JSFinder—从js文件中寻找敏感接口和子域名

Threezh1 / 2019-06-13 09:19:00 / 浏览数 7202 安全工具 工具 顶(0) 踩(0)

说在前面

在渗透测试及漏洞挖掘过程中，信息搜集是一个非常重要的步骤。而在网站的JS文件中，会存在各种对测试有帮助的内容。

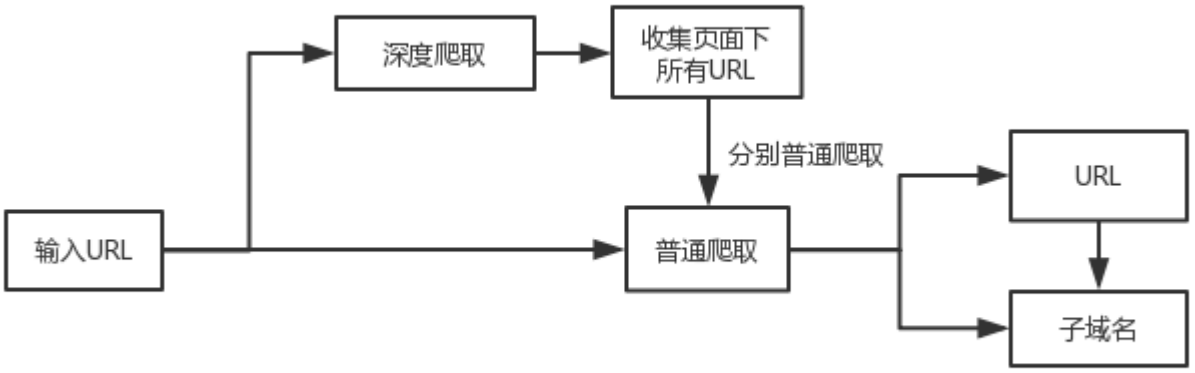
比如：敏感接口，子域名等。

社区内的文章也有有些关于JS文件提取信息的片段，比如Brupsuite和LinkFinder结合的方式，但还是有些问题：不能提取子域名，是相对URL，没那么方便等等。

