USING LABELS

Label and unlabel pods

>To get all pods use command: kubectl get pods

>To get all pods with labels use command: kubectl get pods -show-labels

>To change label use command: kubectl label pod/[NAME] app=[new name] -overwrite

>To delete change to label use command: kubectl pod/[NAME] app-

```
Administrator: Windows PowerShell
                                                                                                                                                                                                                                                                                                                                                                                                                                     X
                                                                                                                                                                                                                                                       Ctl ge
                                                                                                                                                            STATUS
                                                                                                                                                                                                                                                       application_type=ui,author=karthequian,env=production,release-vers
elloworld-all-deployment-d7c6dd56-mgf8w
elloworld-d7c6dd56-6rwxw
                                                                                                                                                                                                                             143m
                                                                                                                                                                                                                                                      app=helloworld,pod-template-hash=d7c6dd56
nelloworld-d7c6dd56-6rwxw 1/1 Running 0 3h51m app=helloworld,pod-template-hash=d7c6dd56
nelloworld-deployment-d7c6dd56-wg4x9 1/1 Running 0 148m app=helloworld,pod-template-hash=d7c6dd56
PS C:\Users\msuban01\Desktop\kube\Exercise\04_01_Adding_labels_to_the_app> kubectl label pod/helloworld app=helloworldapp
nod/helloworld labeled
'S C:\Users\msuban01\Desktop\kube\Exercise\04_01_Adding_labels_to_the_app> <mark>kubectl</mark> get pods --show-labels
NAME READY STATUS RESTARTS AGE LABELS
                                                                                                                                                           Running 0
                                                                                                                                                                                                                             14m
elloworld
                                                                                                                                                                                                                                                      app=helloworldapp,application_type=ui,author=karthequian,env=produc
icinon-release-version=1.0
relloworld-all-deployment-d7c6dd56-mgf8w 1/1 Running 0 143m app-helloworld.pod-template-
relloworld-d7c6dd56-6rwxw 1/1 Running 0 3h52m app-helloworld.pod-template-
relloworld-d8ployment-d7c6dd56-wg4x9 1/1 Running 0 148m app-helloworld.pod-template-
relloworld-deployment-d7c6dd56-wg4x9 1/1 Running 0 148m app-helloworld.pod-template-
relloworld-united 1/2 Running 0 148m app-helloworld.pod-template-
relloworld-united 1/2 Running 0 1/2 R
                                                                                                                                                                                                                                                     app=helloworld,pod-template-hash=d7c6dd56
                                                                                                                                                                                                                            3h52m app=helloworld,pod-template-hash=d7c6dd56
app=helloworld,pod-template-hash=d7c6dd56
OS (:\Users\msuban01\Desktop\kube\Exercise\04_01_Adding_labels_to_the_app> kubectl get pods --show-labels
NAME READY STATUS RESTARTS AGE LABELS
nelloworld 1/1 Running 0 14m application_type=ui,author
                                                                                                                                                                                                                                                      application type=ui,author=karthequian,env=production,release-versi
n=1.0
elloworld-all-deployment-d7c6dd56-mgf8w
                                                                                                                                                                                                                                                      app=helloworld,pod-template-hash=d7c6dd56
elloworld-d7c6dd56-6rwxw
elloworld-deployment-d7c6dd56-wg4x9
                                                                                                                                                                                                                                                     app=helloworld,pod-template-hash=d7c6dd56
app=helloworld,pod-template-hash=d7c6dd56
                                                                                                                                                           Running
                                                                                                                                                                                                                              3h52m
     C:\Users\msuban01\Desktop\kube\Exercise\04_01_Adding_labels_to_the_app>
```

