# Pwn Challenge (18 points)

The 'cat' daemon is an innovative service that allows you to /bin/cat files across the Internet. Its beta release is freely accessible, but a robust password-based authentication framework is already in the works. You can access the service using 'nc <ip> <port>'.
The source code is available here: https://lettieri.iet.unipi.it/hacking/2022-01-19.tar.gz

You can request two hints on the solution:

- Hint #1: Analysis of the bug. Cost: -4 points.

- Hint #2: Attack plan. Cost: -2 points.

# Web Challenge (12 points)

Euroteams is a website hosting some images of various national soccer teams that participated in the 2020 UEFA European Football Championship. The website seems to magically understand what is the client's language-speaking team, and it shows the corresponding image. The flag that you must steal is in a file named "flag" inside the document root of the web server.

You can request two hints on the solution:

- Hint #1. Nature of the vulnerability and which input to leverage. Cost: -3 points.

- Hint #2. PHP code of the website. Cost: -1 point.