## ??

??? Docker ? Log ???????? container ??? Log ??? stdout ? stderr ???????? Docker ????/???? container ? Log ? ??

## ?? Container ? Log

? Nginx ????????? Log ?????? stdout ? stderr ??? Dockerfile ??

```
...
RUN \
    # Forward request and error logs to docker log collector
    && ln -sf /dev/stdout /var/log/nginx/access.log \
    && ln -sf /dev/stderr /var/log/nginx/error.log
...
```

? Mariadb ??????????? /etc/mysq/mariadb.conf.d/db-log.cnf

```
[mysqld]
 log_error = /dev/stdout
```

## ?? Containers Log

???? container ??????????? container(? service) ? Log?

```
# docker logs --tail 50 <container-name>
# docker-compose logs --tail 50 <service-name>
```

## ?? Docker Logs ????

???: docker-compose.yml

?????????? container log

```
services:
  web:
    image: nginx:latest
    links:
      - php
    ports:
      - "80:80"
      - "443:443"
    volumes:
      - ./web/etc_nginx/conf.d:/etc/nginx/conf.d
      - ./web/etc_nginx/ssl:/etc/nginx/ssl
    volumes_from:
      - php
    logging:
      driver: "json-file"
      options:
```

```
      max-size: "10m"
      max-file: "3"
```

???: ?? Host ?? Logrotate ??

????????? containers log?

/etc/logrotate.d/docker-containers

```
/var/lib/docker/containers/*/*.log {
    rotate 31
    daily
    nocompress
    missingok
    notifempty
    copytruncate
}
```