

Running the docker using docker file and pushing the image into docker hub

```
Terminal + [power] [close] [settings]
Downloaded: https://repo.maven.apache.org/maven2/org/jdom/jdom2/2.0.6/jdom2-2.0.6.jar (298 KB at 59.8 KB/sec)
Downloaded: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-util/7.0-beta/asm-util-7.0-beta.jar (79 KB at 15.5 KB/sec)
Downloaded: https://repo.maven.apache.org/maven2/org/vafer/jdependency/2.1.1/jdependency-2.1.1.jar (182 KB at 35.5 KB/sec)
Downloaded: https://repo.maven.apache.org/maven2/com/google/guava/guava/19.0/guava-19.0.jar (2255 KB at 267.5 KB/sec)
[INFO] Replacing main artifact with repackaged archive
[INFO] --- spring-boot-maven-plugin:2.1.7.RELEASE:repackage (default) @ cicc-pipeline ---
[INFO] Replacing main artifact with repackaged archive
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 04:15 min
[INFO] Finished at: 2020-07-22T07:27:17+00:00
[INFO] Final Memory: 38M/245M
[INFO] -----
$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: pradeepmurjwani
Password:
Login Succeeded
$ [cursor]
```

Powered by  Kata 

```
Terminal + [power] [close] [settings]
Sending build context to Docker daemon 41.42 MB
Step 1/7 : FROM openjdk:8-jdk-alpine
8-jdk-alpine: Pulling from library/openjdk
e7c96db7181b: Pull complete
f910a506b6cb: Pull complete
c2274a1a0e27: Pull complete
Digest: sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f2283343547b3
Status: Downloaded newer image for openjdk:8-jdk-alpine
--> a3562aa0b991
Step 2/7 : EXPOSE 8081
--> Running in 7130a5c80fd6
--> 68fbf1f88a24
Removing intermediate container 7130a5c80fd6
Step 3/7 : ARG JAR_FILE=target/*.jar
--> Running in 93a5179a1930
--> 6df466d55e3f
Removing intermediate container 93a5179a1930
Step 4/7 : COPY ${JAR_FILE} app.jar
--> a7959a271abd
Removing intermediate container 5f93d8a2e9f8
Step 5/7 : RUN echo "Creation of your docker image is in progress, please hold on for a moment"
--> Running in 9a4bbd169d4b
Creation of your docker image is in progress, please hold on for a moment
--> 76d74f73529c
Removing intermediate container 9a4bbd169d4b
Step 6/7 : ENTRYPOINT java -jar app.jar
--> Running in 4423e5e8139b
--> 44eaf65d052a
Removing intermediate container 4423e5e8139b
Step 7/7 : MAINTAINER "shubhamkushwahi123@gmail.com"
--> Running in 8ebf025ebb74
--> 058fd71854ec
Removing intermediate container 8ebf025ebb74
Successfully built 058fd71854ec
$ [cursor]
```

```
Terminal +
$ docker run -p 8081:8081 -d pradeepmurjwani/mycicd-demo:0.1
a053ffc11105cb52682ffed7930c7448923f21bb89063c14f8c8210fd970372f
$ curl http://localhost:8081
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>DevOps World</title>

</head>
<body style="background-color:aqua;text-align:center">
<h1>Congratulations!!! Welcome to the World of DevOps</h1>
</body>
</html>$
```

Terminal +

```
$ docker push pradeepmurjwani/cicd-demo:0.1
The push refers to a repository [docker.io/pradeepmurjwani/cicd-demo]
An image does not exist locally with the tag: pradeepmurjwani/cicd-demo
$ docker push pradeepmurjwani/mycicd-demo:0.1
The push refers to a repository [docker.io/pradeepmurjwani/mycicd-demo]
568f79403b5c: Pushed
ceaf9e1ebef5: Mounted from library/openjdk
9b9b7f3d56a0: Mounted from library/openjdk
f1b5933fe4b5: Mounted from library/openjdk
0.1: digest: sha256:86a545a9e88d82e6024c2f068ac0612482e23aacfe9bf1403f8787a1ef94916a size: 1159
```

Docker Hub

hub.docker.com

Thank you for attending DockerCon 2020! [Watch the recordings.](#)

docker hub Search for great content (e.g., mysql) Explore Repositories Organizations Get Help pradee

pradeepmurjwani Search by repository name... Create Repository

pradeepmurjwani / mycicd-demo Updated a few seconds ago ☆ 0 ↓ 1 Public

Docker compose in windows system via docker toolbox software

MINGW64:/c/Program Files/Docker Toolbox

```
docker is configured to use the default machine with IP 192.168.99.100
For help getting started, check out the docs at https://docs.docker.com
```

```
Start interactive shell
```

```

PRADEEP@DESKTOP-N22R4FB MINGW64 /c/Program Files/Docker Toolbox
$