于是我写了一个工具 - JSFinder。能够根据一个URL自动的收集JS，并在其中发现提取URL和子域名。毕竟，信息搜集的方式，自然是越多越好。

项目地址：https://github.com/Threezh1/JSFinder

JSFinder获取URL和子域名的方式：



使用方式

我们以京东为例来测试，京东的网址为：https://www.jd.com/

简单爬取：

```
python3 JSFinder.py -u https://www.jd.com/
```

提取的URL：

```
root@kali:~/Threezh1/Temp# python3 JSFinder.py -u https://www.jd.com/
url:https://www.jd.com/
Find 178 URL:
https://s-nfa.jd.com/bd?info=
https://passport.jd.com/new/login.aspx?ReturnUrl=
https://reg.jd.com/reg/person?ReturnUrl=
https://loadAsyncError.jd.com
https://lapi.jd.com/cookie/check?source=pc-home
https://miaosha.jd.com
https://miaosha.jd.com/pinpailist.html
https://miaosha.jd.com/brandlist.html
https://miaosha.jd.com/#
https://top.jd.com/
https://jdjz.jd.com/
https://jdiscover.jd.com
https://cart.jd.com/
https://huiguang.jd.com
https://hellojoy.jd.com/
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https://passport.jd.com/user/petName/getUserInfoForMiniJd.action
https://floor.jd.com/user/score/get
https://pjapi.jd.com/user/scoreAndLevel?source=pc_home
https://passport.jd.com/new/helloService.ashx
https://ai.jd.com/index_new.php?app=Newuser&action=isNewuser
https://dy.jd.com/jsf_user_level
https://corp.jd.com/publicSoa/userInfo/getUserLevel
https://floor.jd.com/user/hotwords/get
https://storage.jd.com/7ff749b346d2f947/2b340c1a7e.js
https://d.jd.com/client/get
https://d.jd.com/navigation/get
https://order.jd.com/lazy/getOrderListCountJson.action
https://question.jd.com/myjd/getMyJdAnswerCount.action
https://pjapi.jd.com/followCommodity/queryForCountByReduceProductAndPin?source=pc_home&sysName=misc
https://quan.jd.com/getcouponcount.action
https://joycenter.jd.com/msgCenter/init.action
https://btshow.jd.com/ious/queryBT.do?sourceType=137
https://diviner.jd.com/diviner?p=610009&lid=1
https://storage.jd.com/7ff749b346d2f947/7a55efa35e.js
https://floor.jd.com/user/feed/get
https://storage.jd.com/fd1f0b5a9b65f5e8/d643e3b2c8.js
https://yuding.jd.com/presaleInfo/getPresaleInfo.action
https://dy.jd.com/jsf_selection_online
https://dy.jd.com/jsf_yy_hide_price
https://pjapi.jd.com/filterSku/preSaleReservation?source=pc_home
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https://papi-service.jd.com/feed/content/aggregate/?format=jsonp
https://storage.jd.com/fd1f0b5a9b65f5e8/30a9de95f5.js
https://papi-service.jd.com/feed/content/async/?format=jsonp
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https://floor.jd.com/recommend/news/get
https://floor.jd.com/user/score/get?auth=qazwsc
https://portal.cms.jd.com/preview/preview/preview/6153
https://wq.jd.com/webmonitor/collect/badjs.json?Content=
https://chongzhi.jd.com/jdhome-czindex-2017.html
https://floor.jd.com/recommend/lbs/get?t=
https://nfa.jd.com/loadFa.action?aid=0_0_8857
https://nfa.jd.com/loadFa.js?aid=2_955_8766
https://search.jd.com/Search?keyword={keyword}&enc={enc}{additional}
https://search-e.jd.com/searchDigitalBook?ajaxSearch=0&enc=utf-8&key={keyword}&page=1{additional}
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https://s-e.jd.com/Search?key={keyword}&enc=utf-8
https://mall.jd.com/index-#{shop_id}.html
https://hiswd.jd.com/?pvid=
https://suggest-squanqiu.jd.com/?terminal=shouquanqiu
https://dd-search.jd.com/?terminal=pc&newjson=1
https://search.jd.com/image?op=upload
https://search.jd.com/image?path=
```
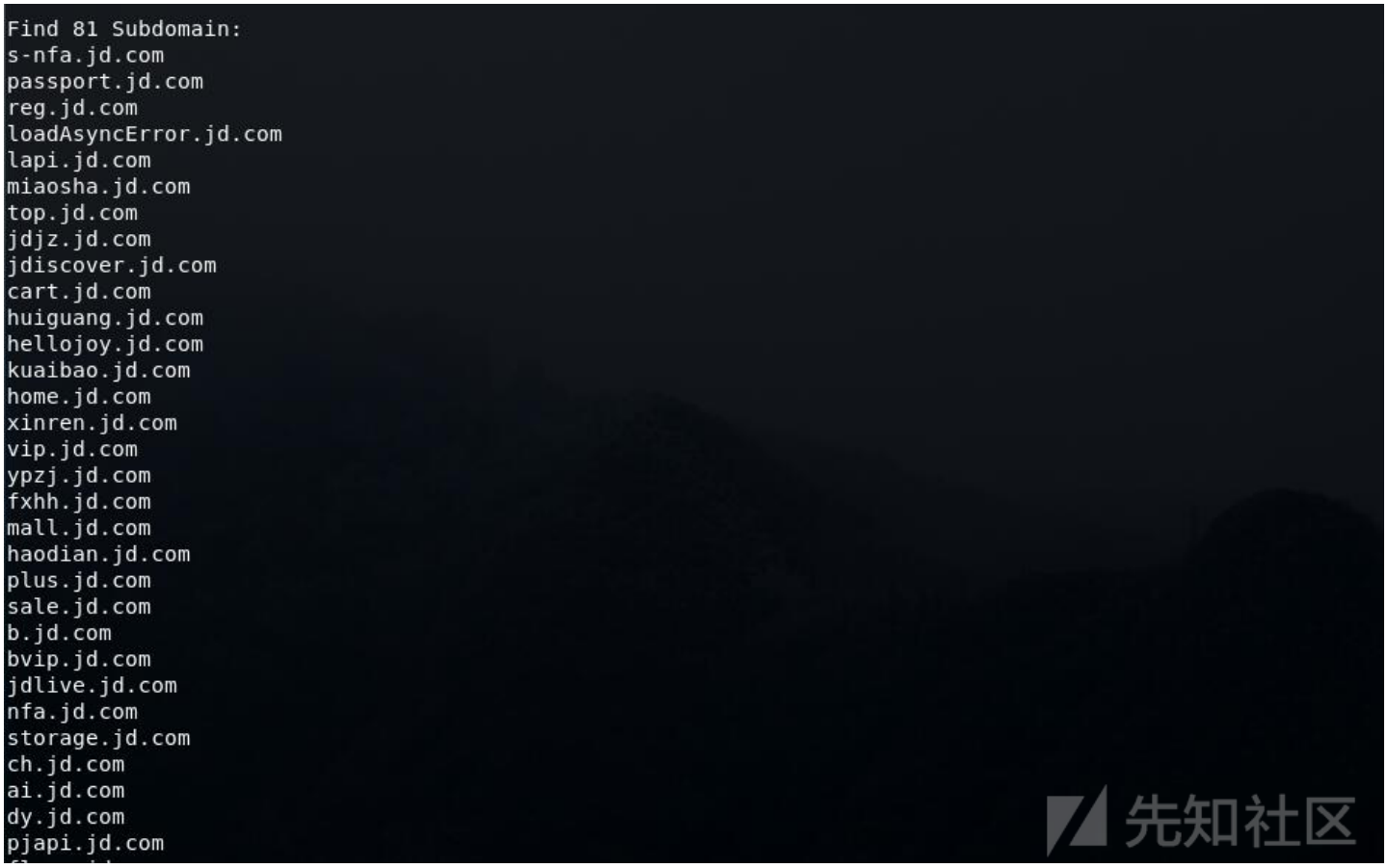


