

Room: Hacking Your First Website (Offensive Security)

The room “**Offensive Security**” room on TryHackMe simulates a vulnerable banking website named **FakeBank** to help beginners explore fundamental ethical hacking techniques. By engaging with this environment, learners get practical exposure to offensive security — mimicking a hacker’s mindset to uncover and exploit weaknesses in web applications.

Objectives

- Understand the difference between **offensive** and **defensive** security
- Use **dirb** to discover hidden web directories and files
- Exploit a **hidden deposit page** to manipulate a bank account balance
- Capture the **flag** after successfully exploiting the system

Tools Used

- TryHackMe Virtual Machine
- Terminal / Command Line Interface
- dirb – Web content scanner for directory brute-forcing

Questions & Answers

1. Which of the following options better represents the process where you simulate a hacker's actions to find vulnerabilities in a system?

Answer: Offensive Security

2. What is your bank account number in the FakeBank web application?

Answer: 8881

3. Dirb should have found 2 hidden URLs. One of them is <http://fakebank.thm/images>. What is the other one?

Answer: <http://fakebank.thm/bank-deposit>

4. If your balance is now positive, a pop-up should appear with some green words in it. Input the green words as the answer to this question (all in uppercase).

Answer: BANK-HACKED

Step-by-Step Walkthrough

1. **Launched the Target Machine:**

Started the FakeBank machine from TryHackMe and noted the IP address or domain (e.g., <http://fakebank.thm>).

2. **Opened Terminal:**

Accessed the terminal from the TryHackMe attack box or local VM.

3. **Scanned for Hidden Web Directories:**

Ran a dirb scan to identify hidden paths on the FakeBank site:

```
dirb http://fakebank.thm
```

This revealed two key directories:

- <http://fakebank.thm/images>
- <http://fakebank.thm/bank-deposit>

4. Accessed the Deposit Page:

Visited the /bank-deposit URL directly in the browser.

5. Manipulated Bank Account Balance:

Entered the known account number 8881 and added \$2000 using the deposit form.

6. Verified the Balance Change:

Navigated back to the account page to confirm that the balance had been updated.

7. Captured the Flag:

A pop-up appeared indicating success, with green text displaying the final flag:
BANK-HACKED

Conclusion

This room offered a practical introduction to offensive security by demonstrating how simple vulnerabilities—like exposed hidden URLs and insecure functionality—can be exploited by attackers. Using basic tools like dirb, it was possible to uncover and manipulate hidden pages, giving learners a hands-on experience in ethical hacking.

Screenshots:

Task 1:

Beginning Your Learning Journey

In this TryHackMe room, you will be guided through hacking your first website in a legal and safe environment. The goal is to show you how an ethical hacker operates.

But before we do that, let's review by answering the questions below. Type your answer in the text box after the question and click the "Submit" button. When you're done, proceed to Task 2.

Answer the questions below

Which of the following options better represents the process where you simulate a hacker's actions to find vulnerabilities in a system?

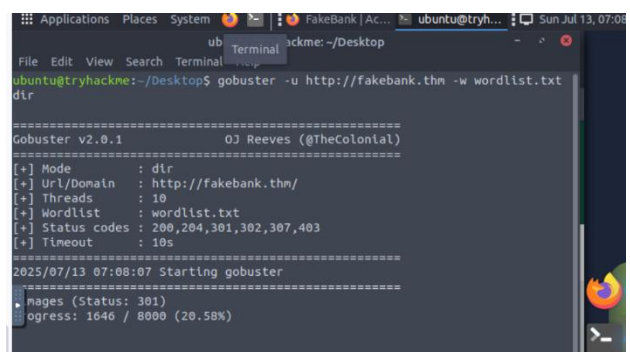
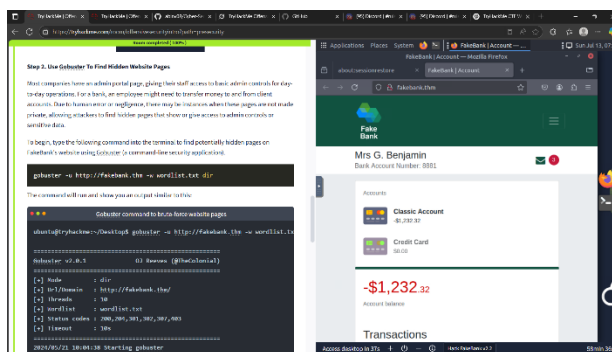
- Offensive Security
- Defensive Security

