PS C:\Users\user2> docker build -t testweb:1.0 D:\KubeTestWeb

[+] Building 17.1s (10/10) FINISHED

=> [internal] load build definition from Dockerfile 1.4s

=> => transferring dockerfile: 328B 0.1s

=> [internal] load .dockerignore 1.7s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/tomcat:8.5.72-jdk8 6.4s

=> [auth] library/tomcat:pull token for registry-1.docker.io 0.0s

=> CACHED [1/4] FROM docker.io/library/tomcat:8.5.72-jdk8@sha256:10df56d8885e0b76686a6898d0240fd3136e6382bef8e9d 0.0s

=> => resolve docker.io/library/tomcat:8.5.72-jdk8@sha256:10df56d8885e0b76686a6898d0240fd3136e6382bef8e9dab61033 0.5s

=> [internal] load build context 0.9s

=> => transferring context: 222B 0.0s

=> [2/4] WORKDIR /usr/local/tomcat/webapps 1.3s

=> [3/4] RUN mkdir ./ROOT 2.5s

=> [4/4] ADD index.jsp ./ROOT 1.6s

=> exporting to image 2.2s

=> => exporting layers 1.5s

=> => writing image sha256:923c2af63383c5f88981d1b5adc9198dfe2804f98b05fffb3f3683158099a368 0.1s

=> => naming to docker.io/library/testweb:1.0 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

PS C:\Users\user2> docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

testweb 1.0 923c2af63383 18 seconds ago 545MB

greenstar16/mytomcat 1.0 e07ba448dffe 23 hours ago 560MB

mytomcat 1.0 e07ba448dffe 23 hours ago 560MB

hubproxy.docker.internal:5000/docker/desktop-kubernetes kubernetes-v1.24.0-cni-v0.8.5-critools-v1.17.0-cri-dockerd-v0.2.0-1-debian c3114e97d326 3 weeks ago 348MB

k8s.gcr.io/kube-apiserver v1.24.0 529072250ccc 3 weeks ago 130MB

k8s.gcr.io/kube-proxy v1.24.0 77b49675beae 3 weeks ago 110MB

k8s.gcr.io/kube-scheduler v1.24.0 e3ed7dee73e9 3 weeks ago 51MB

k8s.gcr.io/kube-controller-manager v1.24.0 88784fb4ac2f 3 weeks ago 119MB

k8s.gcr.io/etcd 3.5.3-0 aebe758cef4c 6 weeks ago 299MB

k8s.gcr.io/pause 3.7 221177c6082a 2 months ago 711kB

k8s.gcr.io/coredns/coredns v1.8.6 a4ca41631cc7 7 months ago 46.8MB

docker/desktop-vpnkit-controller v2.0 8c2c38aa676e 12 months ago 21MB

docker/desktop-storage-provisioner v2.0 99f89471f470 13 months ago 41.9MB

oracleinanutshell/oracle-xe-11g latest ad13c30ec346 3 years ago 2.13GB

PS C:\Users\user2> docker run -d --name tweb1 -p 30000:8080 testweb:1.0

53a6afff68dd2afd88e9da8b32a7ab5201da9b75dc10f3e892c68d4aca341ef7

PS C:\Users\user2> docker ps =a

"docker ps" accepts no arguments.

See 'docker ps --help'.

Usage: docker ps [OPTIONS]

List containers

PS C:\Users\user2> docker ps -\a

unknown shorthand flag: '\\' in -\a

See 'docker ps --help'.

PS C:\Users\user2> docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

53a6afff68dd testweb:1.0 "catalina.sh run" 16 seconds ago Up 13 seconds 0.0.0.0:30000->8080/tcp tweb1

PS C:\Users\user2> kubectl run kuweb1 --image=testweb:1.0 --port=8080

pod/kuweb1 created

PS C:\Users\user2> kubectl get pods

NAME READY STATUS RESTARTS AGE

kuweb1 1/1 Running 0 26s

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuweb1 1/1 Running 0 41s 10.1.0.10 docker-desktop <none> <none>

PS C:\Users\user2> kubectl describe pods

Name: kuweb1

Namespace: default

Priority: 0

Node: docker-desktop/192.168.65.4

Start Time: Thu, 26 May 2022 15:55:25 +0900

Labels: run=kuweb1

Annotations: <none>

Status: Running

IP: 10.1.0.10

IPs:

IP: 10.1.0.10

Containers:

kuweb1:

