Experiment No. 7

Title: Introduction to Burp

Roll No.: 16010423076 **Experiments No.:7**

Aim : To install and understand the basic functionality of Burp Suite

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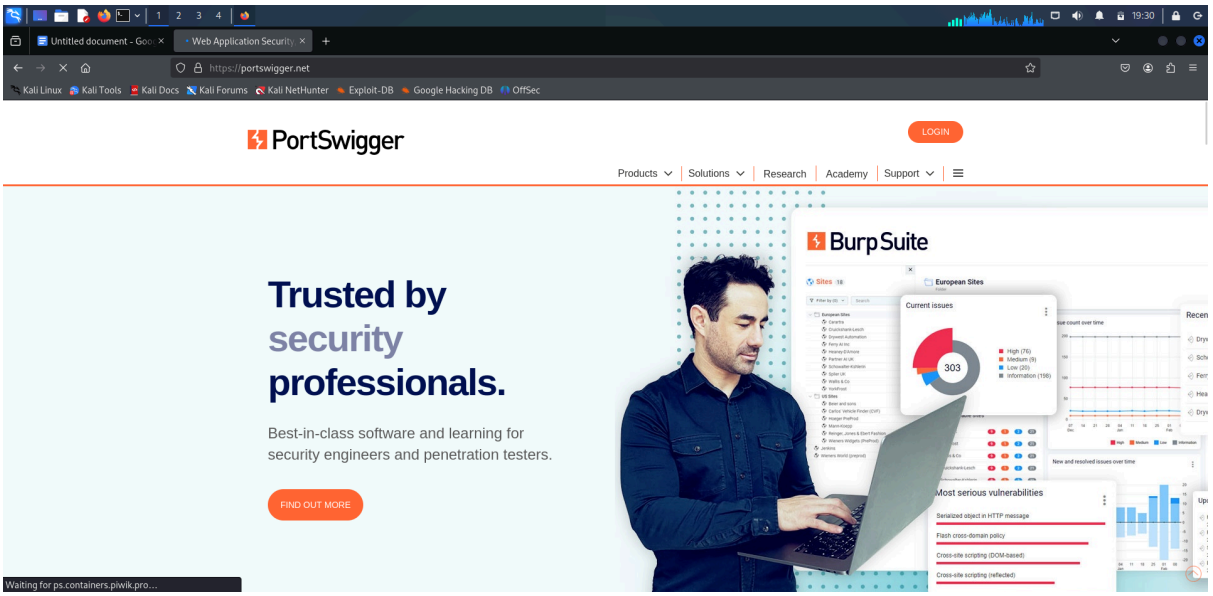
Resources : Linux Machine, Internet, Browser

Theory:
Burp Suite is a web security testing tool widely used for penetration testing. It allows security researchers to analyze, intercept, and modify web traffic between a browser and a server. The core features include Proxy, Intruder, Repeater, and Scanner. In this experiment, we will set up Burp Suite as a proxy, configure Firefox to route traffic through it, and intercept HTTP requests. This helps in understanding how web applications communicate and where vulnerabilities may exist.

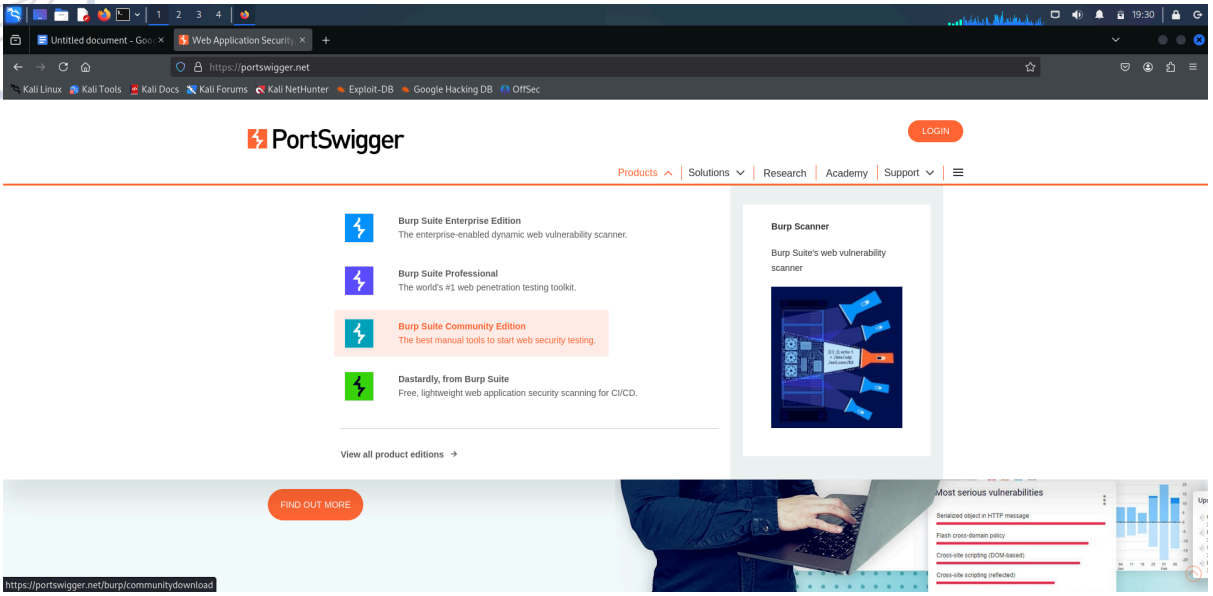
IMPLEMENTATION AND RESULTS:

