LOCAL FILE INCLUSION (LFI)

AGENDA

- 1.Introduction of LFI
- 2.Execution of LFI
- 3.Images of Information captured
- 4. Fixing of LFI
- 5.Impact of LFI

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1.INTRODUCTION

The process of including files, that are already locally present on the server, through the exploiting of vulnerable inclusion procedures implemented in the application.

EX:-User log files, Server Configuration files

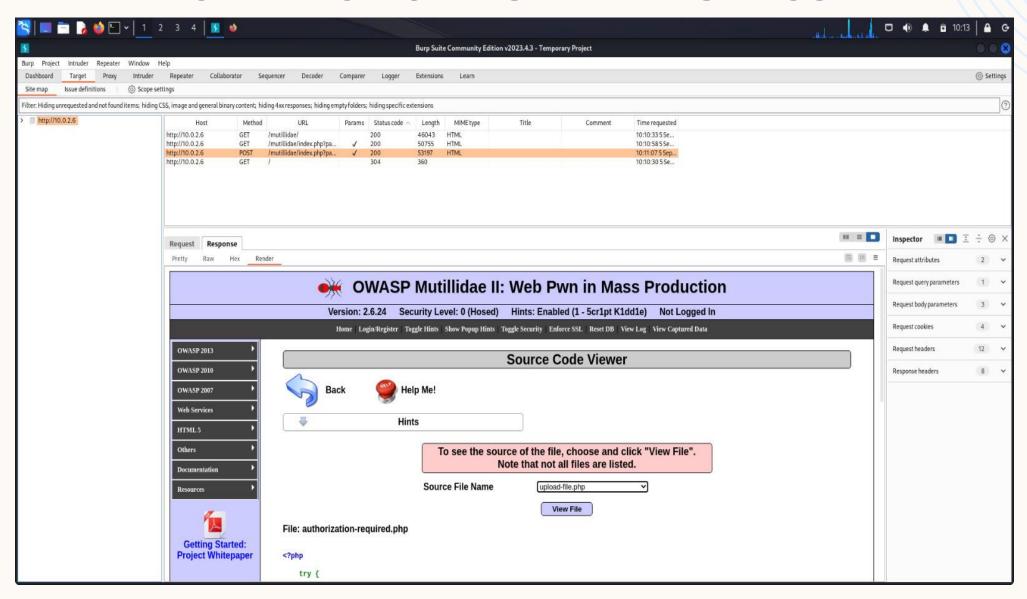
2.EXECUTION

STEPS OF EXECUTION

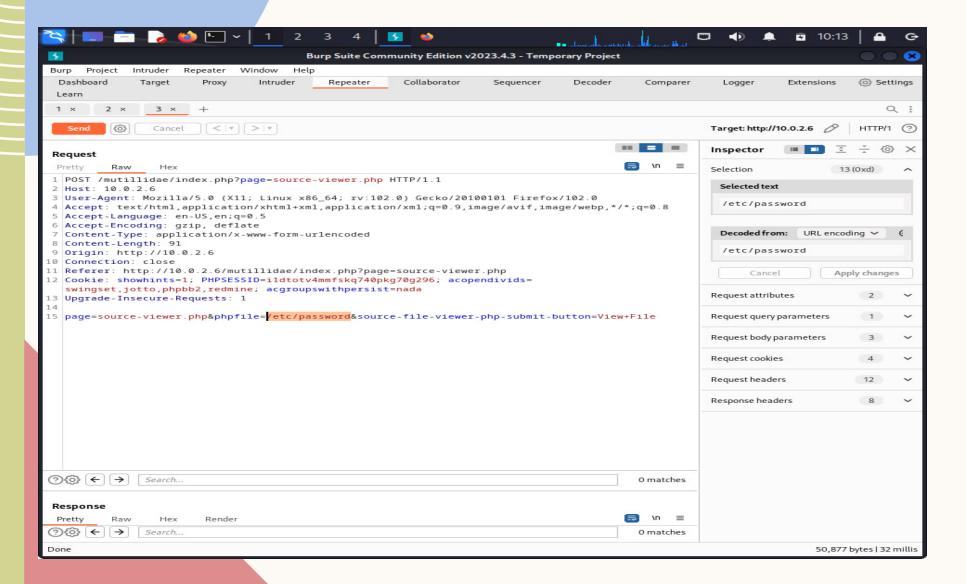
- Using the OWASP and Burp Suit, we will execute the Local File Inclusion.
- Initially, set up an proxy server into the Client Browser and Turn on the Burp Suit.
- Whenever Client requests information from the server then it will be captured into Burp suit's target panel.
- Go to target panel and push the push the client requested file to the Repeater panel by Right clicking on mouse pad and select option **SEND TO REPEATER**.
- Whenever the file will be pushed then Repeater panel will be highlighted for some duration.
- Click on the Repeater panel then change only the file name as /etc/password and click on send button.

3.IMAGES OF INFORMATION CAPTURED

INFORMATION CAPTURED IN BURP SUIT



ADDING OF LOCAL FILE NAME



FIXING OF LOCAL FILE INCLUSION

- One should not allow the file path that could be modified directly either it should be hardcoded or to be selected via hardcoded path list.
- One must make sure that the required should have dynamic path concatenation i.e. must contain (a-z) (0-9) instead of (/, /% etc).

IMPACTS OF LOCAL FILE INCLUSION

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 An attacker would be able to get access to the following by exploiting LFI Vulnerability:

- 1) Information Disclosure of files stored in Web Server.
- 2) Passwords/Database Access.
- · 3) Log Files.
- 4) Complete System Compromise.

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SUMMARY

Local File Inclusion is an attack technique in which attackers trick a web application into either running or exposing files on a web server. LFI attacks can expose sensitive information, and in severe cases, they can lead to cross-site scripting (XSS) and remote code execution.

THANK YOU