

Docker Promotional pipeline with k8s

The screenshot shows the Jenkins web interface. At the top is the Jenkins logo and a search bar. Below the navigation bar, the breadcrumb path is 'Dashboard > docker-k8s >'. On the left sidebar, there are links for Status, Changes, Build with Parameters, Configure, Delete Pipeline, Full Stage View, GitHub, Favorite, Open Blue Ocean, Rename, and Pipeline Syntax. The main content area is titled 'Pipeline docker-k8s' and indicates 'This build requires parameters:'. There are two parameter fields: 'account' with a dropdown menu showing 'dev', and 'commit_id' with a text input field containing 'latest'. At the bottom of the parameters section are 'Build' and 'Cancel' buttons.

logs—

Started by user [Asad Shaikh](#)

Obtained Jenkinsfile from git git@github.com:asadis7171/jenkins-k8s.git

[Pipeline] Start of Pipeline

[Pipeline] node

Running on [jenkins](#) in /var/jenkins_home/workspace/docker-k8s

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

Selected Git installation does not exist. Using Default

The recommended git tool is: NONE

using credential asad.pem

Cloning the remote Git repository

Cloning repository git@github.com:asadis7171/jenkins-k8s.git

> /usr/bin/git init /var/jenkins_home/workspace/docker-k8s # timeout=10

Fetching upstream changes from git@github.com:asadis7171/jenkins-k8s.git

> /usr/bin/git --version # timeout=10

> git --version # 'git version 2.39.2'

using GIT_SSH to set credentials my private key

Verifying host key using known hosts file

> /usr/bin/git fetch --tags --force --progress -- git@github.com:asadis7171/jenkins-k8s.git

+refs/heads/*:refs/remotes/origin/* # timeout=10

> /usr/bin/git config remote.origin.url git@github.com:asadis7171/jenkins-k8s.git # timeout=10

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

Avoid second fetch

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

Checking out Revision 305da954df40f01dcd793e5b07f928701f57e209 (refs/remotes/origin/master)

> /usr/bin/git config core.sparsecheckout # timeout=10

> /usr/bin/git checkout -f 305da954df40f01dcd793e5b07f928701f57e209 # timeout=10

Commit message: " added PDF file"

> /usr/bin/git rev-list --no-walk 305da954df40f01dcd793e5b07f928701f57e209 # timeout=10

[Pipeline] }

[Pipeline] // stage

[Pipeline] withEnv

```

[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Docker Image Build IN Dev)
[Pipeline] echo
Building Docker Image Logging in to Docker Hub & Pushing the Image
[Pipeline] script
[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker build -t asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209 .
#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 132B done
#1 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 ...

#3 [auth] library/nginx:pull token for registry-1.docker.io
#3 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 DONE 24.3s

#4 [internal] load .dockerignore
#4 transferring context: 2B done
#4 DONE 0.0s

#5 [1/3] FROM
docker.io/library/nginx:alpine@sha256:31bad00311cb5eeb8a6648beadcf67277a175da89989f1472742
0a80e2e76742
#5 DONE 0.0s

#6 [internal] load build context
#6 transferring context: 469B done
#6 DONE 0.0s

#7 [2/3] COPY default.conf /etc/nginx/conf.d/
#7 CACHED

#8 [3/3] COPY index.html /usr/share/nginx/html/
#8 CACHED

#9 exporting to image
#9 exporting layers done
#9 writing image sha256:083bc2f1bca5f5305c612dd5df39dff5b67e54fc042c3b877d265c3a8f00f13c
done
#9 naming to docker.io/asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209 done
#9 DONE 0.0s
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry

```

Using the existing docker config file.Removing blacklisted property: auths\$ docker login -u asadis7171 -p
***** <https://registry.hub.docker.com/asadis7171/dev>

WARNING! Using --password via the CLI is insecure. Use --password-stdin.

WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-k8s@tmp/6f9d9b6e-8575-45b8-a9e3-b5f8de9fd445/config.json.

