

Website Penetration Testing-Database Tools Usage

sqlmap

sqlmap is an open source penetration testing tool that automates the process of detecting and exploiting SQL injection flaws and taking over of database servers. It comes with a powerful detection engine, many niche features for the ultimate penetration tester and a broad range of switches lasting from database fingerprinting, over data fetching from the database, to accessing the underlying file system and executing commands on the operating system via out-of-band connections.

Let's learn how to use sqlmap.

Step 1 – To open sqlmap, go to Applications → 04-Database Assessment → sqlmap.



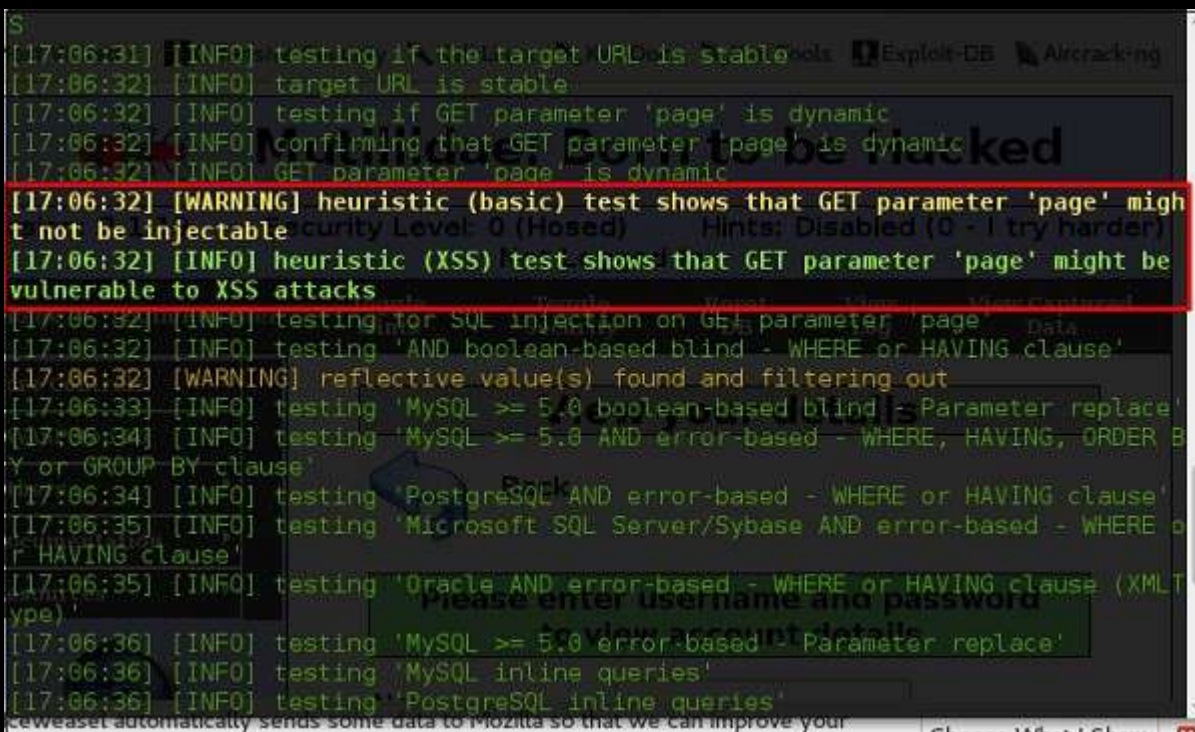
The webpage having vulnerable parameters to SQL Injection is metasploitable.



Step 2 – To start the sql injection testing, type “sqlmap – u URL of victim”

```
root@kali:~# sqlmap -u http://192.168.1.101/mutillidae/index.php?page=user-info.php&username=%27&password=&user-info-php-submit-button=View+Account+Details
```

Step 3 – From the results, you will see that some variable are vulnerable.



sqlninja

sqlninja is a SQL Injection on Microsoft SQL Server to a full GUI access. sqlninja is a tool targeted to exploit SQL Injection vulnerabilities on a web application that uses Microsoft SQL Server as its back-end. Full information regarding this tool can be found on <http://sqlninja.sourceforge.net/>

Step 1 – To open sqlninja go to Applications → 04-Database Assesment → sqlninja.

