一些问题及其解决(主要是端口占用问题)

ubuntu下mysql登陆问题

　　这里有解决办法

unknown databases问题

```
(bbs-env) root@richardhu-virtual-machine:/srv/bbs# ls
 app.py exts.py PEP8_notes.txt README.md static utils
 apps manage.py __pycache__ requirements.txt tasks.py
 config.py migrations README.en.md 'some points.txt' templates
(bbs-env) root@richardhu-virtual-machine:/srv/bbs# pip install -r requirements.txt
Collecting alembic==1.3.1
  Downloading https://files.pythonhosted.org/packages/84/64/493c45119dce700a4b9eeecc4
      |████████████████████████████| 1.1MB 24.9MB/s
Collecting amqp==2.5.2
  Downloading https://files.pythonhosted.org/packages/fc/a0/6aa2a7923d4e82dda23db2771
      |████████████████████████████| 51kB 3.0MB/s
Collecting aniso8601==8.0.0
  Downloading https://files.pythonhosted.org/packages/eb/e4/787e104b58eadc1a710738d4e
      |████████████████████████████| 51kB 673kB/s
Collecting billiard==3.6.1.0
  Downloading https://files.pythonhosted.org/packages/9a/bb/2a016ac912fca48e06ff5a662
      |████████████████████████████| 92kB 2.4MB/s
Collecting blinker==1.4
  Downloading https://files.pythonhosted.org/packages/1b/51/e2a9f3b757eb802f61dc1f2b0
      |████████████████████████████| 112kB 421kB/s
Collecting celery==4.4.0
  Downloading https://files.pythonhosted.org/packages/47/53/6e2ccc87b18ddc582d2de31b3
      |████████████████████████████| 430kB 1.5MB/s
Collecting certifi==2019.11.28
  Downloading https://files.pythonhosted.org/packages/b9/63/df50cac98ea0d5b006c55a399
      |████████████████████████████| 163kB 287kB/s
Collecting chardet==3.0.4
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4bb
      |████████████████████████████| 143kB 293kB/s
Collecting Click==7.0
  Downloading https://files.pythonhosted.org/packages/fa/37/45185cb5abbc30d7257104c43
      |████████████████████████████| 81kB 443kB/s
Collecting Flask==1.1.1
  Downloading https://files.pythonhosted.org/packages/9b/93/628509b8d5dc749656a9641f4
      |████████████████████████████| 102kB 128kB/s
Collecting Flask-Mail==0.9.1
  Downloading https://files.pythonhosted.org/packages/05/2f/6a545452040c2556559779db8
```

```
38          |████████████████████████████| 51kB 268kB/s
39 Collecting Flask-Migrate==2.5.2
40   Downloading https://files.pythonhosted.org/packages/4b/22/d20a105f13c58fe590ef38ac5
41 Collecting flask-paginate==0.5.5
42   Downloading https://files.pythonhosted.org/packages/a2/5a/133889485b67440d0bddbead5
43 Collecting Flask-RESTful==0.3.7
44   Downloading https://files.pythonhosted.org/packages/17/44/6e490150ee443ca81d5f88b61
45 Collecting Flask-Script==2.0.6
46   Downloading https://files.pythonhosted.org/packages/00/a4/cd587b2b19f043b65bf33ceda
47          |████████████████████████████| 51kB 152kB/s
48 Collecting Flask-SQLAlchemy==2.4.1
49   Downloading https://files.pythonhosted.org/packages/1e/65/226d95466c75e34e291a76890
50 Collecting Flask-WTF==0.14.2
51   Downloading https://files.pythonhosted.org/packages/60/3a/58c629472d10539ae5167dc7c
52 Collecting idna==2.8
53   Downloading https://files.pythonhosted.org/packages/14/2c/cd551d81dbe15200be1cf41cd
54          |████████████████████████████| 61kB 199kB/s
55 Collecting importlib-metadata==1.3.0
56   Downloading https://files.pythonhosted.org/packages/e9/71/1a1e0ed0981bb6a67bce55a21
57 Collecting itsdangerous==1.1.0
58   Downloading https://files.pythonhosted.org/packages/76/ae/44b03b253d6fade317f32c24d
59 Collecting Jinja2==2.10.3
60   Downloading https://files.pythonhosted.org/packages/65/e0/eb35e762802015cab1ccee04e
61          |████████████████████████████| 133kB 90kB/s
62 Collecting kombu==4.6.7
63   Downloading https://files.pythonhosted.org/packages/96/94/b899b1d962f6b9ca0171a4796
64          |████████████████████████████| 184kB 51kB/s
65 Collecting Mako==1.1.0
66   Downloading https://files.pythonhosted.org/packages/b0/3c/8dcd6883d009f7cae0f3157fb
67          |████████████████████████████| 471kB 26kB/s
68 Collecting MarkupSafe==1.1.1
69   Downloading https://files.pythonhosted.org/packages/b2/5f/23e0023be6bb885d00ffbefad
70 Collecting more-itertools==8.0.2
71   Downloading https://files.pythonhosted.org/packages/68/03/0604cec1ea13c9f063dd50f90
72          |████████████████████████████| 40kB 129kB/s
73 Collecting Pillow==6.2.1
74   Downloading https://files.pythonhosted.org/packages/10/5c/0e94e689de2476c4c5e644a3b
75          |████████████████████████████| 2.1MB 98kB/s
76 Collecting PyMySQL==0.9.3
77   Downloading https://files.pythonhosted.org/packages/ed/39/15045ae46f2a123019aa968df
78          |████████████████████████████| 51kB 100kB/s
79 Collecting python-dateutil==2.8.1
80   Downloading https://files.pythonhosted.org/packages/d4/70/d60450c3dd48ef87586924207
81          |████████████████████████████| 235kB 87kB/s
