

```
Started by user Michael B
Obtained Jenkinsfile from git https://github.com/superbero/Jenkins_devops_exams.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /Users/admin/.jenkins/workspace/Jenkins exam@2
[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 ssh-keys-github
> git rev-parse --resolve-git-dir /Users/admin/.jenkins/workspace/Jenkins exam@2/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/superbero/Jenkins_devops_exams.git #
timeout=10
Fetching upstream changes from https://github.com/superbero/Jenkins_devops_exams.git
> git --version # timeout=10
> git --version # 'git version 2.39.2 (Apple Git-143)'
using GIT_SSH to set credentials authenticating ssh access to git repo
Verifying host key using known hosts file
> git fetch --tags --force --progress --
https://github.com/superbero/Jenkins_devops_exams.git +refs/heads/*:refs/remotes/origin/*
# timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision bdfdfa946abdb8ac98d585e2faf1d5a43748f02f
(refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f bdfdfa946abdb8ac98d585e2faf1d5a43748f02f # timeout=10
Commit message: "few fixes"
> git rev-list --no-walk 9005dfae5d4f5b653a05e38d3d9089dclaf51a87 # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout)
[Pipeline] script
[Pipeline] {
[Pipeline] git
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /Users/admin/.jenkins/workspace/Jenkins exam@2/.git #
timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/superbero/Jenkins_devops_exams.git #
timeout=10
Fetching upstream changes from https://github.com/superbero/Jenkins_devops_exams.git
> git --version # timeout=10
> git --version # 'git version 2.39.2 (Apple Git-143)'
> git fetch --tags --force --progress --
https://github.com/superbero/Jenkins_devops_exams.git +refs/heads/*:refs/remotes/origin/*
# timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision bdfdfa946abdb8ac98d585e2faf1d5a43748f02f
(refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f bdfdfa946abdb8ac98d585e2faf1d5a43748f02f # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git branch -D master # timeout=10
> git checkout -b master bdfdfa946abdb8ac98d585e2faf1d5a43748f02f # timeout=10
Commit message: "few fixes"
[Pipeline] }
[Pipeline] // script
```

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[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
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> git --version # timeout=10
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using GIT_SSH to set credentials authenticating ssh access to git repo
Verifying host key using known hosts file
> git fetch --tags --force --progress --
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# timeout=10
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(refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f bdfdfa946abdb8ac98d585e2faf1d5a43748f02f # timeout=10
Commit message: "few fixes"
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (pre-build)
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ echo 'login to docker hub'
login to docker hub
[Pipeline] withCredentials
Masking supported pattern matches of $DOCKER_HUB_PASSWORD
[Pipeline] {
[Pipeline] sh
+ /usr/local/bin/docker --version
Docker version 24.0.6, build ed223bc
+ /usr/local/bin/docker login -u onesimeking@gmail.com -p ****
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
Login Succeeded
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (build docker images)
[Pipeline] sh
+ echo 'building movie-service image'
building movie-service image
+ ls
Dockerfile
Jenkinsfile
README.md
cast-service
docker-compose.yml
jenkins-helm-dev
jenkins-helm-prod
jenkins-helm-qa
jenkins-helm-staging
kubernetes
movie-service
templates
values.yaml
+ cd movie-service
+ /usr/local/bin/docker build . -t superbero/movie-service:latest
#0 building with "desktop-linux" instance using docker driver
```

```
#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 30B
#1 transferring dockerfile: 284B 0.0s done
#1 DONE 0.1s

#2 [internal] load .dockerignore
#2 transferring context: 2B 0.0s done
#2 DONE 0.1s

#3 [internal] load metadata for docker.io/library/python:3.8-slim
#3 ...

