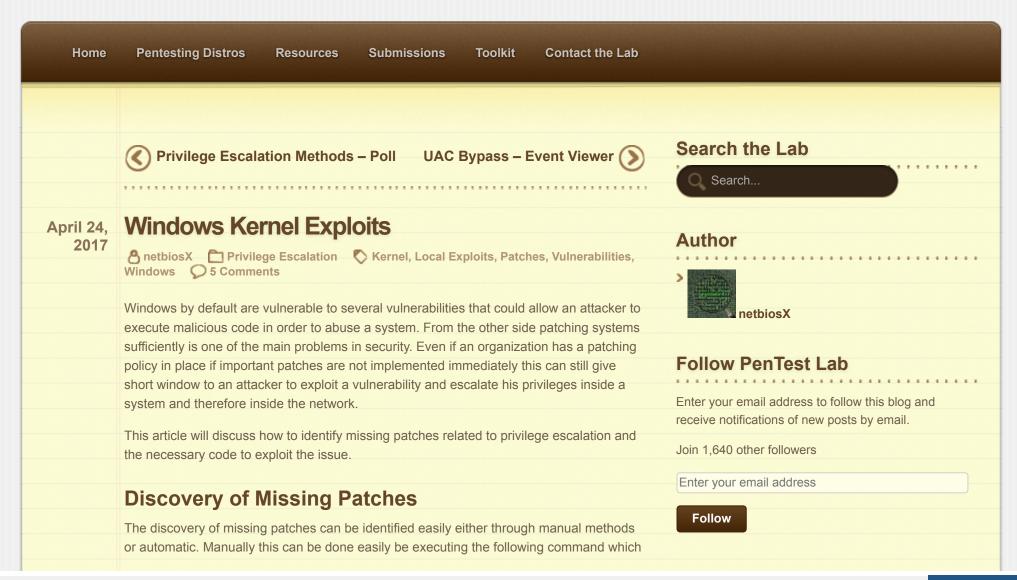
Penetration Testing Lab

Articles from the Pentesting Field



Recent Posts will enumerate all the installed patches. wmic qfe get Caption, Description, HotFixID, InstalledOn PDF – NTLM Hashes The output will be similar to this: NBNS Spoofing Lateral Movement – RDP DCShadow :\Users\User>wmic qfe get Caption,Description,HotFixID,InstalledOn Skeleton Key ttp://support.microsoft.com/?kbid=4018483 Security Update KB4018483 nttp://support.microsoft.com/?kbid=4015583 Security Update KB4015583 4/14/2017 **Categories** C:\Users\User> **Coding** (10) Enumeration of Installed Patches > Defense Evasion (19) > Exploitation Techniques (19) The HotFixID can be used in correlation with the table below in order to discover any > External Submissions (3) missing patches related to privilege escalation. As the focus is on privilege escalation the General Lab Notes (21) command can be modified slightly to discover patches based on the KB number. Information Gathering (12) 1 wmic qfe get Caption, Description, HotFixID, InstalledOn | finds **▶ Infrastructure** (2) ➤ Maintaining Access (4) Alternatively this can be done automatically via Metasploit, Credential Nessus Scan or via **➤ Mobile Pentesting** (7) a custom script that will look for missing patches related to privilege escalation. Network Mapping (1) Post Exploitation (11) Metasploit Privilege Escalation (14) There is a Metasploit module which can quickly identify any missing patches based on the Red Team (24) Knowledge Base number and specifically patches for which there is a Metasploit module. Social Engineering (11) **➤** Tools (7) post/windows/gather/enum patches > VoIP (4) > Web Application (14) Wireless (2)