Select Pods by labels

>kubectl get pods -- selector [env=production] -show labels

> kubectl get pods -l [dev-lead=Karthik,env=production] -show labels

> kubectl get pods -l [dev-lead!=Karthik,env=production] -show labels

>kubectl get pods -l 'release-version in (1.0,2.0) -show labels

>kubectl get pods -l 'release-version notin (1.0,2.0) —show labels

```
PS C:\Users\msuban01\Desktop\kube\Exercise\04_02_searching_for_labels\times\text{kubectl} get pods -1 'release-version in (1.0,2.0)' --show-labels

NAME READY STATUS RESTARTS AGE LABELS

cart-dev 1/1 Running 8 (79s ago) 18h application_type=api,dev-lead-carisa,env=development,release-version=1.0,team=ecommerce
cart-prod 1/1 Running 8 (87s ago) 18h application_type=api,dev-lead-carisa,env=reversion=1.0,team=ecommerce
login-dev 1/1 Running 8 (20s ago) 18h application_type=api,dev-lead-carisa,env=staging,release-version=1.0,team=auth
login-staging 1/1 Running 8 (20s ago) 18h application_type=api,dev-lead-jim,env=revelopment,release-version=1.0,team=auth
login-staging 1/1 Running 8 (35s ago) 18h application_type=api,dev-lead-jim,env=revelopment,release-version=2.0,team=purchasing
ordering-dev 1/1 Running 8 (38s ago) 18h application_type=backend,dev-lead-chen,env=staging,release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (39s ago) 18h application_type=backend,dev-lead-chen,env=reduction,release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (36s ago) 18h application_type=api,dev-lead-chen,env=reduction,release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (46s ago) 18h application_type=backend,dev-lead-chen,env=reduction,release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (46s ago) 18h application_type=api,dev-lead-amy,env=reduction,release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (46s ago) 18h application_type=api,dev-lead-amy,env=reduction_tyre=api,dev-lead-sen,env=reduction_release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (46s ago) 18h application_type=api,dev-lead-amy,env=reduction_release-version=2.0,team=purchasing
ordering-staging 1/1 Running 8 (46s ago) 18h application_type=api,dev-lead-amy,env=staging,release-version=2.0,team=ecommerce
application_type=api,dev-lead-amy,env=staging,release-version=2.0,team=ecommerce
application_type=api,dev-lead-amy,env=reduction_type=api,dev-lead-amy,env=staging,release-version=1.0,t
```

Deleting pods by label

>kubectl delete pods – I dev-lead=Karthik

```
PS C:\Users\msuban01\Desktop\kube\Exercise\04_02_searching_for_labels> <mark>kubectl</mark> delete pods -l dev-lead=karthik
pod "homepage-dev" deleted
pod "homepage-prod" deleted
 POU Nomepage-prod deleted
PS C:\Users\msuban01\Desktop\kube\Exercise\04_02_searching_for_labels> kubectl get pods
NAME READY STATUS RESTARTS AGE
cart-dev 1/1 Running 12 (36s ago) 18h
                                                                                            RESTARTS

12 (36s ago)

11 (10m ago)

12 (6s ago)

11 (9m5s ago)

11 (9m57s ago)

11 (9m57s ago)

12 (42s ago)

12 (42s ago)

12 (42s ago)

12 (48s ago)

11 (9m18s ago)
                                     18h
18h
                                                                      Running
                                                               Running
Running
  cart-staging
catalog-dev
catalog-prod
                                                                                                                                           18h
                                                                                                                                           18h
18h
18h
                                                                      Running
  catalog-staging
                                                                   Running
  login-dev
login-prod
                                                                    Running
                                                                      Running
                                                                    Running
Running
Running
                                                                                                                                           18h
18h
18h
  login-staging
 ordering-dev
ordering-prod
                                                                                                                                           18h
18h
18h
   ordering-staging
                                                                      Running
                                                                      Running
  quote-dev
  quote-prod
                                                                      Running
  quote-staging
                                                                      Running
                                                  1/1
1/1
1/1
                                                                                                                                           18h
18h
  social-dev
social-prod
social-staging
                                                                      Running
                                                                      Running
Running
```