提取的子域名：



打开一个像接口的URL看看

jd({"code":0,"msg":"succ","data":[{"pit":1,"type":"CPD","data":{"target_url":"https:\/\/ccc-x.jd.com\/dsp\/nc?ext=aHR0cHM6Ly9tYWxsLmpkLmNvbS9pbmRleC02NDU10DIuaHRtbA&log=UpFul54GCr2eEngN9hs
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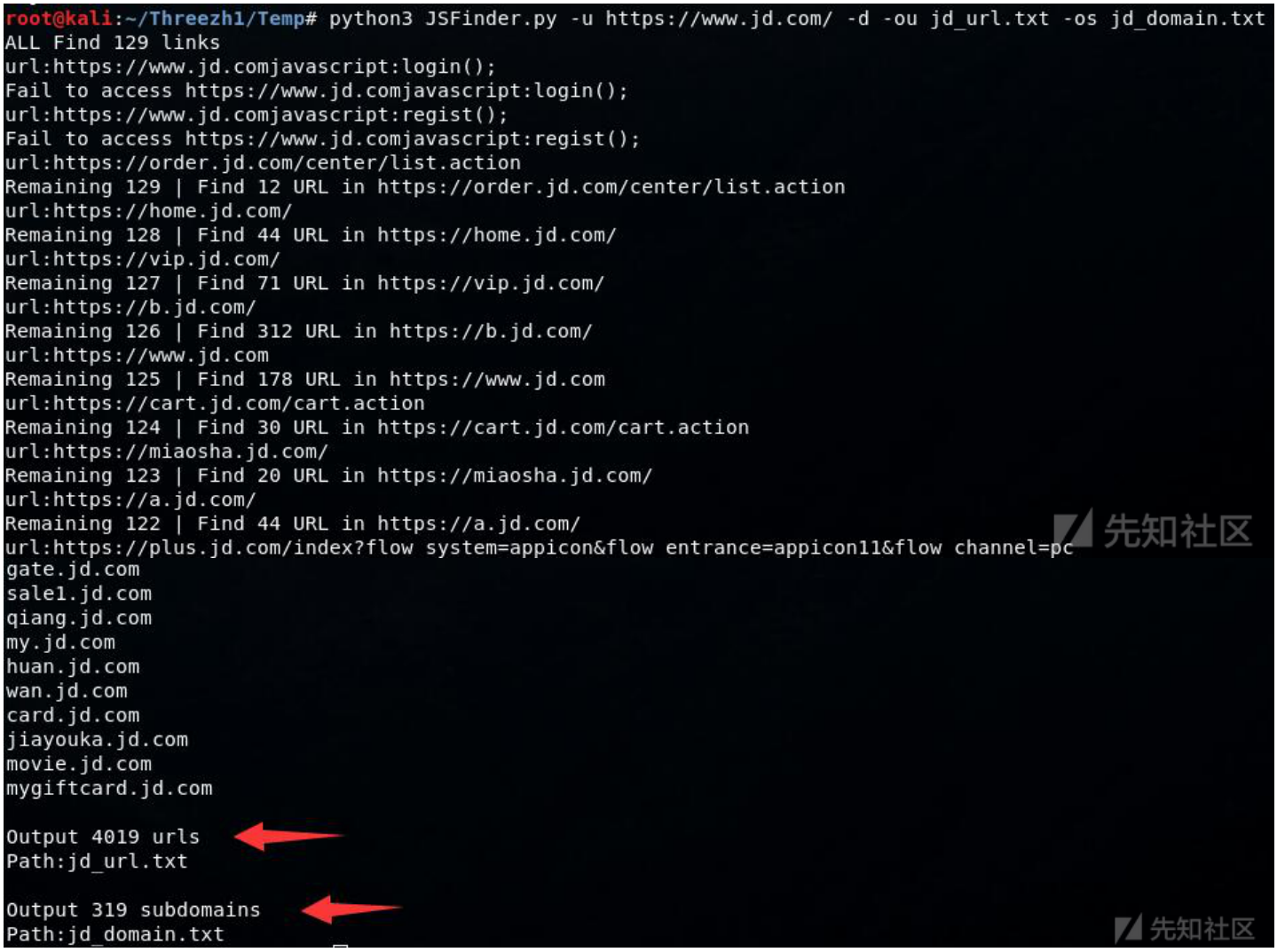
看起来是一个商品信息的接口。

