uwsgi相关配置

```

root@richardhu-virtual-machine:/srv/mybbs# pip3 install uwsgi

Collecting uwsgi

  Downloading

https://files.pythonhosted.org/packages/e7/1e/3dcca007f974fe4eb369bf1b8629d5e342bb3055e2001b2e5340a

aefae7a/uwsgi-2.0.18.tar.gz (801kB)

|████████████████████████████████████████████████| 808kB 7.0kB/s

Building wheels for collected packages: uwsgi

  Building wheel for uwsgi (setup.py) ... done

  Created wheel for uwsgi: filename=uWSGI-2.0.18-cp36-cp36m-linux_x86_64.whl size=512222

sha256=91bbac70116dedbc9d5b49615b7f83ae2af43dc50a2f0d2a57a2fd168cd04908

  Stored in directory:

/root/.cache/pip/wheels/2d/0c/b0/f3ba1bbce35c3766c9dac8c3d15d5431cac57e7a8c4111c268

Successfully built uwsgi

Installing collected packages: uwsgi

Successfully installed uwsgi-2.0.18

root@richardhu-virtual-machine:/srv/mybbs#

```

uwsgi相关配置

```

root@richardhu-virtual-machine:/srv/mybbs# vim uwsgi.ini

```

uwsgi.ini内容:

```
[uwsgi]

# 必须全部为绝对路径
# 项目的路径
chdir           = /srv/mybbs/
# Django的wsgi文件
wsgi-file       = /srv/mybbs/app.py
# 回调的app对象
callable        = app
# Python虚拟环境的路径
home            = /root/.virtualenvs/bbs-env
```

```ini
# 进程相关的设置
# 主进程
master          = true
# 最大数量的工作进程
processes       = 10


http            = :8000


# 设置socket的权限
chmod-socket    = 666
# 退出的时候是否清理环境
vacuum          = true
```

```

### 运行

```

root@richardhu-virtual-machine:/srv/mybbs# uwsgi --ini uwsgi.ini

[uWSGI] getting INI configuration from uwsgi.ini

*** Starting uWSGI 2.0.18 (64bit) on [Mon Dec 30 22:37:28 2019] ***

compiled with version: 7.5.0 on 30 December 2019 14:19:24

os: Linux-5.0.0-37-generic #40~18.04.1-Ubuntu SMP Thu Nov 14 12:06:39 UTC 2019

nodename: richardhu-virtual-machine

machine: x86_64

clock source: unix

detected number of CPU cores: 1

current working directory: /srv/mybbs

detected binary path: /usr/local/bin/uwsgi

!!! no internal routing support, rebuild with pcre support !!!

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

chdir() to /srv/mybbs/

your processes number limit is 15402

your memory page size is 4096 bytes

detected max file descriptor number: 1024

```
lock engine: pthread robust mutexes

thunder lock: disabled (you can enable it with --thunder-lock)

uWSGI http bound on :5000 fd 4

uwsgi socket 0 bound to TCP address 127.0.0.1:35421 (port auto-assigned) fd 3

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

Python version: 3.6.9 (default, Nov 7 2019, 10:44:02) [GCC 8.3.0]

Set PythonHome to /root/.virtualenvs/bbs-env

*** Python threads support is disabled. You can enable it with --enable-threads ***

Python main interpreter initialized at 0x55eec24d65e0

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

your server socket listen backlog is limited to 100 connections

your mercy for graceful operations on workers is 60 seconds

mapped 801944 bytes (783 KB) for 10 cores

*** Operational MODE: preforking ***

WSGI app 0 (mountpoint='') ready in 1 seconds on interpreter 0x55eec24d65e0 pid: 22969 (default app)

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

*** uWSGI is running in multiple interpreter mode ***

spawned uWSGI master process (pid: 22969)

spawned uWSGI worker 1 (pid: 22973, cores: 1)

spawned uWSGI worker 2 (pid: 22974, cores: 1)

spawned uWSGI worker 3 (pid: 22975, cores: 1)

spawned uWSGI worker 4 (pid: 22976, cores: 1)

spawned uWSGI worker 5 (pid: 22977, cores: 1)

spawned uWSGI worker 6 (pid: 22978, cores: 1)

spawned uWSGI worker 7 (pid: 22979, cores: 1)

spawned uWSGI worker 8 (pid: 22980, cores: 1)

spawned uWSGI worker 9 (pid: 22981, cores: 1)

spawned uWSGI worker 10 (pid: 22982, cores: 1)

spawned uWSGI http 1 (pid: 22983)

```
```

Nginx相关配置

安装

```

root@richardhu-virtual-machine:/srv/mybbs# apt install nginx

正在读取软件包列表... 完成

正在分析软件包的依赖关系树

正在读取状态信息... 完成

正在选中未选择的软件包 libnginx-mod-http-image-filter。

正准备解包 .../2-libnginx-mod-http-image-filter_1.14.0-0ubuntu1.6_amd64.deb ...

