

# Jenkins k8s Integration

## Deploying dev Environment

The screenshot shows the Jenkins Pipeline configuration page for a pipeline named 'dev'. On the left is a sidebar with navigation links: Status, Changes, Build with Parameters, View Configuration, Full Stage View, Favorite, Open Blue Ocean, and Pipeline Syntax. The main area is titled 'Pipeline dev' and indicates 'This build requires parameters:'. It lists two parameters: 'account' with a dropdown menu currently showing 'dev', and 'commit\_id' with a text input field containing 'latest'. At the bottom, there are 'Build' and 'Cancel' buttons. A 'Build History' section is partially visible at the bottom left.

## Logs

```
Started by user fardin
> git rev-parse --resolve-git-dir /var/lib/jenkins/caches/git-2734465909e6b44f8cf9248fb7e96825/.git
# timeout=10
Setting origin to https://github.com/Fardin31/jenkins\_promotional\_lib.git
> git config remote.origin.url https://github.com/Fardin31/jenkins\_promotional\_lib.git # timeout=10
Fetching origin...
Fetching upstream changes from origin
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git config --get remote.origin.url # timeout=10
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --tags --force --progress -- origin +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/Shared_lib_k8s_deploy
Seen branch in repository origin/dev
Seen branch in repository origin/master
Seen branch in repository origin/pramotional_lib
Seen branch in repository origin/prod
Seen branch in repository origin/qa
Seen branch in repository origin/stage
Seen 7 remote branches
Obtained Jenkinsfile from c8ae74a8f16d665be7b76c23f0f241c3396368dd
Loading library cedex_shared_lib@main
Attempting to resolve main from remote references...
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git ls-remote -h -- https://github.com/Fardin31/jenkins\_Shared\_lib.git # timeout=10
Found match: refs/heads/main revision 857bc6634c1a6eb5bdcab42be4d9e043ddda3d2b
The recommended git tool is: NONE
```

```

using credential GIT_CRED
> git rev-parse --resolve-git-dir
/var/lib/jenkins/workspace/jenkins_promotional_pipeline_dev@libs/0a1b45c396f9aa7ffe4f98110910a
a222864c65706886db63db4a04f95b16c8c/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/Jenkins\_Shared\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision 857bc6634c1a6eb5bdcab42be4d9e043ddda3d2b (main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 857bc6634c1a6eb5bdcab42be4d9e043ddda3d2b # timeout=10
Commit message: "Update DockerDeliveryPromotionPipelineK8SDeploy.groovy"
> git rev-list --no-walk 857bc6634c1a6eb5bdcab42be4d9e043ddda3d2b # timeout=10
[Pipeline] Start of Pipeline
[Pipeline] node
Running on jenkins in /var/lib/jenkins/workspace/jenkins_promotional_pipeline_dev
[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 GIT_CRED
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_promotional_pipeline_dev/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/jenkins\_promotional\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/jenkins\_promotional\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/jenkins\_promotional\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision c8ae74a8f16d665be7b76c23f0f241c3396368dd (dev)
> git config core.sparsecheckout # timeout=10
> git checkout -f c8ae74a8f16d665be7b76c23f0f241c3396368dd # timeout=10
Commit message: "Update deployment.yaml"
> git rev-list --no-walk c8ae74a8f16d665be7b76c23f0f241c3396368dd # 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 fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd .
#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 132B 0.0s done
#1 DONE 0.1s

#2 [internal] load metadata for docker.io/library/nginx:alpine
#2 DONE 2.8s

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

#4 [internal] load build context
#4 transferring context: 63B done
#4 DONE 0.0s

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

#6 [2/3] COPY default.conf /etc/nginx/conf.d/
#6 CACHED

#7 [3/3] COPY index.html /usr/share/nginx/html/
#7 CACHED

#8 exporting to image
#8 exporting layers done
#8 writing image sha256:975248a8e95de359fa8d379f6afc89e45b32edd979103de2da992a4d1edc075e
done
#8 naming to docker.io/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd 0.0s done
#8 DONE 0.0s
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/dev
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@tmp/65e8cb08-2e64-466b-9e16-
25104b4577a9/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 fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push registry.hub.docker.com/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
The push refers to repository [registry.hub.docker.com/fardin31/dev]
69c075e89ce3: Preparing
21764e68907a: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing
cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing
74b4ff8dbbd1: Preparing
c018a48a857c: Preparing
0f73163669d4: Preparing
aedc3bda2944: Preparing
3e8ad8bcb0ac: Waiting
74b4ff8dbbd1: Waiting
c018a48a857c: Waiting
aedc3bda2944: Waiting
0f73163669d4: Waiting
21764e68907a: Layer already exists
69c075e89ce3: Layer already exists
cdd311f34c29: Layer already exists
337b7d64083b: Layer already exists
13c52683b537: Layer already exists
3e8ad8bcb0ac: Layer already exists
c018a48a857c: Layer already exists
74b4ff8dbbd1: Layer already exists
0f73163669d4: Layer already exists
aedc3bda2944: Layer already exists
c8ae74a8f16d665be7b76c23f0f241c3396368dd: digest:
sha256:e5f6da371b92ec4ffe810d23d41bdbb678719ecb4d5fafffa5e09753c08f3eec5 size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[Pipeline] sh
+ echo Image Pushed to DEV
Image Pushed to DEV
[Pipeline] sh
+ echo Deleting Local docker DEV Image
Deleting Local docker DEV Image
[Pipeline] sh
+ docker rmi fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
Untagged: fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to QA)

