

Module 1 - 25FA CPS593-10 NE

TryHackMe | Offensive Security

What is Network Security? Defir

Transact | Overview

Passwords

tryhackme.com/room/offensivesecurityintro?path=presecurity80%

Save 25% on annual subscriptions & get 3 tickets per room!

Subscribe now & save 25%

50 : 49 : 06

TryHackMe

Dashboard

Learn


Compete

Other

Go Premium

1

Learn > Offensive Security Intro



## Offensive Security Intro

Hack your first website (legally in a safe environment) and experience an ethical hacker's job.

Easy

15 min

Save Room

3745

Options

Room progress ( 25% )

Task 1 What is Offensive Security?

"To outsmart a hacker, you need to think like one."

This is the core of "Offensive Security." It involves breaking into computer systems, exploiting software bugs, and finding loopholes in applications to gain unauthorized access. The goal is to understand hacker tactics and enhance our system defences.

### 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.

Our labs can also be reverted to their initial state, so don't be afraid to break the machine. Experiment as much as you like, we got you covered!

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 Starting the Lab

FirefoxFileEditViewHistoryBookmarksToolsWindowHelp

D2L: Module 1 - 25FA CPS593-10 NE xTryHackMe | Offensive Security xWhat is Network Security? Defin xTransact | Overview xPasswords x+

tryhackme.com/room/offensivesecurityintro?path=presecurity

Save 25% on annual subscriptions & get 3 tickets per room!Subscribe now & save 25%50 : 45 : 44

Learn > Offensive Security Intro

Offensive Security Intro

Hack your first website (legally in a safe environment) and experience an ethical hacker's job.

Easy15 min

Save Room3745Options

Room progress (50%)

Target Machine Information

Title	Target IP Address	Expires
Hack FakeBank v2.5	10.201.14.198	56min 45s

Add 1 hourTerminate

Task 1What is Offensive Security?

Task 2Starting the Lab

Here at TryHackMe, we use Virtual Machines to create simulated environments that serve as practical complements to rooms.

In this room, we have prepared a fake bank application called FakeBank that you can safely hack. The virtual machine with the application should start automatically for you. If it doesn't, click on the **Start Machine** button below.

Start Machine

Your screen should be split in half, showing this content on the left and the newly launched machine on the right. If you hide it later, you can always click on the **Show Split View** button at the top to display it again. You should see a browser window showing the website below:

FakeBank | Account — Mozilla Firefox

fakebank.thm

Fake Bank

Our Products & Services

Safe & SecureInternet Banking

Mrs G. Benjamin

ApplicationsPlacesSystemFakeBank | Account — Mozilla Firefox

FakeBank | Account — Mozilla Firefox

fakebank.thm

It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!Refresh Firefox...

Fake Bank

Our Products & Services

Safe & SecureInternet Banking

Mrs G. Benjamin

Bank Account Number: 8881

Accounts

Classic Account - 8881

-\$1,232.32

Credit Card

Approval pending

-\$1,232.32

Account balance

Transactions

Today

Fast Food

-\$17.11

Apple

-\$1804.77

Travel

-\$19.58

Netflix

-\$9.99

Amazon

-\$77.43

Shopping

-\$73.08

Yesterday

Starbucks

-\$6.76



Hotel

-\$140.00

DIY

-\$543.22

Hack FakeBank v2.556min 45s

Target Machine Information				
Title	Target IP Address	Expires		
Hack FakeBank v2.5	10.201.14.198			50min 53s

Task 1 🟢 What is Offensive Security? ▼

Task 2  Starting the Lab  

Task 3  Your First Hack ^

## Briefing

Our goal is to find a way to hack the FakeBank application to steal money. For that purpose, they have provided us with an account in the bank, just as if we were a regular user.

One of the easiest ways we can try to hack the application is by finding hidden features in the application. Sometimes, applications will expose sensitive functionality to users via secret URLs. If we can find such URLs, we might be able to perform actions that a regular user is not supposed to do.

To find hidden URLs, we will use a tool called **dirb**. This tool uses a **brute-force** approach, by taking a **list of potential page names** and testing one by one if they exist in your website. This approach works because people use predictable names a lot of times.

## Opening A Terminal

A terminal, also known as the command line, is a program that allows us to send text-based commands to the computer. A lot of hacking tools, including dirb, need to be executed from a terminal.

On the machine, open the terminal by clicking on the Terminal icon on the right of the screen.

FirefoxFileEditViewHistoryBookmarksToolsWindowHelp

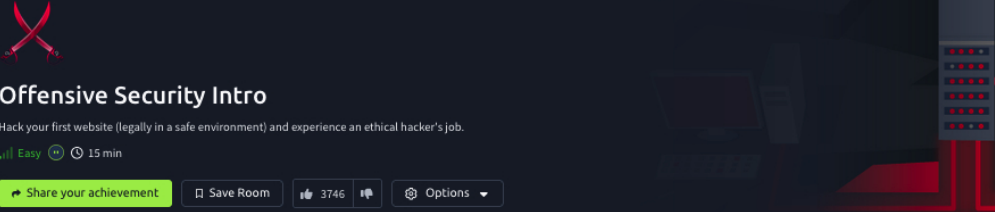
Module 1 - 25FA CPS593-10 NE xTryHackMe | Offensive Security xWhat is Network Security? Defir xTransact | Overview xPasswords x

tryhackme.com/room/offensivesecurityintro

67%

Save 25% on annual subscriptions & get 3 tickets per room!Subscribe now & save 25%50 : 36 : 49

Learn > Offensive Security Intro



# Offensive Security Intro

Hack your first website (legally in a safe environment) and experience an ethical hacker's job.

Easy 15 min

Share your achievement Save Room 3746 Options

Room completed (100%)

Target Machine Information

Title	Target IP Address	Expires
Hack FakeBank v2.5	10.201.14.198	8min 35s

Add 1 hourTerminate

Task 1 What is Offensive Security?

Task 2 Starting the Lab

Task 3 Your First Hack

Task 4 Adding Funds to Your Account

You should have found a secret page that allows you to add funds to a bank account (`http://fakebank.thm/bank-deposit`). Type the hidden page into the FakeBank website using the browser's address bar.

FakeBank | Bank Transfer — Mozilla Firefox

FakeBank | Bank Transfer x

← → ↻

Not Secure http://fakebank.thm/bank-deposit


☆

🔒

🏠

☰

From this page, you should be able to add funds to your bank account (remember your bank account number is 8881). Let's add \$2000 to it:

Our Products & Services

Safe & SecureInternet Banking

ApplicationsPlacesSystem

FakeBank | Account — Mozilla Firefox

FakeBank | Account xlisting directory /images/ x

← → ↻

Not Secure fakebank.thm


☆

🔒

🏠

☰

It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!Refresh Firefox...

Our Products & Services

Safe & SecureInternet Banking

Mrs G. Benjamin

Bank Account Number: 8881

Accounts

Classic Account - 8881

\$787.88

Credit Card

Approval pending

Congratulations - you hacked the bank!

The answer to the TryHackMe question is:

**BANK-HACKED**

FakeBank (Deposit)

+ \$2000.00

Fast Food

- \$17.11

Apple

- \$1804.77

Travel

- \$19.58

Netflix

- \$9.99

Amazon

- \$77.43

Shopping

- \$73.08

Yesterday

Starbucks

- \$6.76

Hotel

- \$140.00

DIY

- \$543.22