Configure a credential helper to remove this warning. See

<https://docs.docker.com/engine/reference/commandline/login/#credentials-store>

Login Succeeded

[Pipeline] {

[Pipeline] isUnix

[Pipeline] withEnv

[Pipeline] {

[Pipeline] sh

+ docker tag asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209

registry.hub.docker.com/asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] isUnix

[Pipeline] withEnv

[Pipeline] {

[Pipeline] sh

+ docker push

registry.hub.docker.com/asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209

The push refers to repository [registry.hub.docker.com/asadis7171/dev]

80fd5dd35c9c: Preparing

69a57b78b0ee: Preparing

13c52683b537: Preparing

337b7d64083b: Preparing

cdd311f34c29: Preparing

3e8ad8bcb0ac: Preparing

74b4ff8dbbd1: Preparing

c018a48a857c: Preparing

0f73163669d4: Preparing

aedc3bda2944: Preparing

c018a48a857c: Waiting

3e8ad8bcb0ac: Waiting

0f73163669d4: Waiting

74b4ff8dbbd1: Waiting

aedc3bda2944: Waiting

337b7d64083b: Layer already exists

80fd5dd35c9c: Layer already exists

cdd311f34c29: Layer already exists

13c52683b537: Layer already exists

69a57b78b0ee: Layer already exists

0f73163669d4: Layer already exists

74b4ff8dbbd1: Layer already exists

c018a48a857c: Layer already exists

aedc3bda2944: Layer already exists

3e8ad8bcb0ac: Layer already exists

305da954df40f01dcd793e5b07f928701f57e209: digest:

sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e size: 2403

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // withDockerRegistry

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

```

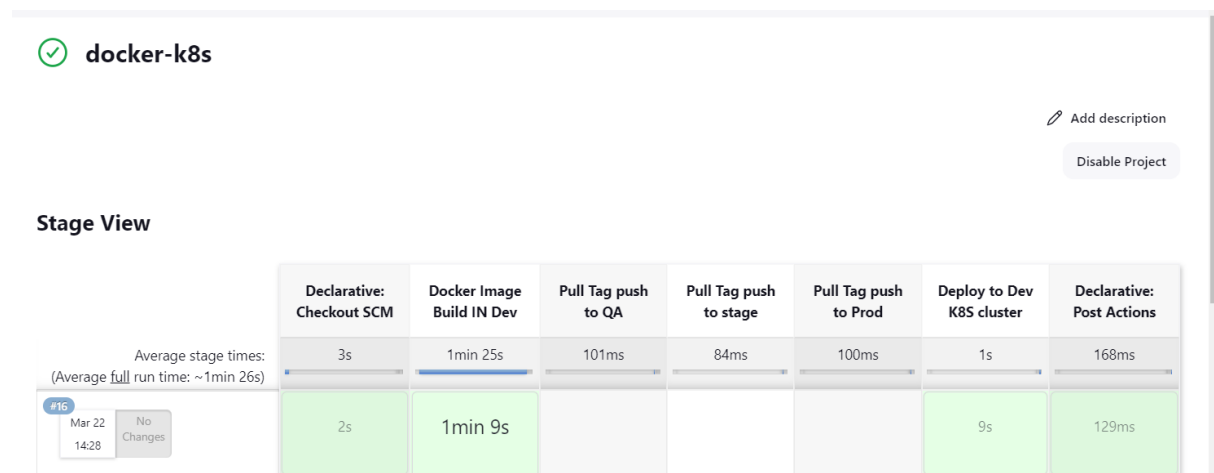
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to QA)
Stage "Pull Tag push to QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to stage)
Stage "Pull Tag push to stage" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to Prod)
Stage "Pull Tag push to Prod" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Dev K8S cluster )
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] echo
Deploying on Dev K8S Cluster.
[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/dev/g -e s/{{COMMITID}}/305da954df40f01dcd793e5b07f928701f57e209/g
KUBE/deployment.yaml
[Pipeline] sh
+ echo deployment.yaml file after replace with sed
deployment.yaml file after replace with sed
[Pipeline] sh
+ cat KUBE/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-jenkins-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: nginx-jenkins
  template:
    metadata:
      labels:
        app: nginx-jenkins
    spec:
      containers:
        - name: nginx-jenkins-c
          image: asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209
          ports:
            - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/deployment.yaml
deployment.apps/nginx-jenkins-deployment created
[Pipeline] sh