82 Collecting python-editor==1.0.4
83   Downloading https://files.pythonhosted.org/packages/c6/d3/201fc3abe391bbae6606e6f1d
```

```
84  Collecting python-memcached==1.59
85    Downloading https://files.pythonhosted.org/packages/f5/90/19d3908048f70c120ec66a39e
86  Collecting pytz==2019.3
87    Downloading https://files.pythonhosted.org/packages/e7/f9/f0b53f88060247251bf481fa6
88        |████████████████████████████████| 512kB 33kB/s
89  Collecting qiniu==7.2.6
90    Downloading https://files.pythonhosted.org/packages/0c/43/069ab7f8ebca63b1764162288
91  Collecting redis==3.3.11
92    Downloading https://files.pythonhosted.org/packages/32/ae/28613a62eea0d53d3db3147f8
93        |████████████████████████████████| 71kB 44kB/s
94  Collecting requests==2.22.0
95    Downloading https://files.pythonhosted.org/packages/51/bd/23c926cd341ea6b7dd0b2a00a
96        |████████████████████████████████| 61kB 92kB/s
97  Collecting shortuuid==0.5.0
98    Downloading https://files.pythonhosted.org/packages/80/d7/2bfc9332e68d3e15ea97b9b15
99  Collecting six==1.13.0
100   Downloading https://files.pythonhosted.org/packages/65/26/32b8464df2a97e6dd1b656ed2
101 Collecting SQLAlchemy==1.3.11
102   Downloading https://files.pythonhosted.org/packages/34/5c/0e1d7ad0ca52544bb12f9cb8d
103       |████████████████████████████████| 6.0MB 63kB/s
104 Collecting urllib3==1.25.7
105   Downloading https://files.pythonhosted.org/packages/b4/40/a9837291310ee1ccc242ceb6e
106       |████████████████████████████████| 133kB 33kB/s
107 Collecting vine==1.3.0
108   Downloading https://files.pythonhosted.org/packages/7f/60/82c03047396126c8331ceb64d
109 Collecting Werkzeug==0.16.0
110   Downloading https://files.pythonhosted.org/packages/ce/42/3aeda98f96e85fd26180534d3
111       |████████████████████████████████| 327kB 31kB/s
112 Collecting wtf==0.1
113   Downloading https://files.pythonhosted.org/packages/41/a6/ebdb36bf9caefdf96f1b2382a
114 Collecting WTForms==2.2.1
115   Downloading https://files.pythonhosted.org/packages/9f/c8/dac5dce9908df1d9d48ec0e26
116       |████████████████████████████████| 174kB 21kB/s
117 Collecting zipp==0.6.0
118   Downloading https://files.pythonhosted.org/packages/74/3d/1ee25a26411ba0401b43c6376
119 Building wheels for collected packages: alembic, blinker, Flask-Mail, Flask-Script, M
120   Building wheel for alembic (setup.py) ... done
121   Created wheel for alembic: filename=alembic-1.3.1-py2.py3-none-any.whl size=144523
122   Stored in directory: /root/.cache/pip/wheels/b2/d4/19/5ab879d30af7cbc79e6dcc1d42179
123   Building wheel for blinker (setup.py) ... done
124   Created wheel for blinker: filename=blinker-1.4-cp36-none-any.whl size=13449 sha256
125   Stored in directory: /root/.cache/pip/wheels/92/a0/00/8690a57883956a301d91cf4ec999c
126   Building wheel for Flask-Mail (setup.py) ... done
127   Created wheel for Flask-Mail: filename=Flask_Mail-0.9.1-cp36-none-any.whl size=7569
128   Stored in directory: /root/.cache/pip/wheels/eb/aa/d9/34b8f2f9bce7d06a4d07fd4607877
129   Building wheel for Flask-Script (setup.py) ... done
```

```
130    Created wheel for Flask-Script: filename=Flask_Script-2.0.6-cp36-none-any.whl size=
131    Stored in directory: /root/.cache/pip/wheels/1c/17/70/4598e6dba4bec58c1b59552c64092
132    Building wheel for Mako (setup.py) ... done
133    Created wheel for Mako: filename=Mako-1.1.0-cp36-none-any.whl size=75363 sha256=917
134    Stored in directory: /root/.cache/pip/wheels/98/32/7b/a291926643fc1d1e02593e0d9e247
135    Building wheel for qiniu (setup.py) ... done
136    Created wheel for qiniu: filename=qiniu-7.2.6-cp36-none-any.whl size=33362 sha256=e
137    Stored in directory: /root/.cache/pip/wheels/6a/01/74/3fd424d2f70e31575d66f04821947
138    Building wheel for shortuuid (setup.py) ... done
139    Created wheel for shortuuid: filename=shortuuid-0.5.0-cp36-none-any.whl size=5499 s
140    Stored in directory: /root/.cache/pip/wheels/3f/eb/fd/69e5177f67b505e44acbd1aedfbe4
141    Building wheel for SQLAlchemy (setup.py) ... done
142    Created wheel for SQLAlchemy: filename=SQLAlchemy-1.3.11-cp36-cp36m-linux_x86_64.wh
143    Stored in directory: /root/.cache/pip/wheels/a3/67/7d/6c41104a1a08ff1a25e260d3edec3
144    Building wheel for wtf (setup.py) ... done
145    Created wheel for wtf: filename=wtf-0.1-cp36-none-any.whl size=3652 sha256=70de9b6a
146    Stored in directory: /root/.cache/pip/wheels/2d/5d/6d/355f9d42f801debc91bc18f959240
147 Successfully built alembic blinker Flask-Mail Flask-Script Mako qiniu shortuuid SQLAl
148 Installing collected packages: SQLAlchemy, MarkupSafe, Mako, python-editor, six, pyth
149 Successfully installed Click-7.0 Flask-1.1.1 Flask-Mail-0.9.1 Flask-Migrate-2.5.2 Fla
150
```