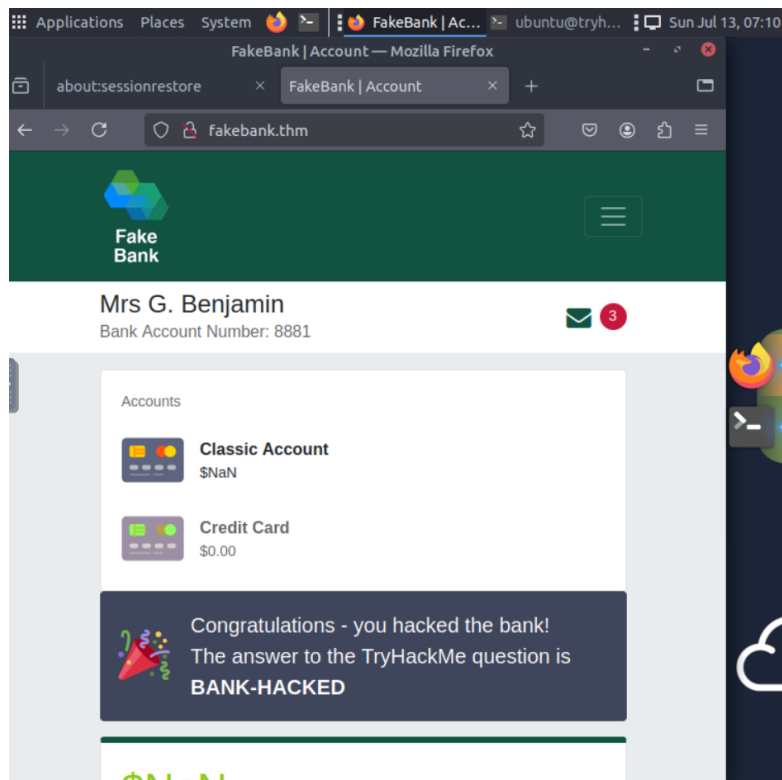
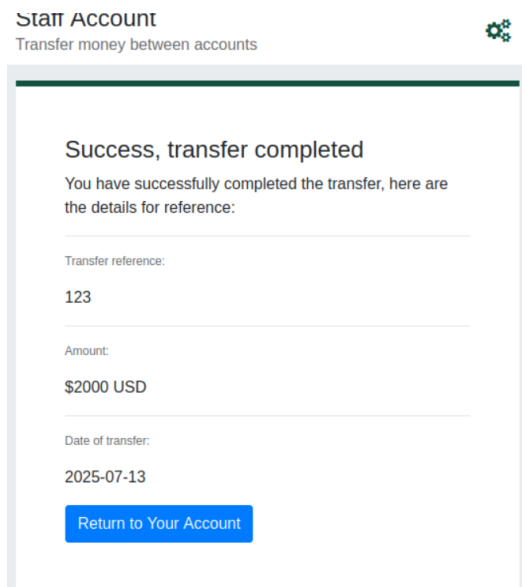
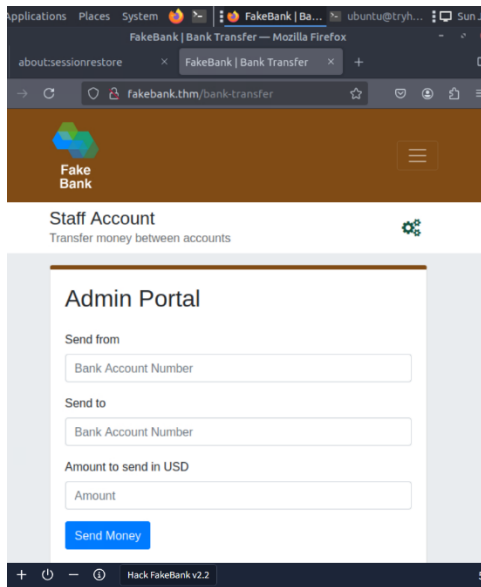
Offensive Security

✓ Correct Answer

🔍 Hint

Task 2:

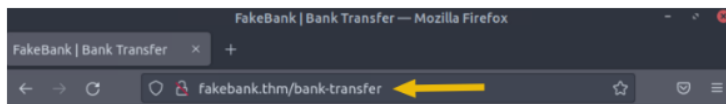




Task 3:

Step 3. Hack The Bank

You should have found a secret bank transfer page that allows you to transfer money between bank accounts (`/bank-transfer`). Type the hidden page into the FakeBank website using the browser's address bar.



From this page, an attacker has authorized access and can steal money from any bank account. As an ethical hacker, you would (with permission) find vulnerabilities in their application and report them to the bank to fix them before a hacker exploits them.

Your mission is to transfer \$2000 from bank account 2276 to your account (account number 8881). If your transfer was successful, you should now be able to see your new balance reflected on your account page.

Go there now and confirm you got the money! (You may need to hit Refresh for the changes to appear)

Answer the questions below

Above your account balance, you should now see a message indicating the answer to this question. Can you find the answer you need?

BANK-HACKED

✓ Correct Answer

💡 Hint

Complete:

