# Scale a ReplicaSet

1. Create a ReplicaSet from rs/frontend-rs.yaml.
2. Scale the ReplicaSet using kubectl scale
3. Check the changes of Pod count
4. Scale the ReplicaSet using kubectl apply
5. Check the changes of Pod count
6. Delete the ReplicaSet

## Solution

1. Create a ReplicaSet from rs/frontend-rs.yaml.

$ kubectl create -f rs/frontend-rs.yaml  
replicaset.apps/frontend created

1. Scale the ReplicaSet using kubectl scale

$ kubectl scale rs frontend --replicas 5  
replicaset.apps/frontend scaled

1. Check the changes of Pod count

$ kubectl get pods --show-labels  
NAME READY STATUS RESTARTS AGE LABELS  
frontend-4v5b9 1/1 Running 0 35s tier=frontend  
frontend-9gvxj 1/1 Running 0 14s tier=frontend  
frontend-c6lnn 1/1 Running 0 35s tier=frontend  
frontend-k7vks 1/1 Running 0 35s tier=frontend  
frontend-vh5zc 1/1 Running 0 14s tier=frontend

1. Scale the ReplicaSet using kubectl apply

Change the specification:

spec:  
 # by default replicas equals 1  
- replicas: 3  
+ replicas: 1

Apply changes:

$ kubectl apply -f rs/frontend-rs.yaml  
replicaset.apps/frontend configured

1. Check the changes of Pod count

$ kubectl get pods --show-labels  
NAME READY STATUS RESTARTS AGE LABELS  
frontend-k7vks 1/1 Running 0 2m21s tier=frontend

1. Delete the ReplicaSet

$ kubectl delete rs frontend  
replicaset.apps "frontend" deleted