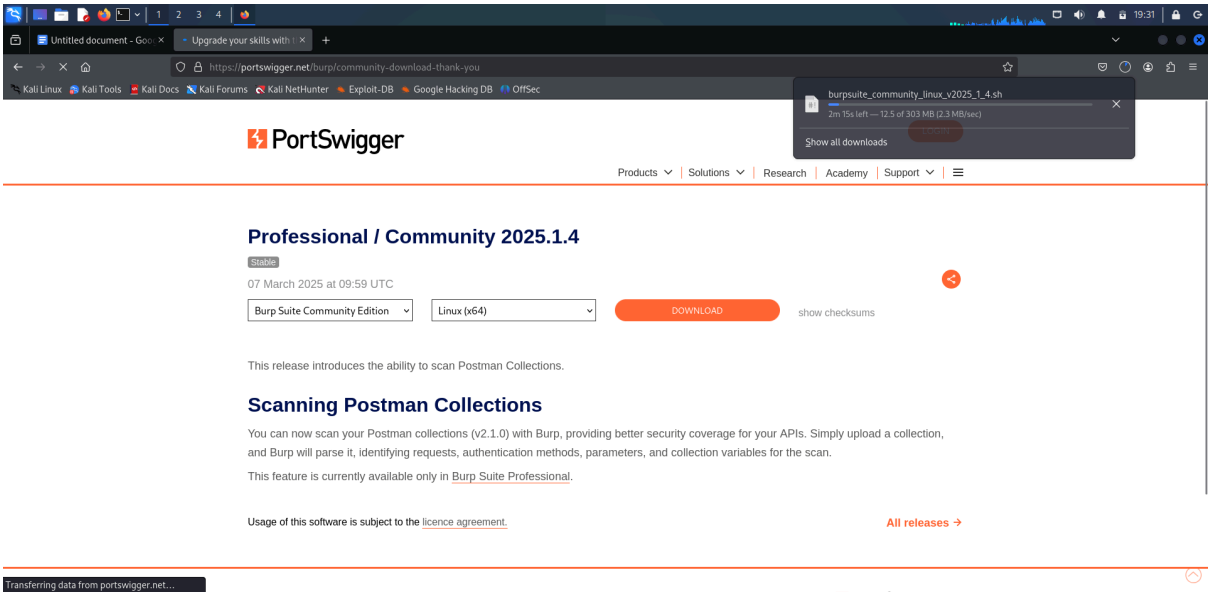
1. Download and Install Burp Suite (Community Edition)

- Go to PortSwigger's website.



- Download the Community Edition (free version).



