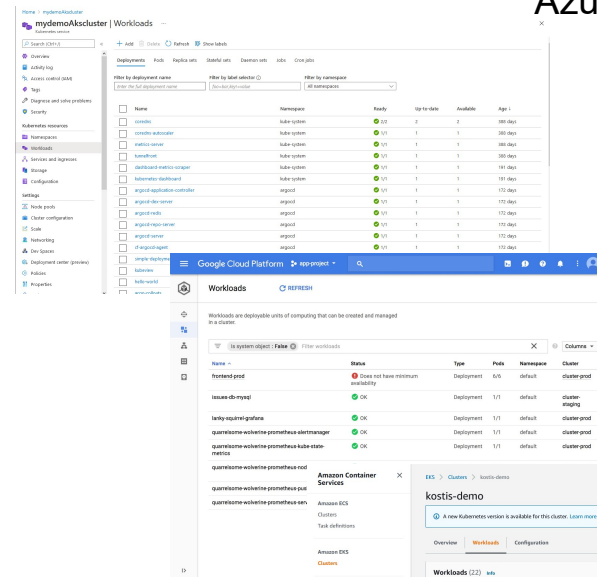
Kostis Kapelonis – Codefresh.io



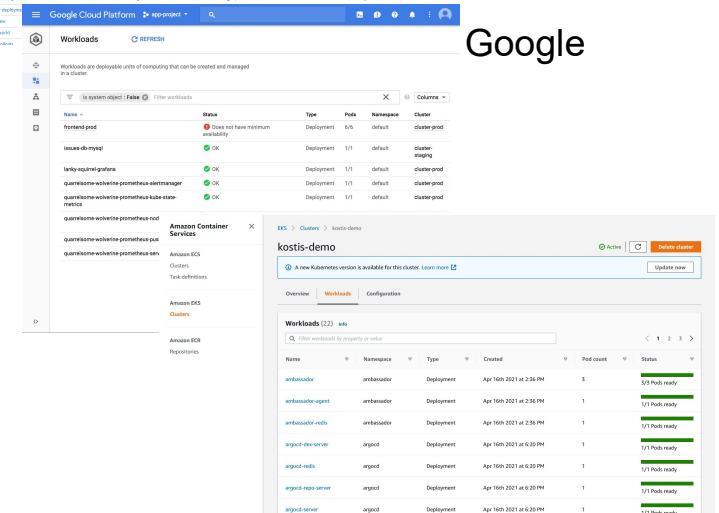
Popular dashboards that you should **NOT** use



Kubernetes dashboard



Azure



Google



Amazon

Popular dashboards that you should **NOT** use

The Octant dashboard provides a comprehensive overview of Kubernetes resources. It features a sidebar with navigation options like Overview, Workloads, Daemon Sets, Deployments, Jobs, Pods, and more. The main content area displays a table for Daemon Sets and another for Deployments, both with columns for Name, Labels, Desired, Current, Ready, Up-To-Date, Age, and Node Selector.

Name	Labels	Desired	Current	Ready	Up-To-Date	Age	Node Selector
csi-cephfsplugin		3	3	3	3	54m	
csi-rbdplugin		3	3	3	3	54m	
rook-ceph-agent		3	3	0	3	54m	
rook-discover		3	3	3	3	57m	

Octant

The k8dash dashboard is a simplified view of Kubernetes resources. It features two large circular gauges at the top: one for Workloads (40/41) and one for Pods (50/51). Below these are two tables listing resources across namespaces.

TYPE	NAME	NAMESPACE	AGE	PODS
Deployment	nginx-deploy	nginx	11m	1/1
Deployment	nginx-application-controller	nginx	5m	1/1
Deployment	nginx-aws-server	nginx	11m	1/1
Deployment	nginx-redis	nginx	61m	1/1
Deployment	nginx-redis-server	nginx	61m	1/1
Deployment	nginx-server	nginx	61m	1/1
Deployment	nginx-nginx-agent	kube-system	11m	1/1

k8dash

The Kontena/Mirantis Lens dashboard provides a detailed view of a specific Pod. It includes a sidebar with navigation options like Cluster, Nodes, Workloads, and more. The main content area shows a list of Pods and a detailed view of the selected Pod, including its CPU and Memory usage over time.