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

#3 [internal] load metadata for docker.io/library/python:3.8-slim
#3 DONE 1.8s

#5 [1/6] FROM docker.io/library/python:3.8-slim@sha256:704ebdc57baf207b20cf93797817ec9c9038aed1e43fe41e99eab2ad37430d62
#5 DONE 0.0s

#6 [internal] load build context
#6 transferring context: 334B 0.0s done
#6 DONE 0.0s

#7 [3/6] COPY ./requirements.txt /app/requirements.txt
#7 CACHED

#8 [4/6] RUN apt-get update      && apt-get install gcc -y      && apt-get clean
#8 CACHED

#9 [5/6] RUN pip install -r /app/requirements.txt      && rm -rf /root/.cache/pip
#9 CACHED

#10 [2/6] WORKDIR /app
#10 CACHED

#11 [6/6] COPY . /app/
#11 CACHED

#12 exporting to image
#12 exporting layers done
#12 writing image sha256:c004d4fffea785a787b51cb360eeb9a62675143de08dfb4d6aee60708c37b41a
done
#12 naming to docker.io/superbero/movie-service:latest done
#12 DONE 0.0s
```

What's Next?

```
View a summary of image vulnerabilities and recommendations → docker scout quickview
+ echo 'building cast-service image'
building cast-service image
+ cd ..
+ cd cast-service
+ /usr/local/bin/docker build . -t superbero/cast-service:latest
#0 building with "desktop-linux" instance using docker driver
```

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

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 284B 0.0s done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/library/python:3.8-slim
#3 DONE 0.6s
```

```
#4 [1/6] FROM docker.io/library/python:3.8-  
slim@sha256:704ebdc57baf207b20cf93797817ec9c9038aed1e43fe41e99eab2ad37430d62  
#4 DONE 0.0s  
  
#5 [internal] load build context  
#5 transferring context: 295B 0.0s done  
#5 DONE 0.0s  
  
#6 [2/6] WORKDIR /app  
#6 CACHED  
  
#7 [3/6] COPY ./requirements.txt /app/requirements.txt  
#7 CACHED  
  
#8 [4/6] RUN apt-get update      && apt-get install gcc -y      && apt-get clean  
#8 CACHED  
  
#9 [5/6] RUN pip install -r /app/requirements.txt      && rm -rf /root/.cache/pip  
#9 CACHED  
  
#10 [6/6] COPY . /app/  
#10 CACHED  
  
#11 exporting to image  
#11 exporting layers done  
#11 writing image sha256:c9eaca6e2dcd71c936ee5c07a4761bbeda4ee0895d7a358c90ae5d5a91caa9b6  
done  
#11 naming to docker.io/superbero/cast-service:latest done  
#11 DONE 0.0s
```