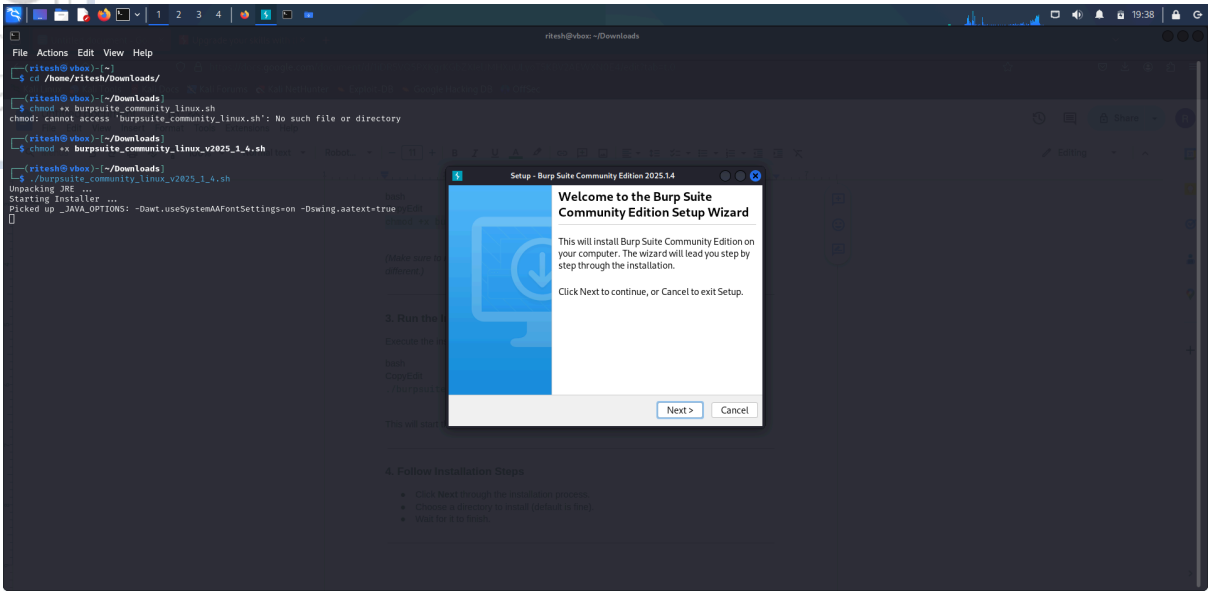


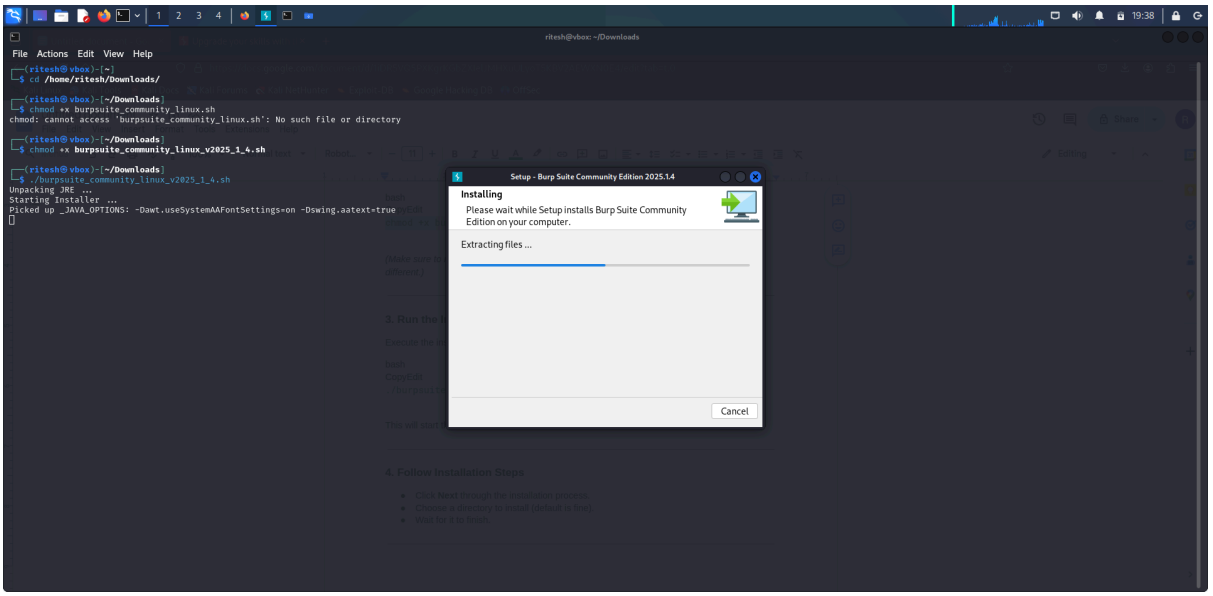
- Install it on your system (Kali Linux or Windows)

