Project:

Ethical Hacking

Detailed Developer Level Report

OCTOBER 2021

Security-status

Extremely vulnerable

SQLi

Hackers can steal all the information from the database.

Insecure File Upload

with/Without getting admin access a hacker can upload any file even in the shell.

PII Leakage

Hacker's were able to find personal information of seller such as PAN no. as well as costumers contact no. etc

IDOR

Hackers can access the content even another' space

XSS

Cross Site Scripting Hackers can take advantage of untrusted user input within a web page.

Vulnerabilities :

- Severe
- Critical
- Moderate
- Low

1. SQLi
2. XSS
3. Rate Limiting issue
4. File Inclusion Vulnerabilities
5. Components with Known Vulnerabilities
6. Open Redirection
7. Forced Browsing Vulnerabilities
8. PIILeakage
9. Command Execution Vulnerabilities
10. Cross Site Request Foregery
11. Weak Passwords
12. Insecure File Upload
13. Brute-Force Exploitation
14. IDOR
15. Client side Filter Bypass
16. Server Misconfiguration
17. Default Files & Pages

SQL Injection

Target site :Lifestyle Store

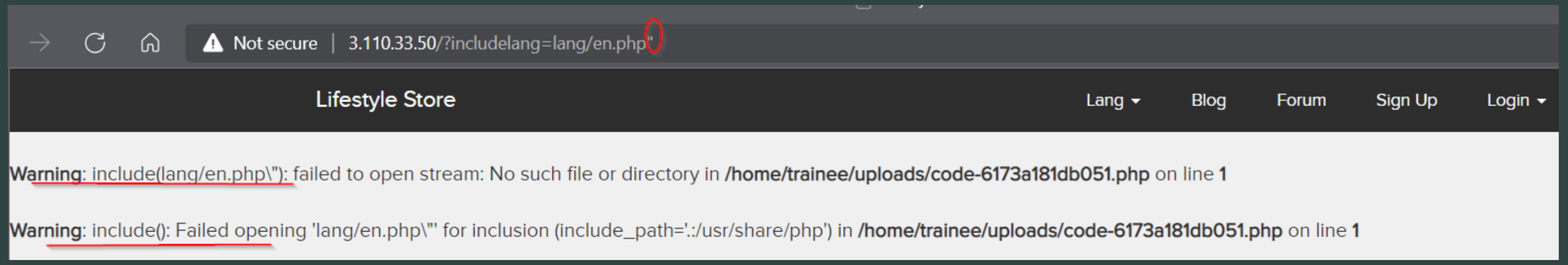
Attacks of sql injection looks like these:

anything' OR 'x'='x

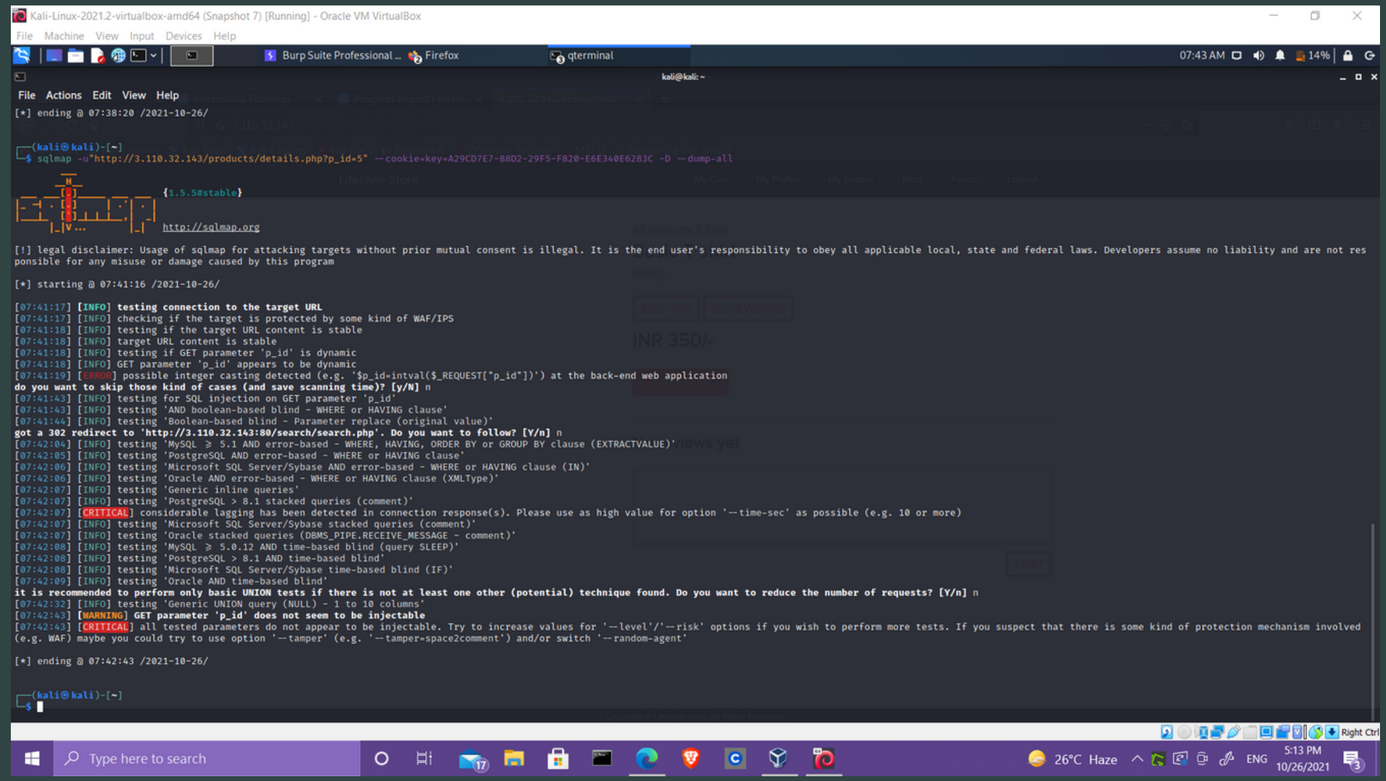
SELECT fieldlist
FROM table
WHERE field ='**steve@unixwiz.net**';

SELECT fieldlist
FROM table
WHERE field ='**$EMAIL**';

SQL injection is **a code injection technique that might destroy your database.** SQL injection is one of the most common web hacking techniques. SQL injection is the placement of malicious code in SQL statements, via web page input.

