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?

-
-
- , ()

가 가

가

가

, 1960 가

- 가
- cgroups namespaces가

OS

-
-
- OS ()

(push/pull)

github

API

Docker Hub

가 가

가

- , , 가 가
- 가 ()

, ,

(push/pull)

(aufs, btrfs, devicemapper)

docker hub

-
- IDC
-

가 가

가

Immutable Infrastructure

Immutable Infrastructure

OS (, ,)

(Immutable)

가 ,

Immutable Infrastructure

- -
 -
-
- - (Auto Scaling)
-
- PC,
 - 가

가

- 가 (Lightweight)가 (Portable)

Immutable Infrastructure

() ()
(Docker) .

Windows

- Windows Boot2Docker Docker
- URL docker-install.exe
- <https://github.com/boot2docker/windows-installer/releases>
- 가 docker-install.exe
- Next

- docker < >
- root

search

docker search < >

- Docker Hub(<https://registry.hub.docker.com>)가
- (Redis, Nginx) Docker Hub
- Docker Hub

pull

docker pull < >:< >

- Docker hub

[snippet.sh](#)

```
sudo docker pull ubuntu:latest
```

run

docker run < > < > < >

- bash

[snippet.sh](#)

```
sudo docker run -i -t --name hello ubuntu /bin/bash
```

- ubuntu ubuntu /bin/bash
- -i(interactive), -t(pseudo-tty) Bash 가
- -name . 가

ps

docker ps

-

[snippet.bash](#)

```
sudo docker ps -a
```

- -a
-

start

docker start < >

-

[snippet.bash](#)

```
sudo docker start hello
```

restart

```
docker restart < >
```

- OS

[snippet.bash](#)

```
sudo docker restart hello
```

exec

```
docker exec < > < > < >
```

- 가 /bin/bash
- /bin/bash

[snippet.bash](#)

```
sudo docker exec hello echo "Hello World"
```

- id
- 가

stop

```
docker stop < >
```

rm

```
docker rm < >
```

-

[snippet.bash](#)

```
sudo docker rm hello
```

rmi

```
docker rmi <image_id> >:<tag> >
```

-

[snippet.bash](#)

```
sudo docker rmi ubuntu:latest
```

Dockerfile

-
- Dockerfile

example

example

[snippet.bash](#)

```
mkdir example
cd example
```

[snippet.bash](#)

```
FROM ubuntu:14.04
MAINTAINER Foo Bar <foo@bar.com>

RUN apt-get update
RUN apt-get install -y nginx
RUN echo "\ndaemon off;" >> /etc/nginx/nginx.conf
RUN chown -R www-data:www-data /var/lib/nginx

VOLUME ["/data", "/etc/nginx/site-enabled", "/var/log/nginx"]

WORKDIR /etc/nginx

CMD ["nginx"]

EXPOSE 80
EXPOSE 443
```

build

`docker build < > <Dockerfile >`

- Dockerfile
- Dockerfile example

snippet.bash

```
sudo docker build --tag hello:0.1
```

snippet.bash

```
sudo docker run --name hello-nginx -d -p 80:80 -v /root/data:/data
hello:0.1
```

- -d
- -p 80:80 80 80
- -v /root/data:/data /root/data /data

Boot2Docker, boot2Docker 가 IP
nginx .

Links

- , <https://docs.docker.com/engine/reference/commandline/cli>
- , <https://docs.docker.com>

- <http://www.slideshare.net/pyrasis/docker-fordummies-44424016>
- <http://www.pyrasis.com/private/2014/11/30/publish-docker-for-the-really-impatient-book>
- https://docs.google.com/document/d/1-yNddpgu71tbFaupqrOrQ23xv8SV_6Y_8OfokPuEQTk/edit

docker,, ,,

From:
<https://jace.link/> - Various Ways

Permanent link:
<https://jace.link/open/docker>

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