

Push JAVA .NET and PYTHON Images_to_Docker_Hub_Own_Repo

(A) Push the Java-app docker image to your Docker Hub Account

1. Log into the Docker Hub from the command line

```
# docker login --username=yourhubusername
```

2. Check the image ID using

```
# docker images
```

```
root@ip-172-31-34-212: /home/devops/java-docker# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
java-app             latest             8f5da9fb0ae4       19 minutes ago     123MB
docker-python        latest             c08094d820d6       2 hours ago        75.1MB
lovescloud/python-docker latest             c08094d820d6       2 hours ago        75.1MB
docker.net.demo      latest             8a3e088f2d1e       4 hours ago        281MB
lovescloud/docker.net.demo latest             8a3e088f2d1e       4 hours ago        281MB
microsoft/dotnet     2.2-runtime        ef44823f065e       15 hours ago       181MB
python               2.7-alpine         42fe74abbf15       2 weeks ago        61.2MB
tomcat               8.0.51-jre8-alpine fcc5ace83900       11 months ago      106MB
root@ip-172-31-34-212: /home/devops/java-docker#
```

3. Tag your image

```
# docker tag <Image-ID> yourhubusername/java-docker:latest
```

Example

```
# docker tag 8f5da9fb0ae4 lovescloud/java-docker
```

```
root@ip-172-31-34-212: /home/devops/java-docker# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
java-app             latest             8f5da9fb0ae4       21 minutes ago     123MB
lovescloud/java-docker latest             8f5da9fb0ae4       21 minutes ago     123MB
docker-python        latest             c08094d820d6       2 hours ago        75.1MB
lovescloud/python-docker latest             c08094d820d6       2 hours ago        75.1MB
docker.net.demo      latest             8a3e088f2d1e       4 hours ago        281MB
lovescloud/docker.net.demo latest             8a3e088f2d1e       4 hours ago        281MB
microsoft/dotnet     2.2-runtime        ef44823f065e       15 hours ago       181MB
python               2.7-alpine         42fe74abbf15       2 weeks ago        61.2MB
tomcat               8.0.51-jre8-alpine fcc5ace83900       11 months ago      106MB
root@ip-172-31-34-212: /home/devops/java-docker#
```

4. Push your image to the repository you created

```
# docker push yourhubusername/java-docker
```

Example

```
root@ip-172-31-34-212: /home/devops/java-docker# docker push lovescloud/java-docker
The push refers to repository [docker.io/lovescloud/java-docker]
539d659a46f7: Pushed
7ea147abc4bf: Mounted from library/tomcat
262192c9a09a: Mounted from library/tomcat
f8f564cb1419: Mounted from library/tomcat
638d4576a926: Mounted from library/tomcat
c9b26f41504c: Mounted from library/tomcat
cd7100a72410: Mounted from library/tomcat
latest: digest: sha256:042a4a86b14ac411a0eff49c665e9f6557c44f711ab93b9e506f0ba190cde85d size: 1786
```

(B) Push the python-docker image to your Docker Hub Account

1. Check the image

```
# docker images
```

```
root@ip-172-31-34-212: /home/devops/python-docker# docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
docker-python        latest       c08094d820d6     4 minutes ago   75.1MB
lovescloud/docker.net/demo  latest     8a3e088f2d1e     2 hours ago     281MB
docker.net/demo      latest       8a3e088f2d1e     2 hours ago     281MB
microsoft/dotnet     2.2-runtime ef44823f065e     14 hours ago    181MB
python               2.7-alpine  42fe74abbf15     2 weeks ago     61.2MB
root@ip-172-31-34-212: /home/devops/python-docker#
```

2. Tag your image

```
# docker tag c08094d820d6 yourhubusername/python-docker:latest
```

Example

```
# docker tag c08094d820d6 lovescloud/python-docker:latest
```

```
root@ip-172-31-34-212: /home/devops/python-docker# docker tag c08094d820d6 lovescloud/python-docker:latest
root@ip-172-31-34-212: /home/devops/python-docker# docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
docker-python        latest       c08094d820d6     6 minutes ago   75.1MB
lovescloud/python-docker  latest     c08094d820d6     6 minutes ago   75.1MB
docker.net/demo      latest       8a3e088f2d1e     2 hours ago     281MB
lovescloud/docker.net/demo  latest     8a3e088f2d1e     2 hours ago     281MB
microsoft/dotnet     2.2-runtime ef44823f065e     14 hours ago    181MB
python               2.7-alpine  42fe74abbf15     2 weeks ago     61.2MB
root@ip-172-31-34-212: /home/devops/python-docker#
```

3. Push your image to the repository you created

```
# docker push yourhubusername/python-docker
```

(C) Push the dotnet docker image to your Docker Hub Account

1. Check the image

```
# docker images

root@ip-172-31-34-212: /home/devops/dotnet-angular-docker# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
docker.net.demo      latest             8a3e088f2d1e       3 minutes ago      281MB
microsoft/dotnet     2.2-runtime       ef44823f065e       11 hours ago       181MB
root@ip-172-31-34-212: /home/devops/dotnet-angular-docker#
```

2. Tag your image

```
# docker tag b536f24d0c41 yourhubusername/dotnet-docker:firsttry
```

Example

```
# docker tag 8a3e088f2d1e lovescloud/docker.net.demo:latest

root@ip-172-31-34-212: /home/devops/dotnet-angular-docker# docker tag 8a3e088f2d1e lovescloud/docker.net.demo:latest
root@ip-172-31-34-212: /home/devops/dotnet-angular-docker# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
docker.net.demo      latest             8a3e088f2d1e       5 minutes ago      281MB
lovescloud/docker.net.demo  latest             8a3e088f2d1e       5 minutes ago      281MB
microsoft/dotnet     2.2-runtime       ef44823f065e       11 hours ago       181MB
root@ip-172-31-34-212: /home/devops/dotnet-angular-docker# docker
```

3. Push your image to the repository you created

```
# docker push yourhubusername/dotnet-docker
```

```
root@ip-172-31-34-212: /home/devops/dotnet-angular-docker# docker push lovescloud/docker.net.demo
The push refers to repository [docker.io/lovescloud/docker.net.demo]
3da046d2347f: Pushed
123801790a27: Pushed
58250d948418: Pushed
00144941ed5c: Mounted from microsoft/dotnet
af86071167fd: Mounted from microsoft/dotnet
e448e7502f52: Mounted from microsoft/dotnet
5dacd731af1b: Mounted from microsoft/dotnet
latest: digest: sha256:18c700d998c5cec76bcbe0b52308f09aeb9202e17c33660d134d65c66baab9a9 size: 1792
root@ip-172-31-34-212: /home/devops/dotnet-angular-docker#
```