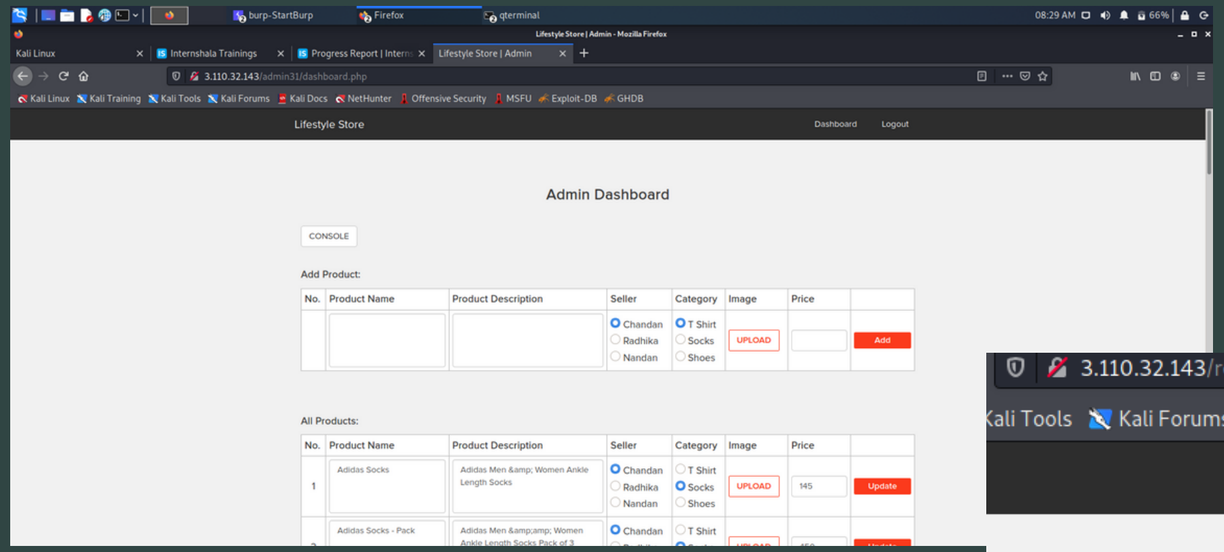


Automated and manual testing resullts playloads

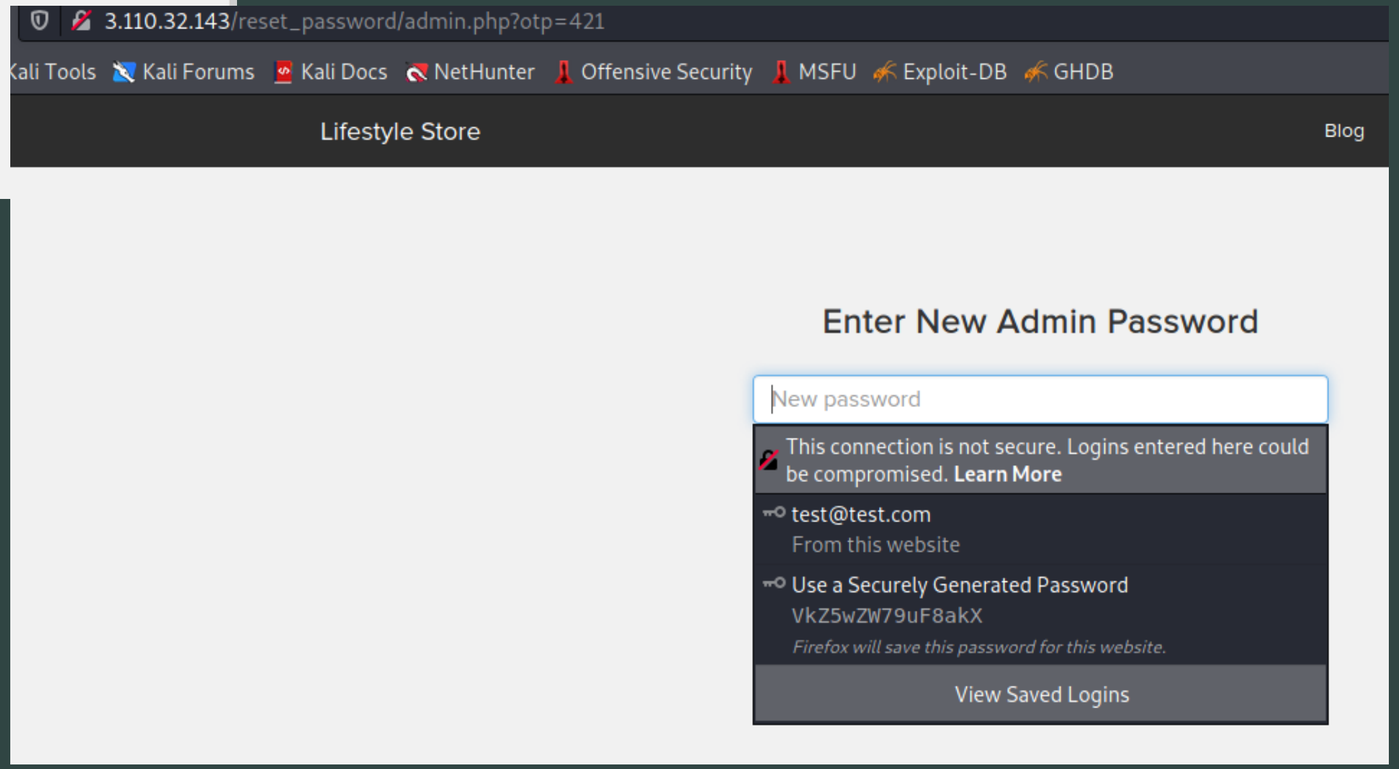


http://3.108.42.243/products.php

BruteForcing/RateLimiting



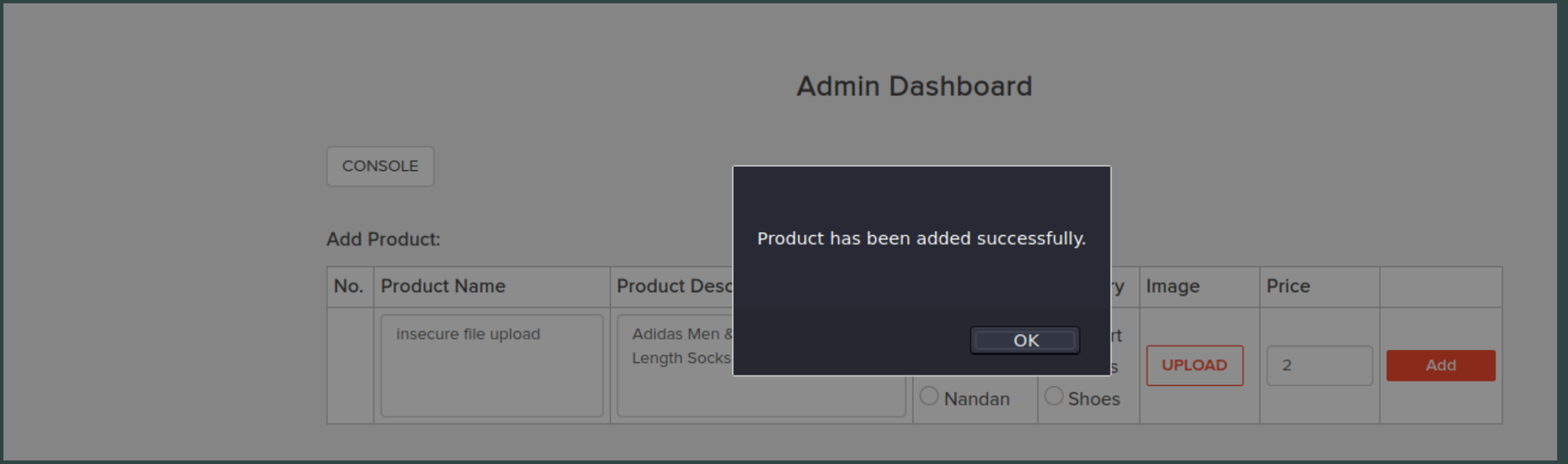
A **brute force attack**, or exhaustive search, is a cryptographic hack that uses trial-and-error to guess possible combinations for passwords used for logins, encryption keys, or hidden web pages.



rate limiting is used to **control the rate of requests sent or received by a network interface controller**. It can be used to prevent DoS attacks and limit web scraping.

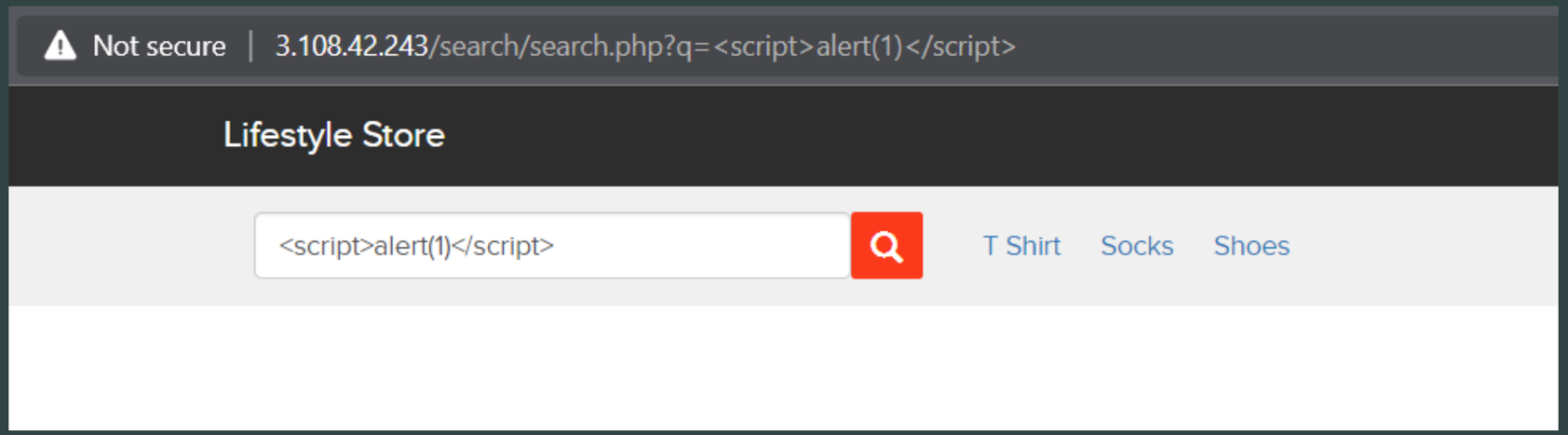
Admin access granted

Insecure File Upload



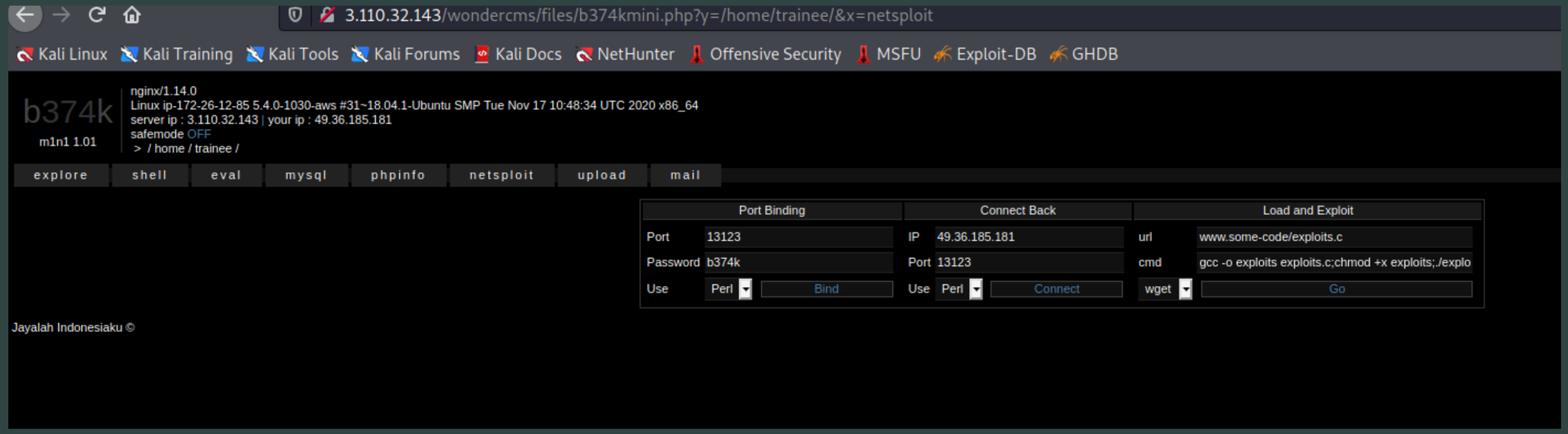
Insecure file upload is **abusing a web application's file upload functionality to upload a malicious file to the system with intentions to cause harm**.

