

????

- [Docerfile ??](#)

Dockerfile ??

FROM

?????? base ? image ?????? image ??? Local ? Docker Hub ???

FROM debian:jessie

MAINTAINER

???????

MAINTAINER Alang <alanghsu@gmail.com>

ENV

????

????? \${VARIABLE}

ENV DEKIWIKI_VERSION 10.0.8

RUN

????????????????/????????????

```

RUN export DEBIAN_FRONTEND=noninteractive && \
  apt-get update -y -q && \
  apt-get install -y -q --no-install-recommends \
  fail2ban \
  iptables \
  exim4 \
  bsd-mailx \
  whois \
  && rm -rf /var/lib/apt/lists/*

```

ADD

????????? image ?????????????

ADD docker-entrypoint.sh /usr/bin/entrypoint.sh

EXPOSE

?? container ?????????? port???? port ?????? container ?????????? host ?????? host ??????????
container ????? -p ??? port forward?

EXPOSE 80 443

COPY

???????????

COPY filter.d/ /etc/fail2ban/filter.d/
COPY action.d/ /etc/fail2ban/action.d/
COPY jail.local /etc/fail2ban/

CMD

?? container ??????????????
????????? container ??????????????????????????????

NOTE:

container ?? Linux ?????? VM ?????????????Linux ??? SysV ??? container ??????????????????????????????????????

?????

CMD ["/bin/bash"]

?????

CMD ["/bin/bash", "/opt/startup.sh"]

ENTRYPOINT

? CMD ??????????????????????

ENTRYPOINT ["/root/startup.sh"]

?? LAMP ????

?????

- ?????? CentOS 5 + PHP 5.1 ???

- ??? image ????????????????? MySQL ?????? container ?????????????????(NOTE: ????????????? Dockerfile ??????)

```
#> mkdir centos5-lamp_php51
#> cd centos5-lamp_php51/
```

?????? Dockerfile?startup.sh

Dockerfile?

```
#####
# Dockerfile to build LAMP with PHP 5.1.x container images
# Based on CentOS 5
#####
FROM centos:centos5
MAINTAINER A-Lang <alang.hsu@gmail.com>

RUN rpm --import http://mirror.centos.org/centos/RPM-GPG-KEY-CentOS-5
RUN yum -y update

RUN yum -y install mysql-server
RUN yum -y install httpd php php-mbstring php-mysql
RUN yum -y install wv links pdftohtml tidy html2ps

ADD ./startup.sh /opt/startup.sh
RUN chmod +x /opt/startup.sh
RUN echo "/opt/startup.sh" >> /etc/bashrc

EXPOSE 80 3306
CMD ["/bin/bash"]
```

startup.sh?

```
#!/usr/bin/env bash
#=====
#
# AUTHOR: A-Lang <alang.hsu@gmail.com>
#
#=====
echo "Starting mysql:"
service mysqld start
echo "Starting Apache:"
service httpd start
```

?? build image

```
#> docker build -t alang/centos5-lamp_php51 .
```

```
build ?????? Dockerfile ????????
```

```
?????? image?
```

```
#> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	VIRTUAL SIZE
alang/centos5-lamp_php51	latest	967949717d3f	19 minutes ago	717.8 MB
centos	centos5	192178b11d36	2 weeks ago	466.9 MB
ubuntu	latest	5506de2b643b	4 weeks ago	199.3 MB
ubuntu	12.04	0b310e6bf058	4 weeks ago	126.7 MB
ubuntu	13.10	195eb90b5349	5 months ago	184.7 MB

```
???? image ???? container
```

```
#> docker run -t -i alang/centos-lamp_php51
```

NOTE:

```
contaioner ?????????? console????????????? container????? Ctrl P ???? Ctrl Q????????? host?
```

```
? host ?????????????? container????? docker attach <container-ID>
```

```
???? daemon ???? container
```

```
#> docker run -d -t alang/centos-lamp_php51
```

NOTE:

```
????????????????????? docker attach ??? container console??????
```

```
docker exec -it <container-id> /bin/bash
```

```
?? container ????
```

```
#> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
8e7cae94770e	alang/centos5-lamp_php51:latest	"/bin/bash"	About an hour ago	Up About an hour
80/tcp, 3306/tcp	sharp_perlman			

```
?????
```

```
Dockerfile ??
```

- <https://github.com/komljen/dockerfile-examples>
- <https://github.com/dockerfile/nginx/...ter/Dockerfile>

Dockerfile ??

- <http://docs.docker.com/reference/builder/>