PSP0201 Week 2 write up

Group name: Supreme Chickens

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Day1 [Web Exploitation]-A Christmas Crisis

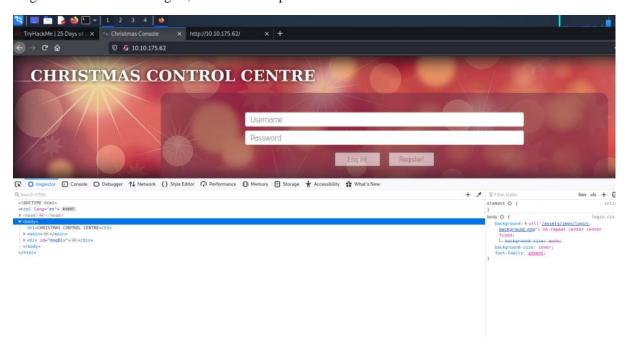
Solutions/Walkthrough

Tools used: Kali Linux

Q1 Inspect the website. What is the title of the website?

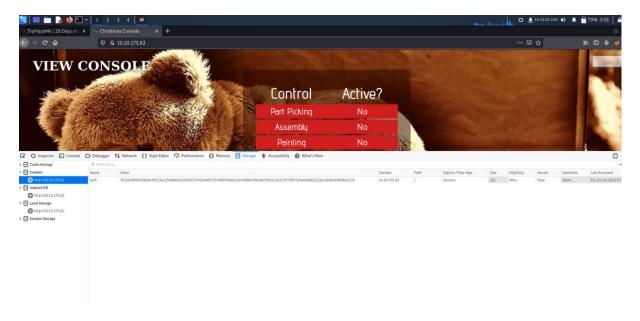
SOLUTION:

Register a account and login, after that I inspected the web and found the title of the website



Q2 What is the cookie used for authentication

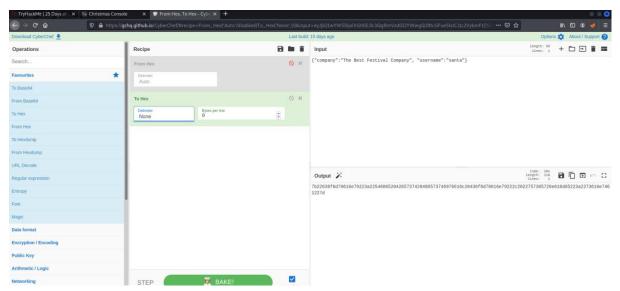
SOLUTIONS: After I found the web name I also have found the cookie name



- Q3 In what formed is value of the cookies encoded
- Q4 Having decoded the cookie, what format is the cookie stored in
- Q5 What is the value in the company field in the cookies
- Q6 What is the other value found in the cookies
- Q7 What is the value of the santa?

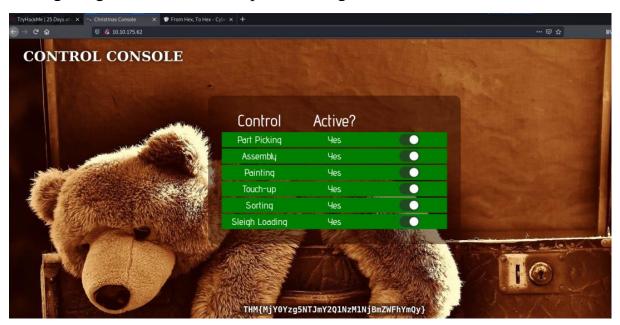
SOLUTION:

Based on the cookie we could know that it's a hex based. After I decoded it we can see the output is using JSON format and I have also changed the username from the output given to santa since santa's account name is santa so that I am able to get santa's cookie value. The value in the company field is The Best Festival Company and we can see that the other value is "username".



Q8 What is the flag you are given when the line is fully active SOLUTION:

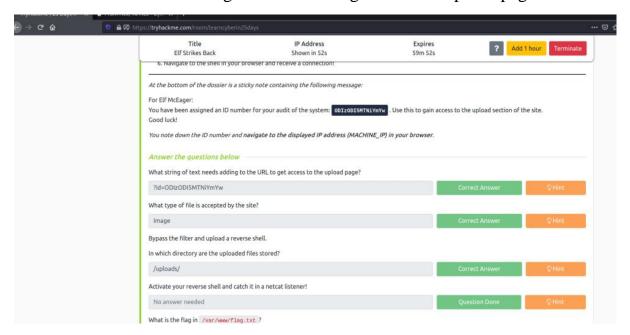
After getting santa's cookie, I replace the org cookies' value to the santa's one.



DAY2- [WEB EXPLOITATION] THE ELF STRIKE BACK

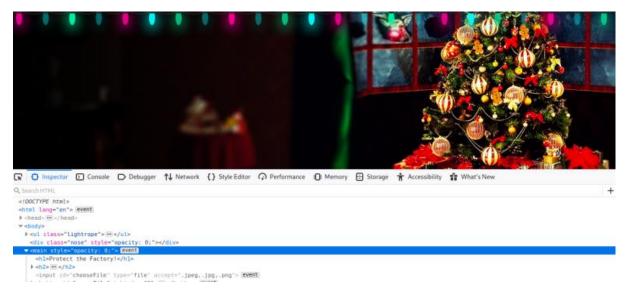
Q1 What string of the text needs adding to the URL to get access to the upload page

SOLUTION: From THM has given the hint to get us to the upload page



Q2 What type of file is accepted by the site

SOLUTION: After inspecting the web, I know that the web is only accepting image



Q3 In which directory are the uploaded files stored at

SOLUTION: Based on the information given by THM I was able to reach the upload page by guessing each of them

when implementing an upload system, it's good practice to upload the files to a directory that can't be accessed remotely. Unfortunately, this is often not the ase, and scripts are uploaded to a subdirectory on the webserver (often something like /uploads , /images , /media , or /resources). For example, we might e able to find the uploaded script at https://www.thebestfestivalcompany.xyz/images/shell.jpg.php .

Q4 Read up on the netcat's parameter explanations. Match the parameter with the explanation below

Q5 What is the flag in /var/www/flag.txt

SOLUTION: I have match the parameter with the information given in this website (https://www.varonis.com/blog/netcat-commands) and I was able to retrieved the flag after activated netcat.



DAY3 – [WEB EXPLOITATION] Christmas Chaos

TOOLS USED: Burpsuite, foxyproxy

Q1 What is the name of the botnet mentioned in the text that was reported in 2018?

SOLUTION:

Default Credentials

You've probably purchased (or downloaded a service/program) that provides you with a set of credentials at the start and requires you to change the password after it's set up (usually these credentials that are provided at the start are the same for every device/every copy of the software). The trouble with this is that if it's not changed, an attacker can look up (or even guess) the credentials.

What's even worse is that these devices are often exposed to the internet, potentially allowing anyone to access and control it. In 2018 it was reported that a botnet (a number of internet-connected devices controlled by an attacker to typically perform DDoS attacks) called Mirai took advantage of Internet of Things (IoT) devices by remotely logging, configuring the device to perform malicious attacks at the control of the attackers; the Mirai botnet infected over 600,000 IoT devices mostly by scanning the internet and using default credentials to gain access.

Q2 How much did Starbucks pay in USD for reporting default credentials according to the text?

SOLUTION:

250 dollars

Q3: Read the report from Hackerone ID:804548 - who was the agent assigned from the Dept of Défense that disclosed the report on Jun 25th?



Q4: Examine the options on FoxyProxy on Burp. What is the port number for Burp?

Q5: Examine the options on FoxyProxy on Burp. What is the proxy type?

SOLUTION: Its HTTP and port 8080



Q6: Experiment with decoder on Burp. What is the URL encoding for "PSP0201"?