Client Side Filter Bypass



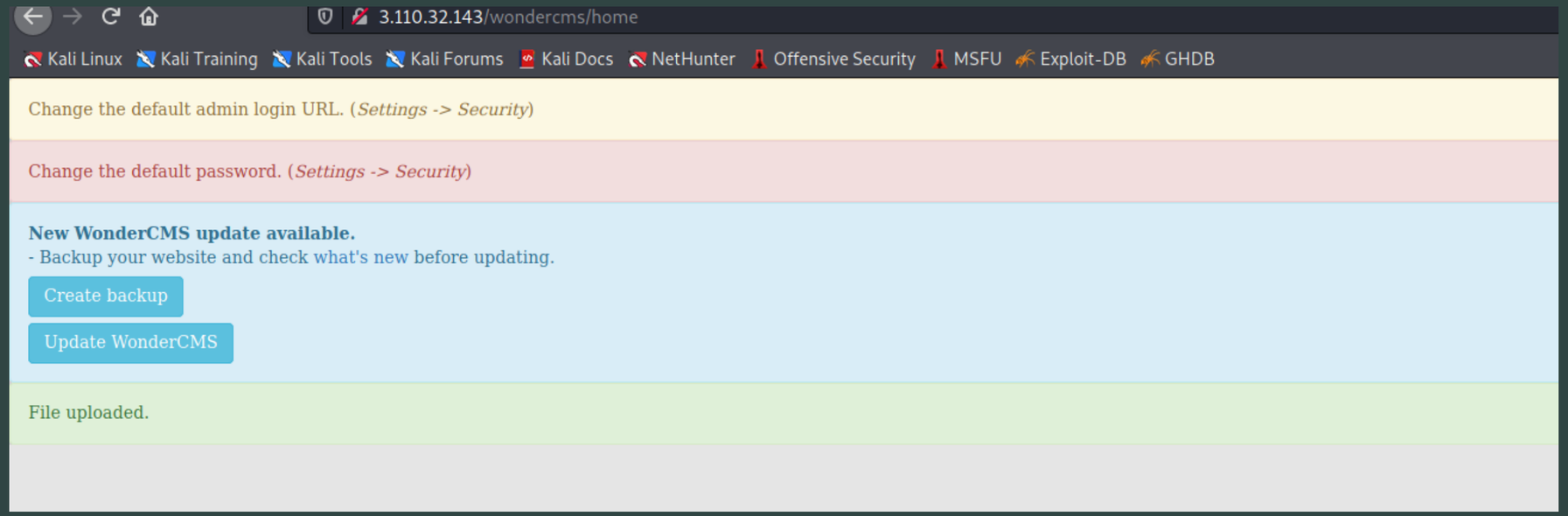
These filters **ensure that the input given by the user is in the correct format**. Basically, this filter validates the input, and then it is forwarded to the server-side