一些问题及其解决(主要是端口占用问题)

```
1  (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# lsof -i :5000
2  (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# python app.py
3   * Serving Flask app "app" (lazy loading)
4   * Environment: production
5     WARNING: This is a development server. Do not use it in a production deployment.
6     Use a production WSGI server instead.
7   * Debug mode: on
8   * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
9   * Restarting with stat
10  * Debugger is active!
11  * Debugger PIN: 286-328-502
12 ^Z
13
14
15 (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# lsof -i :5000
16 COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
17 python 20323 root 3u IPv4 162851 0t0 TCP ip6-localhost:5000 (LISTEN)
18 python 20327 root 3u IPv4 162851 0t0 TCP ip6-localhost:5000 (LISTEN)
19 python 20327 root 4u IPv4 162851 0t0 TCP ip6-localhost:5000 (LISTEN)
20 (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# kill -9 20323
```

```
21  (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# lsof -i :5000
22  [5]+ 已杀死  python app.py
23  (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# lsof -i :5000
```

```
41
42  if __name__ == '__main__':
43      app = create_app()
44      app.run(port=5000,host='0.0.0.0')
45
46  """
47  程序流程：
```

```
1 file changed, 1 insertion(+), 1 deletion(-)
(bbs-env) root@richardhu-virtual-machine:/srv/mybbs# python app.py
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 286-328-502
```

ubuntu下mysql登陆问题

```
1  root@richardhu-virtual-machine:/etc/mysql# mysql
2  ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
3
```

