

Cost Management

Cost Management:

- Label Resources:
 - Visualize costs using Prometheus & Grafana
- Find idle and unallocated resources
 - Visualize idle CPU, Memory and Storage
- Workload Rightsizing
 - Vertical Pod AutoScaler (Adjust CPU, Memory size of pods)
 - Horizontal Pod AutoScaler (Add/remove pods)
- Cluster Downsizing
 - Cluster Autoscaler adds and removes nodes to meet the demand
- Using free trials of kubernetes cost tools eg: KubeCost
- Estimate future cost, use a load-testing eg: SpeedScale, K6, JMeter, Gatling
- Utilization Waste (Running but not using or live)
 - Scale to zero if no traffic