SOLUTION:

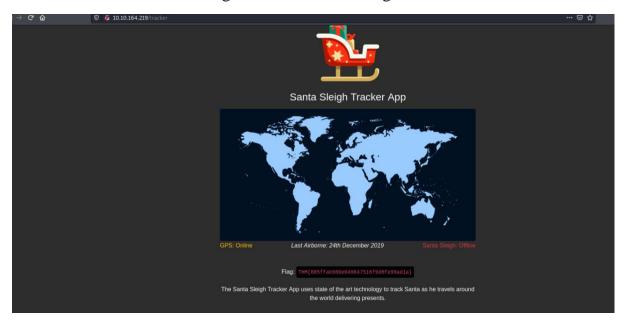


Q7 Look at the list of attack type options on intruder. Which of the following options matches the one in the description?

SOLUTION: Cluster bomb uses multiple payload sets. Different payload for each defined position up to maximum 20.

Q8 What is the flag?

SOLUTION: Found the flag after brute force login the website



DAY4 – [WEB EXPLOITATION] Santa's watching

TOOLS USED: Kali Linux, gobuster, wfuzz

Q1 Given the URL "http://shibes.xyz/api.php", what would the entire wfuzz command look like to query the "breed" parameter using the wordlist "big.txt" (assume that "big.txt" is in your current directory)

SOLUTION:



Q2 Use GoBuster (against the target you deployed -- not the shibes.xyz domain) to find the API directory. What file is there?

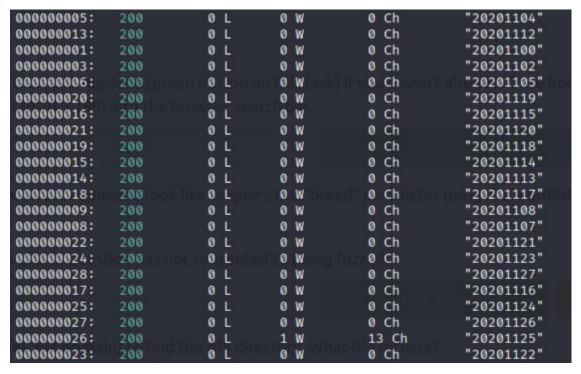
SOLUTION: Found a site-log.php

Index of /api



Q3: Fuzz the date parameter on the file you found in the API directory. What is the flag displayed in the correct post?

SOLUTION: After fuzzing we got the date parameter and got the flag.





THM{D4t3 AP1}

Q4: Look at wfuzz's help file. What does the -f parameter store results to?

SOLUTION: Printer and filename.

DAY5 – [WEB EXPLOITATION] Someone stole Santa's gift list!

TOOLS USED: Kali Linux, Sql, Burpsuite

Q1: What is the default port number for SQL Server running on TCP?

SOLUTION: According to google, its TCP 1433

Q2: Without using directory brute forcing, what's Santa's secret login panel?

SOLUTION: From the hint given we can guess it is /santapanel



Q3: What is the database used from the hint in Santa's TODO list?

Q4: How many entries are there in the gift database?

Q5: What is James' age?

Q7: What is the flag?

Q8: What is admin's password?

SOLUTION: After saved the file from burpsuite repeater, I use "sqlmap -r filename" to request in SQLMap with "—tamper=space2comment" to bypass the WAF and "—dbms" to tell SQLMap the type of the database running with "—dump-all" to dump the entire database and finally we reached the answers.

kid	+	title	
James	8	shoes I	
John	l å	skateboard	
Robert	17	iphone	
Michael	5		
William	6	playstation xbox	
David	6		
		candy	
Richard	9	books	
Joseph	7	socks	
Thomas	10	10 McDonalds meals	
Charles	3	toy car	
Christopher	8	air hockey table	
Daniel	12	lego star wars	
Matthew	15	bike	
Anthony	3	table tennis	
Donald	4	fazer chocolate	
Mark	17	wii	
Paul	9	github ownership	
James	8	finnish-english dictionary	
Steven	11	laptop	
Andrew	16	rasberry pie	
Kenneth	19	TryHackMe Sub	
Joshua	12	chair	