

kubecost

Monitor & reduce Kubernetes spend

K8s api

billing data



Kubecost Pod

cost model

frontend

Server



Prometheus

StatefulSets

- * workload API object designed for stateful applications.

- * Manages the deployment & scaling of selected Pods.
Identical Container Specs.

Stateful applications :-

examples:-

Databases
Applications that
stores data

Stateless applications :-

- * Don't keep record of state
- * Each request is completely new.
- * Doesn't depend on previous data.

Replicating stateful applications is more difficult & has a couple of other requirements.

StatefulSet Pod identity :-

Sticky identity for each Pod. (persistent identifier)
created from same container spec, but not interchangeable

Why identity is required :-

Because not all pods are the same.