网站监控脚本使用说明

实现原理：

> 对比页面返回hash值

step1 邮件服务配置

在程序同级目录下的config.ini里修改配置。

值得一提的是这个密码并非qq密码，详情参考：

> https://jingyan.baidu.com/article/425e69e61e9178be15fc168a.html
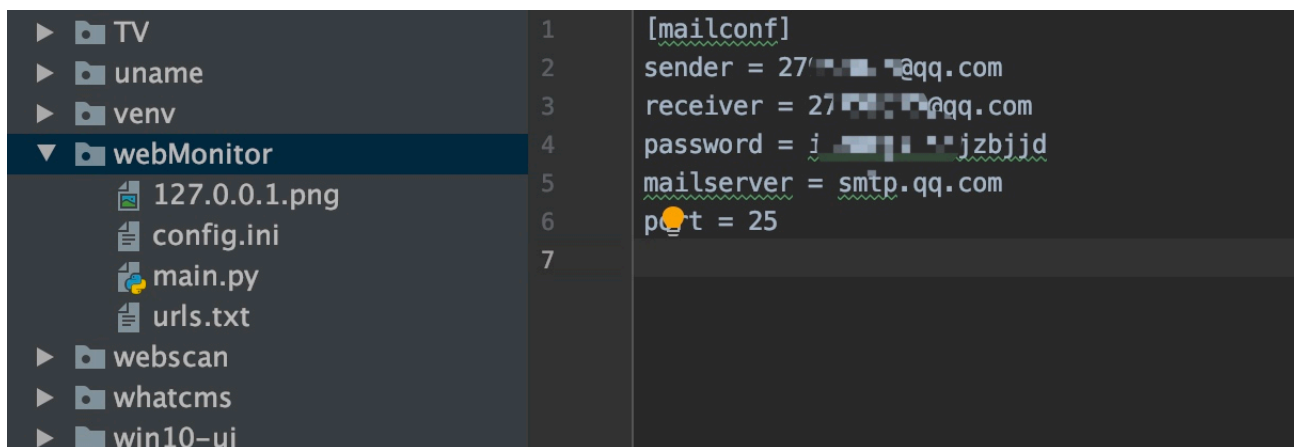
step2 修改监测频率