File Inclusion Vulnerabilities



A file inclusion vulnerability is a type of **web vulnerability** that is most commonly found to affect web applications that rely on a scripting run time. This issue is caused when an application builds a path to executable code using an attacker-controlled variable in a way that allows the attacker to control which file is executed at run time.

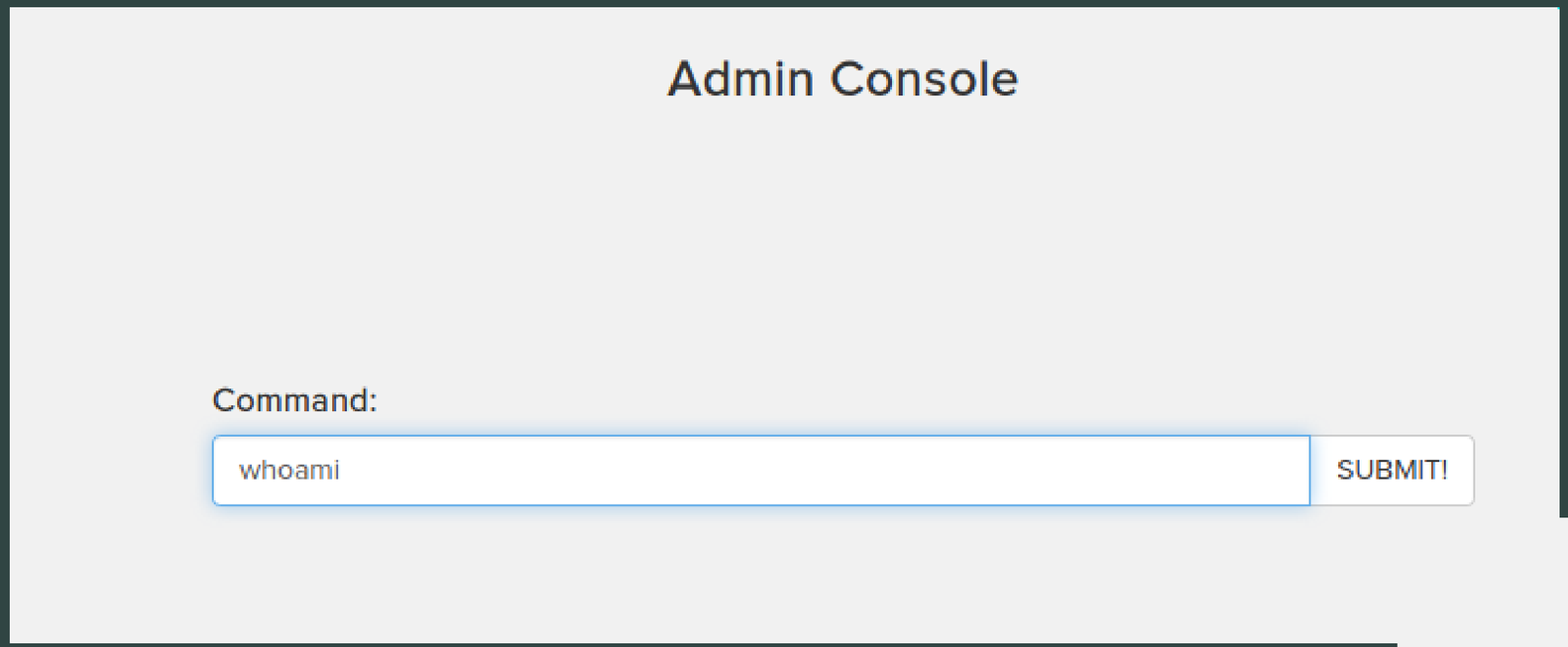
Server Misconfiguration

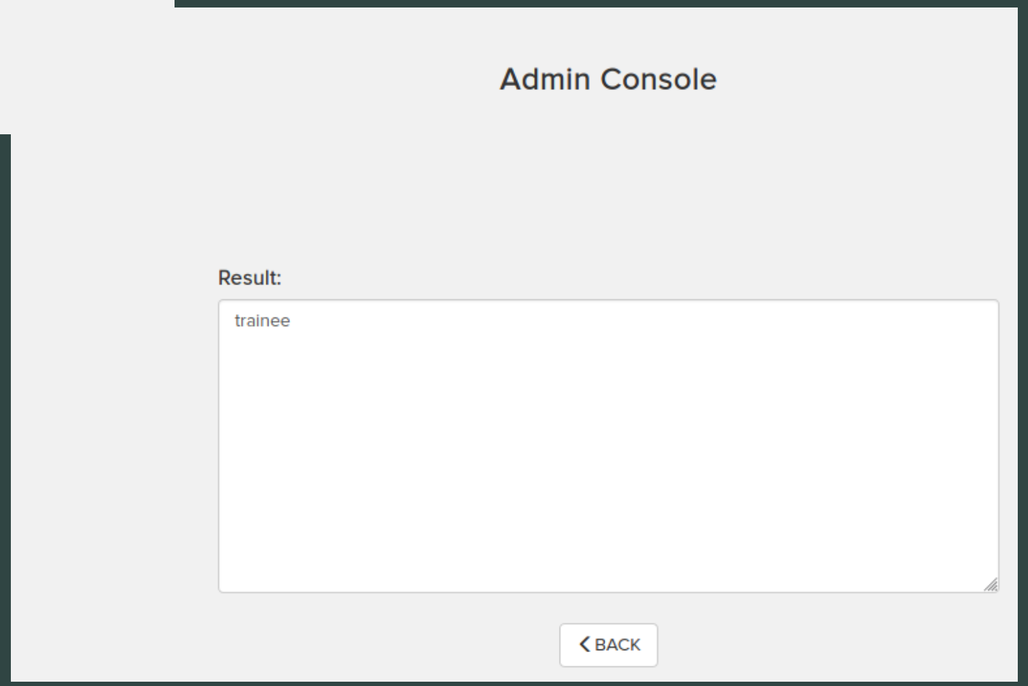


A Type of Insecure file upload

Server misconfiguration **attacks exploit configuration weaknesses found in web and application servers**. Many servers come with unnecessary default and sample files, including applications, configuration files, scripts, and webpages

