

Broken Object Level Authorization (BOLA)

Tool Used: Burp Suite

Target: VAmPI API

1) Objective

To identify whether the /users/v1 API endpoint enforces proper authorization by intercepting and manipulating requests using Burp Suite.

2) Environment Setup

Tools

- Kali Linux
- Burp Suite Community
- Browser or curl

Target

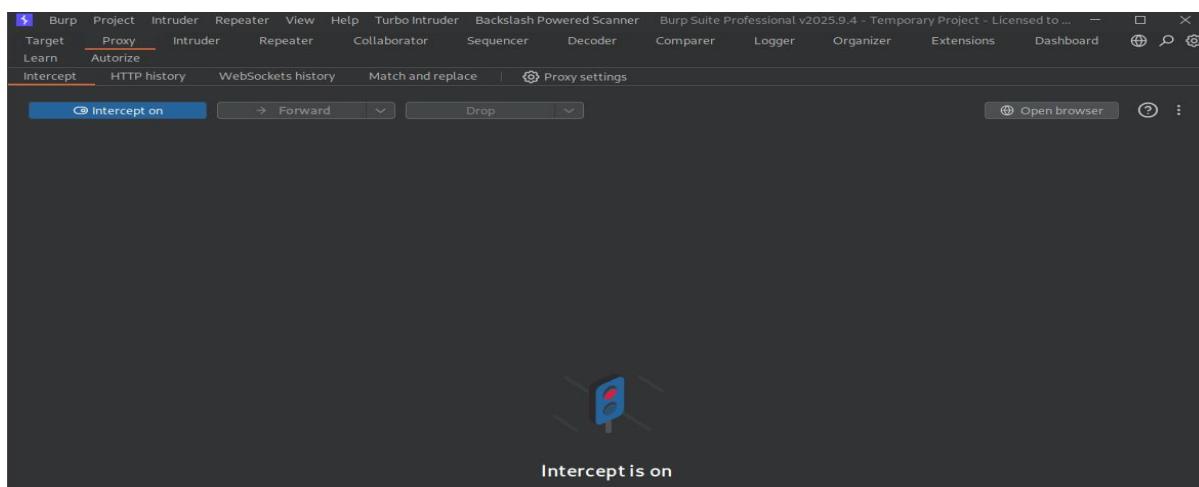
- URL: http://172.19.0.3:5000
- Endpoint: /users/v1
- Method: GET

3) Configure Burp Suite

Step 1: Launch Burp Suite

Step 2: Enable Proxy Intercept

- Go to Proxy → Intercept
- Click Intercept is ON





Step 4: Send API Request and Intercepted Request in Burp

In the browser, access:

<http://172.19.0.3:5000/users/v1>

Burp captures the request:

The screenshot shows the Burp Suite interface with the 'Proxy' tab selected. A red box highlights the 'Request' pane where a GET request to 'http://172.19.0.3:5000/users/v1' is displayed. The response pane shows a JSON object representing user data. To the right, the PortSwigger news feed is open, featuring several cards about AI integration in Burp, such as 'Burp AI comes to Repeater' and 'Build your own Repeater feature, now with AI'.

Step 4: Send API Request to repeater

The screenshot shows the Burp Suite interface with the 'Repeater' tab selected. A red box highlights the 'Response' pane, which displays the JSON response from the previous step. The response body contains three user objects: one with email 'mail@mail.com' and username 'name', another with 'mail2@mail.com' and 'name2', and a third with 'admin@mail.com' and 'admin'. The 'Inspector' pane on the right shows various request and response parameters.



Step 8: Confirm the Vulnerability

- Request was unauthenticated
- Response returned full user list
- Admin account disclosed