Archives

```
msf exploit(handler) > use post/windows/gather/enum_patches
msf post(enum_patches) > set SESSION 1
SESSION => 1
msf post(enum_patches) > set KB "KB3143141", "KB3136041"
KB => KB3143141, KB3136041
msf post(enum_patches) > run

[+] KB3143141 is missing
[+] KB3136041 is missing
[+] KB977165 - Possibly vulnerable to MS10-015 kitrap0d if Windows 2K SP4 - Windows 7 (x86)
[+] KB2305420 - Possibly vulnerable to MS10-092 schelevator if Vista, 7, and 2008
[+] KB2592799 - Possibly vulnerable to MS11-080 afdjoinleaf if XP SP2/SP3 Win 2k 3 SP2
[+] KB2778930 - Possibly vulnerable to MS13-005 hwnd_broadcast, elevates from Low to Medium integrity
[+] KB2850851 - Possibly vulnerable to MS13-053 schlamperei if x86 Win7 SP0/SP1
[+] KB2870008 - Possibly vulnerable to MS13-081 track_popup_menu if x86 Windows 7 SP0/SP1
[*] Post module execution completed
```

Metasploit – Patches Enumeration

Windows Exploit Suggester

Gotham Digital Security released a tool with the name Windows Exploit Suggester which compares the patch level of a system against the Microsoft vulnerability database and can be used to identify those exploits that could lead to privilege escalation. The only requirement is that requires the system information from the target.

May 2018 > April 2018 January 2018 December 2017 November 2017 October 2017 September 2017 August 2017 > July 2017 > June 2017 May 2017 April 2017 March 2017 > February 2017 January 2017 November 2016 September 2016 > February 2015 January 2015 July 2014 April 2014 June 2013 May 2013 April 2013 March 2013 > February 2013 January 2013 December 2012 November 2012 October 2012 September 2012

```
kali:~/Desktop# ./windows-exploit-suggester.py --database 2017-04-23-mssb.x
  --systeminfo windows2008R2-systeminfo.txt
   initiating winsploit version 3.3...
   database file detected as xls or xlsx based on extension
   attempting to read from the systeminfo input file
   systeminfo input file read successfully (ascii)
   querying database file for potential vulnerabilities
   comparing the 2 hotfix(es) against the 407 potential bulletins(s) with a dat
abase of 137 known exploits
   there are now 407 remaining vulns
   [E] exploitdb PoC, [M] Metasploit module, [*] missing bulletin
   windows version identified as 'Windows 2008 R2 SP1 64-bit'
   MS16-135: Security Update for Windows Kernel-Mode Drivers (3199135) - Import
     https://www.exploit-db.com/exploits/40745/ -- Microsoft Windows Kernel - w
in32k Denial of Service (MS16-135)
     https://www.exploit-db.com/exploits/41015/ -- Microsoft Windows Kernel -
win32k.sys' 'NtSetWindowLongPtr' Privilege Escalation (MS16-135) (2)
     https://github.com/tinysec/public/tree/master/CVE-2016-7255
   MS16-098: Security Update for Windows Kernel-Mode Drivers (3178466) - Import
```

Windows Exploit Suggester

PowerShell

There is also a PowerShell script which target to identify patches that can lead to privilege escalation. This script is called <u>Sherlock</u> and it will check a system for the following:

- MS10-015 : User Mode to Ring (KiTrap0D)
- MS10-092 : Task Scheduler
- MS13-053: NTUserMessageCall Win32k Kernel Pool Overflow
- MS13-081 : TrackPopupMenuEx Win32k NULL Page
- MS14-058 : TrackPopupMenu Win32k Null Pointer Dereference
- MS15-051 : ClientCopyImage Win32k
- MS15-078 : Font Driver Buffer Overflow
- MS16-016 : 'mrxdav.sys' WebDAV
- MS16-032 : Secondary Logon Handle

- August 2012
- > July 2012
- > June 2012
- > April 2012
- > March 2012
- > February 2012