```

```

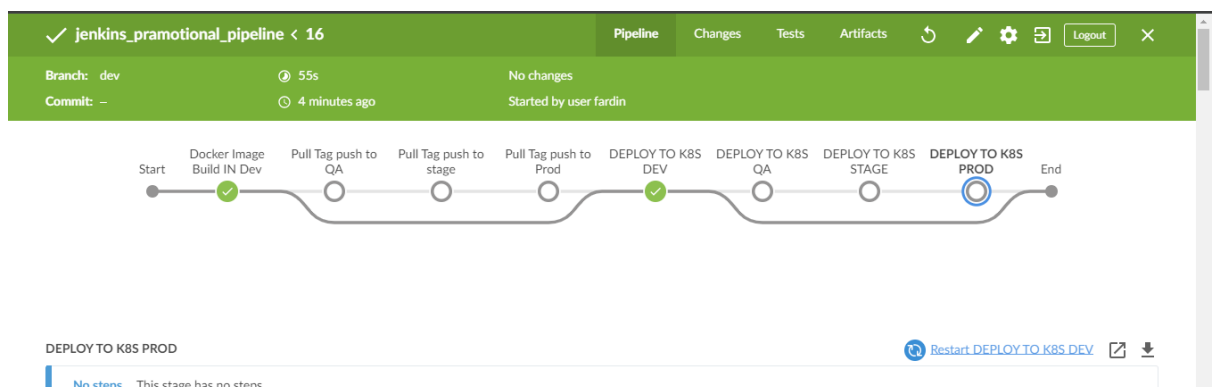
Stage "Pull Tag push to QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to stage)
Stage "Pull Tag push to stage" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Pull Tag push to Prod)
Stage "Pull Tag push to Prod" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S DEV)
[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ echo Deploying application on dev K8S cluster
Deploying application on dev K8S cluster
[Pipeline] sh
+ echo Replacing K8S manifests files with sed....
Replacing K8S manifests files with sed....
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/dev/g -e s/{{COMMITID}}/c8ae74a8f16d665be7b76c23f0f241c3396368dd/g
KUBE/deployment.yaml KUBE/service.yaml
[Pipeline] sh
+ echo K8S manifests files after replace with sed ...
K8S manifests files 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: fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
          ports:
            - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/.
deployment.apps/nginx-jenkins-deployment created
service/frontend-service created
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // stage

```

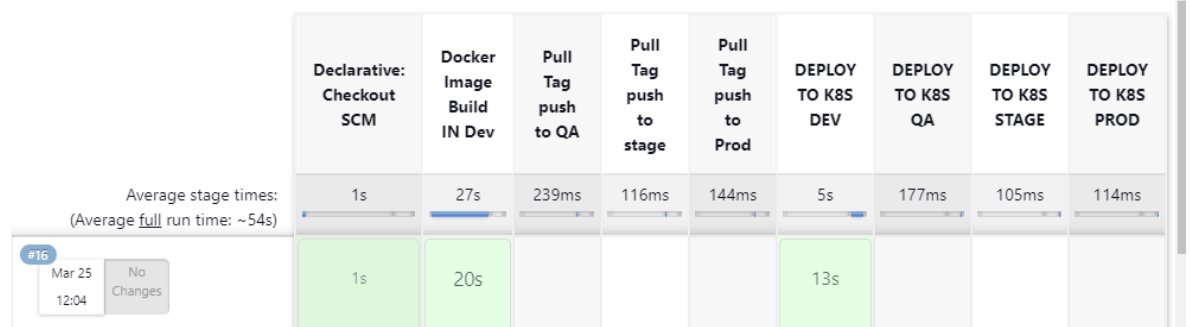
```

[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S QA)
Stage "DEPLOY TO K8S QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S STAGE)
Stage "DEPLOY TO K8S STAGE" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S PROD)
Stage "DEPLOY TO K8S PROD" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```



## Stage View



```

root@FARDIN:~# kgp
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-6979c94857-p2874  1/1     Running   0           3m26s
nginx-jenkins-deployment-6979c94857-q5g25  1/1     Running   0           3m25s
root@FARDIN:~# █

```

## Deploying same on QA Environment

Status

</> Changes

▶ Build with Parameters

⚙️ View Configuration

🔍 Full Stage View

★ Favorite

🌐 Open Blue Ocean

🔗 Pipeline Syntax

### Pipeline qa

This build requires parameters:

**account**  
Select the environment.

qa

**commit\_id**  
Provide commit id.

4e24b9c879543a275ed318a2f9052ef78689e8a

▶ Build

Cancel

Build History

trend

Filter...

## Logs

Started by user [fardin](#)

```
> git rev-parse --resolve-git-dir /var/lib/jenkins/caches/git-2734465909e6b44f8cf9248fb7e96825/.git
# timeout=10
```

Setting origin to [https://github.com/Fardin31/jenkins\\_promotional\\_lib.git](https://github.com/Fardin31/jenkins_promotional_lib.git)

