<http://www.pyrasis.com/private/2014/11/30/publish-docker-for-the-really-impatient-book>

Docker 설치

# sudo apt update

# sudo apt upgrade

# sudo apt install docker.io

# docker -v

# sudo reboot

웹브라우저

<https://hub.docker.com/>

# sudo bash

# docker pull ubuntu

root@ip-172-31-11-221:~# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 93fd78260bd1 28 hours ago 86.2MB

root@ip-172-31-11-221:~#

docker run -i -t --name first-ubuntu ubuntu:latest /bin/bash

apt update

apt install apache2

service apache2 status

\* apache2 is not running

exit

docker ps

docker ps -a

docker start first-ubuntu

docker exec first-ubuntu service apache2 start

docker attach first-ubuntu

service apache2 status

\* apache2 is running

exit

docker start first-ubuntu

docker stop first-ubuntu

docker rm first-ubuntu

docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

docker rmi ubuntu

docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

mkdir ubuntu-apache

cd ubuntu-apache

vim Dockerfile

FROM ubuntu:latest

MAINTAINER SeungHee Park <7510543@gmail.com>

RUN apt-get update

RUN apt-get upgrade -y

RUN apt-get install apache2 -y  
:wq

docker build --tag ubuntu-apache:0.1 .

docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu-apache 0.1 ae9abb1e9813 4 minutes ago 207MB

ubuntu latest 93fd78260bd1 28 hours ago 86.2MB

docker run -d -t --name second-ubuntu ubuntu-apache:0.1

docker exec second-ubuntu service apache2 start

docker exec -it second-ubuntu bash

exit

vim Dockerfile

FROM ubuntu:latest

MAINTAINER SeungHee Park <7510543@gmail.com>

RUN apt update

RUN apt upgrade -y

RUN apt install apache2 -y

CMD service apache2 start

cd /home/ubuntu/ubuntu-apache

vim Dockerfile

FROM ubuntu:latest

MAINTAINER ByoungSoo Park <jajangjajang@gmail.com>

RUN apt update

RUN apt upgrade -y

RUN apt install apache2 -y

CMD service apache2 start

:wq

docker build --tag ubuntu-apache:0.2 .

root@ip-172-31-11-221:~/ubuntu-apache# docker build --tag ubuntu-apache:0.2 .

Sending build context to Docker daemon 2.048kB

Step 1/6 : FROM ubuntu:latest

---> 93fd78260bd1

Step 2/6 : MAINTAINER ByoungSoo Park <jajangjajang@gmail.com>

---> Using cache

---> d5a587fe72b3

Step 3/6 : RUN apt update

---> Using cache

---> 595e73558e34

Step 4/6 : RUN apt upgrade -y

---> Using cache

---> 978886c9e5db

Step 5/6 : RUN apt install apache2 -y

---> Using cache

---> eef129c5ea07

Step 6/6 : CMD service apache2 start

---> Running in 895456099de6

Removing intermediate container 895456099de6

---> 9846232569ca

Successfully built 9846232569ca

Successfully tagged ubuntu-apache:0.2

root@ip-172-31-11-221:~/ubuntu-apache#

docker run -d -t --name third-ubuntu ubuntu-apache:0.2

docker logs third-ubuntu

\* Starting Apache httpd web server apache2 AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.3. Set the 'ServerName' directive globally to suppress this message

\*

vim Dockerfile

FROM ubuntu:latest

MAINTAINER SeungHee Park <7510543@gmail.com>

RUN apt update

RUN apt upgrade -y

RUN apt install apache2 -y

CMD service apache2 start && /bin/bash

:wq

docker build --tag ubuntu-apache:0.1 .

docker run -d -t --name third-ubuntu ubuntu-apache:0.1

docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3f8423b245d9 ubuntu-apache:0.3 "/bin/sh -c 'service…" 6 seconds ago Up 5 seconds apache-auto-start

201c6f9a2d93 ubuntu-apache:0.1 "/bin/bash" 36 minutes ago Up 36 minutes second-ubuntu

docker exec apache-auto-start service apache2 status

\* apache2 is running

docker logs apache-auto-start

\* Starting Apache httpd web server apache2 AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.3. Set the 'ServerName' directive globally to suppress this message

\*

docker 안에 있는 파일 호스트로 복사하기

**# docker cp apache-auto-start:/etc/apache2/apache2.conf ./**

**Docker 이미지 파일에서 변경된 파일 보기 ‘디프’**

# docker diff apache-auto-start

docker exec -ti apache-auto-start bash

# apt install nginx

# service nginx start

cd /etc/nginx/sites-available/

cp default www

vim www

server {

listen 80;

listen [::]:80;

root /var/www/html/www;

index index.html index.htm index.nginx-debian.html;

server\_name www.cleverguyz.com;

location / {

try\_files $uri $uri/ =404;

}

}

ln -s /etc/nginx/sites-available/www /etc/nginx/sites-enabled/

service nginx restart

cd /var/www/html/

mkdir www

cd www

vim index.html

WWW

:wq

cd /etc/nginx/sites-available/

cp www apache

cp ww nginx

vim apache

server {

listen 80;

listen [::]:80;

root /var/www/html/apache;

index index.html index.htm index.nginx-debian.html;

server\_name apache.cleverguyz.com;

location / {

try\_files $uri $uri/ =404;

}

}

vim nginx

server {

listen 80;

listen [::]:80;

root /var/www/html/nginx;

index index.html index.htm index.nginx-debian.html;

server\_name nginx.cleverguyz.com;

location / {

try\_files $uri $uri/ =404;

}

}

cd ../sites-enabled/

ln -s /etc/nginx/sites-available/apache ./

ln -s /etc/nginx/sites-available/nginx ./

service nginx restart

cd /var/www/html

mkdir apache

mkdir nginx

vim apache/index.html

Apache

vim nginx/index.html

Nginx

docker run -d -t -p 8000:80 --name apache ubuntu-apache:0.3

# netstat -tnlp

vim /etc/nginx/sites-available/apache

location / {

proxy\_pass http://localhost:8000;

}

service nginx restart

vim /etc/nginx/sites-available/nginx

location / {

proxy\_pass http://localhost:8010;

}

service nginx restart

cd /home/ubuntu/

mkdir ubuntu-nginx

cd ubuntu-nginx

vim Dockerfile

FROM ubuntu:latest

MAINTAINER SeungHee Park <7510543@gmail.com>

RUN apt update

RUN apt upgrade -y

RUN apt install nginx -y

CMD service nginx start && /bin/bash

docker build --tag ubuntu-nginx:0.1 .

docker run -d -t -p 8010:80 --name nginx ubuntu-nginx:0.1

docker exec -ti apache bash

apt install php

apt install vim

cd /var/www/html

rm index.html

vim index.php

<?php

echo $\_SERVER['SERVER\_ADDR'];

echo '\_';

echo date('h:i:s');

?>

:wq

service apache2 restart

exit

docker commit apache ubuntu-apache:0.4

docker stop apache

docker rm apache

docker run -dt -p 8000:80 --name apache-php ubuntu-apache:0.4

cd /etc/nginx/sites-available/

vim https-redirect

server {

listen 9000 default\_server;

listen [::]:9000 default\_server;

server\_name \_;

return 301 https://$host$request\_uri;

}

:wq

cd ../sites-enabled/

ln -s /etc/nginx/sites-available/https-redirect ./

대상그룹 생성

