1.

Test #1:

Before delivery…I already have 2 replicas in staging…shown below…

Text

Description automatically generated

Now I will update to 3 and push to my feature branch…

Text

Description automatically generated

I made a pull request and verified it in Github…

Graphical user interface, text, application, email

Description automatically generated

…ok I’m on a Windows 11 temp machine, had to get sidecar running…and now I’m getting PR triggers…

Text

Description automatically generated

**Jenkins Pipeline:**

podTemplate(yaml: '''

apiVersion: v1

kind: Pod

spec:

containers:

- name: gradle

image: gradle:8-jdk8

command:

- sleep

args:

- 99d

volumeMounts:

- name: shared-storage

mountPath: /mnt

- name: centos

image: centos

command:

- sleep

args:

- 99d

restartPolicy: Never

volumes:

- name: shared-storage

persistentVolumeClaim:

claimName: jenkins-pv-claim

- name: kaniko-secret

secret:

secretName: dockercred

items:

- key: .dockerconfigjson

path: config.json

''') {

node(POD\_LABEL) {

stage('k8s') {

git branch: env.BRANCH\_NAME, url: 'https://github.com/bsieraduml/week9.git'

container('centos') {

stage('rolling update calculator') {

sh '''

curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"

chmod +x ./kubectl

./kubectl apply -f calculator.yaml -n staging

./kubectl apply -f hazelcast.yaml -n staging

'''

}

}

}

} // NODE pod label

} //root

**Console Log Output:**

Pull request #3 closed

00:06:08 Connecting to [https://api.github.com](https://api.github.com/) using bsieraduml/\*\*\*\*\*\*

Obtained Jenkinsfile from 628466c5094dd2288ae8e9cb324de68ee5a7c828

[Pipeline] Start of Pipeline

[Pipeline] podTemplate

[Pipeline] {

[Pipeline] node

Created Pod: kubernetes devops-tools/week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz

Still waiting to schedule task

‘[week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz](http://localhost:32000/computer/week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz/)’ is offline

Agent [week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz](http://localhost:32000/computer/week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz) is provisioned from template week9\_exercise1\_feaEx1\_3-m8q8p-9j005

---

apiVersion: "v1"

kind: "Pod"

metadata:

annotations:

buildUrl: "<http://jenkins-service.devops-tools.svc.cluster.local:8080/job/week9_exercise1/job/feaEx1/3/>"

runUrl: "job/week9\_exercise1/job/feaEx1/3/"

labels:

jenkins: "agent"

jenkins/label-digest: "8ff714f3394fd0a7bdde17d378eff96e1f897ada"

jenkins/label: "week9\_exercise1\_feaEx1\_3-m8q8p"

name: "week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz"

namespace: "devops-tools"

spec:

containers:

- args:

- "99d"

command:

- "sleep"

image: "gradle:8-jdk8"

name: "gradle"

volumeMounts:

- mountPath: "/mnt"

name: "shared-storage"

- mountPath: "/home/jenkins/agent"

name: "workspace-volume"

readOnly: false

- args:

- "99d"

command:

- "sleep"

image: "centos"

name: "centos"

volumeMounts:

- mountPath: "/home/jenkins/agent"

name: "workspace-volume"

readOnly: false

- env:

- name: "JENKINS\_SECRET"

value: "\*\*\*\*\*\*\*\*"

- name: "JENKINS\_AGENT\_NAME"

value: "week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz"

- name: "JENKINS\_NAME"

value: "week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz"

- name: "JENKINS\_AGENT\_WORKDIR"

value: "/home/jenkins/agent"

- name: "JENKINS\_URL"

value: "<http://jenkins-service.devops-tools.svc.cluster.local:8080/>"

image: "jenkins/inbound-agent:3107.v665000b\_51092-4"

name: "jnlp"

resources:

requests:

memory: "256Mi"

cpu: "100m"

volumeMounts:

- mountPath: "/home/jenkins/agent"

name: "workspace-volume"

readOnly: false

nodeSelector:

kubernetes.io/os: "linux"

restartPolicy: "Never"

volumes:

- name: "kaniko-secret"

secret:

items:

- key: ".dockerconfigjson"

path: "config.json"

secretName: "dockercred"

- emptyDir:

medium: ""

name: "workspace-volume"

- name: "shared-storage"

persistentVolumeClaim:

claimName: "jenkins-pv-claim"

Running on [week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz](http://localhost:32000/computer/week9-exercise1-feaex1-3-m8q8p-9j005-z6qqz/) in /home/jenkins/agent/workspace/week9\_exercise1\_feaEx1

[Pipeline] {

[Pipeline] stage

[Pipeline] { (k8s)

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Cloning the remote Git repository

Cloning repository <https://github.com/bsieraduml/week9.git>

> git init /home/jenkins/agent/workspace/week9\_exercise1\_feaEx1 # timeout=10

Fetching upstream changes from <https://github.com/bsieraduml/week9.git>

> git --version # timeout=10

> git --version # 'git version 2.30.2'

> git fetch --tags --force --progress -- <https://github.com/bsieraduml/week9.git> +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git config remote.origin.url <https://github.com/bsieraduml/week9.git> # timeout=10

> git config --add remote.origin.fetch +refs/heads/\*:refs/remotes/origin/\* # timeout=10

Avoid second fetch

Checking out Revision 628466c5094dd2288ae8e9cb324de68ee5a7c828 (refs/remotes/origin/feaEx1)

> git rev-parse refs/remotes/origin/feaEx1^{commit} # timeout=10

> git config core.sparsecheckout # timeout=10

> git checkout -f 628466c5094dd2288ae8e9cb324de68ee5a7c828 # timeout=10

> git branch -a -v --no-abbrev # timeout=10

> git checkout -b feaEx1 628466c5094dd2288ae8e9cb324de68ee5a7c828 # timeout=10

Commit message: "fix file"

First time build. Skipping changelog.

[Pipeline] container

[Pipeline] {

[Pipeline] stage

[Pipeline] { (rolling update calculator)

[Pipeline] sh

++ curl -L -s <https://dl.k8s.io/release/stable.txt>

+ curl -LO <https://dl.k8s.io/release/v1.26.3/bin/linux/amd64/kubectl>

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0

0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:-- 0

100 138 100 138 0 0 346 0 --:--:-- --:--:-- --:--:-- 345

5 45.8M 5 2798k 0 0 2181k 0 0:00:21 0:00:01 0:00:20 2181k

15 45.8M 15 7183k 0 0 3154k 0 0:00:14 0:00:02 0:00:12 4411k

24 45.8M 24 11.2M 0 0 3525k 0 0:00:13 0:00:03 0:00:10 4389k

34 45.8M 34 15.6M 0 0 3737k 0 0:00:12 0:00:04 0:00:08 4403k

43 45.8M 43 19.8M 0 0 3846k 0 0:00:12 0:00:05 0:00:07 4381k

50 45.8M 50 23.3M 0 0 3810k 0 0:00:12 0:00:06 0:00:06 4228k

59 45.8M 59 27.4M 0 0 3857k 0 0:00:12 0:00:07 0:00:05 4178k

68 45.8M 68 31.4M 0 0 3895k 0 0:00:12 0:00:08 0:00:04 4137k

77 45.8M 77 35.6M 0 0 3931k 0 0:00:11 0:00:09 0:00:02 4098k

86 45.8M 86 39.5M 0 0 3936k 0 0:00:11 0:00:10 0:00:01 4032k

95 45.8M 95 43.8M 0 0 3985k 0 0:00:11 0:00:11 --:--:-- 4204k

100 45.8M 100 45.8M 0 0 3989k 0 0:00:11 0:00:11 --:--:-- 4203k

+ chmod +x ./kubectl

+ ./kubectl apply -f calculator.yaml -n staging

deployment.apps/calculator-deployment configured

service/calculator-service unchanged

+ ./kubectl apply -f hazelcast.yaml -n staging

deployment.apps/hazelcast unchanged

service/hazelcast unchanged

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // container

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // podTemplate

[Pipeline] End of Pipeline

Could not update commit status, please check if your scan credentials belong to a member of the organization or a collaborator of the repository and repo:status scope is selected

GitHub has been notified of this commit’s build result

Finished: SUCCESS