

Lab Assignment & Solution



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Cybersecurity Professional Program
Introductory Course

Introduction to Cybersecurity

IC-01-LS2

Who Are We?

Note: Solutions for the instructor are shown in the green box.

Lab Objective

Become familiar with major hacker groups and resources. Understand their objectives and impact on the world. This understanding is essential to protecting both industrial-level cyber systems and personal cyber devices.

Lab Mission

Search the internet to find famous hacker groups and resources, and the types of hackers that are typically associated with them.

Lab Duration

15–25 minutes

Requirements

- Basic working knowledge of internet browsers
- Basic working knowledge of searching for information on the internet

Resources

- Environment & Tools
 - Internet-enabled device (smartphone, tablet, notebook computer)
 - Internet connectivity
 - Web browser (such as Internet Explorer, Google Chrome, or Mozilla Firefox)
 - Text editor
 - Videos: [Who Are We Walkthrough](#) and [Who Are We Step by Step](#)

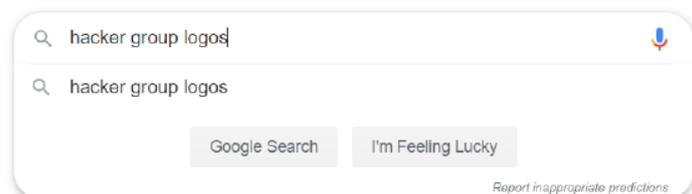
Textbook References

- Chapter 1: Introduction to Cybersecurity
 - Section 6: Hacker Types

Lab Task: Research Hacker Groups and Resources

- Search the internet for the logos shown below and find the names of the hacker groups or resources that use those logos.
- For each logo, do one of the following:
 - If the logo is associated with a hacker group: Describe a famous attack perpetrated by the group.
 - If the logo is associated with a resource: Identify a resource available on the website.

Tip: In Google, enter a description of the logos to locate the desired results. Scroll to the end for additional keywords.

The Google logo is displayed in its standard multi-colored font.



1

Anonymous

- Hacktivists
- Launched Operation Payback (2010): Took down sites in a fight for free speech
- Began with sites of organizations like MPAA, a group that sued other sites based on copyright infringement
- Continued with financial sites (Mastercard, PayPal, others) when those brands prevented donation money from reaching WikiLeaks



2

LulzSec

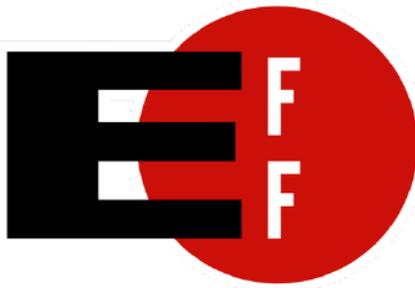
- This hacktivist organization is primarily for fun and anarchy. They have launched political attacks.
- Launched the Sony Pictures Attack (2011), an exfiltration of data from Sony Pictures' servers, including the names, dates of birth, email addresses, passwords, and home addresses of thousands of people.
- The motivation was Sony's legal action against George Hotz for jailbreaking the PS3.



3

Hackers for Charity

- Nonprofit organization
- Educates the people of Uganda by providing them with training
- Participates in altruistic projects, such as supporting the network security of other nonprofits



4

Electronic Frontier Foundation

- Advocates for consumer/user rights and privacy. For example, they advocate that express permission should be granted by users before their information is shared.
- Defends digital free speech and civil liberties worldwide
- Champions innovation
- Involved in grassroots litigation, activism, technology development, and policy analysis



5

Open Web Application Security Project (OWASP)

- Nonprofit
- Driven by open-source, community-led software projects
- Motivated by software security improvement and web security
- Audience consists of developers and technologists

If you need some additional keywords to search for, try these:

- 1** Hacktivist, 4chan raids, Operation Payback
- 2** Hacktivist, Sony Pictures Attack, Jailbreaking the PS3
- 3** I Hack Charities, Johnny Long, HFC
- 4** Defending digital privacy
- 5** Top 10, Open Web Application Security Project