

University of Warsaw
Faculty of Mathematics, Informatics and Mechanics

Krzysztof Małysa

Student no. 394442

Multi-process sandbox for unprivileged users on Linux

Bachelor's thesis
in **COMPUTER SCIENCE**

Supervisor:
dr Janina Mincer-Daszkiewicz

Warsaw, September 2022

Abstract

TODO

Keywords

sandboxing, security, container, Linux, capabilities, cgroups, user namespace, PID namespace, mount namespace, secure execution, arbitrary code execution, rlimit, seccomp, ptrace

Thesis domain (Socrates-Erasmus subject area codes)

11.3 Informatics, Computer Science

Subject classification

10011007.10010940.10010941.10010949 — Software and its engineering – Software organization and properties – Contextual software domains – Operating systems

Tytuł pracy w języku polskim

Sandbox wielu procesów dla nieuprzywilejowanych użytkowników systemu Linux

Contents

1. Introduction 5

Chapter 1

Introduction

TODO