Container ID: docker://71dd35018f1c28470b093532ea5aa8e37d1b9e90b4bf63bfdcce2c1c31eb1333

Image: testweb:1.0

Image ID: docker://sha256:923c2af63383c5f88981d1b5adc9198dfe2804f98b05fffb3f3683158099a368

Port: 8080/TCP

Host Port: 0/TCP

State: Running

Started: Thu, 26 May 2022 15:55:29 +0900

Ready: True

Restart Count: 0

Environment: <none>

Mounts:

/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-qkx4j (ro)

Conditions:

Type Status

Initialized True

Ready True

ContainersReady True

PodScheduled True

Volumes:

kube-api-access-qkx4j:

Type: Projected (a volume that contains injected data from multiple sources)

TokenExpirationSeconds: 3607

ConfigMapName: kube-root-ca.crt

ConfigMapOptional: <nil>

DownwardAPI: true

QoS Class: BestEffort

Node-Selectors: <none>

Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s

node.kubernetes.io/unreachable:NoExecute op=Exists for 300s

Events:

Type Reason Age From Message

---- ------ ---- ---- -------

Normal Scheduled 2m8s default-scheduler Successfully assigned default/kuweb1 to docker-desktop

Normal Pulled 2m5s kubelet Container image "testweb:1.0" already present on machine

Normal Created 2m5s kubelet Created container kuweb1

Normal Started 2m4s kubelet Started container kuweb1

PS C:\Users\user2> kubectl exec kuweb1 -- pwd

/usr/local/tomcat/webapps

PS C:\Users\user2> kubectl exec kuweb1 -it --bash

error: unknown flag: --bash

See 'kubectl exec --help' for usage.

PS C:\Users\user2> kubectl exec kuweb1 -it -- bash

root@kuweb1:/usr/local/tomcat/webapps# pwd

/usr/local/tomcat/webapps

root@kuweb1:/usr/local/tomcat/webapps# exit

exit

PS C:\Users\user2> kubectl run -it kuserver --image=centos:7

If you don't see a command prompt, try pressing enter.

[root@kuserver /]# yum -y install curl

Loaded plugins: fastestmirror, ovl

Determining fastest mirrors

\* base: ftp.iij.ad.jp

\* extras: ftp.iij.ad.jp

\* updates: ftp.iij.ad.jp

base | 3.6 kB 00:00:00

extras | 2.9 kB 00:00:00

updates | 2.9 kB 00:00:00

(1/4): base/7/x86\_64/group\_gz | 153 kB 00:00:00

(2/4): extras/7/x86\_64/primary\_db | 247 kB 00:00:00

(3/4): base/7/x86\_64/primary\_db | 6.1 MB 00:00:03

(4/4): updates/7/x86\_64/primary\_db | 16 MB 00:00:08

Resolving Dependencies

--> Running transaction check

---> Package curl.x86\_64 0:7.29.0-59.el7 will be updated

---> Package curl.x86\_64 0:7.29.0-59.el7\_9.1 will be an update

--> Processing Dependency: libcurl = 7.29.0-59.el7\_9.1 for package: curl-7.29.0-59.el7\_9.1.x86\_64

--> Running transaction check

---> Package libcurl.x86\_64 0:7.29.0-59.el7 will be updated

---> Package libcurl.x86\_64 0:7.29.0-59.el7\_9.1 will be an update

--> Finished Dependency Resolution

Dependencies Resolved

======================================================================================================================== Package Arch Version Repository Size

========================================================================================================================Updating:

curl x86\_64 7.29.0-59.el7\_9.1 updates 271 k

Updating for dependencies:

libcurl x86\_64 7.29.0-59.el7\_9.1 updates 223 k

Transaction Summary

========================================================================================================================Upgrade 1 Package (+1 Dependent package)

Total download size: 494 k

Downloading packages:

Delta RPMs disabled because /usr/bin/applydeltarpm not installed.

warning: /var/cache/yum/x86\_64/7/updates/packages/curl-7.29.0-59.el7\_9.1.x86\_64.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY

Public key for curl-7.29.0-59.el7\_9.1.x86\_64.rpm is not installed

(1/2): curl-7.29.0-59.el7\_9.1.x86\_64.rpm | 271 kB 00:00:00

(2/2): libcurl-7.29.0-59.el7\_9.1.x86\_64.rpm | 223 kB 00:00:00

------------------------------------------------------------------------------------------------------------------------Total 663 kB/s | 494 kB 00:00:00

Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Importing GPG key 0xF4A80EB5:

Userid : "CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>"

Fingerprint: 6341 ab27 53d7 8a78 a7c2 7bb1 24c6 a8a7 f4a8 0eb5

Package : centos-release-7-9.2009.0.el7.centos.x86\_64 (@CentOS)

From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Updating : libcurl-7.29.0-59.el7\_9.1.x86\_64 1/4

Updating : curl-7.29.0-59.el7\_9.1.x86\_64 2/4

Cleanup : curl-7.29.0-59.el7.x86\_64 3/4

Cleanup : libcurl-7.29.0-59.el7.x86\_64 4/4

Verifying : curl-7.29.0-59.el7\_9.1.x86\_64 1/4

Verifying : libcurl-7.29.0-59.el7\_9.1.x86\_64 2/4

Verifying : libcurl-7.29.0-59.el7.x86\_64 3/4

Verifying : curl-7.29.0-59.el7.x86\_64 4/4

Updated:

curl.x86\_64 0:7.29.0-59.el7\_9.1

Dependency Updated:

libcurl.x86\_64 0:7.29.0-59.el7\_9.1

Complete!

[root@kuserver /]# curl 10.1.0.10:8080

<h1>TEST WEB v1</h1>

Server IP Address : 10.1.0.10

[root@kuserver /]# exit

exit

Session ended, resume using 'kubectl attach kuserver -c kuserver -i -t' command when the pod is running

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (15s ago) 17m 10.1.0.11 docker-desktop <none> <none>

kuweb1 1/1 Running 0 38m 10.1.0.10 docker-desktop <none> <none>

PS C:\Users\user2> kubectl exec kuweb1 -it -- bash

root@kuweb1:/usr/local/tomcat/webapps# exec attach failed: error on attach stdin: read escape sequence

command terminated with exit code 126

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (63s ago) 18m 10.1.0.11 docker-desktop <none> <none>

kuweb1 1/1 Running 0 39m 10.1.0.10 docker-desktop <none> <none>

PS C:\Users\user2> kubectl apply -f c:\KubeTestWeb\kuweb-pod.yaml

error: the path "c:\\KubeTestWeb\\kuweb-pod.yaml" does not exist

PS C:\Users\user2> kubectl apply -f D:\KubeTestWeb\kuweb-pod.yaml

pod/kuweb-pod created

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (5m24s ago) 23m 10.1.0.11 docker-desktop <none> <none>

kuweb-pod 1/1 Running 0 8s 10.1.0.12 docker-desktop <none> <none>

kuweb1 1/1 Running 0 43m 10.1.0.10 docker-desktop <none> <none>

PS C:\Users\user2> kubectl delete pods kuweb1 kuweb-pod

pod "kuweb1" deleted

pod "kuweb-pod" deleted

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (7m5s ago) 24m 10.1.0.11 docker-desktop <none> <none>

PS C:\Users\user2> kubectl get pods -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (7m16s ago) 24m 10.1.0.11 docker-desktop <none> <none>

PS C:\Users\user2> kubectl apply -f d:\KubeTestWeb\kuweb-replicaset.yaml

replicaset.apps/kuweb-replicaset created

PS C:\Users\user2> kubectl get replicasets

NAME DESIRED CURRENT READY AGE

kuweb-replicaset 3 3 3 10s

PS C:\Users\user2> kubectl get rs -o wide

NAME DESIRED CURRENT READY AGE CONTAINERS IMAGES SELECTOR

kuweb-replicaset 3 3 3 20s kuweb testweb:1.0 app=kuweb-label

PS C:\Users\user2> kubectl describe rs kuweb-replicaset

Name: kuweb-replicaset

Namespace: default

Selector: app=kuweb-label

Labels: <none>

Annotations: <none>

Replicas: 3 current / 3 desired

Pods Status: 3 Running / 0 Waiting / 0 Succeeded / 0 Failed

Pod Template:

Labels: app=kuweb-label

Containers:

kuweb:

Image: testweb:1.0

Port: 8080/TCP

Host Port: 0/TCP

Environment: <none>

Mounts: <none>

Volumes: <none>

Events:

Type Reason Age From Message

---- ------ ---- ---- -------

Normal SuccessfulCreate 28s replicaset-controller Created pod: kuweb-replicaset-cn257

Normal SuccessfulCreate 28s replicaset-controller Created pod: kuweb-replicaset-96jm6

