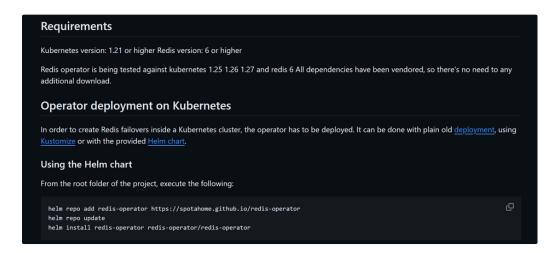
Redis Cluster Patching in GKE

Redis Operator has been deployed by GKE admin krasuski.s@pg.com in MCT team in the namespace **redis-operator-loyalty** as application team does not have the rights.

On the time of deployment the operator version is 1.3.0

redis-operator/README.md at master · spotahome/redis-operator



The operator has been tested against Kubernetes versions 1.25,1.26 and 1.27 with redis 6

• The image being used in the redis-cluster and sentinel is the

```
1 redis:6.2.6-alpine
```

If the Operator gets updated and tested against redis 7.x then we can proceed with patching the operator with helm upgrade and updating the redis-cluster image.

• New redis-cluster image can ben pushed in the Artifact Registry using the below commands.

```
docker pull redis:7.x-alpine

docker tag redis:7.x-alpine-alpine us-east4-docker.pkg.dev/dbce-c360-loyalty-dev-4bcf/oc360-loyalty-dev-artifact-
docker push us-east4-docker.pkg.dev/dbce-c360-loyalty-dev-4bcf/oc360-loyalty-dev-artifact-registry/redis:7.x-alpi
```

· Finally update the image tag in the redis-failover resource.

```
apiVersion: databases.spotahome.com/v1
kind: RedisFailover
metadata:
name: redisfailover
spec:
```

```
6
     sentinel:
7
     replicas: 3
8
     image: us-east4-docker.pkg.dev/dbce-c360-loyalty-dev-4bcf/oc360-loyalty-dev-artifact-registry/redis:7.x-alpi
9
      resources:
10
       requests:
11
         cpu: 100m
          memory: 100Mi
12
13
       limits:
14
          cpu: 400m
15
          memory: 100Mi
16
    redis:
17
     replicas: 3
18
     image: us-east4-docker.pkg.dev/dbce-c360-loyalty-dev-4bcf/oc360-loyalty-dev-artifact-registry/redis:7.x-alpi
19
     resources:
20
       requests:
21
         cpu: 100m
22
          memory: 500Mi
23
       limits:
24
        cpu: 400m
25
          memory: 2000Mi
26
    auth:
27
       secretPath: redis-auth
```