正在解包 libnginx-mod-http-image-filter (1.14.0-0ubuntu1.6) ...

正在选中未选择的软件包 libnginx-mod-http-xslt-filter。

正准备解包 .../3-libnginx-mod-http-xslt-filter_1.14.0-0ubuntu1.6_amd64.deb ...

正在解包 libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.6) ...

正在选中未选择的软件包 libnginx-mod-mail。

正准备解包 .../4-libnginx-mod-mail_1.14.0-0ubuntu1.6_amd64.deb ...

正在解包 libnginx-mod-mail (1.14.0-0ubuntu1.6) ...

正在选中未选择的软件包 libnginx-mod-stream。

正准备解包 .../5-libnginx-mod-stream_1.14.0-0ubuntu1.6_amd64.deb ...

正在解包 libnginx-mod-stream (1.14.0-0ubuntu1.6) ...

正在选中未选择的软件包 nginx-core。

正准备解包 .../6-nginx-core_1.14.0-0ubuntu1.6_amd64.deb ...

正在解包 nginx-core (1.14.0-0ubuntu1.6) ...

正在选中未选择的软件包 nginx。

正准备解包 .../7-nginx_1.14.0-0ubuntu1.6_all.deb ...

正在解包 nginx (1.14.0-0ubuntu1.6) ...

正在处理用于 ufw (0.35-5) 的触发器 ...

正在处理用于 ureadahead (0.100.0-20) 的触发器 ...

正在设置 nginx-common (1.14.0-0ubuntu1.6) ...

Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service →
/lib/systemd/system/nginx.service.

正在设置 libnginx-mod-http-image-filter (1.14.0-0ubuntu1.6) ...

正在处理用于 systemd (237-3ubuntu10.29) 的触发器 ...

正在设置 libnginx-mod-mail (1.14.0-0ubuntu1.6) ...

正在处理用于 man-db (2.8.3-2ubuntu0.1) 的触发器 ...

正在设置 libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.6) ...

正在设置 libnginx-mod-http-geoip (1.14.0-0ubuntu1.6) ...

正在设置 libnginx-mod-stream (1.14.0-0ubuntu1.6) ...

正在设置 nginx-core (1.14.0-0ubuntu1.6) ...

正在设置 nginx (1.14.0-0ubuntu1.6) ...

正在处理用于 ureadahead (0.100.0-20) 的触发器 ...

正在处理用于 ufw (0.35-5) 的触发器 ...

#启动

root@richardhu-virtual-machine:/srv/mybbs# service nginx start

```


Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.

nginx配置

在`/etc/nginx/conf.d`目录下，新建一个文件，叫做mybbs.conf，然后将以下代码粘贴进去：

```

upstream mybbs{

    server unix:///srv/mybbs/mybbs.sock;

}


# 配置服务器

server {

    # 监听的端口号

    listen        80;

    # 域名(或者ip)

    server_name 172.16.134.138;

    #编码

    charset       utf-8;


    # 最大的文件上传尺寸

    client_max_body_size 75M;