Normal SuccessfulCreate 28s replicaset-controller Created pod: kuweb-replicaset-n7qxl

PS C:\Users\user2> kubectl get po

NAME READY STATUS RESTARTS AGE

kuserver 1/1 Running 1 (23m ago) 41m

kuweb-replicaset-96jm6 1/1 Running 0 38s

kuweb-replicaset-cn257 1/1 Running 0 38s

kuweb-replicaset-n7qxl 1/1 Running 0 38s

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (23m ago) 41m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-96jm6 1/1 Running 0 53s 10.1.0.14 docker-desktop <none> <none>

kuweb-replicaset-cn257 1/1 Running 0 53s 10.1.0.13 docker-desktop <none> <none>

kuweb-replicaset-n7qxl 1/1 Running 0 53s 10.1.0.15 docker-desktop <none> <none>

PS C:\Users\user2> kubectl exec -it kuserver -- bash

[root@kuserver /]# curl 10.1.0.11:8080

curl: (7) Failed connect to 10.1.0.11:8080; Connection refused

[root@kuserver /]# curl 10.1.0.14:8080

<h1>TEST WEB v1</h1>

Server IP Address : 10.1.0.14

[root@kuserver /]# exec attach failed: error on attach stdin: read escape sequence

command terminated with exit code 126

PS C:\Users\user2> kubectl apply -f d:\KubeTestWeb\kuweb-replicaset.yaml

replicaset.apps/kuweb-replicaset configured

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (33m ago) 51m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-96jm6 1/1 Running 0 11m 10.1.0.14 docker-desktop <none> <none>

kuweb-replicaset-cn257 1/1 Running 0 11m 10.1.0.13 docker-desktop <none> <none>

kuweb-replicaset-kwvqv 1/1 Running 0 50s 10.1.0.17 docker-desktop <none> <none>

kuweb-replicaset-n7qxl 1/1 Running 0 11m 10.1.0.15 docker-desktop <none> <none>

kuweb-replicaset-sb4kw 1/1 Running 0 50s 10.1.0.16 docker-desktop <none> <none>

PS C:\Users\user2> kubectl get rs -o wide

NAME DESIRED CURRENT READY AGE CONTAINERS IMAGES SELECTOR

kuweb-replicaset 5 5 5 11m kuweb testweb:1.0 app=kuweb-label

PS C:\Users\user2> kubectl delete po kuweb-replicaset-n7qxl

pod "kuweb-replicaset-n7qxl" deleted

PS C:\Users\user2> kubectl get rs -o wide

NAME DESIRED CURRENT READY AGE CONTAINERS IMAGES SELECTOR

kuweb-replicaset 5 5 5 15m kuweb testweb:1.0 app=kuweb-label

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (38m ago) 55m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-96jm6 1/1 Running 0 15m 10.1.0.14 docker-desktop <none> <none>

kuweb-replicaset-cn257 1/1 Running 0 15m 10.1.0.13 docker-desktop <none> <none>

kuweb-replicaset-kwvqv 1/1 Running 0 5m8s 10.1.0.17 docker-desktop <none> <none>

kuweb-replicaset-sb4kw 1/1 Running 0 5m8s 10.1.0.16 docker-desktop <none> <none>

kuweb-replicaset-tm58s 1/1 Running 0 68s 10.1.0.18 docker-desktop <none> <none>

PS C:\Users\user2> kubectl scale rs kuweb-replicaset --replicas=3

replicaset.apps/kuweb-replicaset scaled

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (44m ago) 61m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-96jm6 1/1 Running 0 21m 10.1.0.14 docker-desktop <none> <none>

kuweb-replicaset-cn257 1/1 Running 0 21m 10.1.0.13 docker-desktop <none> <none>

kuweb-replicaset-sb4kw 1/1 Running 0 11m 10.1.0.16 docker-desktop <none> <none>

PS C:\Users\user2> kubectl delete rs --all

replicaset.apps "kuweb-replicaset" deleted

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (47m ago) 65m 10.1.0.11 docker-desktop <none> <none>

PS C:\Users\user2> kubectl get rs -o wide

No resources found in default namespace.

PS C:\Users\user2> kubectl apply -f d:\KubeTestWeb\kuweb-replicaset.yaml

replicaset.apps/kuweb-replicaset created

PS C:\Users\user2> kubectl delete rs kuweb-replicaset --cascade=orphan

replicaset.apps "kuweb-replicaset" deleted

PS C:\Users\user2> kubectl get rs -o wide

No resources found in default namespace.

