

# 事前準備手順1

```
kali@kali:~$ git clone https://github.com/TakashimotoJapan/MGT202202
Cloning into 'MGT202202'...
remote: Enumerating objects: 64, done.
...
```

```
kali@kali:~$ cd MGT202202
kali@kali:~/MGT202202$ ls
RCE  SQL
```

```
kali@kali:~/MGT202202$ cd RCE
kali@kali:~/MGT202202/RCE$ ls
Dockerfile  composer.json  composer.lock  eval.php  exploit1.php  exploit.php  index.php  php.ini
vendor
kali@kali:~/MGT202202/RCE$ sudo docker build --no-cache -t php-fpm .
[sudo] kali のパスワード:
Sending build context to Docker daemon 92.16kB
Step 1/4 : FROM php:7.2-fpm
--> 28f52b60203d
...
```

イメージのビルド (5分ほど)

## 事前準備手順2

```
kali@kali:~/MGT202202/RCE$ cd ../SQL/
```

```
kali@kali:~/MGT202202/SQL$ ls  
db docker-compose.yml mysql.bak python
```

```
kali@kali:~/MGT202202/SQL$ sudo docker-compose build --no-cache
```

```
db uses an image, skipping
```

```
Building ap
```

```
Sending build context to Docker daemon 13.82kB
```

```
Step 1/16 : FROM python:3.5.2
```

```
----> 432d0c6d4d9a
```

```
...
```

イメージのビルド (5分ほど)

```
kali@kali:~/MGT202202/SQL$ sudo docker-compose up
```

```
Creating network "sql_app_net" with driver "bridge"
```

```
Creating app_db ... done
```

```
Creating app_ap ... done
```

```
...
```

起動 (5分ほど)

## 事前準備手順3（別端末で）

```
kali@kali:~$ cd MGT202202/  
.git/ RCE/ SQL/
```

```
kali@kali:~$ cd MGT202202/SQL/
```

```
kali@kali:~/MGT202202/SQL$ ls  
db docker-compose.yml mysql.bak python
```

```
kali@kali:~/MGT202202/SQL$ sudo docker ps
```

起動確認

```
[sudo] kali のパスワード:
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
d06428881b31	sql_ap	"/usr/local/bin/pyth..."	About a minute ago	Up	About a minute
0.0.0.0:8080->8080/tcp		app_ap			
f1e37632a4e0	mariadb	"docker-entrypoint.s..."	About a minute ago	Up	About a minute
0.0.0.0:3306->3306/tcp, :::3306->3306/tcp		app_db			

```
kali@kali:~/MGT202202/SQL$ sudo docker-compose down
```

```
Stopping app_ap ... done
```

```
Stopping app_db ... done
```

```
Removing app_ap ... done
```

```
Removing app_db ... done
```

```
Removing network sql_app_net
```

```
kali@kali:~/MGT202202/SQL$
```

停止