```

```

+ kubectl apply -f KUBE/service.yaml
service/frontend-service created
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Deleting Workspace from shared Lib
[Pipeline] deleteDir
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```



hub.docker.com/repository/docker/asadis7171/dev/tags?page=1&ordering=last_updated

asadis7171 / Repositories / dev / Tags

Using 0 of 1 private repositories. [Get more](#)

General **Tags** Builds Collaborators Webhooks Settings

Sort by **Newest** Filter Tags Delete

☐ TAG

305da954df40f01dcd793e5b07f928701f57e209

Last pushed 14 minutes ago by [asadis7171](#)

`docker pull asadis7171/dev:305da954df40f01dcd793e5b07f928701f57e209` [Copy](#)

Digest	OS/ARCH	Last pull	Compressed Size
a0ee67e8db4f	linux/amd64	6 minutes ago	17.13 MB

☐ TAG

latest

Last pushed 7 days ago by [asadis7171](#)

`docker pull asadis7171/dev:latest` [Copy](#)

Digest	OS/ARCH	Last pull	Compressed Size
86a064bdcce9	linux/amd64	3 days ago	429.08 MB

```

root@Asad-PC:/mnt/d/Devops/k8s/k8sCluster_kubeadm_terraform (master)
$ kgp
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-9f698c6d7-kwj1q  1/1     Running   0           8m15s
nginx-jenkins-deployment-9f698c6d7-skdbf    1/1     Running   0           8m15s

```

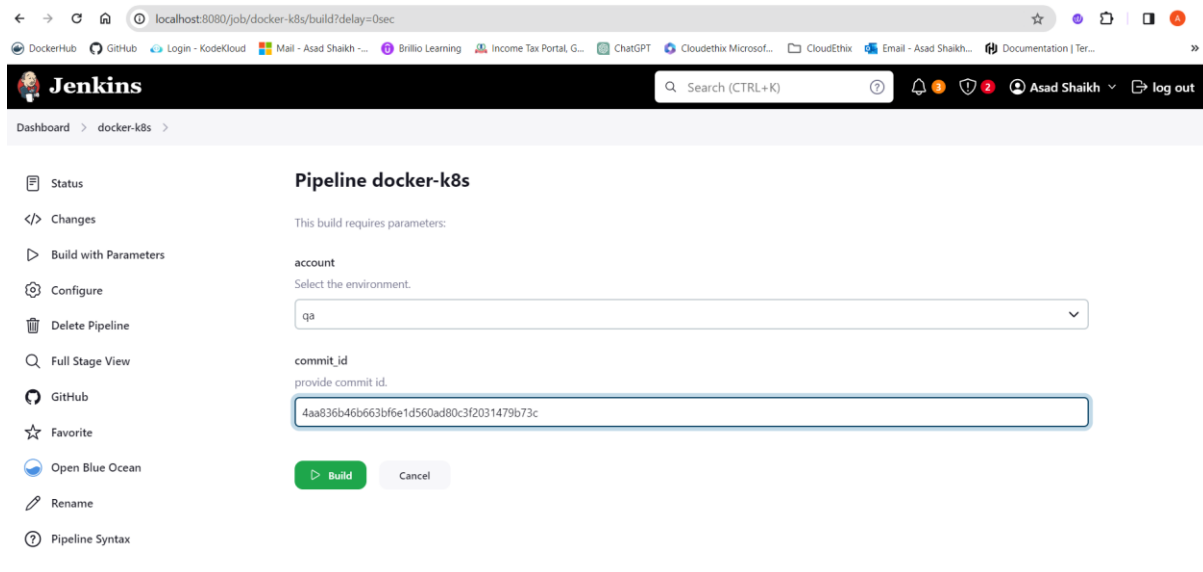
← → ↻ 🏠 ⚠ Not secure 3.208.195.218:30008

DockerHub GitHub Login - KodeKloud Mail - Asad Shaikh -... Brillio Learning Income Tax Portal, G... ChatGPT Clou

Host: nginx-jenkins-deployment-9f698c6d7-kwj1q

Version: 1.1

Now deploying same on QA Environment



logs

Started by user [Asad Shaikh](#)

Obtained Jenkinsfile from git git@github.com:asadis7171/jenkins-k8s.git

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[Pipeline] node

Running on [jenkins](#) in /var/jenkins_home/workspace/docker-k8s

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

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using credential asad.pem

Cloning the remote Git repository

Cloning repository git@github.com:asadis7171/jenkins-k8s.git

> /usr/bin/git init /var/jenkins_home/workspace/docker-k8s # timeout=10

Fetching upstream changes from git@github.com:asadis7171/jenkins-k8s.git

> /usr/bin/git --version # timeout=10

> git --version # 'git version 2.39.2'

using GIT_SSH to set credentials my private key

Verifying host key using known hosts file

> /usr/bin/git fetch --tags --force --progress -- git@github.com:asadis7171/jenkins-k8s.git

+refs/heads/*:refs/remotes/origin/* # timeout=10

> /usr/bin/git config remote.origin.url git@github.com:asadis7171/jenkins-k8s.git # timeout=10

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

Avoid second fetch

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

Checking out Revision 4aa836b46b663bf6e1d560ad80c3f2031479b73c (refs/remotes/origin/master)

> /usr/bin/git config core.sparsecheckout # timeout=10

> /usr/bin/git checkout -f 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10

Commit message: " added PDF file"

> /usr/bin/git rev-list --no-walk 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10

[Pipeline] }

[Pipeline] // stage

[Pipeline] withEnv

