Practical Lab E4

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 E4 --- Enjoy !

What I need is 1024 passwords passing the check!

Usage: ./E4_0 <password>
```

As hinted, there is not a single valid passwords, but several ones.

Questions

1. Was this executable stripped?

2. How are the password checking functionalities entangled with the operating system?

3. What is the algorithm used to check the validity of a password?

4. Can you break this password checker, i.e., implementing a generator of valid passwords? You must send 16 different valid passwords by email to pascal+sre25@mod-p.ch before Mar. 24th, 2025, 12h00 CET to validate this lab and get 5 points.