

# Owasp x μLearn Bootcamp Task 6

## Phishing Simulation Report: Gophish

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Platform: Local Lab Environment (Self-hosted Gophish)

Task Type: Ethical Hacking, Social Engineering

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### Objective

The objective of this task was to conduct a controlled phishing simulation using the Gophish framework. The goal was to understand the mechanics of a social engineering attack from an attacker's perspective to better build defences. This practical exercise helps in evaluating security awareness and testing the "human firewall" within an organization.

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### Tool Used

- **Gophish:** A legitimate, open-source phishing framework designed for security professionals to run ethical phishing campaigns. It provides a web interface to create email templates, build fake landing pages, and track real-time campaign results.
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### Tasks Completed

#### Task 1: Environment Setup

- Set up and configured the Gophish open-source framework in a local lab environment.

#### Task 2: Creating the Lure

- **Landing Page Creation:** A replica landing page was created to mimic the official Instagram login page. This page was designed to capture user credentials if they were submitted<sup>4</sup>.
- **Email Template Design:** A convincing email template was designed to serve as the bait, encouraging the target to click a link leading to the fake landing page<sup>555</sup>.

#### Task 3: Defining Targets and Delivery

- **User & Group Management:** A list of target users was created and organized into a group for the campaign.
- **Sending Profile Configuration:** A sending profile was set up to define how the phishing emails would be sent from the Gophish server.

#### **Task 4: Campaign Execution and Monitoring**

- **Campaign Launch:** A campaign titled "hi" was successfully launched, sending the phishing email to the designated target group.
- **Result Analysis:** Monitored the Gophish dashboard to track the campaign's progress<sup>9</sup>. The results confirmed that of the two emails sent, both were opened, and the link to the landing page was clicked by both targets [from images on pages 2 and 3].

#### **Outcome**

The phishing simulation was successfully executed, and the desired outcome was achieved. The Gophish dashboard results confirmed that the targets engaged with the email and clicked the link

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#### **Screenshots**



