

---

# METRICS-SERVER (OR HEAPSTER)

- ▶ Resource Metrics
- ▶ Metrics Server for 1.10+
- ▶ Needed for HPA

```
metrics-server:  
  version: "1.1.0"
```

```
heapster:  
  version: "0.2.10"  
  values:  
    rbac.create: "true"  
    resources.requests.cpu: 100m  
    resources.requests.memory: 300Mi  
    resources.limits.cpu: 100m  
    resources.limits.memory: 300Mi
```

# CLUSTER AUTOSCALER

- ▶ Not Needed for GKE
- ▶ Auto-Scale Instance Groups
- ▶ AutoDiscovery Works with Kops

```
charts:  
  cluster-autoscaler:  
    version: "0.7.0"  
    values:  
      cloudProvider: aws  
      autoDiscovery.clusterName: kube.example.com  
      extraArgs.skip-nodes-with-local-storage\=false: ""  
      extraArgs.skip-nodes-with-system-pods\=false: ""  
      awsRegion: us-east-2  
      cloudProvider: aws  
      rbac:  
        create: true
```