

Jenkins and docker project

Build a Jenkins pipeline using a plugin to automatically build and publish apache image to our Docker hub repo.

Here the output of the pipeline

The screenshot displays the Jenkins web interface. The top navigation bar includes the Jenkins logo, a search bar, and user information (admin). The breadcrumb trail shows the path: Dashboard > my-jenkins-docker-job > #13 justo91/docker-ubuntu-jenkinsv1 justo91/docker-ubuntu-jenkinslatest > Console Output. The left sidebar contains links for Status, Changes, Console Output (selected), Edit Build Information, Delete build, Timings, Git Build Data, and Previous Build. The main area is titled 'Console Output' and shows the following log:

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/my-jenkins-docker-job
The recommended git tool is: NONE
using credential gitHubCreds
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/my-jenkins-docker-job/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/justo91/docker-ubuntu.git # timeout=10
Fetching upstream changes from https://github.com/justo91/docker-ubuntu.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
using GIT_ASKPASS to set credentials My githubCreds in Jenkins
> git fetch --tags --force --progress -- https://github.com/justo91/docker-ubuntu.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision a0c43e3e5a4bc7418da9efb0dc1e9ff0d53172 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f a0c43e3e5a4bc7418da9efb0dc1e9ff0d53172 # timeout=10
Commit message: "Dockerfile updated"
> git rev-list --no-walk a0c43e3e5a4bc7418da9efb0dc1e9ff0d53172 # timeout=10
[my-jenkins-docker-job] $ docker build -t justo91/docker-ubuntu-jenkinsv1 --pull=true /var/lib/jenkins/workspace/my-jenkins-docker-job
#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 277B done
#1 DONE 0.0s

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

#3 [internal] load metadata for docker.io/library/ubuntu:latest
#3 DONE 0.2s

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

#5 [1/4] FROM docker.io/library/ubuntu:latest@sha256:2e863c440728727c868746568e1d54ef613b2fa71b160f5c9858fc436217b30
#5 DONE 0.0s

#6 [internal] load build context
#6 transferring context: 32B done
#6 DONE 0.0s

#7 [2/4] RUN apt-get update -y
#7 CACHED

#8 [3/4] RUN apt-get install -y apache2
#8 CACHED

#9 [4/4] COPY index.html /var/www/html
#9 CACHED

#10 exporting to image
#10 exporting layers done
#10 writing image sha256:89964eddbb30ef5cd8ddfc41d2d2eb051783b05e945c8da21b371d4ff5206 done
#10 naming to docker.io/justo91/docker-ubuntu-jenkinsv1 done
#10 DONE 0.0s
[my-jenkins-docker-job] $ docker build -t justo91/docker-ubuntu-jenkinslatest --pull=true /var/lib/jenkins/workspace/my-jenkins-docker-job
#0 building with "default" instance using docker driver
```

```
Dashboard > my-jenkins-docker-job > #13 justo91/docker-ubuntu-jenkinsv1 justo91/docker-ubuntu-jenkinslatest > Console Output

#10 exporting layers done
#10 writing image sha256:899d4eddb3b0f6c8d8df1c41d22e88651783b05e945cda21b371b4ff5206 done
#10 naming to docker.io/justo91/docker-ubuntu-jenkins:v1 done
#10 DONE 0.8s

[my-jenkins-docker-job] $ docker build -t justo91/docker-ubuntu-jenkins:latest --pull=true /var/lib/jenkins/workspace/my-jenkins-docker-job
#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 277B done
#1 DONE 0.8s

#2 [internal] load metadata for docker.io/library/ubuntu:latest
#2 DONE 0.1s

#3 [internal] load .dockerignore
#3 transferring context: 2B done
#3 DONE 0.8s

#4 [1/4] FROM docker.io/library/ubuntu:latest@sha256:2e803c44b718727c860746568e1d54ef613b2fe71b168fcd9858fc436217b30
#4 DONE 0.8s

#5 [internal] load build context
#5 transferring context: 32B done
#5 DONE 0.8s

#6 [2/4] RUN apt-get update -y
#6 CACHED

#7 [3/4] RUN apt-get install -y apache2
#7 CACHED

#8 [4/4] COPY index.html /var/www/html
#8 CACHED

#9 exporting to image
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#9 naming to docker.io/justo91/docker-ubuntu-jenkins:latest done
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```

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Dashboard > my-jenkins-docker-job > #13 justo91/docker-ubuntu-jenkinsv1 justo91/docker-ubuntu-jenkinslatest > Console Output

#7 CACHED

#8 [4/4] COPY index.html /var/www/html
#8 CACHED

#9 exporting to image
#9 exporting layers done
#9 writing image sha256:899d4eddb3b0f6c8d8df1c41d22e88651783b05e945cda21b371b4ff5206 done
#9 naming to docker.io/justo91/docker-ubuntu-jenkins:latest done
#9 DONE 0.8s

[my-jenkins-docker-job] $ docker push justo91/docker-ubuntu-jenkins:v1
The push refers to repository [docker.io/justo91/docker-ubuntu-jenkins]
bc8278c1300: Preparing
51e9b42beb1c: Preparing
e607ff6b2748: Preparing
a30a5965aef7: Preparing
a30a5965aef7: Mounted from library/ubuntu
bc8278c1300: Pushed
e607ff6b2748: Pushed
51e9b42beb1c: Pushed
v1: digest: sha256:e762567421b688195417241974b09b94ef26baeda79f582ade5ede7e5ef07 size: 1160

[my-jenkins-docker-job] $ docker push justo91/docker-ubuntu-jenkins:latest
The push refers to repository [docker.io/justo91/docker-ubuntu-jenkins]
bc8278c1300: Preparing
51e9b42beb1c: Preparing
e607ff6b2748: Preparing
a30a5965aef7: Preparing
bc8278c1300: Layer already exists
51e9b42beb1c: Layer already exists
e607ff6b2748: Layer already exists
a30a5965aef7: Layer already exists
latest: digest: sha256:e762567421b688195417241974b09b94ef26baeda79f582ade5ede7e5ef07 size: 1160
Finished: SUCCESS
```

Her the image in my Docker Hub repo