只有一百多个URL和几十个子域名，远远不够。

当你想获取更多信息的时候，可以使用-d进行深度爬取来获得更多内容，并使用命令 -ou, -os来指定URL和子域名所保存的文件名。

```
python3 JSFinder.py -u https://www.jd.com/ -d -ou jd_url.txt -os jd_domain.txt
```



4019个URL,319个子域名，能够收集到的内容还是非常多的。

当然，信息的质量取决于网站，各种接口有没有用还取决于自己。

除了这两种方式以外，还可以批量指定URL和JS链接来获取里面的URL。

指定URL：

```
python JSFinder.py -f text.txt
```

指定JS：

```
python JSFinder.py -f text.txt -j
```

最后

写这个脚本的目的是为了丰富信息搜集，也是锻炼自己的编程能力。如果师傅们有更好的建议，希望能够告诉我，谢谢。

email:xiaothreezhi@gmail.com

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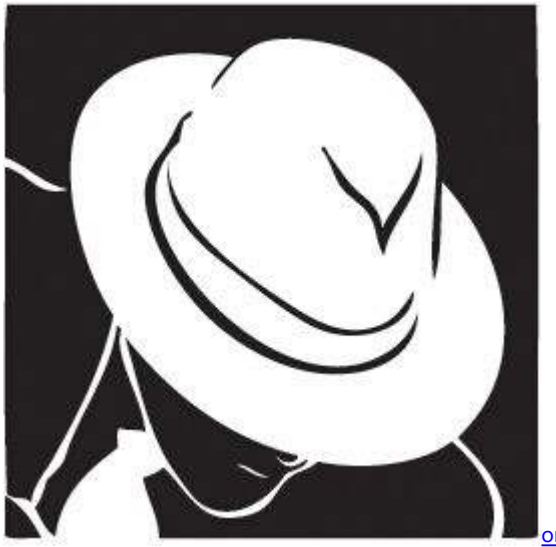
1. 10 条回复