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (51m ago) 69m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-75g48 1/1 Running 0 65s 10.1.0.21 docker-desktop <none> <none>

kuweb-replicaset-jjvxs 1/1 Running 0 65s 10.1.0.22 docker-desktop <none> <none>

kuweb-replicaset-mfs5n 1/1 Running 0 65s 10.1.0.19 docker-desktop <none> <none>

kuweb-replicaset-ng9gm 1/1 Running 0 65s 10.1.0.20 docker-desktop <none> <none>

kuweb-replicaset-scdnd 1/1 Running 0 65s 10.1.0.23 docker-desktop <none> <none>

PS C:\Users\user2> kubectl apply -f d:\KubeTestWeb\kuweb-replicaset.yaml

replicaset.apps/kuweb-replicaset created

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (52m ago) 70m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-75g48 1/1 Running 0 2m11s 10.1.0.21 docker-desktop <none> <none>

kuweb-replicaset-jjvxs 1/1 Running 0 2m11s 10.1.0.22 docker-desktop <none> <none>

kuweb-replicaset-mfs5n 1/1 Running 0 2m11s 10.1.0.19 docker-desktop <none> <none>

kuweb-replicaset-ng9gm 1/1 Running 0 2m11s 10.1.0.20 docker-desktop <none> <none>

kuweb-replicaset-scdnd 1/1 Running 0 2m11s 10.1.0.23 docker-desktop <none> <none>

PS C:\Users\user2> kubectl get rs -o wide

NAME DESIRED CURRENT READY AGE CONTAINERS IMAGES SELECTOR

kuweb-replicaset 5 5 5 7m55s kuweb testweb:1.0 app=kuweb-label

PS C:\Users\user2> kubectl apply -f D:\KubeTestWeb\kuweb-deployment.yaml

deployment.apps/kuweb-deployment created

PS C:\Users\user2> kubectl exec -it kuserver - bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

OCI runtime exec failed: exec failed: container\_linux.go:380: starting container process caused: exec: "-": executable file not found in $PATH: unknown

command terminated with exit code 126

PS C:\Users\user2> kubectl exec -it kuserver -- bash

[root@kuserver /]# curl 10.1.0.23

curl: (7) Failed connect to 10.1.0.23:80; Connection refused

[root@kuserver /]# curl 10.1.0.23:8080

<h1>TEST WEB v1</h1>

Server IP Address : 10.1.0.23

[root@kuserver /]# exec attach failed: error on attach stdin: read escape sequence

command terminated with exit code 126

PS C:\Users\user2> docker build -t testweb:2.0 D:\KubeTestWeb

[+] Building 7.7s (10/10) FINISHED

=> [internal] load build definition from Dockerfile 0.6s

=> => transferring dockerfile: 32B 0.0s

=> [internal] load .dockerignore 0.8s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/tomcat:8.5.72-jdk8 3.2s

=> [auth] library/tomcat:pull token for registry-1.docker.io 0.0s

=> [1/4] FROM docker.io/library/tomcat:8.5.72-jdk8@sha256:10df56d8885e0b76686a6898d0240fd3136e6382bef8e9dab6103338fb77577b 0.3s

=> => resolve docker.io/library/tomcat:8.5.72-jdk8@sha256:10df56d8885e0b76686a6898d0240fd3136e6382bef8e9dab6103338fb77577b 0.3s

=> [internal] load build context 0.5s

=> => transferring context: 222B 0.0s

=> CACHED [2/4] WORKDIR /usr/local/tomcat/webapps 0.0s

=> CACHED [3/4] RUN mkdir ./ROOT 0.0s

=> [4/4] ADD index.jsp ./ROOT 0.9s

=> exporting to image 1.7s

=> => exporting layers 0.8s

=> => writing image sha256:db57a6d184b2b72e4e6810831017245f95f8a6e71b747cc7adac28ccc9e2d42b 0.1s

=> => naming to docker.io/library/testweb:2.0 0.1s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

PS C:\Users\user2> kubectl set image deploy kuweb-deployment kuweb=testweb:2.0 --record=true

Flag --record has been deprecated, --record will be removed in the future

deployment.apps/kuweb-deployment image updated

PS C:\Users\user2> kubectl get deploy -o wide

NAME READY UP-TO-DATE AVAILABLE AGE CONTAINERS IMAGES SELECTOR

kuweb-deployment 3/3 3 3 4m8s kuweb testweb:2.0 app=kuweb-label

PS C:\Users\user2> kubectl get ps -o wide

error: the server doesn't have a resource type "ps"

