

## Docker

### Docker build images

```
192:demo men666anas$ docker build -t demo .
[+] Building 3.3s (8/8) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 36B                                              0.0s
=> [internal] load .dockerignore                                                0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/openjdk:8                    3.1s
=> [auth] library/openjdk:pull token for registry-1.docker.io                  0.0s
=> [internal] load build context                                                0.0s
=> => transferring context: 65B                                                0.0s
=> [1/2] FROM docker.io/library/openjdk:8@sha256:fc48b332e01ca3f6940d3ef8502707a3cc252294780467993e910cb209da 0.0s
=> CACHED [2/2] COPY target/demo.jar demo.jar                                  0.0s
=> exporting to image                                                            0.0s
=> => exporting layers                                                            0.0s
=> => writing image sha256:9738a529d8eaf1b0c48c2bd693b09f18a2f5aef99fd87c8f8661afecd67a30ab 0.0s
=> => naming to docker.io/library/demo                                          0.0s
192:demo men666anas$
```

### Docker run container di local


```
192:demo men666anas$ docker run -p 8080:8080 demo
:: Spring Boot ::
(v2.7.2)

2022-08-04 04:24:29.833 INFO 1 --- [main] com.example.demo.DemoApplication : Starting DemoApplication v0.0.1-SNAPSHOT using Java 1.8.0_342
on 8f43adfa0a53 with PID 1 (/demo.jar started by root in /)
2022-08-04 04:24:29.848 INFO 1 --- [main] com.example.demo.DemoApplication : No active profile set, falling back to 1 default profile: "default"
2022-08-04 04:24:32.229 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-08-04 04:24:32.290 INFO 1 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-08-04 04:24:32.291 INFO 1 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.65]
2022-08-04 04:24:32.598 INFO 1 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-08-04 04:24:32.598 INFO 1 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2536 ms
2022-08-04 04:24:33.116 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-08-04 04:24:33.126 INFO 1 --- [main] com.example.demo.DemoApplication : Started DemoApplication in 4.487 seconds (JVM running for 8.12s)
```


### Docker tag and push to repository


```
192:demo men666anas$ docker tag demo andikaopp/demo
192:demo men666anas$ docker push andikaopp/demo
Using default tag: latest
The push refers to repository [docker.io/andikaopp/demo]
4d356e3ebf14: Layer already exists
6b5aaff44254: Layer already exists
53a0b163e995: Layer already exists
b626401ef603: Layer already exists
9b55156abf26: Layer already exists
293d5db30c9f: Layer already exists
03127cdb479b: Layer already exists
9c742cd6c7a5: Layer already exists
latest: digest: sha256:dafc53a8cfb27c80829808509d2edaf96a0fd0a45da8fc4be981f1a767cf16a2 size: 2007
192:demo men666anas$
```

## Docker images di docker hub

 andikaopp/demo

Description

demo spring 

 Last pushed: 20 hours ago

Docker commands

[Public View](#)



To push a new tag to this repository,

`docker push andikaopp/demo:tagname`

Tags and Scans

VULNERABILITY SCANNING - DISABLED [Enable](#)

This repository contains 1 tag(s).

TAG	OS	PULLED	PUSHED
 latest		---	20 hours ago

[See all](#) [Go to Advanced Image Management](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

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## Running docker di play-with docker

```
#####
#                                     WARNING!!!!                                #
# This is a sandbox environment. Using personal credentials                    #
# is HIGHLY! discouraged. Any consequences of doing so are                    #
# completely the user's responsibilities.                                     #
#                                                                              #
# The PWD team.                                                                #
#####
[node1] (local) root@192.168.0.13 ~
$ docker images
REPOSITORY      TAG          IMAGE ID      CREATED      SIZE
[node1] (local) root@192.168.0.13 ~
$ docker pull andikaopp/demo
Using default tag: latest
latest: Pulling from andikaopp/demo
001c52e26ad5: Pull complete
d9d4b9b6e964: Pull complete
2068746827ec: Pull complete
9daef329d350: Pull complete
d85151f15b66: Pull complete
52a8c426d30b: Pull complete
8754a66e0050: Pull complete
f23644f2e06a: Pull complete
Digest: sha256:dafc53a8cfb27c80829808509d2edaf96a0fd0a45da8fc4be981f1a767cf16a2
Status: Downloaded newer image for andikaopp/demo:latest
docker.io/andikaopp/demo:latest
[node1] (local) root@192.168.0.13 ~
$
```

```
[node1] (local) root@192.168.0.13 ~
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
andikaopp/demo      latest             9738a1529d8ea      3 hours ago        546MB
[node1] (local) root@192.168.0.13 ~
$ docker run -p 8080:8080 andikaopp/demo

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:: Spring Boot ::
              (v2.7.2)

2022-08-02 15:54:14.852 INFO 1 --- [           main] com.example.demo.DemoApplication : Starting DemoApplication v0.0.1-SNAPSHOT using Java 1.8.0_342 on fbb8c92c5e99 with PID 1 (/d
emo.jar started by root in /)
2022-08-02 15:54:14.922 INFO 1 --- [           main] com.example.demo.DemoApplication : No active profile set, falling back to 1 default profile: "default"
2022-08-02 15:54:21.708 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-08-02 15:54:21.749 INFO 1 --- [           main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-08-02 15:54:21.749 INFO 1 --- [           main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.65]
2022-08-02 15:54:22.063 INFO 1 --- [           main] o.a.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-08-02 15:54:22.063 INFO 1 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 6152 ms
2022-08-02 15:54:24.079 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-08-02 15:54:24.149 INFO 1 --- [           main] com.example.demo.DemoApplication : Started DemoApplication in 12.296 seconds (JVM running for 14.459)
```

```
← → ↺ ⚠ Not Secure | ip172-18-0-78-cbkkdobcukq0009hau6g-8080.direct.labs.play-with-docker.com/api/v1/users

{"code":200,"data":["budi","budi","budi","budi"],"message":"success"}
```