```

[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Docker Image Build IN Dev)
Stage "Docker Image Build IN Dev" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to QA)
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/dev
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/b5c33109-cd51-4f96-9896-2ff0e2ab161c/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker pull registry.hub.docker.com/asadis7171/dev:4aa836b46b663bf6e1d560ad80c3f2031479b73c
4aa836b46b663bf6e1d560ad80c3f2031479b73c: Pulling from asadis7171/dev
Digest: sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e
Status: Image is up to date for
registry.hub.docker.com/asadis7171/dev:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/dev:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image pulled from DEV
Image pulled from DEV
[Pipeline] sh
+ echo Tagging Docker image from Dev to QA
Tagging Docker image from Dev to QA
[Pipeline] sh
+ docker tag asadis7171/dev:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/qa
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/5bf75dca-52ae-4371-9a0d-1612d9bef04e/config.json.
Configure a credential helper to remove this warning. See

```


<https://docs.docker.com/engine/reference/commandline/login/#credentials-store>

Login Succeeded

```
[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker tag registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
The push refers to repository [registry.hub.docker.com/asadis7171/qa]
80fd5dd35c9c: Preparing
69a57b78b0ee: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing
cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing
74b4ff8dbbd1: Preparing
c018a48a857c: Preparing
0f73163669d4: Preparing
aedc3bda2944: Preparing
c018a48a857c: Waiting
74b4ff8dbbd1: Waiting
0f73163669d4: Waiting
3e8ad8bcb0ac: Waiting
aedc3bda2944: Waiting
80fd5dd35c9c: Layer already exists
337b7d64083b: Layer already exists
cdd311f34c29: Layer already exists
13c52683b537: Layer already exists
69a57b78b0ee: Layer already exists
0f73163669d4: Layer already exists
aedc3bda2944: Layer already exists
74b4ff8dbbd1: Layer already exists
3e8ad8bcb0ac: Layer already exists
c018a48a857c: Layer already exists
4aa836b46b663bf6e1d560ad80c3f2031479b73c: digest:
sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image pushed
Image pushed
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
```

```

[Pipeline] { (Pull Tag push to stage)
Stage "Pull Tag push to stage" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to Prod)
Stage "Pull Tag push to Prod" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Dev K8S cluster )
Stage "Deploy to Dev K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to QA K8S cluster )
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] echo
Deploying on QA K8S Cluster.
[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/qa/g -e s/{{COMMITID}}/4aa836b46b663bf6e1d560ad80c3f2031479b73c/g
KUBE/deployment.yaml
[Pipeline] sh
+ echo deployment.yaml file after replace with sed
deployment.yaml file after replace with sed
[Pipeline] sh
+ cat KUBE/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-jenkins-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: nginx-jenkins
  template:
    metadata:
      labels:
        app: nginx-jenkins
    spec:
      containers:
        - name: nginx-jenkins-c
          image: asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
          ports:
            - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/deployment.yaml
deployment.apps/nginx-jenkins-deployment configured
[Pipeline] sh
+ kubectl apply -f KUBE/service.yaml
service/frontend-service unchanged
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up

```

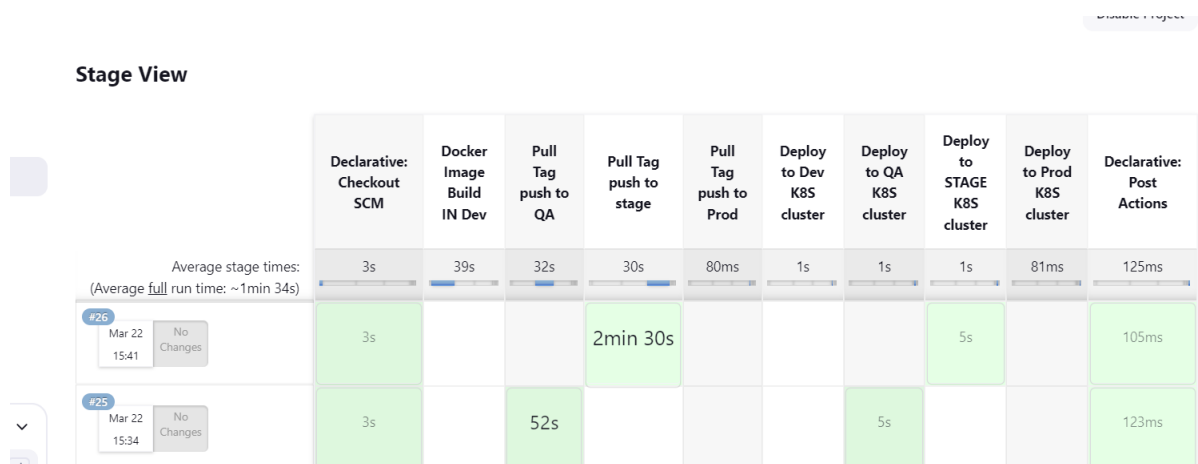
```