    # 静态文件访问的url
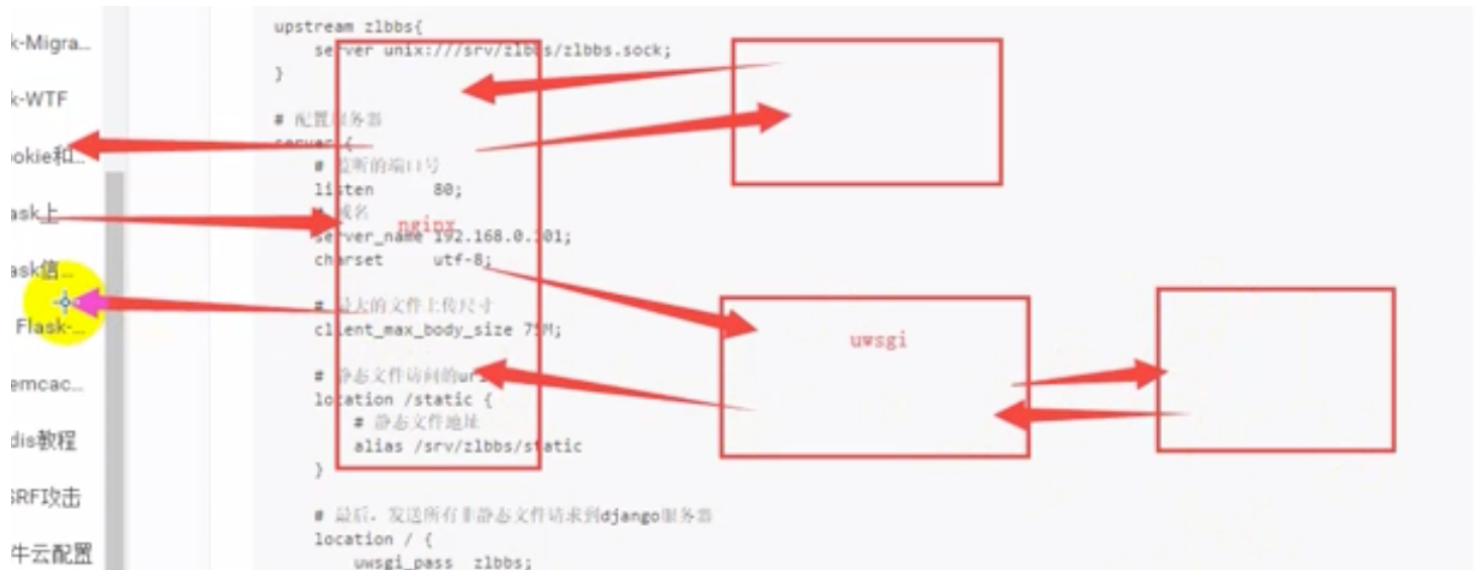
    location /static {
```

```
    # 静态文件地址

    alias /srv/mybbs/static;

  }


  # 最后，发送所有非静态文件请求到django(flask)服务器

  location / {

    uwsgi_pass  mybbs;
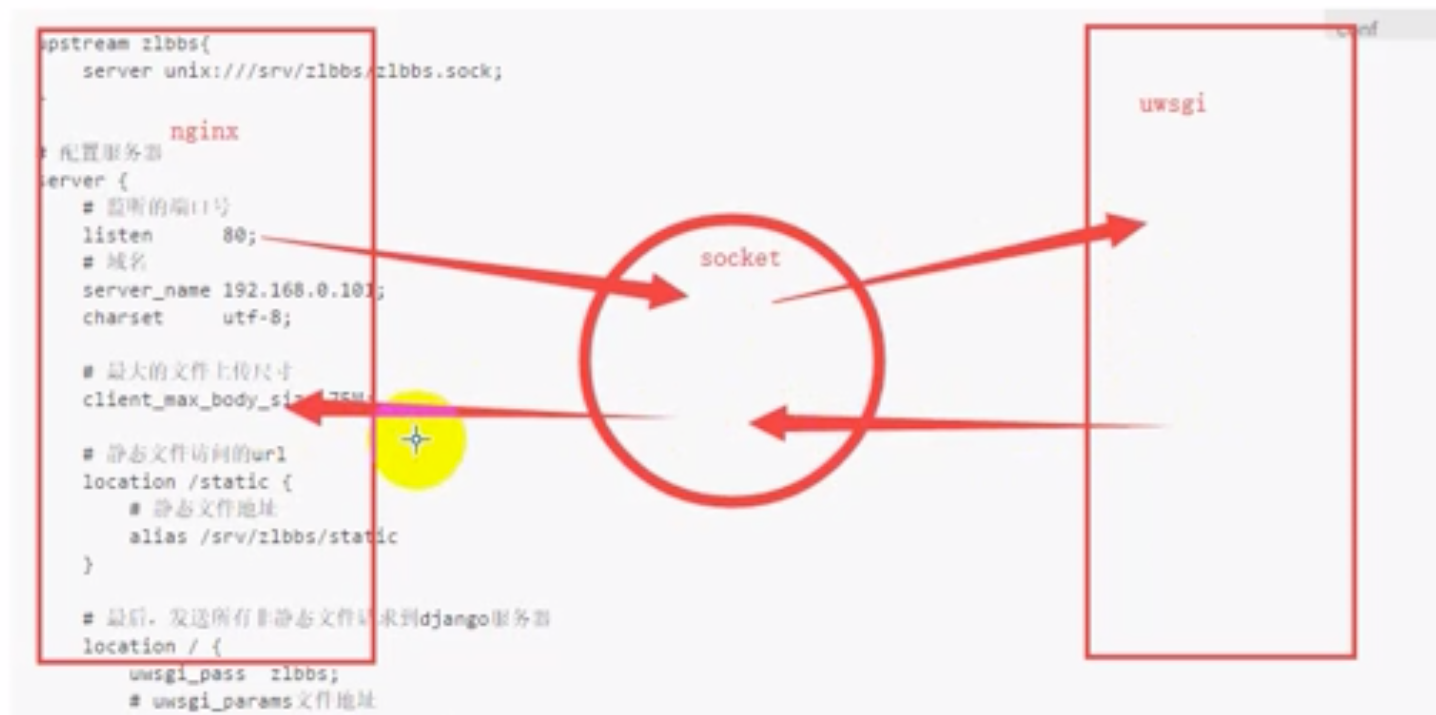
    # uwsgi_params文件地址