  1. Move to the Downloads Directory

  2. Make the .sh File Executable

  3. Run the Installer


File Actions Edit View Help
(ritesh㉿vbox)-[~]
$ cd /home/ritesh/Downloads/
(ritesh㉿vbox)-[~/Downloads]
$ chmod +x burpsuite_community_linux.sh
chmod: cannot access 'burpsuite_community_linux.sh': No such file or directory
(ritesh㉿vbox)-[~/Downloads]
$ chmod +x burpsuite_community_linux_v2025_1_4.sh
(ritesh㉿vbox)-[~/Downloads]
$ ./burpsuite_community_linux_v2025_1_4.sh
Unpacking JRE ...
Starting Installer ...
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Setup - Burp Suite Community Edition 2025.1.4
Welcome to the Burp Suite Community Edition Setup Wizard
This will install Burp Suite Community Edition on your computer. The wizard will lead you step by step through the installation.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel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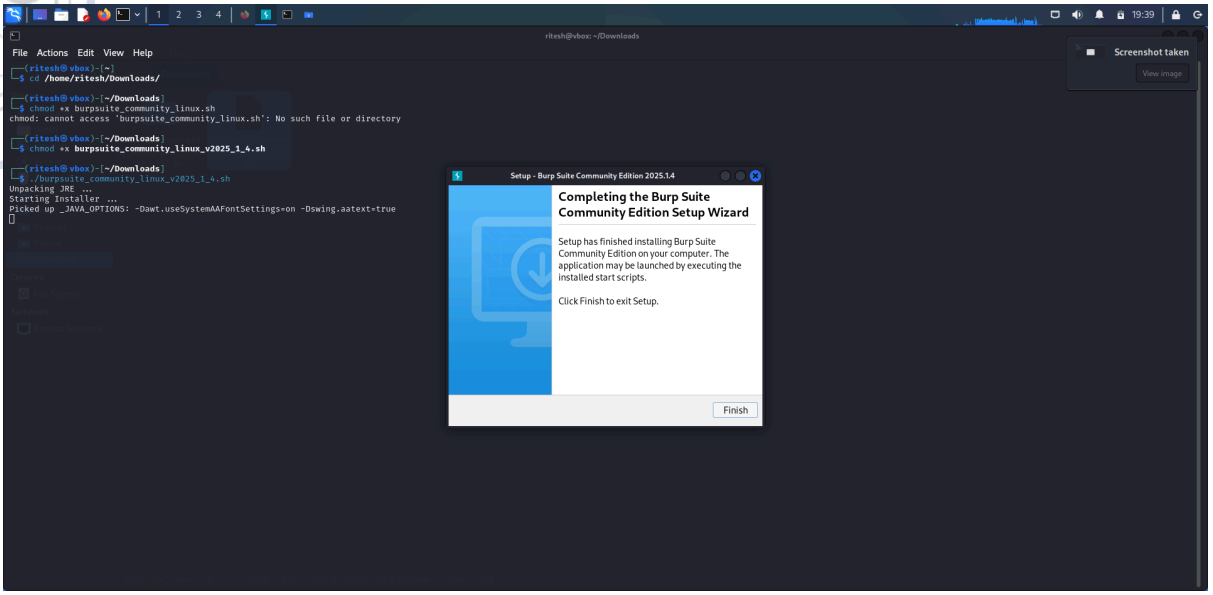
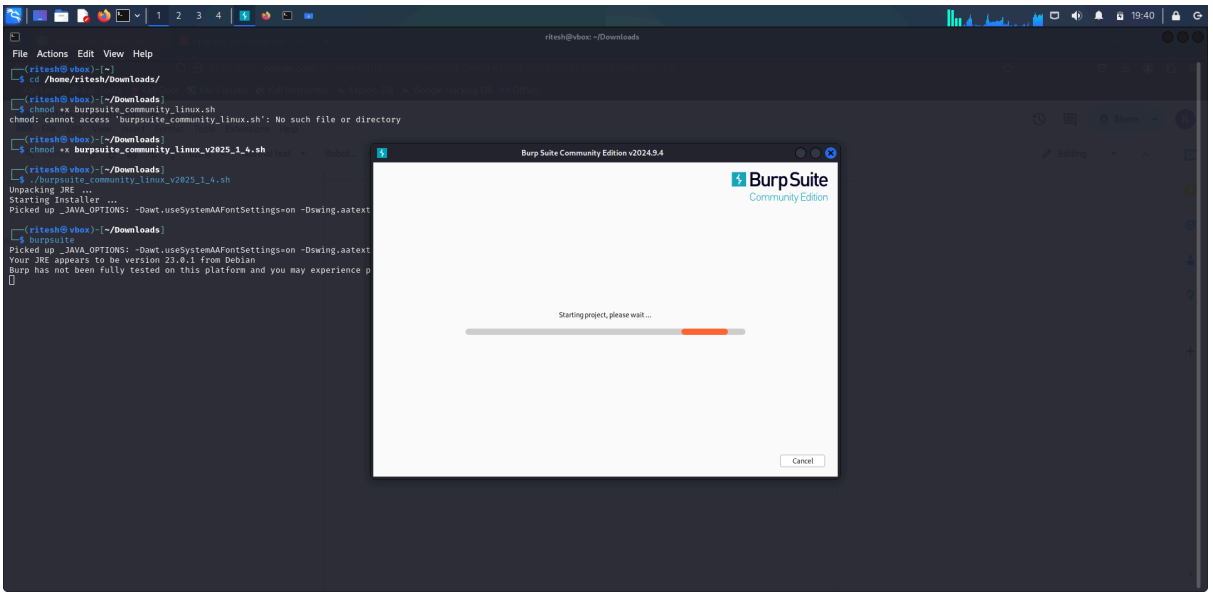
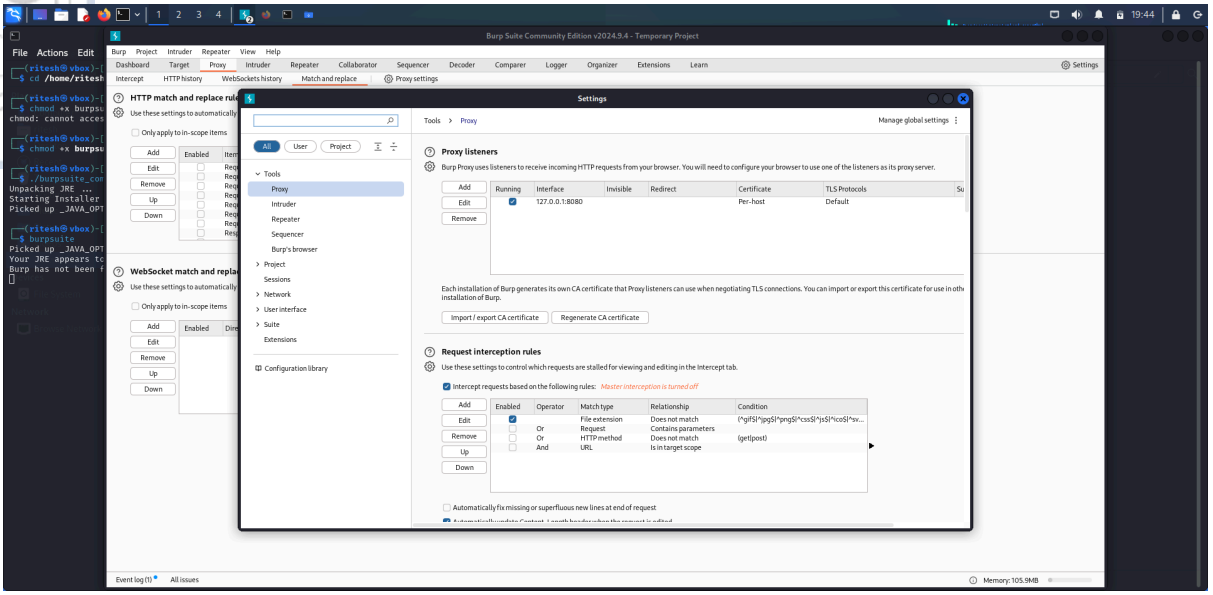
Setup - Burp Suite Community Edition 2025.1.4
Installing
Please wait while Setup installs Burp Suite Community Edition on your computer.
Extracting files ...
Cancel





2. Configure Proxy in Burp Suite

- Open Burp Suite and go to Proxy > Options.
- Ensure the proxy listener is enabled on 127.0.0.1:8080.



Outcomes: CO3: Understand attack methodology

Conclusion: (Conclusion to be based on the objectives and outcomes achieved)

From this experiment, I learned how to set up Burp Suite and use it to intercept web traffic. Configuring the proxy settings in Firefox allowed me to monitor and analyze HTTP requests in real time. This experiment gave me a foundational understanding of how penetration testers use Burp Suite to inspect network traffic and identify vulnerabilities in web applications.

Grade: AA / AB / BB / BC / CC / CD /DD

Signature of faculty in-charge with date

REFERENCES:

https://portswigger.net/burp/documentation

https://www.mozilla.org/en-US/firefox/new/

http://testphp.vulnweb.com