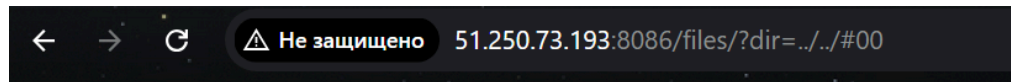


[illegible]

2. Testing the second object <http://51.250.73.193:8086> (Task 8.2), a website providing web design services, a Directory Traversal vulnerability was detected in the directory checks of the pages, which allows us to access the directories.

This allows you to view files, change them, and perform other manipulations.



This page is in progress, but you can download some materials about ../../.

bin
dev
etc
home
lib
media
mnt
opt
proc
root
run
sbin
srv
sys
tmp
usr
var
.dockerenv
app
flag{D1r3ct0ry_is_d@ng3r0us}

3. Testing the third object <http://51.250.73.193:8087> (Task 8.3) a service for generating PDF documents, where each client can generate a document with any inscription.

A search of various IDs was performed using the burpsuite tool (Photo 2), and the scanning results revealed a vulnerability - insecure Direct Object Reference - IDOR.

The application shows and provides access to an internal object without checking whether the user is authorized (Photo 3).

Photo 2 (file enumeration, finding)

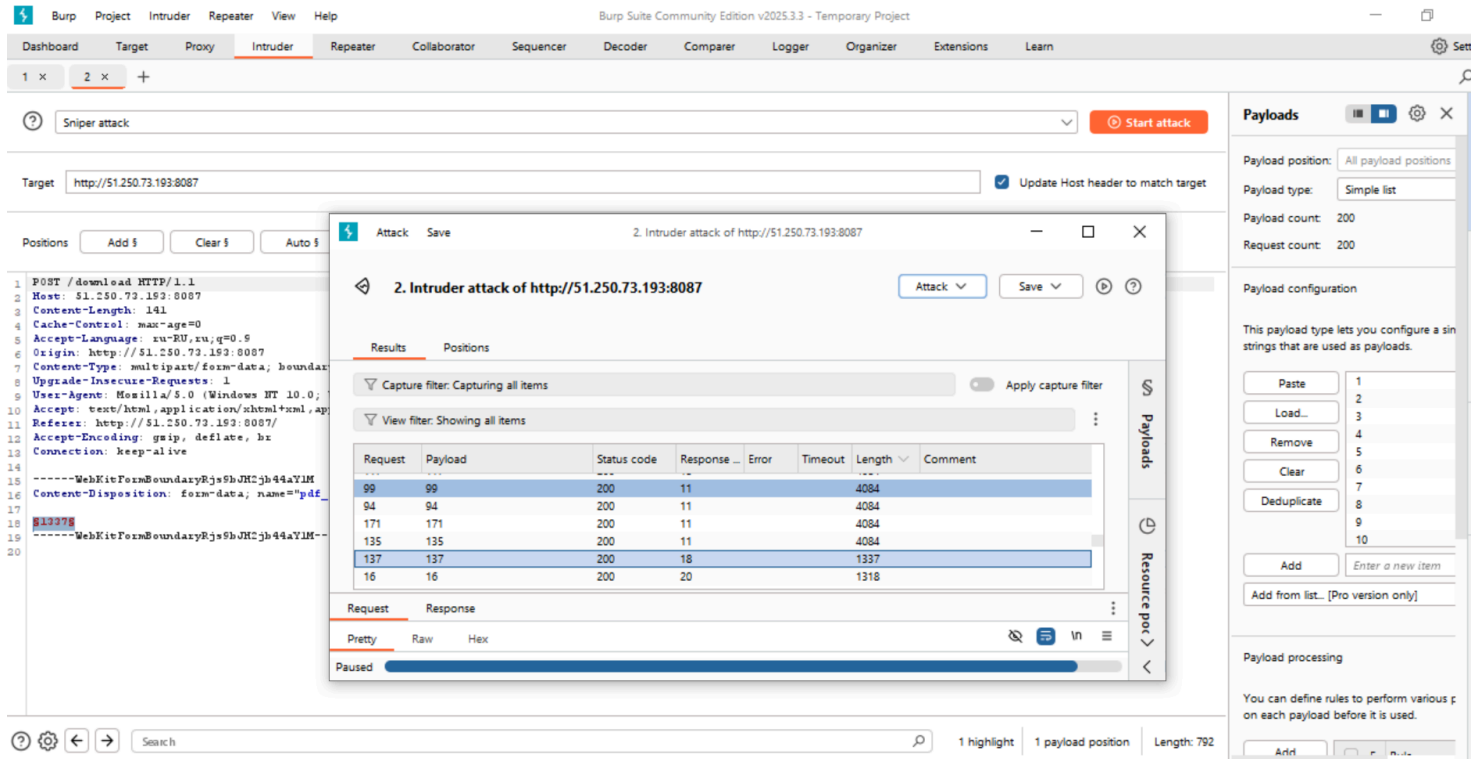
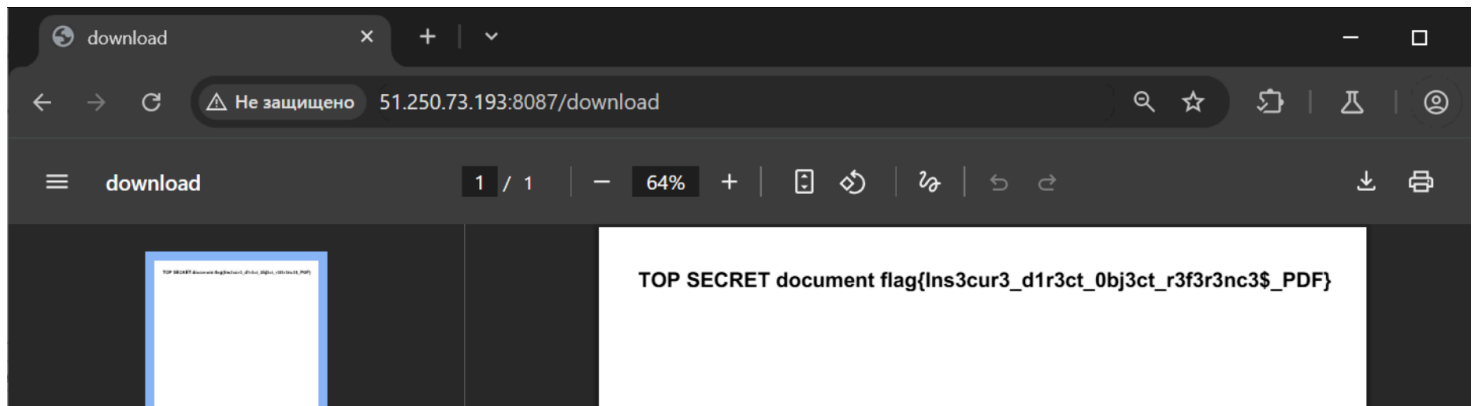


Photo 3 (secret document 137)



➤ Summary:

In the process of solving this lab work, the following tools (programs and utilities) were used: Burp Suite, Firefox browser, Chromium, Kali tools.

Vulnerabilities that were discovered:

➤ SSRF (Server-Side Request Forgery)

- Directory Traversal (Path Traversal)
- IDOR - Insecure Direct Object Reference

Recommendations for improving protection:

- For SSRF, whitelist the DNS name or IP address that your application should be able to access.
- Perform Chroot jail – operation of changing the root directory of the disk for the running process and its child processes. The program running in such an environment cannot access files outside the new root directory for Directory Traversal (Path Traversal).
- IDOR Authorization check, use UUID or hashes.