# Lab 1 Assignment – Physical Security Vulnerability with PoC

## Grade Value

* 6% of total grade.

## Guidelines

* You are allowed to reference the course materials and online content to complete the assignment.

## Requirements

* This is an individual assignment.
* The submission should be uploaded to Brightspace in video format.
* Assignment due date will be listed in Brightspace.
* Video must be playable in VLC Player.

## Assignment

Choose one of the following options:

* Option 1: Find a public CCTV camera on Shodan.io or using the Google Hacking Database. **This is going to be a recon mission only.**
  + Do not attempt malicious activities.
  + Do not crack passwords.
  + Do not attempt to log in.
  + Demonstrate
    - The search term used
    - Make and model of the camera
    - Firmware or software version
    - Geographical Location and documented location if provided by the camera
    - Proof of authorization
      * Login credentials were not required to access the camera feed or details
* Option 2: Access a locked/restricted area from an unrestricted area **Do NOT break into doors or go anywhere with this method without authorization. Do NOT cause any lasting damage**. For example:
  + Opening or unlocking a door without the proper key/authorization.
  + Cloning a card and using the cloned card to access the secure space.
  + Describe the process in the video.
  + Description of some risks, based upon the method demonstrated.
  + Proof of authorization in the video
    - If it is not your own property, have the owner or supervisor with authorization stated their name, your name, and you are allowed to perform the action before proceeding. Or a letter from the owner or supervisor on company letterhead with authorization.
    - If it is your own property, it must be stated in the video

Option 3: Clone a card. **Devices and software will not be provided.**

* Clone with either a hardware cloner or pull the details from an access card reader.
  + Determine the card number and the facility code.
  + Proof of authorization
    - If it is not your own property, have the owner or supervisor with authorization stated their name, your name, and you are allowed to perform the action before proceeding. Or a letter from the owner or supervisor on company letterhead with authorization.
    - If it is your own property, it must be stated in the video
* Option 4: come up with another item not covered in this assignment and get approval from the instructor. Outcome may be different than the above three options.
  + Training locks/tools will not be accepted.

## Additional Resources

* <https://www.youtube.com/watch?v=4YYvBLAF4T8>
* <https://www.exploit-db.com/google-hacking-database>

## Grading Rubric

The marking rubric is available alongside the assignment in Brightspace.

Please consult the rubric both prior to and throughout the report-writing process to ensure your work aligns with the stated evaluation criteria.