```
> git config remote.origin.url https://github.com/Fardin31/jenkins_promotional_lib.git # timeout=10
```

Fetching origin...

Fetching upstream changes from origin

```
> git --version # timeout=10
```

```
> git --version # 'git version 2.34.1'
```

```
> git config --get remote.origin.url # timeout=10
```

using GIT\_SSH to set credentials

Verifying host key using known hosts file

```
> git fetch --tags --force --progress -- origin +refs/heads/*:refs/remotes/origin/* # timeout=10
```

Seen branch in repository origin/Shared\_lib\_k8s\_deploy

Seen branch in repository origin/dev

Seen branch in repository origin/master

Seen branch in repository origin/promotional\_lib

Seen branch in repository origin/prod

Seen branch in repository origin/qa

Seen branch in repository origin/stage

Seen 7 remote branches

Obtained Jenkinsfile from c8ae74a8f16d665be7b76c23f0f241c3396368dd

```

Loading library cedex_shared_lib@main
Attempting to resolve main from remote references...
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git ls-remote -h -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Found match: refs/heads/main revision b566b152af57b3f07d483e508567b57c1bc5ce32
The recommended git tool is: NONE
using credential GIT_CRED
> git rev-parse --resolve-git-dir
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@libs/0a1b45c396f9aa7ffe4f98110910a
a222864c65706886db63db4a04f95b16c8c/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/Jenkins\_Shared\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision b566b152af57b3f07d483e508567b57c1bc5ce32 (main)
> git config core.sparsecheckout # timeout=10
> git checkout -f b566b152af57b3f07d483e508567b57c1bc5ce32 # timeout=10
Commit message: "Update DockerDeliveryPromotionPipelineK8SDeploy.groovy"
> git rev-list --no-walk 132ec780d72bb9845227c1b99b7795dfbb3fc8d1 # timeout=10
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev
[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 GIT_CRED
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/jenkins\_pramotional\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/jenkins\_pramotional\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/jenkins\_pramotional\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision c8ae74a8f16d665be7b76c23f0f241c3396368dd (dev)
> git config core.sparsecheckout # timeout=10
> git checkout -f c8ae74a8f16d665be7b76c23f0f241c3396368dd # timeout=10
Commit message: "Update deployment.yaml"
> git rev-list --no-walk c8ae74a8f16d665be7b76c23f0f241c3396368dd # 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
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/dev
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@tmp/49d4149e-cc6b-4d73-8c35-
7f621a793c98/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/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
c8ae74a8f16d665be7b76c23f0f241c3396368dd: Pulling from fardin31/dev
Digest: sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5afffa5e09753c08f3eec5
Status: Image is up to date for
registry.hub.docker.com/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[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 registry.hub.docker.com/fardin31/dev:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/qa
WARNING! Using --password via the CLI is insecure. Use --password-stdin.

```

WARNING! Your password will be stored unencrypted in  
/var/lib/jenkins/workspace/jenkins\_promotional\_pipeline\_dev@tmp/ae0ab74-1310-4efc-88cb-  
d2ddaef6bd03/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/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd  
registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] isUnix  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] sh  
+ docker push registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd  
The push refers to repository [registry.hub.docker.com/fardin31/qa]  
69c075e89ce3: Preparing  
21764e68907a: Preparing  
13c52683b537: Preparing  
337b7d64083b: Preparing  
cdd311f34c29: Preparing  
3e8ad8bcb0ac: Preparing  
74b4ff8dbbd1: Preparing  
c018a48a857c: Preparing  
0f73163669d4: Preparing  
aedc3bda2944: Preparing  
3e8ad8bcb0ac: Waiting  
74b4ff8dbbd1: Waiting  
aedc3bda2944: Waiting  
c018a48a857c: Waiting  
0f73163669d4: Waiting  
cdd311f34c29: Layer already exists  
13c52683b537: Layer already exists  
337b7d64083b: Layer already exists  
74b4ff8dbbd1: Layer already exists  
c018a48a857c: Layer already exists  
21764e68907a: Mounted from fardin31/dev  
3e8ad8bcb0ac: Layer already exists  
69c075e89ce3: Mounted from fardin31/dev  
aedc3bda2944: Layer already exists  
0f73163669d4: Layer already exists  
c8ae74a8f16d665be7b76c23f0f241c3396368dd: digest:  
sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5afffa5e09753c08f3eec5 size: 2403  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // withDockerRegistry  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // script  
[Pipeline] sh  
+ echo Image Pushed to QA
```

Image Pushed to QA

[Pipeline] sh

+ echo Deleting Local docker Images

Deleting Local docker Images

[Pipeline] sh

+ docker rmi -f registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd

Untagged: registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd

Untagged:

registry.hub.docker.com/fardin31/qa@sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5afffa5e09753c08f3eec5

[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 K8S DEV)

Stage "DEPLOY TO K8S DEV" skipped due to when conditional

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (DEPLOY TO K8S QA)

[Pipeline] withKubeConfig

[Pipeline] {

[Pipeline] sh

+ echo Deploying application on qa K8S cluster

Deploying application on qa K8S cluster

[Pipeline] sh

+ echo Replacing K8S manifests files with sed....