lucifer法哥 2019-06-13 14:13:07

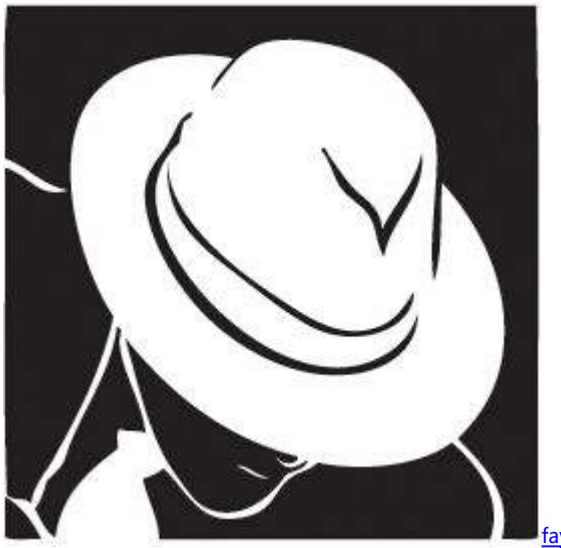
很有用

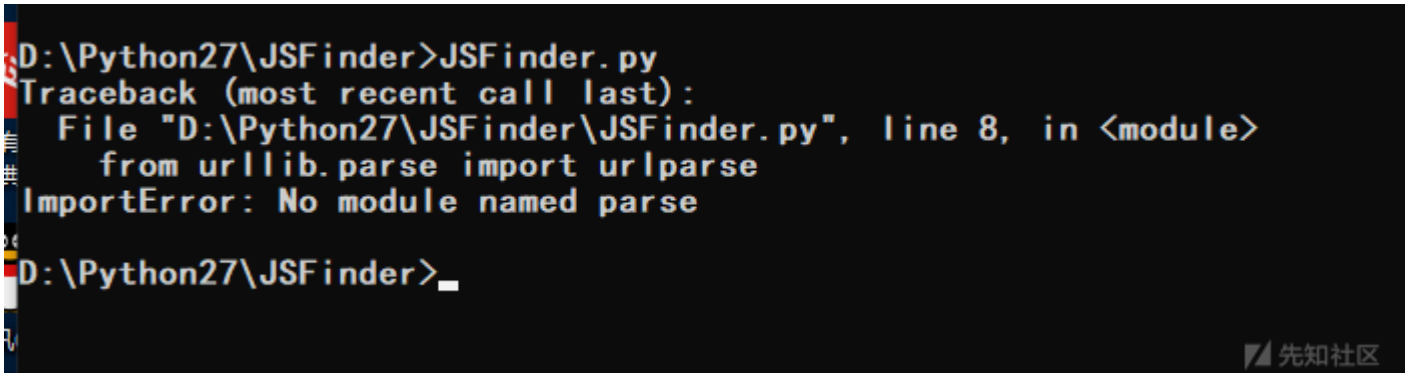
0 回复Ta


onl****uige 2019-07-26 11:49:32

不错，可以集成到自动化里面。

0 回复Ta


fayewong菲菲 2019-09-13 10:01:34



请问出现如图的情况，怎么使用

0 回复Ta

Threezh1 2019-09-15 15:09:15

@fayewong菲菲 百度一下，安装这个模块。

0 回复Ta

fayewong菲菲 2019-09-19 21:08:18

@Threezh1 好的，谢谢

0 回复Ta

九守 2019-09-27 12:18:49

js挖洞小火一把，目测此文章要火

0 回复Ta

Mke2fs 2019-09-27 12:20:29

@fayewong菲菲 用python3可以直接跑

0 回复Ta

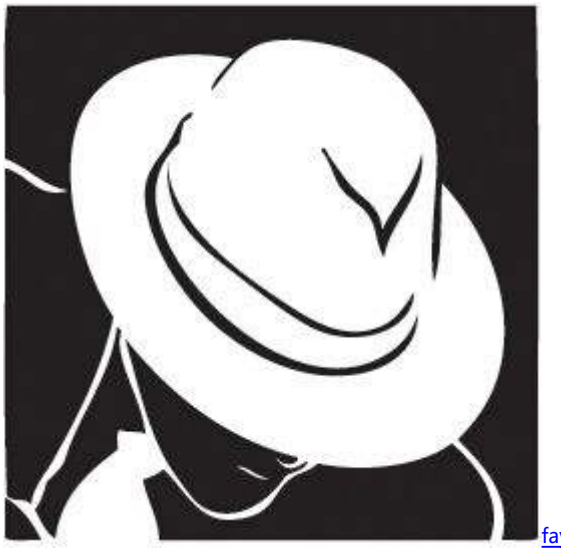
fayewong菲菲 2019-10-05 10:55:42

@Mke2fs 确定吗，怎么我这里一直提示确实parse模块，哪位大神帮忙看看!

```
D:\Python37\JSFinder>JSFinder.py -u https://www.baidu.com
Traceback (most recent call last):
  File "D:\Python37\JSFinder\JSFinder.py", line 8, in <module>
    from urllib.parse import urlparse
ImportError: No module named parse

D:\Python37\JSFinder>
```


0 回复Ta



fayewong菲菲 2019-10-05 11:00:20

```
D:\Python37\Scripts>pip3 install parse
Requirement already satisfied: parse in d:\python37\lib\site-packages (1.12.1)

D:\Python37\Scripts>
```


0 回复Ta

fayewong菲菲 2019-10-05 11:06:38

装个linkfinder也是同样的情况
D:\Python37\linkfinder>linkfinder.py
Traceback (most recent call last):
File "D:\Python37\linkfinder\linkfinder.py", line 11, in <module>
import re, sys, glob, html, argparse, jsbeautifier, webbrowser, subprocess, base64, ssl, xml.etree.ElementTree

ImportError: No module named html
目录也加进去了
D:\Python37>python.exe</module>

```
import sys
print(sys.path)
['', 'D:\Python37\python37.zip', 'D:\Python37\DLLs', 'D:\Python37\lib', 'D:\Python37', 'D:\Python37\lib\site-packages']
```

0 回复Ta

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