[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to STAGE K8S cluster )
Stage "Deploy to STAGE K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Prod K8S cluster )
Stage "Deploy to Prod K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Deleting Workspace from shared Lib
[Pipeline] deleteDir
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```

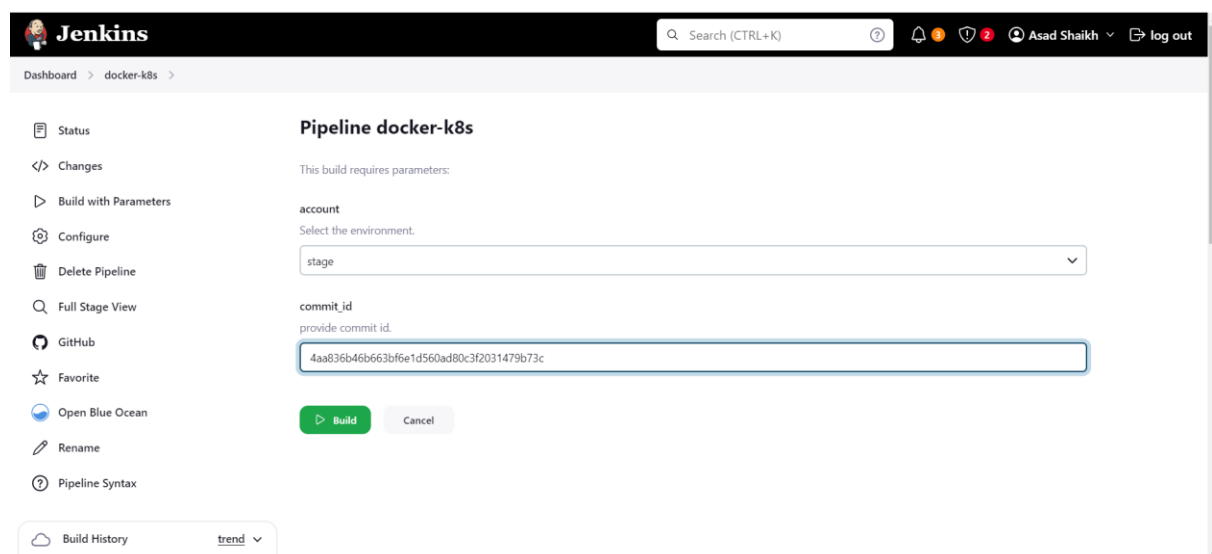
The screenshot shows the Docker Hub interface for the repository `asadis7171/qa`. The `Tags` tab is selected, displaying a list of tags. The first tag is `4aa836b46b663bf6e1d560ad80c3f2031479b73c`, pushed 5 minutes ago. The second tag is `null`, pushed an hour ago. Both tags are for `linux/amd64` architecture and have a compressed size of 17.13 MB. Pull commands are provided for each tag.