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (82m ago) 100m 10.1.0.11 docker-desktop <none> <none>

kuweb-deployment-5dcd4b6998-974dx 1/1 Running 0 83s 10.1.0.27 docker-desktop <none> <none>

kuweb-deployment-5dcd4b6998-bvkmh 1/1 Running 0 70s 10.1.0.29 docker-desktop <none> <none>

kuweb-deployment-5dcd4b6998-h7bcp 1/1 Running 0 78s 10.1.0.28 docker-desktop <none> <none>

kuweb-replicaset-75g48 1/1 Running 0 32m 10.1.0.21 docker-desktop <none> <none>

kuweb-replicaset-jjvxs 1/1 Running 0 32m 10.1.0.22 docker-desktop <none> <none>

kuweb-replicaset-mfs5n 1/1 Running 0 32m 10.1.0.19 docker-desktop <none> <none>

kuweb-replicaset-ng9gm 1/1 Running 0 32m 10.1.0.20 docker-desktop <none> <none>

kuweb-replicaset-scdnd 1/1 Running 0 32m 10.1.0.23 docker-desktop <none> <none>

PS C:\Users\user2> kubectl exec -it kuserver - bash

kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.

OCI runtime exec failed: exec failed: container\_linux.go:380: starting container process caused: exec: "-": executable file not found in $PATH: unknown

command terminated with exit code 126

PS C:\Users\user2> kubectl exec -it kuserver -- bash

[root@kuserver /]# curl 10.1.0.29:8080

<h1>TEST WEB v2</h1>

Server IP Address : 10.1.0.29

[root@kuserver /]# exec attach failed: error on attach stdin: read escape sequence

command terminated with exit code 126

PS C:\Users\user2> kubectl rollout history deploy kuweb-deployment

deployment.apps/kuweb-deployment

REVISION CHANGE-CAUSE

1 <none>

2 kubectl.exe set image deploy kuweb-deployment kuweb=testweb:2.0 --record=true

PS C:\Users\user2> kubectl rollout undo deploy kuweb-deployment

deployment.apps/kuweb-deployment rolled back

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (85m ago) 103m 10.1.0.11 docker-desktop <none> <none>

kuweb-deployment-58bb58fdf5-4mf6f 1/1 Running 0 30s 10.1.0.30 docker-desktop <none> <none>

kuweb-deployment-58bb58fdf5-d5wzm 1/1 Running 0 18s 10.1.0.32 docker-desktop <none> <none>

kuweb-deployment-58bb58fdf5-js75v 1/1 Running 0 25s 10.1.0.31 docker-desktop <none> <none>

kuweb-replicaset-75g48 1/1 Running 0 35m 10.1.0.21 docker-desktop <none> <none>

kuweb-replicaset-jjvxs 1/1 Running 0 35m 10.1.0.22 docker-desktop <none> <none>

kuweb-replicaset-mfs5n 1/1 Running 0 35m 10.1.0.19 docker-desktop <none> <none>

kuweb-replicaset-ng9gm 1/1 Running 0 35m 10.1.0.20 docker-desktop <none> <none>

kuweb-replicaset-scdnd 1/1 Running 0 35m 10.1.0.23 docker-desktop <none> <none>

PS C:\Users\user2> kubectl delete deploy kuweb-deployment

deployment.apps "kuweb-deployment" deleted

PS C:\Users\user2> kubectl get po -o wide

NAME READY STATUS RESTARTS AGE IP NODE NOMINATED NODE READINESS GATES

kuserver 1/1 Running 1 (86m ago) 104m 10.1.0.11 docker-desktop <none> <none>

kuweb-replicaset-75g48 1/1 Running 0 36m 10.1.0.21 docker-desktop <none> <none>

kuweb-replicaset-jjvxs 1/1 Running 0 36m 10.1.0.22 docker-desktop <none> <none>

kuweb-replicaset-mfs5n 1/1 Running 0 36m 10.1.0.19 docker-desktop <none> <none>

kuweb-replicaset-ng9gm 1/1 Running 0 36m 10.1.0.20 docker-desktop <none> <none>

kuweb-replicaset-scdnd 1/1 Running 0 36m 10.1.0.23 docker-desktop <none> <none>