@ Twitter

- ➤ [New Post] PDF NTLM Hashes pentestlab.blog/2018/05/09/pdf... #pentestlab #Badpdf 3 hours ago
- Hiding Metasploit Shellcode to Evade Windows
 Defender blog.rapid7.com/2018/05/03/hid...
 hours ago
- @CheckPointSW @InQuest I have a post scheduled ready for tomorrow regarding Bad-PDF. Really cool research! Great advantage dor red teams. 20 hours ago
- New Post] NBNS Spoofing pentestlab.blog/2018/05/08/nbn... #pentestlab #pentest 1 day ago
- > RT @InQuest: From bad-PDF, github.com/deepzec/Bad-Pdf, to worse-PDF, github.com/3gstudent/Wors..., this YARA rule github.com/InQuest/yara-r... should co... 1 day ago



Pen Test Lab Stats

> 2.950.921 hits

CVE-2017-7199 : Nessus Agent 6.6.2 – 6.10.3 Priv Esc

The output of this tool can be seen below:

PS C:\Users\User> Find-AllUulns

Title : User Mode to Ring (KiTrap0D)

MSBulletin : MS10-015 CUEID : 2010-0232

Link : https://www.exploit-db.com/exploits/11199/

UulnStatus : Not supported on 64-bit systems

Title : Task Scheduler .XML

MSBulletin : MS10-092

CUEID : 2010-3338, 2010-3888

Link : https://www.exploit-db.com/exploits/19930/

UulnStatus : Not Uulnerable

Title : NTUserMessageCall Win32k Kernel Pool Overflow

MSBulletin : MS13-053 CUEID : 2013-1300

Link : https://www.exploit-db.com/exploits/33213/

UulnStatus : Not supported on 64-bit systems

Title : TrackPopupMenuEx Win32k NULL Page

MSBulletin : MS13-081

CUEID : 2013-3881

Link : https://www.exploit-db.com/exploits/31576/

UulnStatus : Not supported on 64-bit systems

Title : TrackPopupMenu Win32k Null Pointer Dereference

MSBulletin : MS14-058 CUEID : 2014-4113

Link : https://www.exploit-db.com/exploits/35101/

UulnStatus : Appears Uulnerable

Sherlock – Missing Patches

Blogroll

- Packetstorm Exploits, Advisories, Tools, Whitepapers
 0
- ➤ Metasploit Latest news about Metasploit Framework and tutorials 0
- 0x191unauthorized Tutorials 0
- ➤ The home of WeBaCoo Information about the WeBaCoo and other tutorials 0
- Command Line Kung Fu Command Line Tips and Tricks 0

Exploit Databases

- Exploit Database Exploits, PoC, Shellcodes, Papers
 0
- Metasploit Database Exploit & Auxiliary Modules 0
- ➤ Inj3ct0r Database Remote,Local,Web Apps,Shellcode,PoC 0

Pentest Blogs

- Carnalownage Ethical Hacking Tutorials 0
- Coresec Pentest tutorials, Code, Tools 0
- > Notsosecure From Pentesters To Pentesters 0
- Pentestmonkey Cheatsheets, Tools and SQL Injection 0
- Pentester Web Application Testing, Tips, Testing Tools 0
- ▶ Packetstorm Exploit Files 0
- > room362 Blatherings of a Security Addict 0
- darkoperator Shell is only the Beginning 0

Title : TrackPopupMenu Win32k Null Pointer Dereference MSBulletin : MS14-058

CUEID : 2014-4113

Link : https://www.exploit-db.com/exploits/35101/

UulnStatus : Appears Uulnerable

Title : ClientCopyImage Win32k MSBulletin : MS15-051

CUEID : 2015-1701, 2015-2433

Link : https://www.exploit-db.com/exploits/37367/

UulnStatus : Appears Uulnerable

Title : Font Driver Buffer Overflow

MSBulletin : MS15-078

CUEID : 2015-2426, 2015-2433

Link : https://www.exploit-db.com/exploits/38222/

UulnStatus : Not Uulnerable

Title : 'mrxdav.sys' WebDAU

MSBulletin : MS16-016 CUEID : 2016-0051

Link : https://www.exploit-db.com/exploits/40085/

UulnStatus : Not supported on 64-bit systems

Title : Secondary Logon Handle

MSBulletin : MS16-032 CUEID : 2016-0099

Link : https://www.exploit-db.com/exploits/39719/

UulnStatus : Appears Uulnerable

Sherlock – Identification of Privilege Escalation Patches

Privilege Escalation Table

The following table has been compiled to assist in the process of privilege escalation due to lack of sufficient patching.

Operating System	Description	Security Bulletin	КВ	Exploit
Windows Server 2016	Windows Kernel Mode Drivers	MS16- 135	3199135	Exploit Github

> Irongeek Hacking Videos, Infosec Articles, Scripts 0

Professional

➤ The Official Social Engineering Portal Information about the Social Engineering Framework, Podcasts and Resources 0

Next Conference

Security B-Sides London April 29th, 2014

The big day is here.

Facebook Page



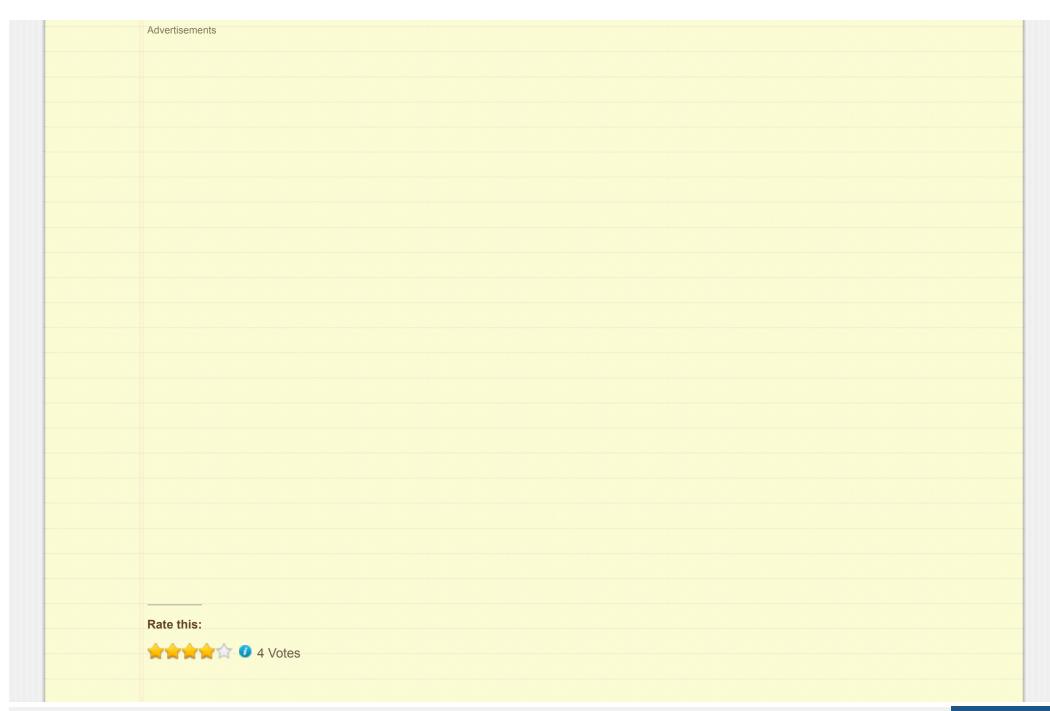


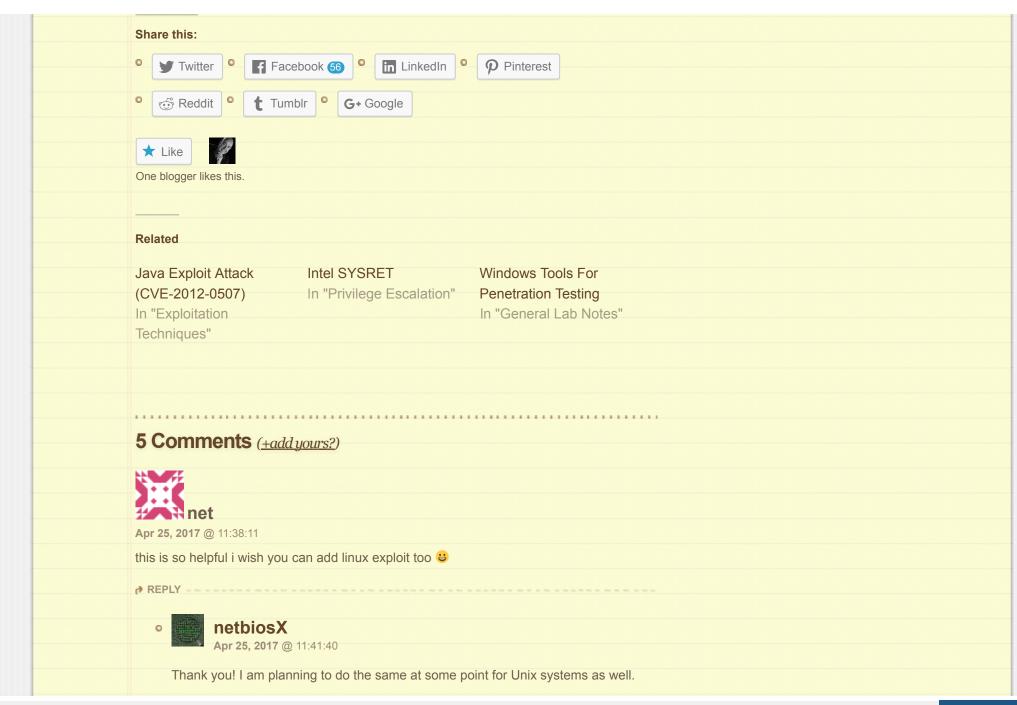
Be the first of your friends to like this

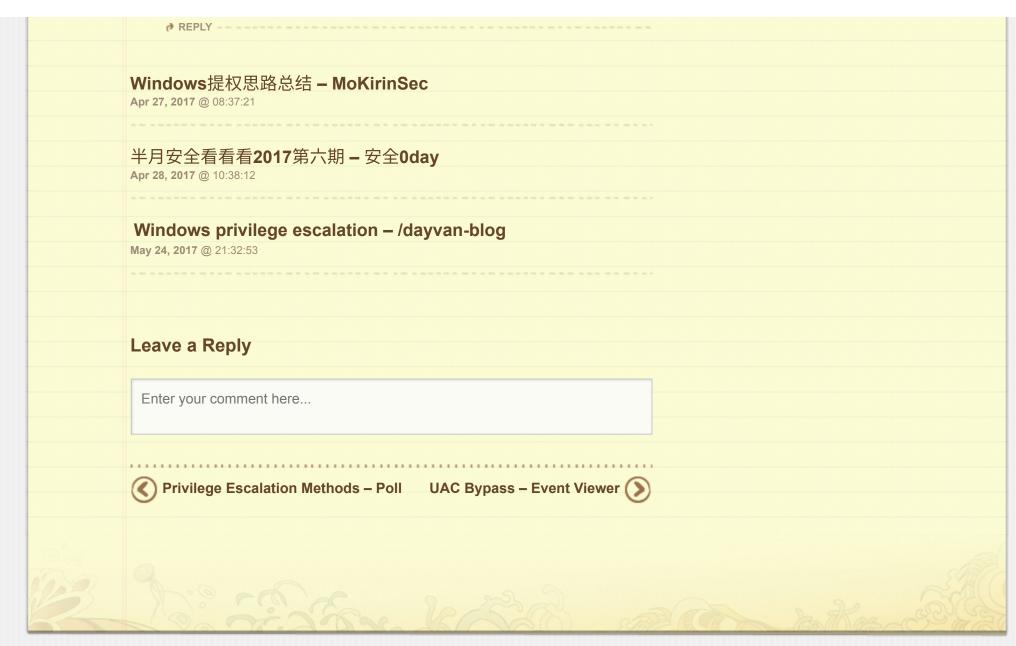
	rs Server 2008 ,7,8,10 rs Server 2012	Secondary Logon Handle	MS16- 032	3143141	GitHub ExploitDB	Advertisements
			MS16-		Metasploit	
Windows	s Server 2008, Vista, 7	WebDAV	016	3136041	<u>GitHub</u>	
Server 2	rs Server 2003, Windows 2008, Windows 7, Windows ows 2012	Windows Kernel Mode Drivers	MS15- 051	3057191	ExploitDB Metasploit	
	rs Server 2003, Windows 2008, Windows Server , 8	Win32k.sys	MS14- 058	3000061	GitHub ExploitDB Metasploit	
	rs Server 2003, Windows 2008, 7, 8, Windows Server	AFD Driver	MS14- 040	2975684	Python EXE ExploitDB Github	
Windows 2003	s XP, Windows Server	Windows Kernel	MS14- 002	2914368	<u>Metasploit</u>	
	rs Server 2003, Windows 2008, 7, 8, Windows Server	Kernel Mode Driver	MS13- 005	2778930	Metasploit ExploitDB GitHub	