Tag	Digest	OS/ARCH	Last pull	Compressed Size
<code>4aa836b46b663bf6e1d560ad80c3f2031479b73c</code>	<code>a0ee67e8db4f</code>	<code>linux/amd64</code>	5 minutes ago	17.13 MB
<code>null</code>	<code>a0ee67e8db4f</code>	<code>linux/amd64</code>	5 minutes ago	17.13 MB



```
root@Asad-PC:/mnt/d/Devops/jenkins/Assign-04 (master)
$ kgp
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-59979757b8-fxpwx  1/1     Running   0           4m38s
nginx-jenkins-deployment-59979757b8-wrdjh  1/1     Running   0           4m40s
```

Now running for stage



Logs

Started by user [Asad Shaikh](#)
Obtained Jenkinsfile from git git@github.com:asadis7171/jenkins-k8s.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on [jenkins](#) in /var/jenkins_home/workspace/docker-k8s
[Pipeline] {

```

[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential asad.pem
Cloning the remote Git repository
Cloning repository git@github.com:asadis7171/jenkins-k8s.git
> /usr/bin/git init /var/jenkins_home/workspace/docker-k8s # timeout=10
Fetching upstream changes from git@github.com:asadis7171/jenkins-k8s.git
> /usr/bin/git --version # timeout=10
> git --version # 'git version 2.39.2'
using GIT_SSH to set credentials my private key
Verifying host key using known hosts file
> /usr/bin/git fetch --tags --force --progress -- git@github.com:asadis7171/jenkins-k8s.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> /usr/bin/git config remote.origin.url git@github.com:asadis7171/jenkins-k8s.git # timeout=10
> /usr/bin/git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> /usr/bin/git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 4aa836b46b663bf6e1d560ad80c3f2031479b73c (refs/remotes/origin/master)
> /usr/bin/git config core.sparsecheckout # timeout=10
> /usr/bin/git checkout -f 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10
Commit message: " added PDF file"
> /usr/bin/git rev-list --no-walk 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Docker Image Build IN Dev)
Stage "Docker Image Build IN Dev" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to QA)
Stage "Pull Tag push to QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to stage)
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/qa
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/b069db90-8a11-4cbd-888d-5d77172d4d23/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[Pipeline] {
[Pipeline] isUnix

```

```

[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker pull registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
4aa836b46b663bf6e1d560ad80c3f2031479b73c: Pulling from asadis7171/qa
Digest: sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e
Status: Image is up to date for
registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image pulled from QA
Image pulled from QA
[Pipeline] sh
+ echo Tagging Docker image from QA to Stage
Tagging Docker image from QA to Stage
[Pipeline] sh
+ docker tag registry.hub.docker.com/asadis7171/qa:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/stage
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/d9e4efe7-5205-45a8-9fcf-ac52a0ba8439/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

```

Login Succeeded

```

[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker tag
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
The push refers to repository [registry.hub.docker.com/asadis7171/stage]
80fd5dd35c9c: Preparing
69a57b78b0ee: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing
cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing

```

```

74b4ff8dbbd1: Preparing
c018a48a857c: Preparing
0f73163669d4: Preparing
aedc3bda2944: Preparing
74b4ff8dbbd1: Waiting
c018a48a857c: Waiting
0f73163669d4: Waiting
aedc3bda2944: Waiting
3e8ad8bcb0ac: Waiting
13c52683b537: Mounted from asadis7171/qa
69a57b78b0ee: Mounted from asadis7171/qa
cdd311f34c29: Mounted from asadis7171/qa
337b7d64083b: Mounted from asadis7171/qa
80fd5dd35c9c: Mounted from asadis7171/qa
74b4ff8dbbd1: Mounted from asadis7171/qa
c018a48a857c: Mounted from asadis7171/qa
3e8ad8bcb0ac: Mounted from asadis7171/qa
aedc3bda2944: Mounted from asadis7171/qa
0f73163669d4: Mounted from asadis7171/qa
4aa836b46b663bf6e1d560ad80c3f2031479b73c: digest:
sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image Pushed to STAGE
Image Pushed to STAGE
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to Prod)
Stage "Pull Tag push to Prod" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Dev K8S cluster )
Stage "Deploy to Dev K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to QA K8S cluster )
Stage "Deploy to QA K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to STAGE K8S cluster )
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] echo
Deploying on Stage K8S Cluster.
[Pipeline] withKubeConfig
[Pipeline] {

