

## Assignment-Voting APP

### Master -1

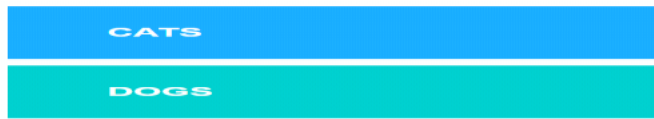
```
[ec2-user@ip-172-31-8-147 ~]$ cd $home
[ec2-user@ip-172-31-8-147 ~]$ git clone https://github.com/ashishrpandey/example-voting-app
Cloning into 'example-voting-app'...
remote: Enumerating objects: 494, done.
remote: Total 494 (delta 0), reused 0 (delta 0), pack-reused 494
Receiving objects: 100% (494/494), 236.18 KiB | 10.27 MiB/s, done.
Resolving deltas: 100% (179/179), done.
[ec2-user@ip-172-31-8-147 ~]$ sudo -i
[root@ip-172-31-8-147 ~]#
[root@ip-172-31-8-147 ~]# cd /root/example-voting-app/k8s-specifications
[root@ip-172-31-8-147 k8s-specifications]#
[root@ip-172-31-8-147 k8s-specifications]# ls -lrt
total 36
-rw-r--r-- 1 root root 146 Jun  8 15:06 db-service.yaml
-rw-r--r-- 1 root root 401 Jun  8 15:06 db-deployment.yaml
-rw-r--r-- 1 root root 292 Jun  8 15:06 worker-deployment.yaml
-rw-r--r-- 1 root root 192 Jun  8 15:06 vote-service.yaml
-rw-r--r-- 1 root root 289 Jun  8 15:06 vote-deployment.yaml
-rw-r--r-- 1 root root 195 Jun  8 15:06 result-service.yaml
-rw-r--r-- 1 root root 299 Jun  8 15:06 result-deployment.yaml
-rw-r--r-- 1 root root 152 Jun  8 15:06 redis-service.yaml
-rw-r--r-- 1 root root 402 Jun  8 15:06 redis-deployment.yaml

[root@ip-172-31-8-147 k8s-specifications]# kubectl apply -f .
deployment.apps/db created
service/db created
deployment.apps/redis created
service/redis created
deployment.apps/result created
service/result created
deployment.apps/vote created
service/vote created
deployment.apps/worker created

[root@ip-172-31-8-147 k8s-specifications]# kubectl get pod
NAME                                READY STATUS RESTARTS AGE
db-b54cd94f4-rb2j7                 1/1   Running 0      8s
redis-868d64d78-8l8df              1/1   Running 0      8s
result-5d57b59f4b-xdv9w           1/1   Running 0      8s
vote-94849dc97-hzrdc              1/1   Running 0      7s
worker-dd46d7584-8hlg6            1/1   Running 0      7s
```

### 1. what happens after vote pod deletion?

Observation: After delete the vote pod , new pod Created and App still working but now its showing new pod in app



Processed by container ID  
vote-94849dc97-jc7mz

### 3 .Now Delete the Worker Pod

```
[root@ip-172-31-8-147 ec2-user]# kubectl delete pod worker-dd46d7584-9w88n
pod "worker-dd46d7584-9w88n" deleted
```

```
[root@ip-172-31-8-147 ec2-user]# kubectl get pod
NAME                READY STATUS  RESTARTS  AGE
db-b54cd94f4-rb2j7   1/1   Running  0         132m
redis-868d64d78-8l8df 1/1   Running  0         132m
result-5d57b59f4b-xdv9w 1/1   Running  0         132m
vote-94849dc97-jc7mz 1/1   Running  0         106m
worker-dd46d7584-mt8k4 1/1   Running  0         5s
```

```
[root@ip-172-31-8-147 ec2-user]# kubectl logs worker-dd46d7584-9w88n
Error from server (NotFound): pods "worker-dd46d7584-9w88n" not found
```

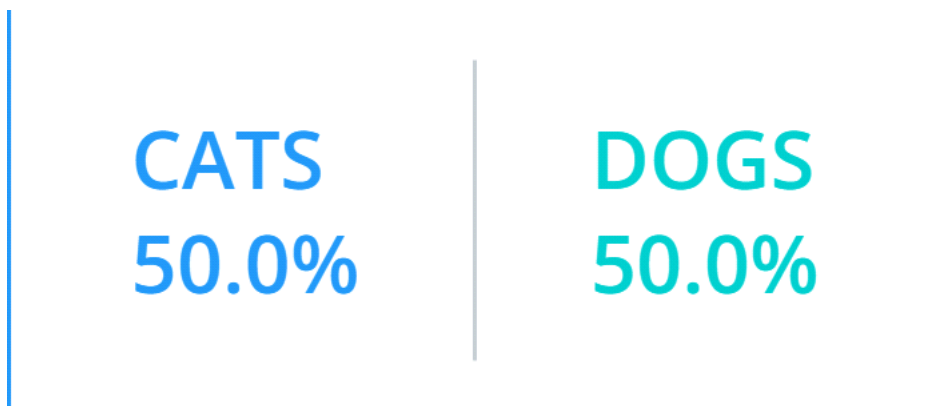
Observation : after deletion worker pod , new pod deploy . But it didn't impact vote and Result app  
As we seen try to seen the log its showing connected

```
[root@ip-172-31-8-147 ec2-user]# kubectl logs worker-dd46d7584-mt8k4
Connected to db
Found redis at 10.101.40.19
Connecting to redis
Processing vote for 'b' by '54389cf1b9cceb7'
Processing vote for 'a' by '54389cf1b9cceb7'
Processing vote for 'a' by '54389cf1b9cceb7'
Processing vote for 'a' by '54389cf1b9cceb7'
Processing vote for 'b' by '54389cf1b9cceb7'
Processing vote for 'a' by '54389cf1b9cceb7'
```

### 3.After Delete the Db pod

```
[root@ip-172-31-8-147 ec2-user]# kubectl delete pod db-b54cd94f4-rb2j7
pod "db-b54cd94f4-rb2j7" deleted
[root@ip-172-31-8-147 ec2-user]# kubectl get pod
NAME                                READY STATUS  RESTARTS  AGE
db-b54cd94f4-sjnj7                 1/1   Running  0         46s
redis-868d64d78-8l8df             1/1   Running  0         138m
result-5d57b59f4b-xdv9w           1/1   Running  1         138m
vote-94849dc97-jc7mz              1/1   Running  0         112m
worker-dd46d7584-mt8k4            1/1   Running  1         6m2s
```

Observation : After delete db pod y, observed both worker and result app get restart and Result app stop working



Result App stop working After Delete the db pod ?

All the storing or retrieving data is no more present due to which result app stop Working. To bring it back I trigger the vote app and data came from vote app db again . After that result app start showing result as per new data.

### Cats vs Dogs!

**CATS** ☒

**DOGS** ☐

(Tip: you can change your vote)

CATS  
100.0%

DOGS  
0.0%