

# Docker Registry Server

# Docker Registry Server

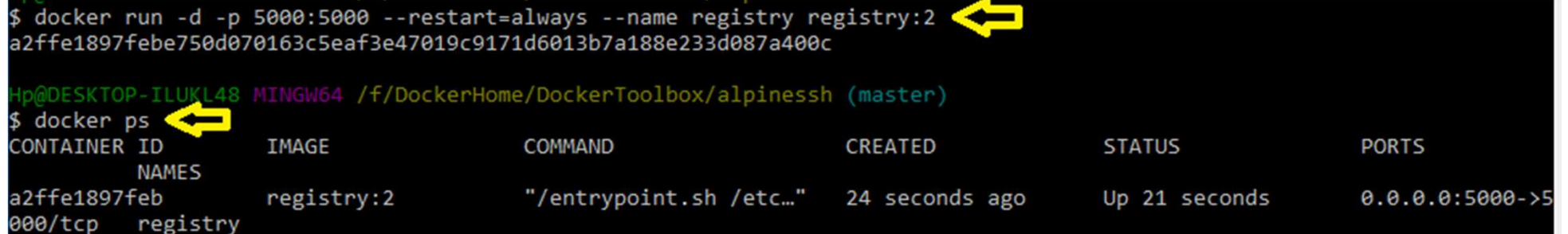
- Running a local registry server
  - *`docker run -d -p 5000:5000 --restart=always --name registry registry:2`*

```
$ docker run -d -p 5000:5000 --restart=always --name registry registry:2
a2ffe1897febe750d070163c5eaf3e47019c9171d6013b7a188e233d087a400c
```

Hp@DESKTOP-ILUKL48 MINGW64 /f/DockerHome/DockerToolbox/alpinessh (master)

```
$ docker ps
```


CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
a2ffe1897feb	registry:2	"/entrypoint.sh /etc..."	24 seconds ago	Up 21 seconds	0.0.0.0:5000->5000/tcp



# Tag Image


- Lets tag the *alpinessh* image we build previously to local registry
  - *docker tag alpinessh localhost:5000/alpinessh*

```
$ docker tag alpinessh localhost:5000/alpinessh
```

```
Hp@DESKTOP-ILUKL48 MINGW64 /f/DockerHome/DockerToolbox/alpinessh  
$ docker images
```

REPOSITORY	TAG	IMAGE ID
alpinessh	latest	99d01761a4c3
localhost:5000/alpinessh	latest	99d01761a4c3



# Push Image

- Lets push the image to local registry running at localhost:5000
  - *`docker push localhost:5000/alpinessh`*

```
$ docker push localhost:5000/alpinessh ←
The push refers to repository [localhost:5000/alpinessh]
d7dc000c05fb: Pushed
6950c3448f7f: Pushed
503e53e365f3: Pushed
latest: digest: sha256:6dd671353d23fecf686007f64a20e191abe02ca2c47abd57b992a29796f870a1 size: 946
```

# Test pulling Image


- Lets test pulling image from local registry
- Lets remove existing images
  - *docker rmi alpinessh*
  - *docker rmi localhost:5000/alpinessh*

```
$ docker rmi alpinessh
Untagged: alpinessh:latest

Hp@DESKTOP-ILUKL48 MINGW64 /f/DockerHome/DockerToolbox/alpinessh (master)
$ docker rmi localhost:5000/alpinessh
Untagged: localhost:5000/alpinessh:latest
Untagged: localhost:5000/alpinessh@sha256:6dd671353d23fecf686007f64a20e191abe02ca2c47abd57b992a29796f870a1
Deleted: sha256:99d01761a4c3106fbc596e5667903fd68718932f35b252d8ddc64b73413778b8
Deleted: sha256:082a84b05a498a680200c87f37109974042c5ba16bf3b01f501d3a60340bad35
Deleted: sha256:87096cca4800113d5c1baeb0491cedf1c0e1bd083ac4eb714ff970894863a7cd
Deleted: sha256:9a32a625286036d099adc855d2363d3c39c19eca7834d235f32040342e6bc307
Deleted: sha256:d2c1864d200ef3f88444145068e6ed8ee579feede3cfb0463f3b79fd5e5a8a00
Deleted: sha256:80b1f701122568e0b458e801836b5001f5f6736a6b3bd9a2cc24a0ec3eba9bdd
Deleted: sha256:728a680b4df225f228c6e31eb544fc92ebc3b7782190c339d93d764a31cfbfa7
Deleted: sha256:fc14199f7ae2555f26293bb576db9c6cfef075ef0e00038c586550e1b8495f68
```

# Test pulling Image

- *docker pull localhost:5000/alpinessh*

```
$ docker pull localhost:5000/alpinessh   
Using default tag: latest  
latest: Pulling from alpinessh  
6c40cc604d8e: Already exists  
6e11a2ab7603: Pull complete  
e3f4398e2cf0: Pull complete  
Digest: sha256:6dd671353d23fecf686007f64a20e191abe02ca2c47abd57b992a29796f870a1  
Status: Downloaded newer image for localhost:5000/alpinessh:latest
```

# Stopping Local Registry

- To stop and remove local registry
  - *`docker stop registry && docker rm -v registry`*

```
$ docker stop registry && docker rm -v registry registry registry
```