Pod: calico-node-nw4g

Created: 27d 5h 55m ago (2019-08-21T10:50:15Z)

Status: Running

Pod IP: 192.168.81.7

Labels: controller-revision-hash: 5c9ddcc74, k8s-app: calico-node, pod-template-generation: 1

Annotations: scheduler.alpha.kubernetes.io/critical-pod:

Conditions: Initialized, Ready, ContainersReady, PodScheduled

Controlled By: DaemonSet calico-node

Tolerations: 9

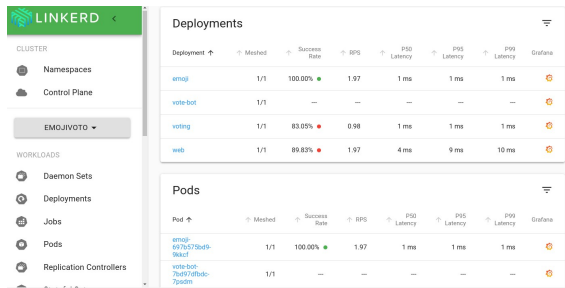
Affinities: 1

Secrets: calico-node-token-8dtkm

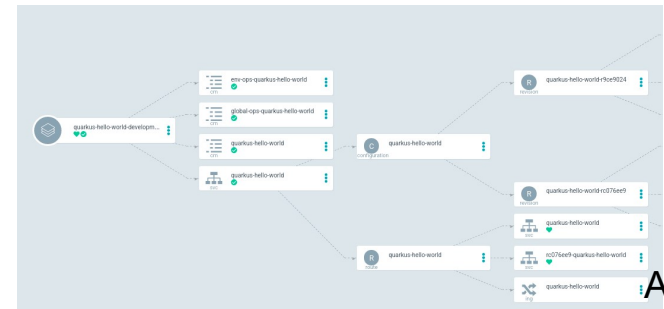
Kontena/Mirantis Lens



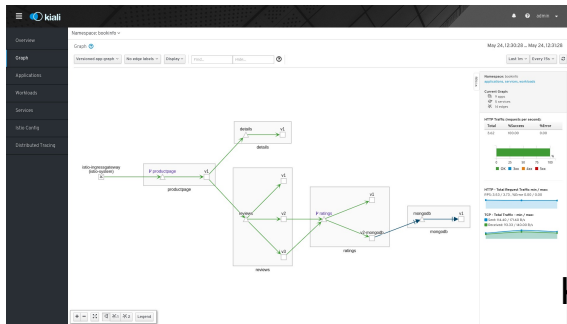
Task specific dashboards



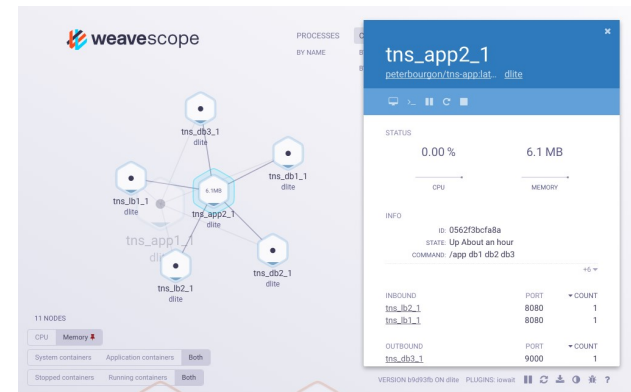
Linkerd



Argo CD



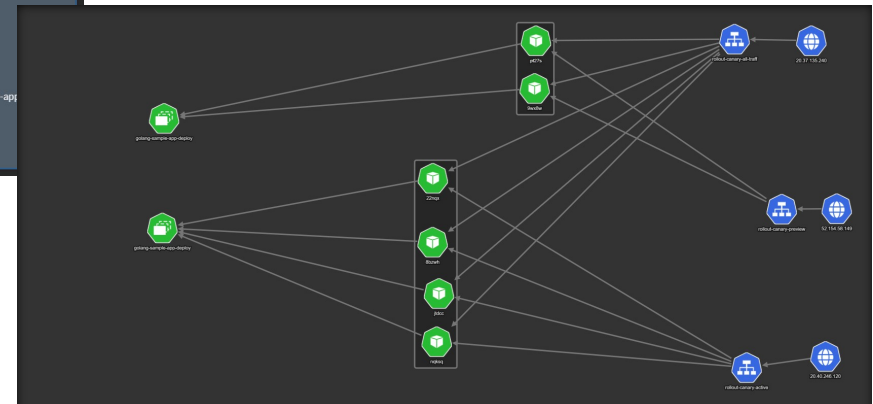
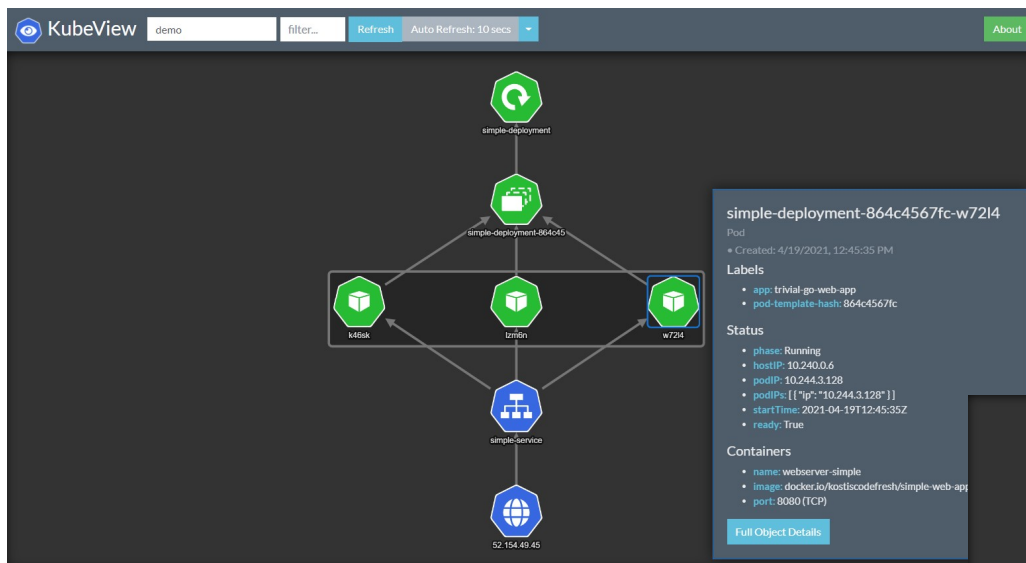
Kiali



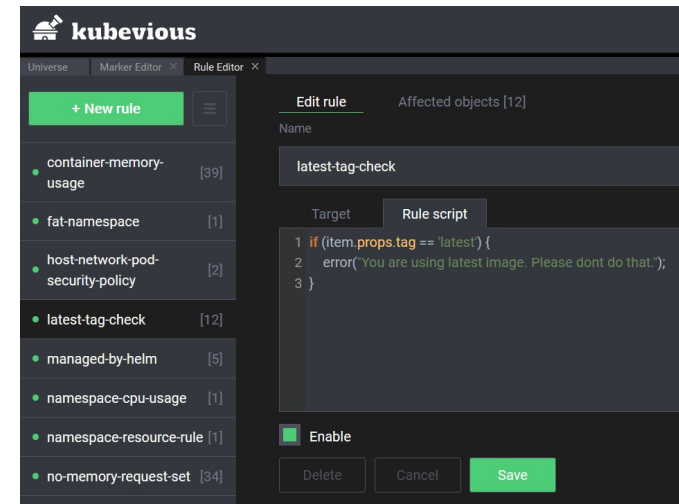
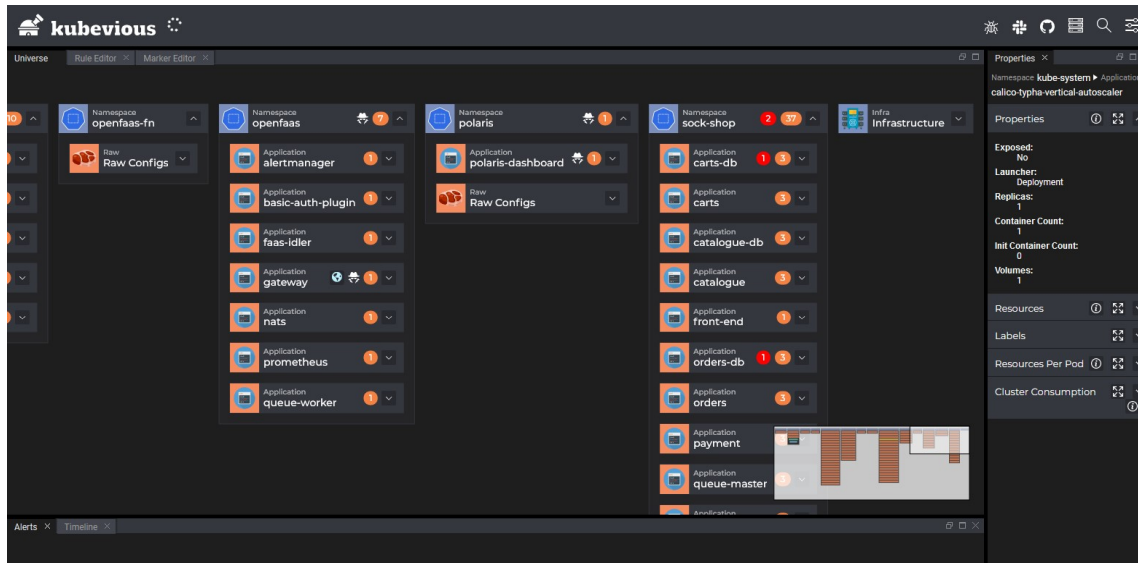
Scope



