

Practical Lab A4

Software Reverse Engineering and Protection

HES-SO MSE 2024-2025

Description This executable is a CLI program that asks for a secret ASCII password provided as a parameter:

MSE-SRE Challenge A4 --- Enjoy !

Usage: ./A4_0 <password>

Questions

1. What is the weakness of this obfuscated executable? Hint: counting the number of executed CPU instructions might save you a lot of time.
2. Can you recover the secret password? You must send¹ the valid password by email to pascal+sre25@mod-p.ch before May 5th, 2025, 12h00 CET to validate this lab and get 10 points.

¹If you want to get an evaluation for this lab, be sure to mention it in your email. Also, be sure to attach a properly written report and the source code of the tools you have written.