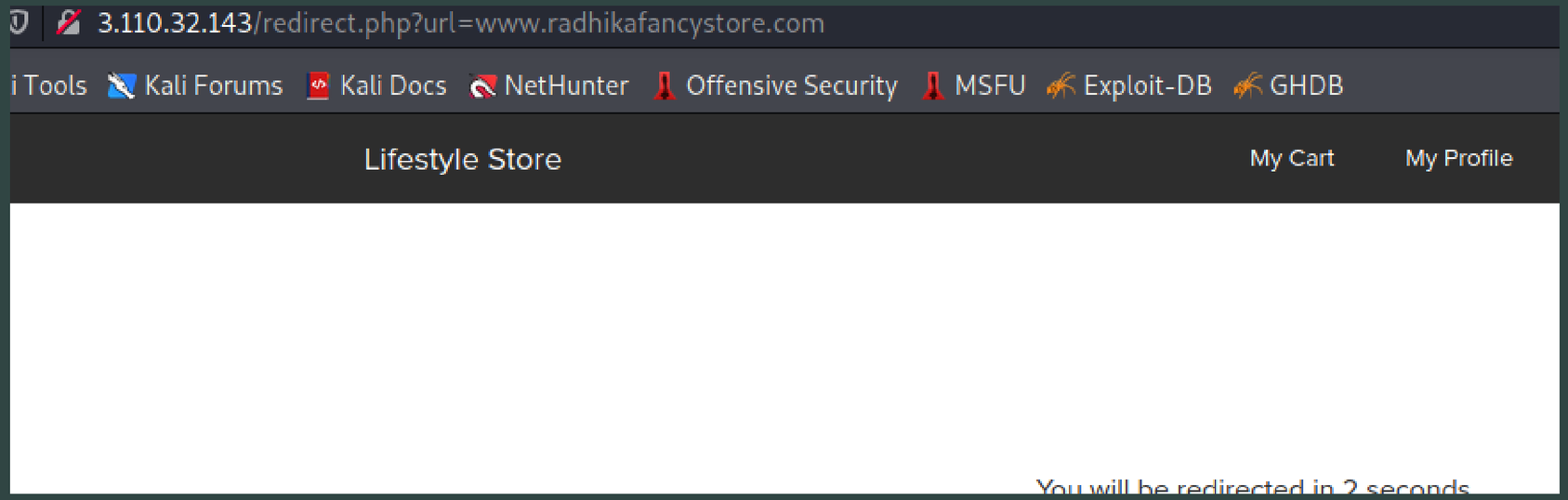
Components With Known Vulnerability





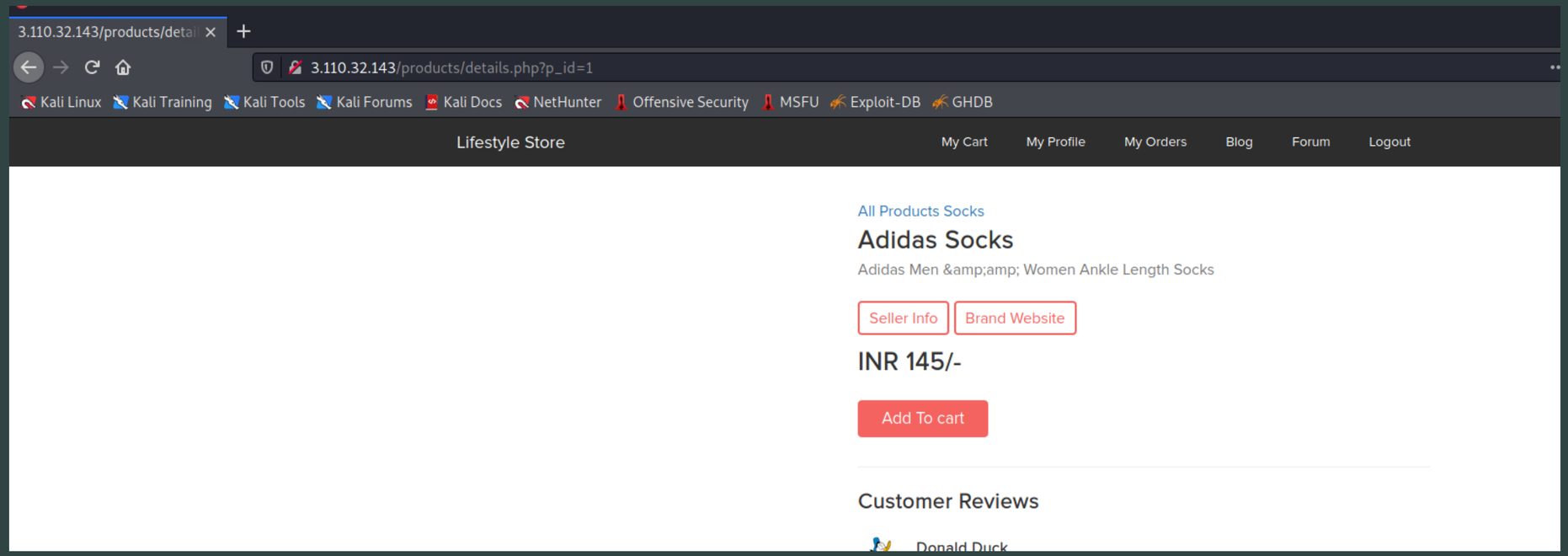
The component with a known vulnerability could be the **operating system itself, the CMS used, the web server**, some plugin installed or even a library used by one of these plugins.

Open Redirect



An attacker manipulating the user and redirecting them from one site to another site – which may be malicious.

Forced Browsing



Forced Browsing Vulnerability=

A Forced browsing attack is a vulnerability in which an unauthorized user has **access to the contents of an authorized user**. Forced browsing is an attack when a Web application has more than one user privilege level for the same user.

References

sqli =

10 Ways to Prevent or Mitigate SQL Injection Attacks | Enterprise Networking Planet

Brute Forcing =

How To Prevent Brute Force Attacks With 8 Easy Tactics | PhoenixNAP KB

Insecure file upload attack =

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Client side filterBypass =

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open redirect = https://secnhack.in/open-redirection-vulnerability-exploiting-and-mitigation

Server Misconfiguration = cypressdatadefense.com/blog/impact-of-security-misconfiguration/

componets with known vulnerabilities = www.c-sharpcorner.com/article/using-components-with-known-vulnerabilities/

Forced Browsing = https://owasp.org/www-community/attacks/Forced_browsing


THANK
YOU