Windows Server 2008, 7	Task	MS10-	2305420	Metasploit	
	Scheduler	092		<u>ExploitDB</u>	
				Exploit	
				<u>ExploitDB</u>	
Windows Server 2003, Windows Server 2008, 7, XP	KiTrap0D	MS10- 015	977165	<u>GitHub</u>	
				Metasploit	
				Evoloit	
				Exploit Exploit DD	
Windows Server 2003, XP	NDProxy	MS14-	2914368	ExploitDB ExploitDB	
		002		ExploitDB	
				<u>Github</u>	
Windows Server 2003, Windows Server 2008, 7, 8, Windows Server 2012	Kernel Driver	MS15- 061	3057839	Github	
				EXE	
Windows Server 2003, XP	AFD.sys	MS11-	2592799	<u>Metasploit</u>	
	•	080		<u>ExploitDB</u>	
Windows Server 2003, XP	NDISTAPI	MS11-	2566454	<u>ExploitDB</u>	
vviildows Server 2000, Ar	NOIOTALL	<u>062</u>	2000707	LAPIOILDD	
Windows Server 2003, Windows Server 2008, 7, 8, Windows Server 2012	RPC	MS15- 076	3067505	<u>Github</u>	
Windows Server 2003, Windows	Hot Potato	MS16-	3164038	<u>GitHub</u>	

Server 2008, 7, 8, Windows Server 2012 Windows Server 2003, Vindows Server 2008, 7, XP MS11- 046 EXE ExoloitDB						
Windows Server 2003, Windows Server 2008, 7, XP Windows Server 2003, Windows MS15- 010 MS15- ExploitDB MS11- 2503665			075		<u>PowerShell</u>	
Windows Server 2003, Windows Server 2008, 7, XP Kernel Driver MS15- 010 SitHub ExploitDB ExploitDB	2012					
Windows Server 2003, Windows Kernel Driver MS15- 010 3036220 ExploitDB Windows Server 2003, Windows AED ave MS11- 2503665 2503665					<u>HotPotato</u>	
Windows Server 2003, Windows Kernel Driver MS15- 010 3036220 ExploitDB Windows Server 2003, Windows AED ave MS11- 2503665 2503665						
Windows Server 2003, Windows Kernel Driver MS15- 010 3036220 ExploitDB Windows Server 2003, Windows AED ave MS11- 2503665 2503665					CitHub	
Server 2008, 7, XP	Windows Server 2003 Windows		MS15-		GILHUD	
Windows Server 2003, Windows AED ave MS11- 2503665		Kernel Driver		3036220	EvploitDB	
Windows Server 2003, Windows AED ave MS11-	Server 2006, 7, AF		010		EXPIOILED	
Windows Server 2003, Windows AED ave MS11-						
Windows Server 2003, Windows AED ave MS11-					EXE	
Server 2008, 7, XP		AFD svs	MS11-	2503665		
	Server 2008, 7, XP	Al D.Sys	046	2000000	<u>ExploitDB</u>	







Blog at WordPress.com.