打开脚本main.py,修改第152行中的sleep的值,这里的时间单位是秒,如300即为每5分钟检查一遍。
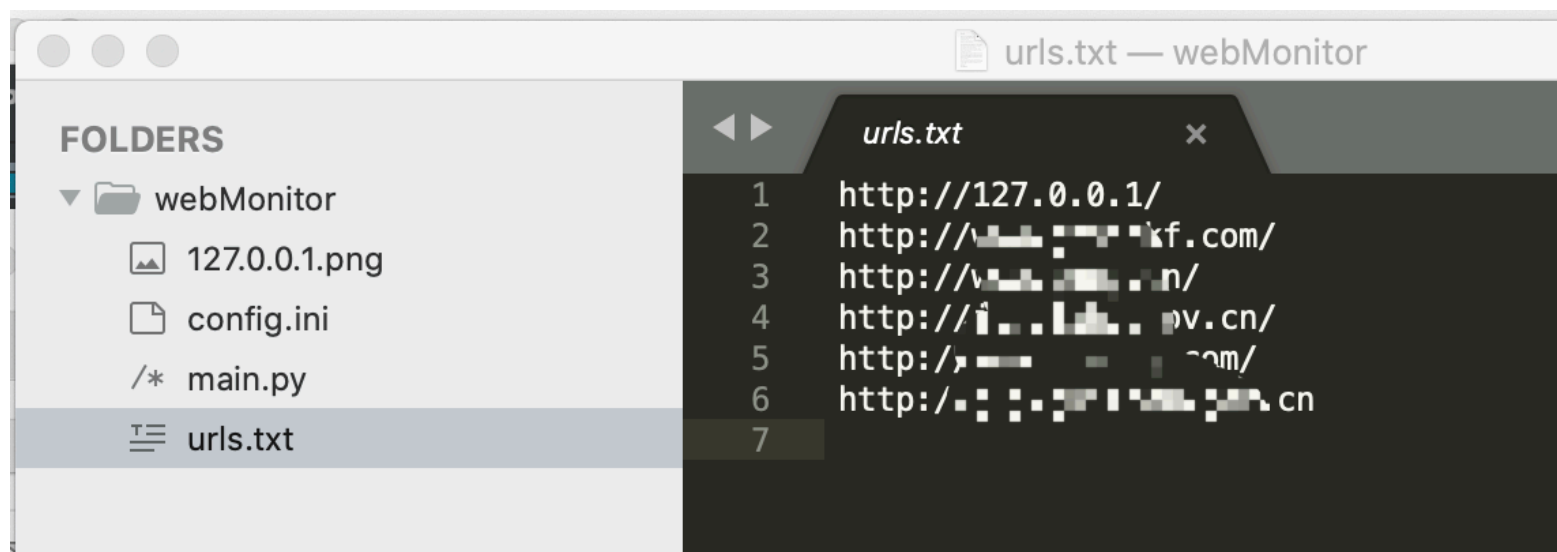
```python
100        return initHash.hexdigest()
101
102
103    if __name__ == '__main__':
104
105        hashDict = {}
106
107        for url in open('urls.txt'):
108            url = url.replace('\n','').replace('\r','')
109            # print(url)
110            initHash = init(url)
111            # print('[+]%a init hash is %s ' % url % initHash)
112
113            print(time.strftime('[%H:%M:%S]') + ' {} init hash is {}'.format(url, initHash))
114
115            hashDict[url] = initHash
116
117        # print(hashDict)
118
119        conf = configparser.ConfigParser()
120
121        try:
122
123            conf.read("config.ini")
124            sender = conf.get("mailconf", "sender")
125            receiver = conf.get("mailconf", "receiver")
126            password = conf.get("mailconf", "password")
127            mailserver = conf.get("mailconf", "mailserver")
128            port = int(conf.get("mailconf", "port"))
129
130            print(time.strftime('[%H:%M:%S]') + " Config file load success...")
131        except:
132            print(time.strftime('[%H:%M:%S]') + " Config file load error...")
133
134        testMail = input('[+]send a test email? (y/n):')
135        if testMail == 'y':
136            sub = '测试邮件−已开始监控 %s 等站点的内容' % url
137            sendMail(sender, receiver, password, mailserver, port, url, sub)
138
139        print(time.strftime('[%H:%M:%S]') + ' script is running...')
140
141        while True:
142            for url in open('urls.txt'):
143                url = url.replace('\n', '').replace('\r', '')
144                lastHash = getLastHash(url)
145                initHash = hashDict[url]
146                if lastHash != initHash:
147                    print(time.strftime('[%H:%M:       ) + ' Webpage was modified')
148                    sub = '站点 %s 的内容已被修     ' % url
149                    print(sub)
150                    sendMail(sende     eceiver, password, mailserver, port, url, sub)
151                time.sleep(3)
152            time.sleep(300)
153
154        # lastHash = getLastHash(url)
155        # if lastHash != initHash:
156        #     print('[!]Webpage was modified')
157        #     sub = '站点 %s 的内容已被修改.' %url
158        #     sendMail(sender, receiver, password, mailserver, port, url, sub)
159        # time.sleep(5)
```

step3 导入站点

打开urls.txt,并严格按照如下格式粘贴站点列表。

```
http://test.com/
https://127.0.0.1/
```
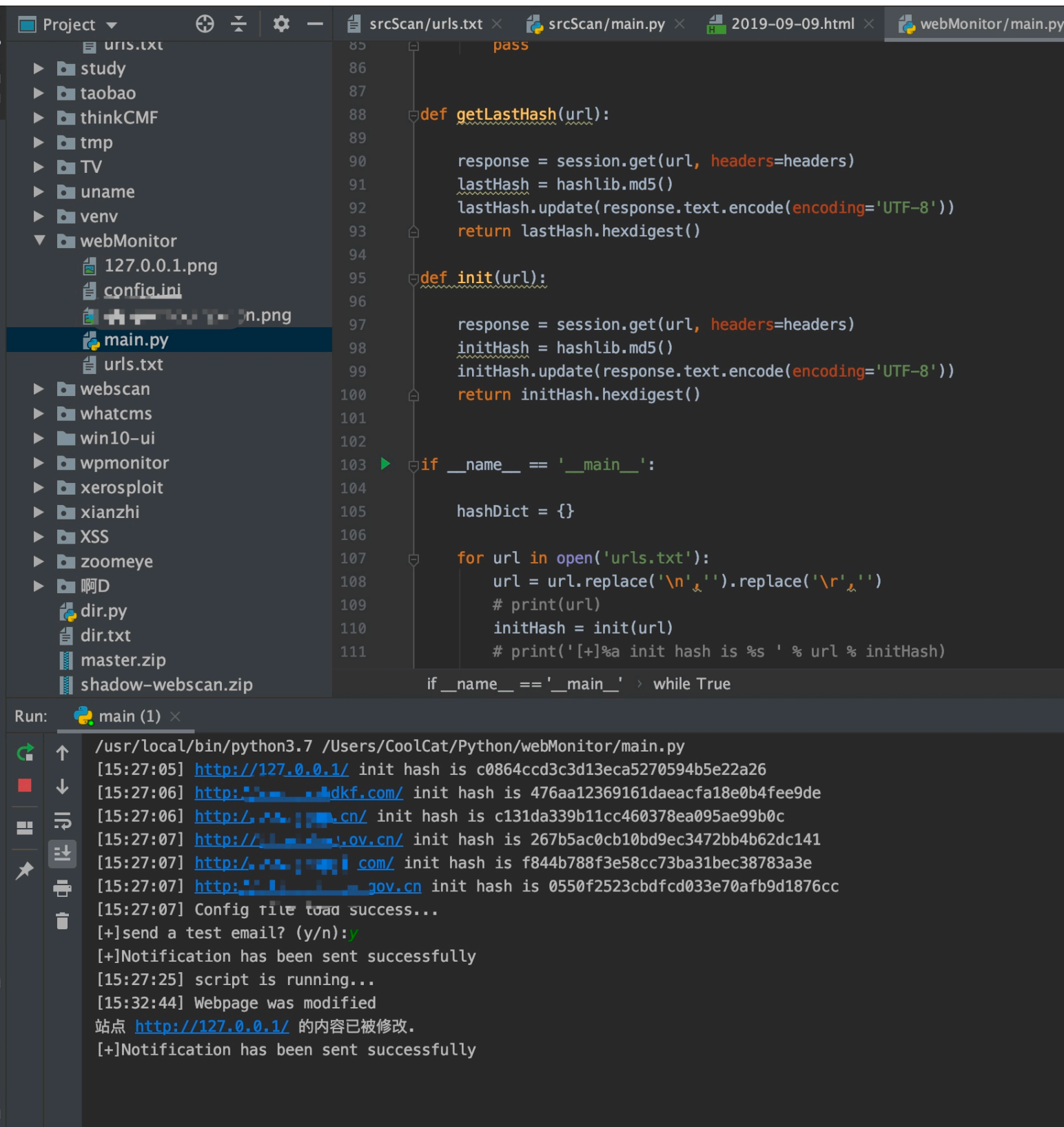
如:

step4 运行脚本

命令:

```
python3 main.py
```

效果:

```
 85                    pass
 86
 87
 88    def getLastHash(url):
 89
 90        response = session.get(url, headers=headers)
 91        lastHash = hashlib.md5()
 92        lastHash.update(response.text.encode(encoding='UTF-8'))
 93        return lastHash.hexdigest()
 94
 95    def init(url):
 96
 97        response = session.get(url, headers=headers)
 98        initHash = hashlib.md5()
 99        initHash.update(response.text.encode(encoding='UTF-8'))
100        return initHash.hexdigest()
101
102
103    if __name__ == '__main__':
104
105        hashDict = {}
106
107        for url in open('urls.txt'):
108            url = url.replace('\n','').replace('\r','')
109            # print(url)
110            initHash = init(url)
111            # print('[+]%a init hash is %s ' % url % initHash)
```

Project tree (left panel):
- study
- taobao
- thinkCMF
- tmp
- TV
- uname
- venv
- webMonitor
  - 127.0.0.1.png
  - config.ini
  - ▉▉▉▉▉n.png
  - main.py
  - urls.txt
- webscan
- whatcms
- win10-ui
- wpmonitor
- xerosploit
- xianzhi
- XSS
- zoomeye
- 啊D
- dir.py
- dir.txt
- master.zip
- shadow-webscan.zip

if __name__ == '__main__' › while True

Run: 🐍 main (1) ✕

```
/usr/local/bin/python3.7 /Users/CoolCat/Python/webMonitor/main.py
[15:27:05] http://127.0.0.1/ init hash is c0864ccd3c3d13eca5270594b5e22a26
[15:27:06] http://▉▉▉▉dkf.com/ init hash is 476aa12369161daeacfa18e0b4fee9de
[15:27:06] http://▉▉▉▉.cn/ init hash is c131da339b11cc460378ea095ae99b0c
[15:27:07] http://▉▉▉▉.ov.cn/ init hash is 267b5ac0cb10bd9ec3472bb4b62dc141
[15:27:07] http://▉▉▉▉ com/ init hash is f844b788f3e58cc73ba31bec38783a3e
[15:27:07] http://▉▉▉▉ jov.cn init hash is 0550f2523cbdfcd033e70afb9d1876cc
[15:27:07] Config file load success...
[+]send a test email? (y/n):y
[+]Notification has been sent successfully
[15:27:25] script is running...
[15:32:44] Webpage was modified
站点 http://127.0.0.1/ 的内容已被修改.
[+]Notification has been sent successfully
```

站点 http://127.0.0.1/ 的内容已被修改. ☆

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纯文本 |

监测到站点内容已被修改，请人工核查是否为非法篡改，截图如下:

```php
<?php
error reporting(0);
class
    protected
    function
        $this-

    function __toString(){
        return

    function
    {
        echo $this;
    }
}
```