Abdelrahman mohamed Abdo 2305618

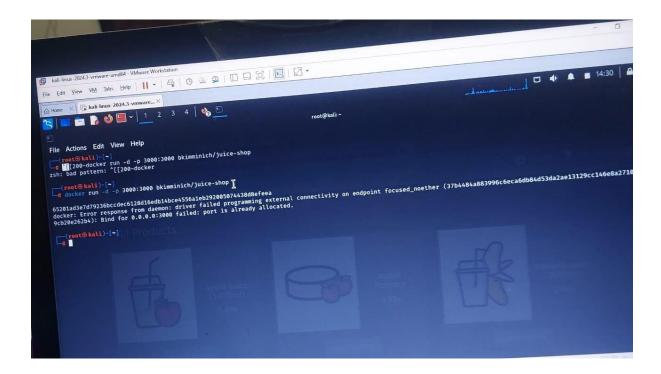
Abdullah Mohamed 2305

Report on project cyber security Web security Hack (owasp juice shop)

First

we will prepare the work environment.

We will upload the site to Kali via dokur. Then, we will run it on Kali on the LocalHost 3000 server.





To search path Admin We use Tools call **ffuf**

The commend → ffuf -u http://juice-shop.herokuapp.com /FUZZ -w common.txt

The commend will search for admin path by brut force

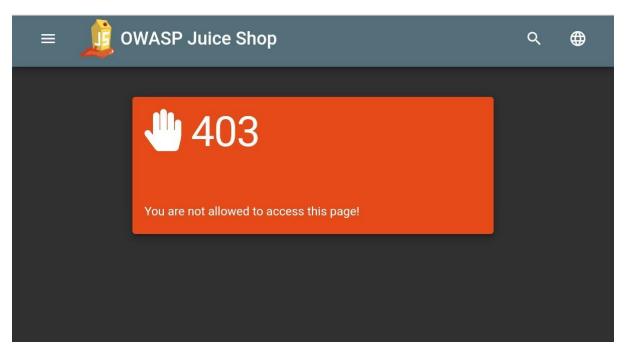
Admin	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 85ms]
admin	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 90ms]
ADMIN	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 86ms]
admin.php	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 87ms]
admin.cgi	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 88ms]
admin.pl	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 86ms]
admin_	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 88ms]
admin_area	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 89ms]
admin_banner	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 89ms]
admin_index	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 85ms]
admin_interface	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 86ms]
admin_login	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 89ms]
admin_c	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 90ms]
admin_logon	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 90ms]
admin2	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 93ms]
admin1	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 94ms]
admin4_account	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 93ms]
admin3	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 95ms]
admin4_colon	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 93ms]
admin-admin	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 93ms]
admincontrol	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 90ms]
admin-console	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 96ms]
admincp	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 91ms]
adminhelp	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 87ms]
admin-interface	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 87ms]
administer	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 88ms]
administr8	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 86ms]
administracion	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 87ms]
administrador	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 85ms]
administrat	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 89ms]
administration	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 88ms]
administratie	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 88ms]
administrator	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 90ms]
Administration	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 91ms]
administrators	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 86ms]
administratoraccounts	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 87ms]
administrivia	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 89ms]
adminlogin	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 85ms]
adminlogon	[Status: 200, Size: 3748, Words: 266, Lines: 30, Duration: 85ms]

After search for admin path

It display all of Paths and take 200 OK, 300, 400, 403

We found Admin path is → administration

If we try it the website will display this message



This message mean we don't have allowed this page

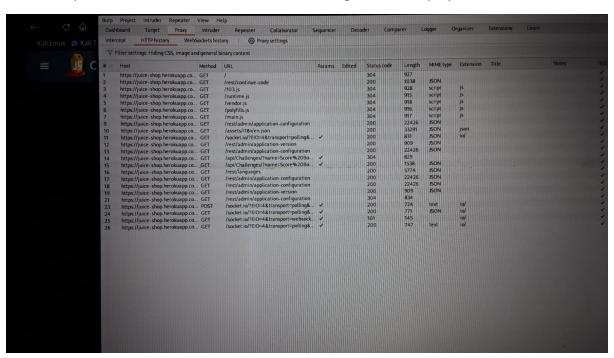
Then this is admin page

Web structure

We usd tool call birub suit

We adjust the proxy settings

Then we open the site, brub suit will track the site signals and display them



This traffic in website

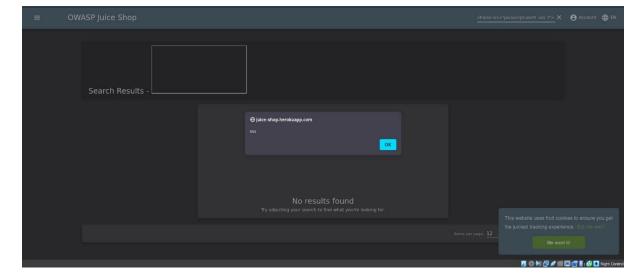
The structure

https://juice-shop.herokuapp.com/#/ → mian page

https://juice-shop.herokuapp.com/#/login → login page

https://juice-shop.herokuapp.com/#/administration → admin page

https://juice-shop.herokuapp.com/#/register



XSS→ It is a loophole within websites that can be exploited so that the hacker can send a link, button, video, or JavaScript code to steal cookies or make the user enter another page and steal his data.

We ues code → <iframe src="Javascript is:alert ('XSS')">

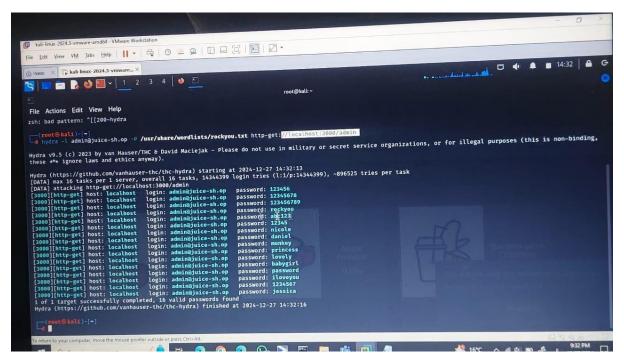
This commend will input in any field (search, login,....etc)

After we can send any code to steal data or steal cookies

Hydra

This commend from brut force

But it find password :By guessing, he calls a specific file containing many passwords and tries them one by one until he reaches the appropriate passwords. After that, the hacker tries until he reaches the appropriate password.



Maybe one of them is right.

SQL Ingiction

This way to access database of website