解决:

```
1  root@richardhu-virtual-machine:/etc/mysql# cd mysql.conf.d
2  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# ls
3  mysqld.cnf mysqld_safe_syslog.cnf
4  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# vim mysqld.cnf
5
```

```
#log-queries-not-using-indexes
#
# The following can be used as easy to replay backup logs or for replication.
# note: if you are setting up a replication slave, see README.Debian about
#       other settings you may need to change.
#server-id              = 1
#log_bin                        = /var/log/mysql/mysql-bin.log
expire_logs_days        = 10
max_binlog_size    = 100M
#binlog_do_db           = include_database_name
#binlog_ignore_db       = include_database_name
#
# * InnoDB
#
# InnoDB is enabled by default with a 10MB datafile in /var/lib/mysql/.
# Read the manual for more InnoDB related options. There are many!
#
# * Security Features
#
# Read the manual, too, if you want chroot!
# chroot = /var/lib/mysql/
#
# For generating SSL certificates I recommend the OpenSSL GUI "tinyca".
#
# ssl-ca=/etc/mysql/cacert.pem
# ssl-cert=/etc/mysql/server-cert.pem
# ssl-key=/etc/mysql/server-key.pem
skip-grant-tables
                                                                105,1
```

找到mysql的安装目录，我的是在/etc/mysql/mysql.conf.d ，该文件夹下有个mysqld.cnf文件(注意路径 `/etc/mysql/mysql.conf.d`)，使用管理员权限编辑：sudo vim mysqld.cnf，然后在文件最后一行加入：skip-grant-tables ，然后保存退出（大概就是跳过验证的意思吧）

然后需要重启mysql服务，重启命令有好几种，反正适合我的命令是：sudo systemctl restart mysql.service。

接下来用空密码进入mysql管理命令行，切换到mysql库，直接命令：mysql 回车即可进入mysql命令模式，然后就是修改下root密码（其他用户也一样，只是权限不一样），修改密码语句如下：

```
1  mysql> update mysql.user set authentication_string=password('newpass') where user='roo
2  Query OK, 1 row affected, 1 warning (2.47 sec)
3  Rows matched: 1 Changed: 1 Warnings: 1
4
5  mysql> flush privileges;
6  Query OK, 0 rows affected (0.09 sec)
7
8  mysql> exit
9  Bye
10
```

root@richardhu-virtual-machine: /etc/mysql/mysql.conf.d (ssh)

```
#log-queries-not-using-indexes
#
# The following can be used as easy to replay backup logs or for replication.
# note: if you are setting up a replication slave, see README.Debian about
#       other settings you may need to change.
#server-id              = 1
#log_bin                        = /var/log/mysql/mysql-bin.log
expire_logs_days        = 10
max_binlog_size    = 100M
#binlog_do_db           = include_database_name
#binlog_ignore_db       = include_database_name
#
# * InnoDB
#
# InnoDB is enabled by default with a 10MB datafile in /var/lib/mysql/.
# Read the manual for more InnoDB related options. There are many!
#
# * Security Features
#
# Read the manual, too, if you want chroot!
# chroot = /var/lib/mysql/
#
# For generating SSL certificates I recommend the OpenSSL GUI "tinyca".
#
# ssl-ca=/etc/mysql/cacert.pem
# ssl-cert=/etc/mysql/server-cert.pem
# ssl-key=/etc/mysql/server-key.pem
#skip-grant-tables
-- 插入 --                                                                    105,2
```