What's Next?

```
View a summary of image vulnerabilities and recommendations → docker scout quickview  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (push to docker hub)  
[Pipeline] sh  
+ /usr/local/bin/docker push superbero/movie-service:latest  
The push refers to repository [docker.io/superbero/movie-service]  
0134d7e86cf6: Preparing  
8f496603fb33: Preparing  
2cfe541ba9d5: Preparing  
21f48cd73a18: Preparing  
9a7b1299c958: Preparing  
ed7719d68c72: Preparing  
a92939f8e4d5: Preparing  
e91f74685829: Preparing  
f19cb1e4112d: Preparing  
d310e774110a: Preparing  
ed7719d68c72: Waiting  
a92939f8e4d5: Waiting  
e91f74685829: Waiting  
f19cb1e4112d: Waiting  
d310e774110a: Waiting  
9a7b1299c958: Layer already exists  
2cfe541ba9d5: Layer already exists  
21f48cd73a18: Layer already exists  
8f496603fb33: Layer already exists  
ed7719d68c72: Layer already exists  
a92939f8e4d5: Layer already exists  
f19cb1e4112d: Layer already exists  
e91f74685829: Layer already exists  
0134d7e86cf6: Layer already exists  
d310e774110a: Layer already exists  
latest: digest: sha256:ac980f78cc06d01ec715b98379db22e2158705ed063dc4d06b2d34762dd4cadf  
size: 2416  
+ /usr/local/bin/docker push superbero/cast-service:latest  
The push refers to repository [docker.io/superbero/cast-service]  
79b2335653a0: Preparing
```

```
bbc4970fd1c9: Preparing
a7589ea2aaa7: Preparing
41a91ea19fa0: Preparing
9a7b1299c958: Preparing
ed7719d68c72: Preparing
a92939f8e4d5: Preparing
e91f74685829: Preparing
f19cb1e4112d: Preparing
d310e774110a: Preparing
ed7719d68c72: Waiting
a92939f8e4d5: Waiting
e91f74685829: Waiting
f19cb1e4112d: Waiting
d310e774110a: Waiting
bbc4970fd1c9: Layer already exists
79b2335653a0: Layer already exists
41a91ea19fa0: Layer already exists
9a7b1299c958: Layer already exists
a7589ea2aaa7: Layer already exists
e91f74685829: Layer already exists
a92939f8e4d5: Layer already exists
ed7719d68c72: Layer already exists
d310e774110a: Layer already exists
f19cb1e4112d: Layer already exists
latest: digest: sha256:79e978d13849f8d78de108f900eea9b802abf3a7969fe0dde3486e1099c1b3f0
size: 2416
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (configuration kubernetes)
[Pipeline] sh
+ echo 'config kubernetes'
config kubernetes
+ /usr/local/bin/kubect1 version
Client Version: v1.28.2
Kustomize Version: v5.0.4-0.20230601165947-6ce0bf390ce3
Server Version: v1.27.4
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploying)
[Pipeline] withCredentials
Masking supported pattern matches of $kubeconfig
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] input
Input requested
Approved by Michael B
[Pipeline] echo
Create Persistent Storage
[Pipeline] sh
+ /usr/local/bin/kubect1 apply -f kubernetes/volumes/persistentvolume.yml
persistentvolume/postgres-data-jenkins unchanged
[Pipeline] echo
User selected Install
[Pipeline] echo
create namespace dev prod staging QA
[Pipeline] sh
+ /usr/local/bin/kubect1 apply -f kubernetes/namespaces/dev.yml
namespace/dev unchanged
[Pipeline] sh
+ /usr/local/bin/kubect1 apply -f kubernetes/namespaces/staging.yml
namespace/staging unchanged
[Pipeline] sh
+ /usr/local/bin/kubect1 apply -f kubernetes/namespaces/prod.yml
namespace/prod unchanged
[Pipeline] sh
+ /usr/local/bin/kubect1 apply -f kubernetes/namespaces/qa.yml
```

```
namespace/qa unchanged
[Pipeline] echo
Deploying
[Pipeline] echo
Deploying dev node
[Pipeline] sh
+ /usr/local/bin/helm install jenkins-dev jenkins-helm-dev/ -n dev
NAME: jenkins-dev
LAST DEPLOYED: Tue Oct 10 21:17:33 2023
NAMESPACE: dev
STATUS: deployed
REVISION: 1
TEST SUITE: None
[Pipeline] echo
Deploying staging node
[Pipeline] sh
+ /usr/local/bin/helm install jenkins-staging jenkins-helm-staging/ -n staging
NAME: jenkins-staging
LAST DEPLOYED: Tue Oct 10 21:17:35 2023
NAMESPACE: staging
STATUS: deployed
REVISION: 1
TEST SUITE: None
[Pipeline] echo
Deploying prod node
[Pipeline] sh
+ /usr/local/bin/helm install jenkins-prod jenkins-helm-prod/ -n prod
NAME: jenkins-prod
LAST DEPLOYED: Tue Oct 10 21:17:37 2023
NAMESPACE: prod
STATUS: deployed
REVISION: 1
TEST SUITE: None
[Pipeline] echo
Deploying qa node
[Pipeline] sh
+ /usr/local/bin/helm install jenkins-qa jenkins-helm-qa/ -n qa
NAME: jenkins-qa
LAST DEPLOYED: Tue Oct 10 21:17:40 2023
NAMESPACE: qa
STATUS: deployed
REVISION: 1
TEST SUITE: None
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```