```

MINGW64:/d:/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test

```

PRADEEP@DESKTOP-N22R4FB MINGW64 /d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test (master)
$ pwd
/d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test

PRADEEP@DESKTOP-N22R4FB MINGW64 /d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test (master)
$ docker images

```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
PRADEEP@DESKTOP-N22R4FB MINGW64 /d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test (master)				

```

$ docker-compose up -d
Building tomcat-dev
Step 1/4 : FROM tomcat:latest
latest: Pulling from library/tomcat
e9afc4f90ab0: Already exists
989e6b19a265: Already exists
af14b6c2f878: Already exists
5573c4b30949: Already exists
fb1a405f128d: Already exists
612a9f566fdc: Already exists
4226f9b63dac: Already exists
cb8bfe875d7f: Already exists
5aa366608b6d: Already exists
4b7c9018ca5f: Already exists
Digest: sha256:46456ccf216f2fde198844d5c7d511f60e3ffc2ea3828e0cce9a2eed566e48e2
Status: Downloaded newer image for tomcat:latest
--> df72227b40e1
Step 2/4 : ADD ./target/war-test.war /usr/local/tomcat/webapps/
--> 0d5c5e54385f
Step 3/4 : CMD chmod +x /usr/local/tomcat/bin/catalina.sh
--> Running in 5f57fe95e625
Removing intermediate container 5f57fe95e625
--> 3c5210e1e1af
Step 4/4 : CMD ["catalina.sh", "run"]
--> Running in 8b50e00efafe
Removing intermediate container 8b50e00efafe
--> 8cff63c6eab4
Successfully built 8cff63c6eab4
Successfully tagged war-test_tomcat-dev:latest
WARNING: Image for service tomcat-dev was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Pulling database (mysql:...)
latest: Pulling from library/mysql
8559a31e96f4: Already exists
d51ce1c2e575: Already exists
c2344adc4858: Already exists
fcf3ceff18fc: Already exists
16da0c38dc5b: Already exists
b905d1797e97: Already exists
4b50d1c6b05c: Already exists
571e8a282156: Already exists

```

```
MINGW64:/d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test
Digest: sha256:46456ccf216f2fde198844d5c7d511f60e3ffc2ea3828e0cce9a2eed566e48e2
Status: Downloaded newer image for tomcat:latest
--> df72227b40e1
Step 2/4 : ADD ./target/war-test.war /usr/local/tomcat/webapps/
--> 0d5c5e54385f
Step 3/4 : CMD chmod +x /usr/local/tomcat/bin/catalina.sh
--> Running in 5f57fe95e625
Removing intermediate container 5f57fe95e625
--> 3c5210e1e1af
Step 4/4 : CMD ["catalina.sh", "run"]
--> Running in 8b50e00efafe
Removing intermediate container 8b50e00efafe
--> 8cff63c6eab4
Successfully built 8cff63c6eab4
Successfully tagged war-test_tomcat-dev:latest
WARNING: Image for service tomcat-dev was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Pulling database (mysql:...)
latest: Pulling from library/mysql
8559a31e96f4: Already exists
451ce1c2e575: Already exists
c2344adc4858: Already exists
fcf3ceff18fc: Already exists
16da0c38dc5b: Already exists
b905d1797e97: Already exists
4b50d1c6b05c: Already exists
571e8a282156: Already exists
e7cc823c6090: Already exists
89f6364a8689: Already exists
55e5b10f33a4: Already exists
68129e7a0316: Already exists
Digest: sha256:c455bbcaa8b9c5c636c45f6184f970caeb3d8b545a0390e1b72a253e07aef8fd
Status: Downloaded newer image for mysql:latest
Recreating war-test_tomcat-dev_1 ... error
Starting war-test_database_1 ...
Starting war-test_database_1 ... done

ERROR: for tomcat-dev no such image: sha256:946844db16f494695875f0d0a57395727e60d228eb72dfeb7435c3a9fba8356e; No such image: sha256:946844db16f494695875f0d0a57395727e60d228eb72dfeb7435c3a9fba8356e
ERROR: The image for the service you're trying to recreate has been removed. If you continue, volume data could be lost. Consider backing up your data before continuing.

Continue with the new image? [yN]y
war-test_database_1 is up-to-date
Recreating 4f0104d9fdeb_war-test_tomcat-dev_1 ... done

PRADDEP@DESKTOP-N22RAFB MINGW64 /d/Software/eclipse-jee-neon-3-win32-x86_64/workspace/war-test (master)
$
```