下一步便是把刚才我们改的mysqld.cnf文件，把刚才加入的那一行注释或者删除：skip-grant-tables ，保存退出。

我自己这里没删，因为发现删了之后又会出现上面那个错误

这里有解决办法

```
 1  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# mysql
 2  ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
 3  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# mysql -u root -p
 4  Enter password:
 5  ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
 6  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# vim mysqld.cnf
 7
 8
 9  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# mysql
10  ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
11  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# systemctl restart mysql.servi
12  root@richardhu-virtual-machine:/etc/mysql/mysql.conf.d# mysql
13  Welcome to the MySQL monitor. Commands end with ; or \g.
14
```

```
#log-queries-not-using-indexes
#
# The following can be used as easy to replay backup logs or for repli
# note: if you are setting up a replication slave, see README.Debian
#       other settings you may need to change.
#server-id              = 1
#log_bin                     = /var/log/mysql/mysql-bin.log
expire_logs_days          = 10
max_binlog_size    = 100M
#binlog_do_db              = include_database_name
#binlog_ignore_db          = include_database_name
#
# * InnoDB
#
# InnoDB is enabled by default with a 10MB datafile in /var/lib/mysql
# Read the manual for more InnoDB related options. There are many!
#
# * Security Features
#
# Read the manual, too, if you want chroot!
# chroot = /var/lib/mysql/
#
# For generating SSL certificates I recommend the OpenSSL GUI "tinyca
#
# ssl-ca=/etc/mysql/cacert.pem
# ssl-cert=/etc/mysql/server-cert.pem
# ssl-key=/etc/mysql/server-key.pem
skip-grant-tables
```

unknown databases问题

```
 1 mysql> show databases;
 2 +--------------------+
 3 | Database |
 4 +--------------------+
 5 | information_schema |
 6 | mysql |
 7 | performance_schema |
 8 | sys |
 9 +--------------------+
10 4 rows in set (0.98 sec)
11
12 mysql> create database zlbbs charset utf8;
13 Query OK, 1 row affected (0.35 sec)
14
15 mysql> show databases;
16 +--------------------+
17 | Database |
18 +--------------------+
19 | information_schema |
20 | mysql |
```

```
21  | performance_schema |
22  | sys |
23  | zlbbs |
24  +-------------------+
25  5 rows in set (0.01 sec)
```

注意此时还需要把数据库迁移过来

```
1   (bbs-env) root@richardhu-virtual-machine:/srv/mybbs# python manage.py db upgrade
2   INFO [alembic.runtime.migration] Context impl MySQLImpl.
3   INFO [alembic.runtime.migration] Will assume non-transactional DDL.
4   INFO [alembic.runtime.migration] Running upgrade -> 6f5a8c020ab4, empty message
5   INFO [alembic.runtime.migration] Running upgrade 6f5a8c020ab4 -> 08504da615b9, empty r
6   INFO [alembic.runtime.migration] Running upgrade 08504da615b9 -> 725375213f6e, empty r
7   INFO [alembic.runtime.migration] Running upgrade 725375213f6e -> d002dfa15693, empty r
8   INFO [alembic.runtime.migration] Running upgrade d002dfa15693 -> bcd1ceec0210, empty r
9   INFO [alembic.runtime.migration] Running upgrade bcd1ceec0210 -> f9d6a44c9f5d, empty r
10  INFO [alembic.runtime.migration] Running upgrade f9d6a44c9f5d -> 5deacd3d34d0, empty r
11  INFO [alembic.runtime.migration] Running upgrade 5deacd3d34d0 -> c5b238cda56e, empty r
12  INFO [alembic.runtime.migration] Running upgrade c5b238cda56e -> 6d63cee9a614, empty r
13  INFO [alembic.runtime.migration] Running upgrade 6d63cee9a614 -> b0eb726981df, empty r
14
15
16  mysql> show databases;
17  +-------------------+
18  | Database |
19  +-------------------+
20  | information_schema |
21  | mysql |
22  | performance_schema |
23  | sys |
24  | zlbbs |
25  +-------------------+
26  5 rows in set (0.01 sec)
27
28  mysql> show tables;
29  ERROR 1046 (3D000): No database selected
30  mysql> use zlbbs;
31  Reading table information for completion of table and column names
32  You can turn off this feature to get a quicker startup with -A
33
34  Database changed
35  mysql> show tables;
36  +-----------------+
37  | Tables_in_zlbbs |
```

```
+-----------------+
| alembic_version |
| banner |
| board |
| cms_role |
| cms_role_user |
| cms_user |
| comment |
| front_user |
| highlight_post |
| post |
+-----------------+
10 rows in set (0.01 sec)
```