# 信息收集

## 主机发现

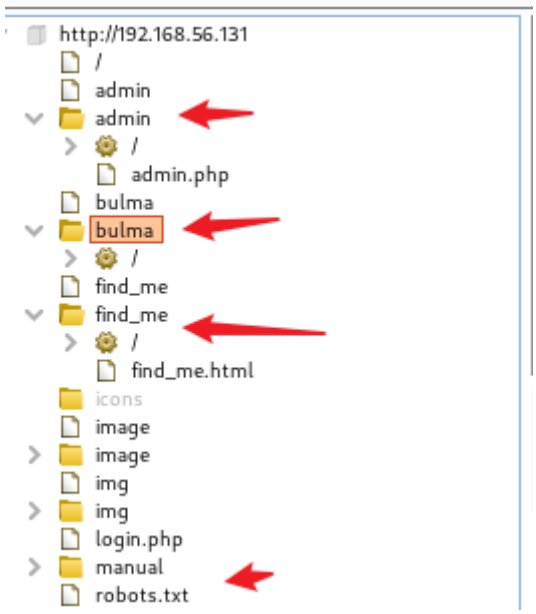
## 端口扫描

## 服务识别

```
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
| ssh-hostkey:
|   2048 1f:31:30:67:3f:08:30:2e:6d:ae:e3:20:9e:bd:6b:ba (RSA)
|   256 7d:88:55:a8:6f:56:c8:05:a4:73:82:dc:d8:db:47:59 (ECDSA)
|_  256 cc:de:de:4e:84:a8:91:f5:1a:d6:d2:a6:2e:9e:1c:e0 (ED25519)
80/tcp open  http    Apache httpd 2.4.38 ((Debian))
| http-methods:
|_  Supported Methods: POST OPTIONS HEAD GET
|_http-server-header: Apache/2.4.38 (Debian)
|_http-title: Site doesn't have a title (text/html).
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

## 子域名发现

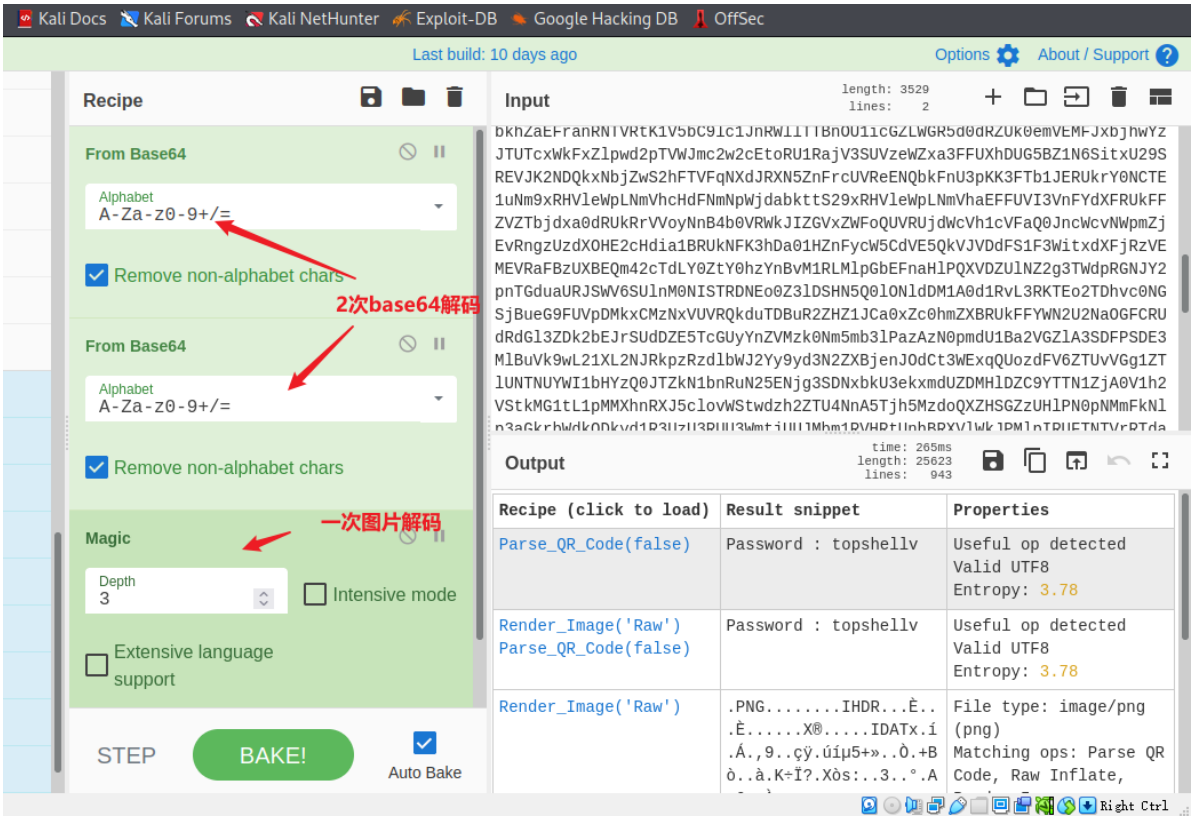
## 敏感目录遍历




## web信息搜集

**find_me.html**

下面有一串base64;通过cryberchef解码得到结果




**buluma**

有个莫斯密码的音频,

# 漏洞发现

## 业务重构

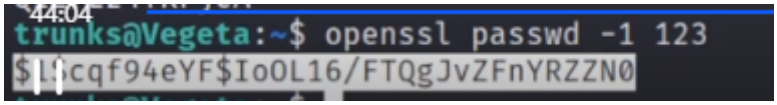
## 威胁建模

# 漏洞利用

## 边界突破

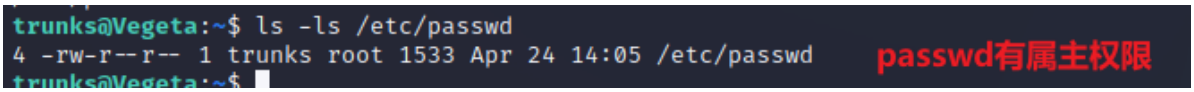
### 莫斯密码

解码得到结果


## 权限提升

## passwd权限配置错误





# 总结

- https://download.vulnhub.com

**难度:**

- 低

**目标:**

- 获得 Root 权限

**攻击方法:**

- 主机发现
- 端口扫描
- 信息收集
- 路径枚举
- 摩尔斯码
- 数据编码还原
- 二维码解码
- 本地提权