1. 通过本地PC中渗透测试平台Kali对靶机场景Server1进行系统服务及版本扫描渗透测试,以xml格式向指定文件输出信息(使用工具Nmap),将以xml格式向指定文件输出信息必须要使用的参数作为Flag值提交;

nmap -n -Pn -sS -A -oX target 172.16.1.0/24 扫描局域网中存活的靶机,并导出为 xml 格式,由于扫描的速度很慢,我们这里这针对靶机一个 ip 进行扫描

-(root w kali2021)-[/var/www/html] # nmap -n -Pn -sS -A -oX target 192.168.1.26 Host discovery disabled (-Pn). All addresses will be marked 'up' and scan times will be slower. Starting Nmap 7.91 ( https://nmap.org ) at 2022-06-30 10:44 CST Nmap scan report for 192.168.1.26 Host is up (0.00042s latency). Not shown: 991 closed ports VERSTON PORT STATE SERVICE 135/tcp open msrpc Microsoft Windows RPC 139/tcp open netbios-ssn Microsoft Windows netbios-ssn 445/tcp open microsoft-ds Windows 7 Ultimate 7601 Service Pack 1 microsoft-ds (workgroup: WORKGROU P) 1025/tcp open msrpc Microsoft Windows RPC 1026/tcp open msrpc Microsoft Windows RPC 1027/tcp open msrpc Microsoft Windows RPC Microsoft Windows RPC 1028/tcp open msrpc 1036/tcp open msrpc Microsoft Windows RPC 1086/tcp open msrpc Microsoft Windows RPC MAC Address: 00:0C:29:E6:65:F5 Device type: general purpose Running: Microsoft Windows 7 2008 8.1 OS CPE: cpe:/o:microsoft:windows\_7::- cpe:/o:microsoft:windows\_7::sp1 cpe:/o:microsoft:windows\_serve r\_2008::sp1 cpe:/o:microsoft:windows\_server\_2008:r2 cpe:/o:microsoft:windows\_8 cpe:/o:microsoft:wind ows 8.1 OS details: Microsoft Windows 7 SP0 - SP1, Windows Server 2008 SP1, Windows Server 2008 R2, Windows 8. or Windows 8.1 Update 1 Network Distance: 1 hop Service Info: Host: WIN-N4MI1AI4PS1; OS: Windows; CPE: cpe:/o:microsoft:windows

Flag: oX

2. 在本地 PC 的渗透测试平台 Kali 中,使用命令初始化 MSF 数据

库并将此命令作为 Flag 值提交;

使用命令msfdb init 初始化msf 数据库

root@kali:~# msfdb init
A database appears to be already configured, skipping initialization
root@kali:~#

Flag:msfdb init

3. 在本地 PC 的渗透测试平台 Kali 中,打开 MSF,使用 db\_import 将扫描结果导入到数据库中,并查看导入的数据,将查看该数据要使 用的命令作为 Flag 值提交;

首先使用命令 msfconsole 打开渗透测试平台

re	oot	Kali	-# msfconsole	
#	cov	vsay+-	+	
<	met	asplo	pit >	
		``	())\ ())\      *	
+		]= ]=	<pre>metasploit v4.16.48-dev 1749 exploits - 1002 auxiliary - 302 post</pre>	]
+ +		=[ =[	536 payloads - 40 encoders - 10 nops Free Metasploit Pro trial: http://r-7.co/trymsp	]

## msf >

然后使用命令 db\_import /root/target, 导入之前扫描后导入到 xml 文件的的

结果

msf > db\_import /root/target
[\*] Importing 'Nmap XML' data
[\*] Import: Parsing with 'Nokogiri v1.8.1'
[\*] Importing host 172.16.1.6
[\*] Successfully imported /root/target
msf >

## 再使用命令 services 查看所导入的数据

172.16.1.6	21	tcp	ftp	open	Microsoft ftpd
172.16.1.6	23	tcp	telnet	open	Microsoft Windows XP telnetd
172.16.1.6	80	tcp	http	open	Microsoft IIS httpd 6.0
172.16.1.6	135	tcp	msrpc	open	Microsoft Windows RPC
172.16.1.6	139	tcp	netbios-ssn	open	Microsoft Windows netbios-ssn
172.16.1.6	1026	tcp	msrpc	open	Microsoft Windows RPC
172.16.1.6	1027	tcp	msrpc	open	Microsoft Windows RPC
172.16.1.6	1433	tcp	ms-sql-s	open	Microsoft SQL Server 2005 9.00.1399.00; RTM
172.16.1.6	2383	tcp	ms-olap4	open	
172.16.1.6	3389	tcp	ms-wbt-server	open	Microsoft Terminal Service

最后使用命令 hosts 查看主机的数据

<u>msf</u> > hosts Hosts =====

address	mac	name	os_name		os_flavor	os_sp	purpose	info	comments
172.16.1.1	00:0c:29:70:e3:20		Windows	2003			server		
172.16.1.4	00:0c:29:13:25:ff		ESXi			5.X	device		
172.16.1.6	52:54:00:45:ab:4b		Windows	XP			client		
172.16.1.8	00:0c:29:c4:80:0e		Linux			2.6.X	server		

Flag: hosts

4.在MSF工具中用 search 命令搜索 CVE-2019-0708 漏洞利用模
块,将回显结果中的漏洞公开时间作为 Flag 值(如: 2017-10-16)
提交;

<u>msf6</u> > search cve-2019-0708

Matching Modules

#	Name	Disclosure Date	Rank	Check	Description		
-	<u> </u>						
0	auxiliary/scanner/rdp/cve_2019_0708_bluekeep	2019-05-14	normal	Yes	CVE-2019-0708 BlueKeep Mi		
crosoft Remote Desktop RCE Check							
1	exploit/windows/rdp/cve_2019_0708_bluekeep_rce	2019-05-14	manual	Yes	CVE-2019-0708 BlueKeep RD		
P Rem	ote Windows Kernel Use After Free						

Flag: 2019-05-14

5. 在 MSF 工具中调用 CVE-2019-0708 漏洞攻击模块,并检测靶机

是否存在漏洞,将回显结果中最后一个单词作为Flag值提交。

msf5 exploit(windows/rdp/cve\_2019\_0708\_bluekeep\_rce) > check

[+] 172.16.1.200:3389 - The target is vulnerable. The target attempted cleanup of the incorrect ly-bound MS\_T120 channel. [+] 172.16.1.200:3389 - The target is vulnerable. The target attempted cleanup of the incorrectly-b ound MS\_T120 [channel]. msf5 exploit(windows/rdp/cve\_2019\_0708\_bluekeep\_rce) >

Flag:channel