    include     /etc/nginx/uwsgi_params;

  }

}
```

```

添加配置文件：

在 /etc/nginx/conf.d 目录下，新建一个文件，叫做 zlbbs.conf ，然后将以下代码粘贴进去：



```

root@richardhu-virtual-machine:/srv/mybbs# cd /etc/nginx/conf.d

root@richardhu-virtual-machine:/etc/nginx/conf.d# pwd

/etc/nginx/conf.d

root@richardhu-virtual-machine:/etc/nginx/conf.d# ls

root@richardhu-virtual-machine:/etc/nginx/conf.d# touch mybbs.conf

root@richardhu-virtual-machine:/etc/nginx/conf.d# ls

mybbs.conf

root@richardhu-virtual-machine:/etc/nginx/conf.d# vim mybbs.conf

相关配置见上

```

重新配置修改uwsgi.ini

```

[uwsgi]

chdir = /srv/mybbs/

wsgi-file =/srv/mybbs/app.py

callable = app

home = /root/.virtualenvs/bbs-env

#进程相关设置
#主进程
master = true

#最大数量的工作进程
processes = 10

#http = :5000

#这里要与nginx对应
socket = /srv/mybbs/mybbs.sock

chmod-scoket = 666

vacuum = true

```

测试:

```

root@richardhu-virtual-machine:/srv/mybbs# service nginx configtest

 * Testing nginx configuration [OK]

```

### 出问题里(uwsgi那边修改了)

# 502 Bad Gateway

---

nginx/1.14.0 (Ubuntu)

记录:

uwsgi.ini

```

[uwsgi]

chdir = /srv/mybbs/

wsgi-file =/srv/mybbs/app.py

callable = app

home = /root/.virtualenvs/bbs-env

#进程相关设置
#主进程

master = true

#最大数量的工作进程

processes = 10

#http = :5000

socket = /srv/mybbs/mybbs.sock

#后面发现这里有问题

#chmod-scoket = 666

#这样是正确的

chmod-socket = 666

vacuum = true

```




nginx配置文件:

```

root@richardhu-virtual-machine:/srv/mybbs# cat /etc/nginx/conf.d/mybbs.conf

upstream mybbs{

   server unix:///srv/mybbs/mybbs.sock;

}

配置服务器

server {

   # 监听的端口号

   listen 80;

   # 域名(或者ip)

   server_name 172.16.134.138;

   #编码

   charset utf-8;

```nginx
    # 最大的文件上传尺寸
    client_max_body_size 75M;

    # 静态文件访问的url
    location /static {
        # 静态文件地址
        alias /srv/mybbs/static;
    }

    # 最后，发送所有非静态文件请求到django(flask)服务器
    location / {
        uwsgi_pass mybbs;
        # uwsgi_params文件地址
        include /etc/nginx/uwsgi_params;
    }
}{
    # 监听的端口号
    listen 80;
    # 域名(或者ip)
    server_name 172.16.134.138;
    #编码
    charset utf-8;

    # 最大的文件上传尺寸
    client_max_body_size 75M;

    # 静态文件访问的url
    location /static {
        # 静态文件地址
        alias /srv/mybbs/static;
    }

    # 最后，发送所有非静态文件请求到django(flask)服务器
```

```
    location / {

        uwsgi_pass mybbs;

        # uwsgi_params文件地址

        include /etc/nginx/uwsgi_params;

    }

}
```

重新运行

```

root@richardhu-virtual-machine:/srv/mybbs# service nginx restart

root@richardhu-virtual-machine:/srv/mybbs# uwsgi --ini uwsgi.ini

===========================================================================
================================