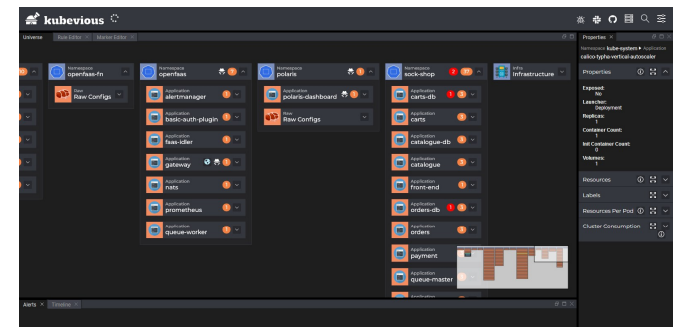
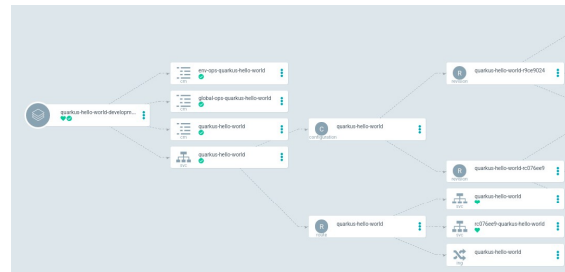
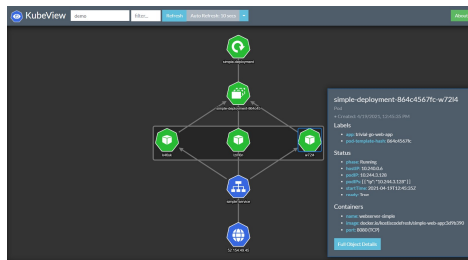
Kubeview – great dashboard for beginners



Kubevious – if you want to become an expert



My personal recommendation



Kubeview - Beginner



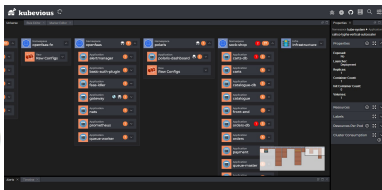
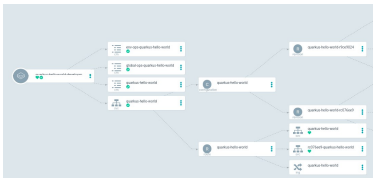
Argo CD - Intermediate



Kubevious - Expert



Dashboards we tested for this talk



- Kubernetes dashboard <https://github.com/kubernetes/dashboard>
- Cloud providers (Google, Azure, AWS) \$
- Octant <https://octant.dev/>
- Lens <https://k8slens.dev/>
- Argo CD <https://argoproj.github.io/argo-cd/> 😊
- Scope <https://github.com/weaveworks/scope>
- Kiali <https://kiali.io/>
- Linkerd <https://linkerd.io/>
- Infra App <https://infra.app/> 🖥️ \$
- Kubenav <https://kubenav.io/> 📱
- Kubernetes <https://www.kubernetes.com/> \$
- Kube Ops View <https://codeberg.org/hjacobs/kube-ops-view>
- Kube Web View <https://codeberg.org/hjacobs/kube-web-view/>
- K8dash <https://github.com/indeedeng/k8dash>
- Kubeview <https://github.com/benc-uk/kubeview> 😊
- Kubevious <https://kubevious.io/> 😊