?? LAMP

????:

- CentOS 5.x
- PHP 5.1.x

> mkdir ~/my_docker
> cd ~/my_docker
> git clone https://github.com/a-lang/Docker_centos5-lamp_php51.git
> cd Docker_centos5-lamp_php51
> docker build -t alang/centos5-lamp_php51 .

TIP:

Dockerfile ? EXPOSE ?????? 80 port ????? rsync 873 port???????

Image ???????? docker images ???????? image?

?? image

> docker run -t -i alang/centos5-lamp_php51

TIPs:

- ?? Ctrl+P, Ctrl+Q ???? container ?? host?????? container?

- ?? docker attach <container-id> ?????? container ? console?

????? image
????

container> rm -f /etc/localtime
container> ln -s /usr/share/zoneinfo/Asia/Taipei /etc/localtime

?? Ctrl+P, Ctrl+Q ?? container????????? image ?????

> docker ps
> docker commit <container-id> <image-name>

TIP:

?? image ?????????? image-name ?? v1?

?? Mono + Mindtouch Image

????:

- LAMP
- Mono 2.10.8
- Mindtouch 10.1.4

> cd ~/my_docker
> git clone https://github.com/a-lang/Docker_mindtouch1014.git
> cd Docker_mindtouch1014
> docker build -t alang/mindtouch1014 .

?????

?? images

> docker run -t -i -v /dockerVol/osslab-wiki/host_shared:/host_shared \
-v /dockerVol/osslab-wiki/var_lib_mysql:/var/lib/mysql \
alang/mindtouch1014

?? MySQL root ??

container> mysqladmin -u root password 'your-pass'

?? Ctrl+P, Ctrl+Q ?? container??? image v1

> docker ps
> docker commit <container-id> alang/mindtouch1014:v1

?? container

> docker ps
> docker stop <container-id>

????????

?????????

- /etc/dekiwiki/mindtouch.deki.startup.xml
- /etc/dekiwiki/mindtouch.host.conf
- wikidb.sql (??????)
- html.tgz (/var/www/dekiwiki/ ???)

???????? host ? /dockerVol/osslab-wiki/host_shared ??

?? image

docker run -t -i \

```
-p 80:80 \
-p 10873:873 \
-v /dockerVol/osslab-wiki/host_shared:/host_shared \
-v /dockerVol/osslab-wiki/var_lib_mysql:/var/lib/mysql \
-v /dockerVol/osslab-wiki/var_www_dekiwiki:/var/www/dekiwiki/ \
alang/mindtouch1014:v1
```

?????

container:

```
> cp /host_shared/mindtouch.deki.startup.xml /etc/dekiwiki
> cp /host_shared/mindtouch.host.conf /etc/dekiwiki
```

?????

container:

```
mysql -u root -p

mysql> create database wikidb;
mysql> create user 'wikiuser'@'localhost' identified by 'db_pass';
mysql> grant all privileges on wikidb.* to 'wikiuser'@'localhost';
mysql> exit

cd /host_shared/
mysql -u wikiuser -p wikidb < wikidb.sql
```

TIP:

```
??????????? DB ?????
sed -n '/db-password/p' /host_shared/mindtouch.deki.startup.xml
```

????? html.tgz

container:

```
cd /var/www/
tar xzf /host_shared/html.tgz
chown -R dekiwiki:apache /var/www/dekiwiki
```

?? Dekiwiki ??

container:

```
service dekiwiki start
```

??????????????????????:
?? /opt/startup.sh
????????

service dekiwiki start

?? Ctrl+P, Ctrl+Q ?? container

???? container ?? v2 ?? image

host :

```
docker ps
docker commit <container-id> alang/mindtouch1014:v2
```

image ????

```
docker run -t -i \
-p 80:80 \
-p 10873:873 \
-v /dockerVol/osslab-wiki/host_shared:/host_shared \
-v /dockerVol/osslab-wiki/var_lib_mysql:/var/lib/mysql \
-v /dockerVol/osslab-wiki/var_www_dekiwiki:/var/www/dekiwiki/ \
alang/mindtouch1014:v2
```

????
?? Image v2 ????????????? v2 ?????

```
docker run -t -i \
-p 80:80 \
-p 10873:873 \
--name osslab-wiki \
-v /dockerVol/osslab-wiki/host_shared:/host_shared \
-v /dockerVol/osslab-wiki/var_lib_mysql:/var/lib/mysql \
-v /dockerVol/osslab-wiki/var_www_dekiwiki:/var/www/dekiwiki/ \
alang/mindtouch1014:v2
```

?? Ctrl+P, Ctrl+Q ?? container

```
docker ps
docker commit <container-id> alang/mindtouch1014
```

TIP:

    ?? image ?? : <tag> ????? latest?

?? --name ??? container ???????????