Minor 2 Project Report

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Course: B.Tech CSE (Core)
Project Title: Metasploitable Setup & Mutillidae II Fix

Objective

The objective of this project is to install and configure Metasploitable in a virtualized environment and resolve the Mutillidae II database error to demonstrate secure and insecure web application Behavior.

System Configuration

Host OS: Kali Linux (Bare-Metal)
Virtualization Tool: VirtualBox
Target Machine: Metasploitable2

Step-by-Step Implementation

1. Installed VirtualBox on Kali Linux.
2. Downloaded and imported Metasploitable2 virtual machine.
3. Logged into Metasploitable using default credentials.
4. Created a new user inside Metasploitable.
5. Took a snapshot after user creation.
6. Started MySQL service and fixed Mutillidae II database issue.
7. Verified Mutillidae II is running successfully in browser.

Commands Used

sudo apt install virtualbox -y
sudo useradd -m A.K.Singh
sudo passwd A.K.Singh
sudo service mysql start
sudo chmod -R 777 /var/www/mutillidae
mysql -u root
CREATE DATABASE mutillidae;

Verification & Proof

Screenshots are attached showing Metasploitable running, user creation, snapshot taken, and Mutillidae II working without errors.

Conclusion

This project successfully demonstrates the setup of a vulnerable system and the resolution of a common web application database issue, enhancing practical understanding of system security.