Replacing K8S manifests files with sed....

[Pipeline] sh

+ sed -i -e s/{{ACCOUNT}}/qa/g -e s/{{COMMITID}}/c8ae74a8f16d665be7b76c23f0f241c3396368dd/g KUBE/deployment.yaml KUBE/service.yaml

[Pipeline] sh

+ echo K8S manifests files after replace with sed ...

K8S manifests files 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:

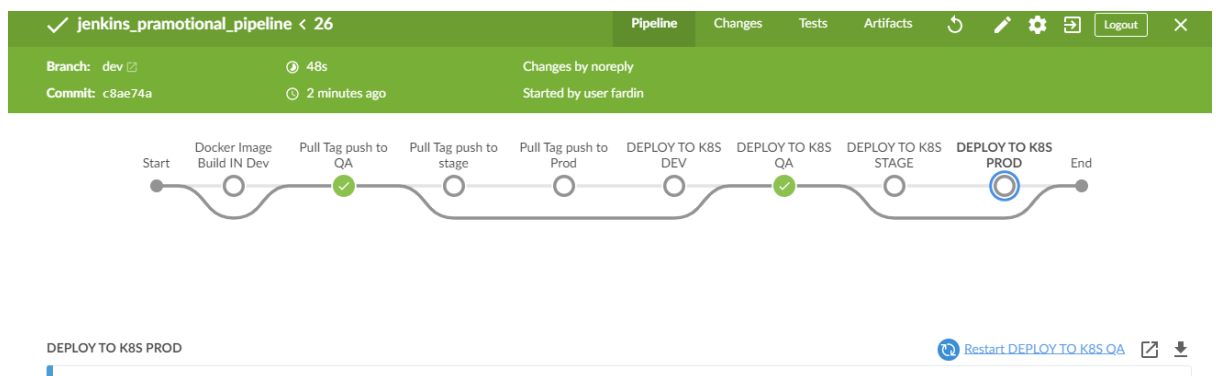
app: nginx-jenkins

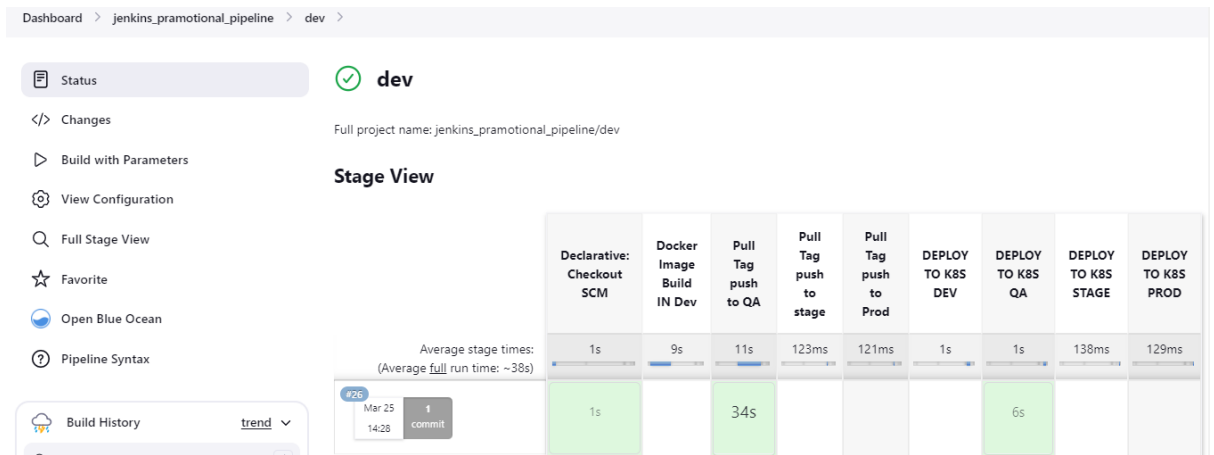
spec:

```

containers:
- name: nginx-jenkins-c
  image: fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd
  ports:
    - containerPort: 80
[Pipeline] sh
+ kubectl apply -f KUBE/.
deployment.apps/nginx-jenkins-deployment configured
service/frontend-service unchanged
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S STAGE)
Stage "DEPLOY TO K8S STAGE" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S PROD)
Stage "DEPLOY TO K8S PROD" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```





## NOW Deploy same with Stage Environment

jenkins\_promotional\_pipeline > dev >

Pipeline dev

This build requires parameters:

account  
Select the environment.  
stage

commit\_id  
Provide commit id.  
c8ae74a8f16d665be7b76c23f0f241c3396368dd

Build Cancel

Build History trend

Filter...

## Logs

Started by user [fardin](#)

```
> git rev-parse --resolve-git-dir /var/lib/jenkins/caches/git-2734465909e6b44f8cf9248fb7e96825/.git
# timeout=10
```

Setting origin to [https://github.com/Fardin31/jenkins\\_promotional\\_lib.git](https://github.com/Fardin31/jenkins_promotional_lib.git)

```
> git config remote.origin.url https://github.com/Fardin31/jenkins_promotional_lib.git # timeout=10
```

Fetching origin...

Fetching upstream changes from origin

