Trusted Reference Monitors for Linux using Intel SGX Enclaves

Alexander Harri Bell-Thomas Jesus College



A dissertation submitted to the University of Cambridge in partial fulfilment of the requirements for the degree of Master of Engineering in Computer Science

> University of Cambridge Computer Laboratory William Gates Building 15 JJ Thomson Avenue Cambridge CB3 0FD UNITED KINGDOM

Email: Alexander.Bell-Thomas@cl.cam.ac.uk

May 10, 2020

Declaration

I, Alexander Harri Bell-Thomas of Jesus College, being a candidate the Part III of the Computer Science Tripos, hereby declare that this report and the work described in it are my own work, unaided except as may be specified below, and that the report does not contain material that has already been used to any substantial extent for a comparable purpose.

Total	word	count:	14,235

Signed:

Date:

This dissertation is copyright © 2020 Alexander Harri Bell-Thomas. All trademarks used in this dissertation are hereby acknowledged.

Abstract

Write a summary of the whole thing. Make sure it fits in one page.

Contents

1	Introduction	1
2	Background	3
3	Related Work	5
4	Design and Implementation	7
5	Evaluation	9
6	Summary and Conclusions	11

List of Figures

List of Tables



Introduction

Background

Related Work

Design and Implementation

Evaluation

Summary and Conclusions