

Security Assessment Report

LetSee.com

Started On: 06/07/2022

Completed On: 06/08/2022

By Thomas Max Ahartz

Prepared for The Punisher



Executive Summary

I was tasked to conduct an application security test of the LetSee.com website. One vulnerability was selected to highlight.

Description of Vulnerability

The /api/accounts/<number> endpoint is vulnerable to BOLA.

Broken object-level authorizations (BOLA) generally refer to an insecure direct object reference or IDOR. As its name implies, an IDOR involves a user being able to directly access resources that they should not be able to access, using a user input functionality.

Risk Level of Vulnerability

Critical	High	Medium	Low	Informational
	•			

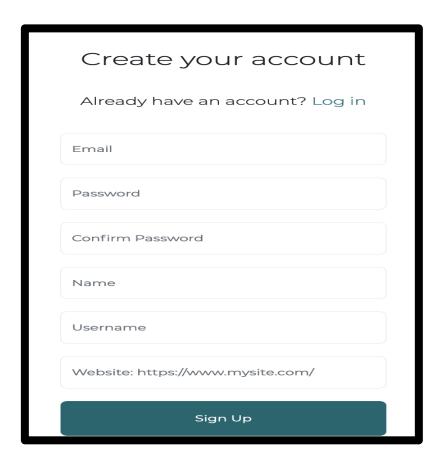
Sensitive user account details can be leveraged by an attacker to decode the encryption scheme, brute force login credentials and gain access to the account.

Steps to Reproduce

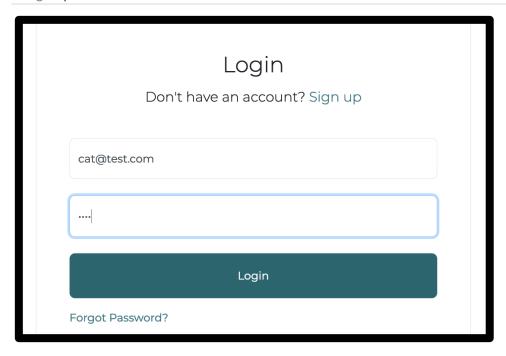
1. Start Burp suite and navigate to https://54-153-37-124-letsee.vulnerablesites.net in your browser



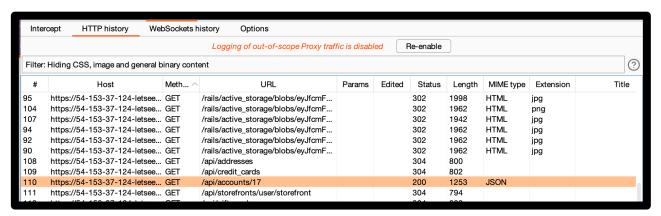
- 2. Select Sign Up Menu and Create your account
- 3. Log in to your new account
- 4. Go to http history in Burp
- 5. Select the GET request named /api/accounts/<number>
- 6. Send the request to Repeater
- 7. Edit the Request by changing the <number> to 10
- 8. Send the Request by clicking the Send button
- 9. Observe in the response, the revealed sensitive user data from the admin account



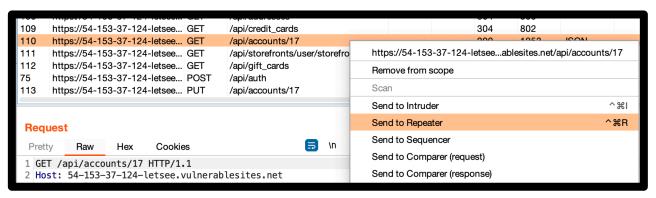




Select /api/accounts/<number> from HTTP history in Burp

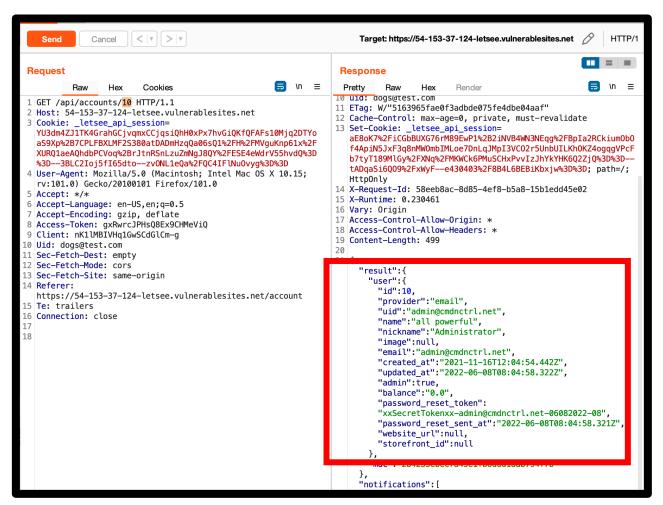


Rt-Click the GET Request, and Click on the option to Send to Repeater in Drop-down menu





Repeater: Edit the Request by changing Line 1 to /api/accounts/10 and resend



Remediation

Fixing unprotected routes

- Do not rely on the client to enforce admin access.
- Deny all access by default.
- Only allow operations to users belonging to the appropriate group or role.