```
> git --version # timeout=10
```

```
> git --version # 'git version 2.34.1'
```

```
> git config --get remote.origin.url # timeout=10
```

```

using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --tags --force --progress -- origin +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/Shared_lib_k8s_deploy
Seen branch in repository origin/dev
Seen branch in repository origin/master
Seen branch in repository origin/pramotional_lib
Seen branch in repository origin/prod
Seen branch in repository origin/qa
Seen branch in repository origin/stage
Seen 7 remote branches
Obtained Jenkinsfile from c8ae74a8f16d665be7b76c23f0f241c3396368dd
Loading library cedex_shared_lib@main
Attempting to resolve main from remote references...
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git ls-remote -h -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Found match: refs/heads/main revision b6b4910a954630d767992b6e3aaf91fa3273cc55
The recommended git tool is: NONE
using credential GIT_CRED
> git rev-parse --resolve-git-dir
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@libs/0a1b45c396f9aa7ffe4f98110910a
a222864c65706886db63db4a04f95b16c8c/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/Jenkins\_Shared\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision b6b4910a954630d767992b6e3aaf91fa3273cc55 (main)
> git config core.sparsecheckout # timeout=10
> git checkout -f b6b4910a954630d767992b6e3aaf91fa3273cc55 # timeout=10
Commit message: "Update DockerDeliveryPromotionPipelineK8SDeploy.groovy"
> git rev-list --no-walk b566b152af57b3f07d483e508567b57c1bc5ce32 # timeout=10
[Pipeline] Start of Pipeline
[Pipeline] node
Running on jenkins in /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev
[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 GIT_CRED
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/jenkins\_pramotional\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/jenkins\_pramotional\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials

```

Verifying host key using known hosts file

```
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/jenkins\_pramotional\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
```

Checking out Revision c8ae74a8f16d665be7b76c23f0f241c3396368dd (dev)

```
> git config core.sparsecheckout # timeout=10
```

```
> git checkout -f c8ae74a8f16d665be7b76c23f0f241c3396368dd # timeout=10
```

Commit message: "Update deployment.yaml"

```
> git rev-list --no-walk c8ae74a8f16d665be7b76c23f0f241c3396368dd # 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
```

```
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/qa
```

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

WARNING! Your password will be stored unencrypted in

/var/lib/jenkins/workspace/jenkins\_pramotional\_pipeline\_dev@tmp/1d92a8c2-e6fd-4d82-af2e-2aed165f0bb2/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/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd
```

c8ae74a8f16d665be7b76c23f0f241c3396368dd: Pulling from fardin31/qa

Digest: sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5afffa5e09753c08f3eec5

Status: Downloaded newer image for

registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd

registry.hub.docker.com/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd

```
[Pipeline] }
```

```
[Pipeline] // withEnv
```

```
[Pipeline] }
```

```
[Pipeline] // withDockerRegistry
```

```
[Pipeline] }
```

```
[Pipeline] // withEnv
```

```
[Pipeline] }
```

```
[Pipeline] // script
```

```
[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/fardin31/qa:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/stage
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@tmp/0d227302-3279-4861-9fd1-
6f5c32ef8ae7/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/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
The push refers to repository [registry.hub.docker.com/fardin31/stage]
69c075e89ce3: Preparing
21764e68907a: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing
cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing
74b4ff8dbbd1: Preparing
c018a48a857c: Preparing
0f73163669d4: Preparing
3e8ad8bcb0ac: Waiting
74b4ff8dbbd1: Waiting
c018a48a857c: Waiting
aedc3bda2944: Preparing
0f73163669d4: Waiting
aedc3bda2944: Waiting
cdd311f34c29: Layer already exists
337b7d64083b: Layer already exists
13c52683b537: Layer already exists
21764e68907a: Mounted from fardin31/qa
74b4ff8dbbd1: Layer already exists
3e8ad8bcb0ac: Layer already exists
```



```
c018a48a857c: Layer already exists
69c075e89ce3: Mounted from fardin31/qa
aedc3bda2944: Layer already exists
0f73163669d4: Layer already exists
c8ae74a8f16d665be7b76c23f0f241c3396368dd: digest:
sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5fafffa5e09753c08f3eec5 size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[Pipeline] sh
+ echo Image Pushed to STAGE
Image Pushed to STAGE
[Pipeline] sh
+ echo Deleting Local docker Images
Deleting Local docker Images
[Pipeline] sh
+ docker rmi -f registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
Untagged: registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
Untagged:
registry.hub.docker.com/fardin31/stage@sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5faff
fa5e09753c08f3eec5
[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 K8S DEV)
Stage "DEPLOY TO K8S DEV" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S QA)
Stage "DEPLOY TO K8S QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S STAGE)
[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ echo Deploying application on stage K8S cluster
Deploying application on stage K8S cluster
[Pipeline] sh
+ echo Replacing K8S manifests files with sed....
Replacing K8S manifests files with sed....
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/stage/g -e
s/{{COMMITID}}/c8ae74a8f16d665be7b76c23f0f241c3396368dd/g KUBE/deployment.yaml
KUBE/service.yaml
[Pipeline] sh
+ echo K8S manifests files after replace with sed ...
```

K8S manifests files 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: fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd

ports:

- containerPort: 80

[Pipeline] sh

+ kubectl apply -f KUBE/.

deployment.apps/nginx-jenkins-deployment configured

service/frontend-service unchanged

[Pipeline] }

[kubernetes-cli] kubectl configuration cleaned up

[Pipeline] // withKubeConfig

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (DEPLOY TO K8S PROD)

Stage "DEPLOY TO K8S PROD" skipped due to when conditional

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

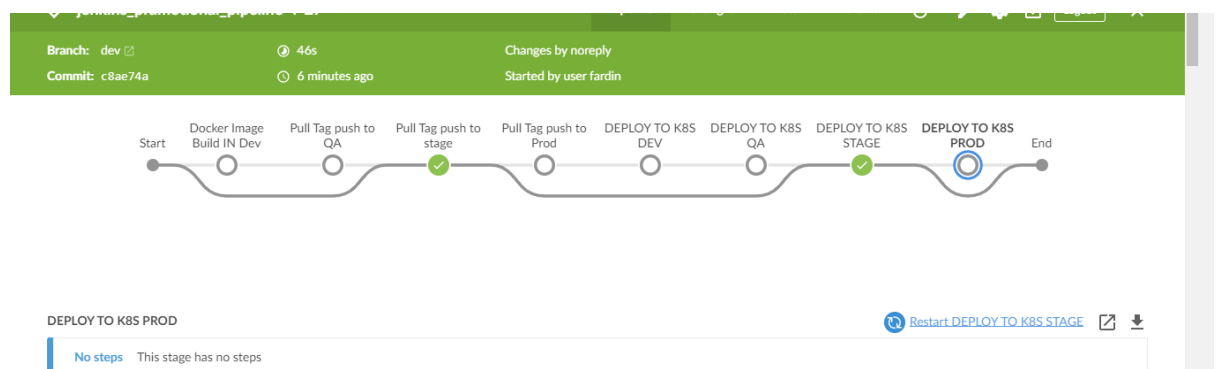
[Pipeline] // withEnv

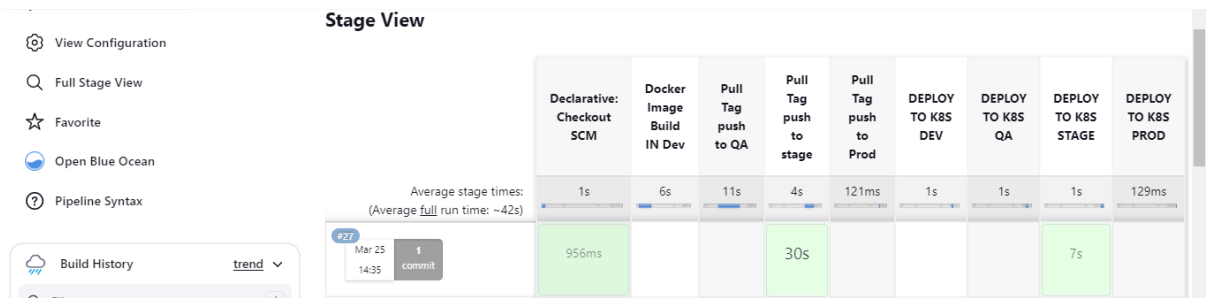
[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: SUCCESS





## Now Deploy Same on Prod Environment

**Pipeline dev**

This build requires parameters:

account  
Select the environment.  
prod

commit\_id  
Provide commit id.  
c8ae74a8f16d665be7b76c23f0f241c3396368dd

Build History trend

Build Cancel

## Logs

Started by user [fardin](#)

```
> git rev-parse --resolve-git-dir /var/lib/jenkins/caches/git-2734465909e6b44f8cf9248fb7e96825/.git
# timeout=10
```

Setting origin to [https://github.com/Fardin31/jenkins\\_promotional\\_lib.git](https://github.com/Fardin31/jenkins_promotional_lib.git)

```
> git config remote.origin.url https://github.com/Fardin31/jenkins_promotional_lib.git # timeout=10
```

Fetching origin...

Fetching upstream changes from origin

```
> git --version # timeout=10
```

```
> git --version # 'git version 2.34.1'
```

```
> git config --get remote.origin.url # timeout=10
```

using GIT\_SSH to set credentials

Verifying host key using known hosts file

```
> git fetch --tags --force --progress -- origin +refs/heads/*:refs/remotes/origin/* # timeout=10
```