```

```

[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/stage/g -e
s/{{COMMITID}}/4aa836b46b663bf6e1d560ad80c3f2031479b73c/g KUBE/deployment.yaml
[Pipeline] sh
+ echo deployment.yaml file after replace with sed
deployment.yaml file after replace with sed
[Pipeline] sh
+ cat KUBE/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-jenkins-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: nginx-jenkins
  template:
    metadata:
      labels:
        app: nginx-jenkins
    spec:
      containers:
        - name: nginx-jenkins-c
          image: asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
          ports:
            - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/deployment.yaml
deployment.apps/nginx-jenkins-deployment configured
[Pipeline] sh
+ kubectl apply -f KUBE/service.yaml
service/frontend-service unchanged
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Prod K8S cluster )
Stage "Deploy to Prod K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Deleting Workspace from shared Lib
[Pipeline] deleteDir
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }

```


[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

The screenshot shows the Docker Hub interface for the repository 'asadis7171 / stage'. The 'Tags' tab is selected, showing a list of tags. The first tag is '4aa836b46b663bf6e1d560ad80c3f2031479b73c', which was last pushed an hour ago by 'asadis7171'. A 'docker pull' command is shown: `docker pull asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c`. Below the tag list, a table shows the details for the selected tag:

Digest	OS/ARCH	Last pull	Compressed Size
80ee67e8db4f	linux/amd64	an hour ago	17.13 MB

```
root@Asad-PC:/mnt/d/Devops/jenkins/Assign-04 (master)
$ kgp
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-59979757b8-fxpxx  1/1     Running   0           4m38s
nginx-jenkins-deployment-59979757b8-wrdjh  1/1     Running   0           4m40s
```

Now running for prod

The screenshot shows the Jenkins Pipeline configuration page for 'Pipeline docker-k8s'. The 'account' dropdown is set to 'prod'. The 'commit_id' field contains the commit hash '4aa836b46b663bf6e1d560ad80c3f2031479b73c'. The 'Build' button is highlighted.

Logs

Started by user [Asad Shaikh](#)
Obtained Jenkinsfile from git git@github.com:asadis7171/jenkins-k8s.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on [jenkins](#) in /var/jenkins_home/workspace/docker-k8s
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE

```

using credential asad.pem
Cloning the remote Git repository
Cloning repository git@github.com:asadis7171/jenkins-k8s.git
> /usr/bin/git init /var/jenkins_home/workspace/docker-k8s # timeout=10
Fetching upstream changes from git@github.com:asadis7171/jenkins-k8s.git
> /usr/bin/git --version # timeout=10
> git --version # 'git version 2.39.2'
using GIT_SSH to set credentials my private key
Verifying host key using known hosts file
> /usr/bin/git fetch --tags --force --progress -- git@github.com:asadis7171/jenkins-k8s.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> /usr/bin/git config remote.origin.url git@github.com:asadis7171/jenkins-k8s.git # timeout=10
> /usr/bin/git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> /usr/bin/git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 4aa836b46b663bf6e1d560ad80c3f2031479b73c (refs/remotes/origin/master)
> /usr/bin/git config core.sparsecheckout # timeout=10
> /usr/bin/git checkout -f 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10
Commit message: " added PDF file"
> /usr/bin/git rev-list --no-walk 4aa836b46b663bf6e1d560ad80c3f2031479b73c # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Docker Image Build IN Dev)
Stage "Docker Image Build IN Dev" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to QA)
Stage "Pull Tag push to QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to stage)
Stage "Pull Tag push to stage" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to Prod)
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/stage
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/19f31071-c55f-4ff4-b812-1722535f190a/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[Pipeline] {
[Pipeline] isUnix

```

```

[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker pull
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
4aa836b46b663bf6e1d560ad80c3f2031479b73c: Pulling from asadis7171/stage
Digest: sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e
Status: Image is up to date for
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image pulled from QA
Image pulled from QA
[Pipeline] sh
+ echo Tagging Docker image from stage to prod
Tagging Docker image from stage to prod
[Pipeline] sh
+ docker tag
registry.hub.docker.com/asadis7171/stage:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
Using the existing docker config file.Removing blacklisted property: auths$ docker login -u asadis7171 -p
***** https://registry.hub.docker.com/asadis7171/prod
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/jenkins_home/workspace/docker-
k8s@tmp/118f0884-5e8e-4e67-9571-36f8133670e3/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

```

Login Succeeded

```

[Pipeline] {
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker tag
registry.hub.docker.com/asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c
registry.hub.docker.com/asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push
registry.hub.docker.com/asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c
The push refers to repository [registry.hub.docker.com/asadis7171/prod]
80fd5dd35c9c: Preparing
69a57b78b0ee: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing

```

cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing
74b4ff8dbbd1: Preparing
c018a48a857c: Preparing
0f73163669d4: Preparing
aedc3bda2944: Preparing
0f73163669d4: Waiting
aedc3bda2944: Waiting
3e8ad8bcb0ac: Waiting
74b4ff8dbbd1: Waiting
c018a48a857c: Waiting
cdd311f34c29: Mounted from asadis7171/stage
69a57b78b0ee: Mounted from asadis7171/stage
337b7d64083b: Mounted from asadis7171/stage
13c52683b537: Mounted from asadis7171/stage
80fd5dd35c9c: Mounted from asadis7171/stage
3e8ad8bcb0ac: Mounted from asadis7171/stage
74b4ff8dbbd1: Mounted from asadis7171/stage
0f73163669d4: Mounted from asadis7171/stage
c018a48a857c: Mounted from asadis7171/stage
aedc3bda2944: Mounted from asadis7171/stage
4aa836b46b663bf6e1d560ad80c3f2031479b73c: digest:
sha256:a0ee67e8db4f1c702a6a588cfb9916bfc1a1ed37f091af10d9d799a7a3ae641e size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] sh
+ echo Image Pushed to Prod
Image Pushed to Prod
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Dev K8S cluster)
Stage "Deploy to Dev K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to QA K8S cluster)
Stage "Deploy to QA K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to STAGE K8S cluster)
Stage "Deploy to STAGE K8S cluster " skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Prod K8S cluster)
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] echo
Deploying on Prod K8S Cluster.

```

[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/prod/g -e
s/{{COMMITID}}/4aa836b46b663bf6e1d560ad80c3f2031479b73c/g KUBE/deployment.yaml
[Pipeline] sh
+ echo deployment.yaml file after replace with sed
deployment.yaml file after replace with sed
[Pipeline] sh
+ cat KUBE/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-jenkins-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: nginx-jenkins
  template:
    metadata:
      labels:
        app: nginx-jenkins
    spec:
      containers:
        - name: nginx-jenkins-c
          image: asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c
          ports:
            - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/deployment.yaml
deployment.apps/nginx-jenkins-deployment configured
[Pipeline] sh
+ kubectl apply -f KUBE/service.yaml
service/frontend-service unchanged
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Deleting Workspace from shared Lib
[Pipeline] deleteDir
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

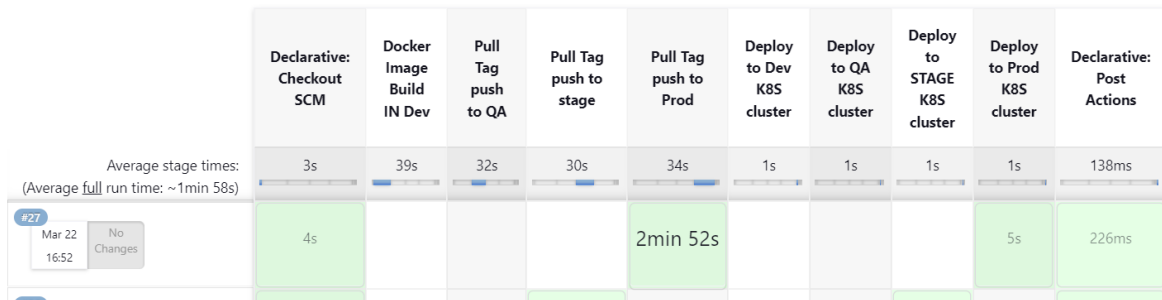
```

✓ docker-k8s

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TAG ☒ [4aa836b46b663bf6e1d560ad80c3f2031479b73c](#)

Last pushed 3 minutes ago by [asadis7171](#) `docker pull asadis7171/prod:4aa836b46b663bf6e1d560ad80c3f2031479b73c`

Digest	OS/ARCH	Last pull	Compressed Size
a0ec67e8db4f	linux/amd64	3 minutes ago	17.13 MB

TAG ☐ [latest](#)

Last pushed 3 days ago by [asadis7171](#) `docker pull asadis7171/prod:latest`

Digest	OS/ARCH	Last pull	Compressed Size
86a064bdccce9	linux/amd64	---	429.08 MB

```
root@Asad-PC:/mnt/d/Devops/jenkins/Assign-04 (master)
$ kgp
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-59979757b8-fxpwx  1/1     Running   0           4m38s
nginx-jenkins-deployment-59979757b8-wrdjh  1/1     Running   0           4m40s
```