[uWSGI] getting INI configuration from uwsgi.ini

*** Starting uWSGI 2.0.18 (64bit) on [Tue Dec 31 10:26:21 2019] ***

compiled with version: 7.5.0 on 30 December 2019 14:19:24

os: Linux-5.0.0-37-generic #40~18.04.1-Ubuntu SMP Thu Nov 14 12:06:39 UTC 2019

nodename: richardhu-virtual-machine

machine: x86_64

clock source: unix

detected number of CPU cores: 1

current working directory: /srv/mybbs

detected binary path: /usr/local/bin/uwsgi

!!! no internal routing support, rebuild with pcre support !!!

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

chdir() to /srv/mybbs/

your processes number limit is 15402

your memory page size is 4096 bytes

detected max file descriptor number: 1024

lock engine: pthread robust mutexes

thunder lock: disabled (you can enable it with --thunder-lock)

uwsgi socket 0 bound to UNIX address /srv/mybbs/mybbs.sock fd 3
```

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

Python version: 3.6.9 (default, Nov 7 2019, 10:44:02) [GCC 8.3.0]

Set PythonHome to /root/.virtualenvs/bbs-env

*** Python threads support is disabled. You can enable it with --enable-threads ***

Python main interpreter initialized at 0x55e8c715c060

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

your server socket listen backlog is limited to 100 connections

your mercy for graceful operations on workers is 60 seconds

mapped 801944 bytes (783 KB) for 10 cores

*** Operational MODE: preforking ***

WSGI app 0 (mountpoint='') ready in 24 seconds on interpreter 0x55e8c715c060 pid: 9031 (default app)

uWSGI running as root, you can use --uid/--gid/--chroot options

*** WARNING: you are running uWSGI as root !!! (use the --uid flag) ***

*** uWSGI is running in multiple interpreter mode ***

spawned uWSGI master process (pid: 9031)

spawned uWSGI worker 1 (pid: 9035, cores: 1)

spawned uWSGI worker 2 (pid: 9036, cores: 1)

spawned uWSGI worker 3 (pid: 9037, cores: 1)

spawned uWSGI worker 4 (pid: 9038, cores: 1)

spawned uWSGI worker 5 (pid: 9039, cores: 1)

spawned uWSGI worker 6 (pid: 9040, cores: 1)

spawned uWSGI worker 7 (pid: 9041, cores: 1)

spawned uWSGI worker 8 (pid: 9042, cores: 1)

spawned uWSGI worker 9 (pid: 9043, cores: 1)

spawned uWSGI worker 10 (pid: 9044, cores: 1)

Tue Dec 31 10:26:48 2019 - SIGPIPE: writing to a closed pipe/socket/fd (probably the client disconnected) on request / (ip 172.16.134.1) !!!

Tue Dec 31 10:26:48 2019 - uwsgi_response_writev_headers_and_body_do(): Broken pipe [core/writer.c line 306] during GET / (172.16.134.1)

OSError: write error

[pid: 9035|app: 0|req: 1/1] 172.16.134.1 () {42 vars in 859 bytes} [Tue Dec 31 10:26:46 2019] GET / => generated 0 bytes in 1829 msecs (HTTP/1.1 200) 3 headers in 0 bytes (0 switches on core 0)

[pid: 9036|app: 0|req: 1/2] 172.16.134.1 () {42 vars in 859 bytes} [Tue Dec 31 10:26:46 2019] GET / => generated 6000 bytes in 1825 msecs (HTTP/1.1 200) 3 headers in 95 bytes (1 switches on core 0)

[pid: 9044|app: 0|req: 1/3] 172.16.134.1 () {42 vars in 799 bytes} [Tue Dec 31 10:26:49 2019] GET /favicon.ico => generated 232 bytes in 5 msecs (HTTP/1.1 404) 2 headers in 72 bytes (1 switches on core 0)

```
```

[pid: 9036|app: 0|req: 1/2] 172.16.134.1 () {42 vars in 859 bytes} [Tue Dec 31 10:26:46 2019] GET / => generated 6000 bytes in 1825 msecs (HTTP/1.1 200) 3 headers in 95 bytes (1 switches on core 0)

[pid: 9044|app: 0|req: 1/3] 172.16.134.1 () {42 vars in 799 bytes} [Tue Dec 31 10:26:49 2019] GET /favicon.ico => generated 232 bytes in 5 msecs (HTTP/1.1 404) 2 headers in 72 bytes (1 switches on core 0)