Seen branch in repository origin/Shared\_lib\_k8s\_deploy

Seen branch in repository origin/dev

Seen branch in repository origin/master

Seen branch in repository origin/pramotional\_lib

Seen branch in repository origin/prod

Seen branch in repository origin/qa

Seen branch in repository origin/stage

Seen 7 remote branches

Obtained Jenkinsfile from c8ae74a8f16d665be7b76c23f0f241c3396368dd

Loading library cedex\_shared\_lib@main

Attempting to resolve main from remote references...

```

> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git ls-remote -h -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Found match: refs/heads/main revision b6b4910a954630d767992b6e3aaf91fa3273cc55
The recommended git tool is: NONE
using credential GIT_CRED
> git rev-parse --resolve-git-dir
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@libs/0a1b45c396f9aa7ffe4f98110910a
a222864c65706886db63db4a04f95b16c8c/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/Jenkins\_Shared\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/Jenkins\_Shared\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/Jenkins\_Shared\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision b6b4910a954630d767992b6e3aaf91fa3273cc55 (main)
> git config core.sparsecheckout # timeout=10
> git checkout -f b6b4910a954630d767992b6e3aaf91fa3273cc55 # timeout=10
Commit message: "Update DockerDeliveryPromotionPipelineK8SDeploy.groovy"
> git rev-list --no-walk b6b4910a954630d767992b6e3aaf91fa3273cc55 # timeout=10
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev
[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 GIT_CRED
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Fardin31/jenkins\_pramotional\_lib.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/Fardin31/jenkins\_pramotional\_lib.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_SSH to set credentials
Verifying host key using known hosts file
> git fetch --no-tags --force --progress -- https://github.com/Fardin31/jenkins\_pramotional\_lib.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Checking out Revision c8ae74a8f16d665be7b76c23f0f241c3396368dd (dev)
> git config core.sparsecheckout # timeout=10
> git checkout -f c8ae74a8f16d665be7b76c23f0f241c3396368dd # timeout=10
Commit message: "Update deployment.yaml"
> git rev-list --no-walk c8ae74a8f16d665be7b76c23f0f241c3396368dd # 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
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/stage
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@tmp/878821eb-db06-4e6e-b673-
da49c44b3bcf/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/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
c8ae74a8f16d665be7b76c23f0f241c3396368dd: Pulling from fardin31/stage
Digest: sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5afffa5e09753c08f3eec5
Status: Downloaded newer image for
registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[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/fardin31/stage:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd

```

```
[Pipeline] script
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withDockerRegistry
$ docker login -u fardin31 -p ***** https://registry.hub.docker.com/fardin31/prod
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in
/var/lib/jenkins/workspace/jenkins_pramotional_pipeline_dev@tmp/43a801d2-7058-4c92-b2ac-
96a63f4873aa/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/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
registry.hub.docker.com/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] isUnix
[Pipeline] withEnv
[Pipeline] {
[Pipeline] sh
+ docker push registry.hub.docker.com/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
The push refers to repository [registry.hub.docker.com/fardin31/prod]
69c075e89ce3: Preparing
21764e68907a: Preparing
13c52683b537: Preparing
337b7d64083b: Preparing
cdd311f34c29: Preparing
3e8ad8bcb0ac: Preparing
74b4ff8dbbd1: Preparing
3e8ad8bcb0ac: Waiting
c018a48a857c: Preparing
0f73163669d4: Preparing
aedc3bda2944: Preparing
74b4ff8dbbd1: Waiting
0f73163669d4: Waiting
c018a48a857c: Waiting
aedc3bda2944: Waiting
cdd311f34c29: Layer already exists
13c52683b537: Layer already exists
337b7d64083b: Layer already exists
3e8ad8bcb0ac: Layer already exists
74b4ff8dbbd1: Layer already exists
69c075e89ce3: Mounted from fardin31/stage
c018a48a857c: Layer already exists
21764e68907a: Mounted from fardin31/stage
aedc3bda2944: Layer already exists
0f73163669d4: Layer already exists
c8ae74a8f16d665be7b76c23f0f241c3396368dd: digest:
sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5fafffa5e09753c08f3eec5 size: 2403
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
```

```
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // script
[Pipeline] sh
+ echo Image Pushed to Prod
Image Pushed to Prod
[Pipeline] sh
+ echo Deleting Local docker Images
Deleting Local docker Images
[Pipeline] sh
+ docker rmi -f registry.hub.docker.com/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
Untagged: registry.hub.docker.com/fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
Untagged:
registry.hub.docker.com/fardin31/prod@sha256:e5f6da371b92ec4ffe810d23d41bdb678719ecb4d5faff
a5e09753c08f3eec5
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S DEV)
Stage "DEPLOY TO K8S DEV" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S QA)
Stage "DEPLOY TO K8S QA" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S STAGE)
Stage "DEPLOY TO K8S STAGE" skipped due to when conditional
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (DEPLOY TO K8S PROD)
[Pipeline] withKubeConfig
[Pipeline] {
[Pipeline] sh
+ echo Deploying application on prod K8S cluster
Deploying application on prod K8S cluster
[Pipeline] sh
+ echo Replacing K8S manifests files with sed....
Replacing K8S manifests files with sed....
[Pipeline] sh
+ sed -i -e s/{{ACCOUNT}}/prod/g -e
s/{{COMMITID}}/c8ae74a8f16d665be7b76c23f0f241c3396368dd/g KUBE/deployment.yaml
KUBE/service.yaml
[Pipeline] sh
+ echo K8S manifests files after replace with sed ...
K8S manifests files after replace with sed ...
[Pipeline] sh
+ cat KUBE/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-jenkins-deployment
spec:
  replicas: 2
```

```

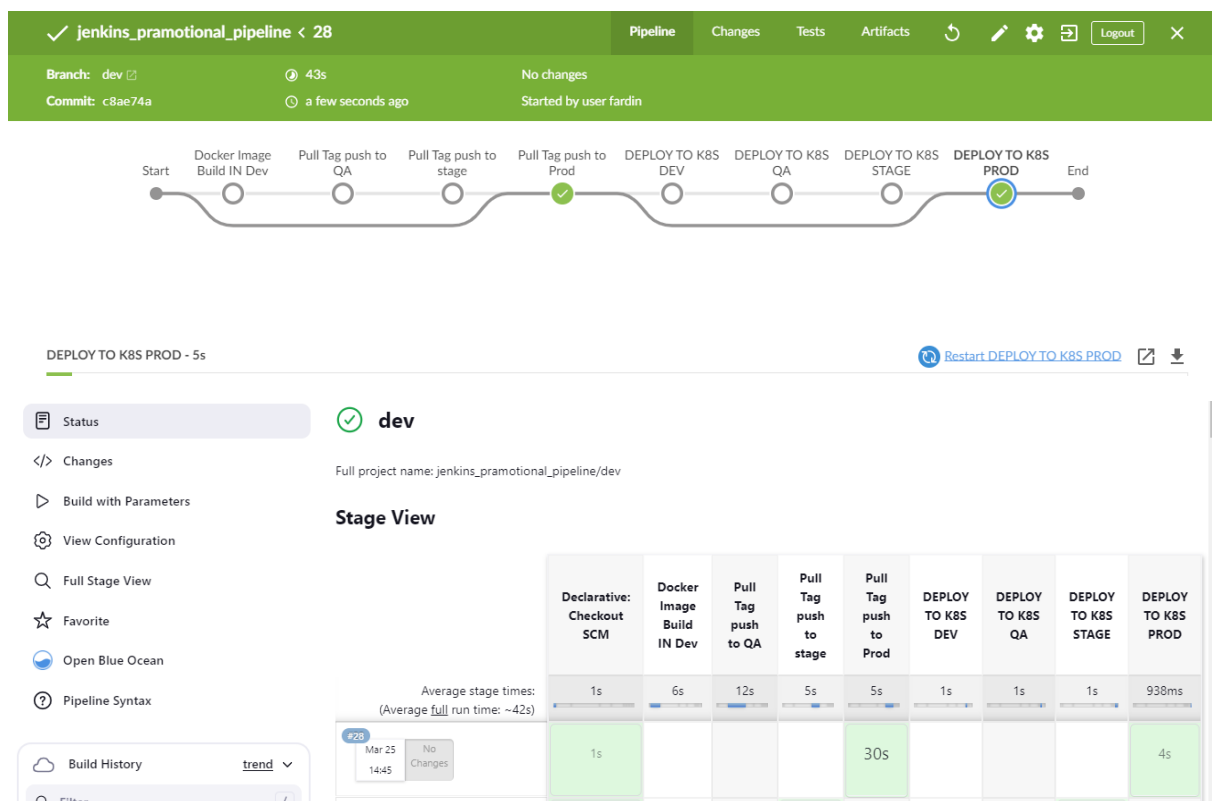
selector:
  matchLabels:
    app: nginx-jenkins
template:
  metadata:
    labels:
      app: nginx-jenkins
spec:
  containers:
    - name: nginx-jenkins-c
      image: fardin31/prod:c8ae74a8f16d665be7b76c23f0f241c3396368dd
      ports:
        - containerPort: 80

