

# Advanced Kubernetes Lab 05

## ConfigMap Redis cache

### Create ConfigMap for Redis Cache

```
kubectl create configmap example-redis-config --from-file=config/redis-config
```

### Verify ConfigMap looks correct

```
kubectl get configmap example-redis-config -o yaml
```

It should look something like

```
apiVersion: v1
data:
  redis-config: |
    maxmemory 2mb
    maxmemory-policy allkeys-lru
kind: ConfigMap
metadata:
  creationTimestamp: 2016-03-30T18:14:41Z
  name: example-redis-config
  namespace: default
  resourceVersion: "24686"
  selfLink: /api/v1/namespaces/default/configmaps/example-redis-config
  uid: 460a2b6e-f6a3-11e5-8ae5-42010af00002
```

### Create Redis POD that uses ConfigMap

```
kubectl create -f manifests/redis-pod.yaml
```

## Confirm Redis POD launched with ConfigMap settings

```
kubectl exec -it redis redis-cli  
CONFIG GET maxmemory
```

Should see something like this

```
1) "maxmemory"  
2) "2097152"  
127.0.0.1:6379> CONFIG GET maxmemory-policy  
1) "maxmemory-policy"  
2) "allkeys-lru"
```

## Cleanup

```
kubectl delete pod redis
```