

# django+mysql部署

ref:

<https://docs.docker.com/samples/django/>

需要稍微該下數據庫的類型,

## 問題:

### Q1.數據庫無法啓動

現象:

```
[ERROR] [MY-011087] Different lower_case_table_names settings for server ('1')
```

原因:mysql8.0+的data dictionary問題,

ref:

<https://blog.csdn.net/vkingnew/article/details/80613043>

解決方法:進入容器,並刪除對應的db文件即可;

```
rm -rf /code/db_data
```

### Q2.web無法鏈接DB

現象:

```
web_1      return Connection(*args, **kwargs)
web_1      File "/usr/local/lib/python3.9/site-packages/MySQLdb/connections.py", line 185, in __init__
web_1      super().__init__(*args, **kwargs2)
web_1      django.db.utils.OperationalError: (2002, "Can't connect to MySQL server on 'db' (115)")
db_1       2021-12-01T00:10:46.655711Z 0 [Warning] [MY-013766] [Server] A deprecated TLS version TLSv1 is enabled for channel mysql main
```

原因:可能是之前dockerfile的改動未同步到web上

解決方法:重啓webserver

#### 1.先找到對應的容器

假設webserver的容器時這個myproject\_web\_1

CONTAINER ID	IMAGE	NAMES	COMMAND	CREATED	STATUS	PORTS
cb9d5d722cc4	mysql	naughty_haslett	"docker-entrypoint.s..."	38 minutes ago	Up 38 minutes	3306/tcp, 33060/tcp
dfdf70a94f48	myproject_web	myproject_web_1	"python manage.py ru..."	40 minutes ago	Up 29 minutes	0.0.0.0:8000→8000/tcp, :::8000-8000/tcp
c0c686c4ac10	mysql	myproject_db_1	"docker-entrypoint.s..."	40 minutes ago	Up 40 minutes	0.0.0.0:3306→3306/tcp, :::3306-3306/tcp
>3306/tcp, 33060/tcp						
d18e199d6d52	andresriancho/w3af:latest	gallant_fermat	"/usr/sbin/sshd -D"	2 months ago	Exited (0) 5 weeks ago	
c47b9dd489b7	mikesplain/openvas	openvas	"/bin/sh -c /start"	2 months ago	Exited (137) 7 weeks ago	

#### 2.重啓webserver

```
docker restart myproject_web_1
```

### Q3:文章編輯頁面和注冊頁面出錯

現象:

```
web_1      return self.cursor.execute(query, args)
web_1      File "/usr/local/lib/python3.9/site-packages/MySQLdb/cursors.py", line 206, in execute
web_1      res = self._query(query)
web_1      File "/usr/local/lib/python3.9/site-packages/MySQLdb/cursors.py", line 319, in _query
web_1      db.query(q)
web_1      File "/usr/local/lib/python3.9/site-packages/MySQLdb/connections.py", line 254, in query
web_1      _mysql.connection.query(self, query)
web_1      django.db.utils.ProgrammingError: (1146, "Table 'newblog.article_articlepost' doesn't exist")
web_1      [04/Dec/2021 09:33:02] "GET /article/ArticleList HTTP/1.1" 500 214663
web_1      [04/Dec/2021 09:33:33] "GET /admin/ HTTP/1.1" 302 0
```

原因:數據庫沒有遷移

解決方法:遷移數據

```
cd /code &&python3 manage.py makemigrations &&python3 manage.py migrate
```

## Q4:無法直接創建文章?

現象:

```
2021-12-04T10:30:35.378930894Z [04/Dec/2021 10:30:35] "GET /static/bootstrap/bootstrap.min.js HTTP/1.1" 200 1835
2021-12-04T10:30:37.801756005Z Internal Server Error: /article/ArticleEdit
2021-12-04T10:30:37.801801553Z Traceback (most recent call last):
2021-12-04T10:30:37.801810960Z   File "/usr/local/lib/python3.9/site-packages/django/core/handlers/exception.py", line 47, in inner
2021-12-04T10:30:37.801815721Z     response = get_response(request)
2021-12-04T10:30:37.801819726Z   File "/usr/local/lib/python3.9/site-packages/django/core/handlers/base.py", line 181, in _get_response
2021-12-04T10:30:37.801823750Z     response = wrapped_callback(request, *callback_args, **callback_kwargs)
2021-12-04T10:30:37.801827719Z   File "/code/article/views.py", line 52, in ArticleEdit
2021-12-04T10:30:37.801831639Z     author=User.objects.get(id=1) #严格来说应该是校验用户的id
2021-12-04T10:30:37.801836592Z   File "/usr/local/lib/python3.9/site-packages/django/db/models/manager.py", line 85, in manager_method
2021-12-04T10:30:37.801840477Z     return getattr(self.get_queryset(), name)(*args, **kwargs)
2021-12-04T10:30:37.801844376Z   File "/usr/local/lib/python3.9/site-packages/django/db/models/query.py", line 435, in get
2021-12-04T10:30:37.801848273Z     raise self.model.DoesNotExist(
2021-12-04T10:30:37.801852207Z     django.db.models.exceptions.DoesNotExist: User matching query does not exist.
```

原因:沒有id=1的用戶(默認創建文章的用戶),

解決方案:

方案1.注册superuser

方案2.直接注册

## 其他一些小問題:

1.沒有超級用戶請自行注册