```

```

[Pipeline] sh
+ kubectl apply -f KUBE/.
deployment.apps/nginx-jenkins-deployment configured
service/frontend-service unchanged
[Pipeline] }
[kubernetes-cli] kubectl configuration cleaned up
[Pipeline] // withKubeConfig
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

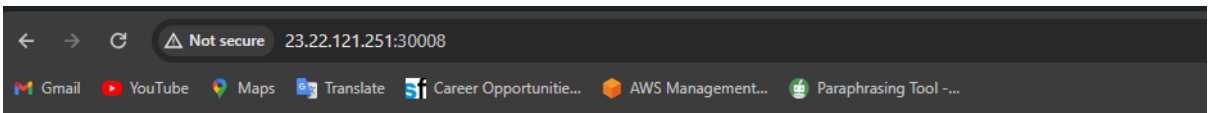
```





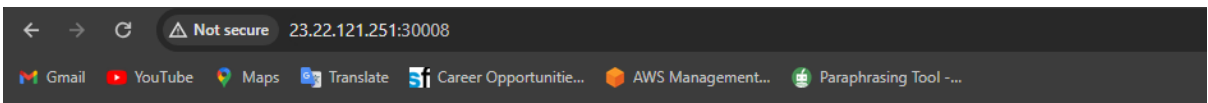
```
root@FARDIN:~# k get pod
NAME                                READY   STATUS    RESTARTS   AGE
nginx-jenkins-deployment-6979c94857-p2874  1/1     Running   0           3m26s
nginx-jenkins-deployment-6979c94857-q5g25  1/1     Running   0           3m25s
```

```
root@FARDIN:~# k get svc
NAME                TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
frontend-service    NodePort    10.106.65.71 <none>        80:30008/TCP     161m
kubernetes           ClusterIP   10.96.0.1    <none>        443/TCP          3d1h
root@FARDIN:~#
```



**Host: nginx-jenkins-deployment-8688bcd8f4-stdw8**

Version: 1.1



**Host: nginx-jenkins-deployment-8688bcd8f4-b7gx9**

Version: 1.1

