

Aalto University
School of Electrical Engineering
Degree Programme in Communications Engineering

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Master's Thesis
Espoo, English Date PLACE-HOLDER

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ABSTRACT OF
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Mari Nikkarinen

Abbreviations and Acronyms

acronym	!FIXME Any used acronyms FIXME! explanation
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Chapter 1

Introduction

!FIXME

- Introduction of security landscape
- Explanation of point of view taken
- Pointing out the importance of threat analysis
- Short overview of OneID and equivalent systems

FIXME!

Chapter 2

Background

!FIXME Needs a less generalized title. FIXME!

2.1 Threat Analysis

!FIXME

- Some history on threat analysis
- Research on the importance of threat analysis
- Some mistakes made in the past, as an example
- Previous research done on different threat analysis methods

FIXME!

2.2 Authentication and Authorization systems

!FIXME

- Some history again
- Common flows in systems
- Examples of different kinds
- Importance of good system and its security

FIXME!

Chapter 3

Environment

!FIXME

- OneID explanation goes here
- Scrubbed of everything secret

FIXME!

Chapter 4

Methods

!FIXME

- Explanation of STRIDE
- Introduction as the industry standard
- Either studies or an explanation on why there are few studies
- Introduction to other threat analysis methods
- Studies on them

FIXME!

Threat modelling. [1]

Chapter 5

Implementation

!FIXME Considering this is qualitative instead of quantitative research and there won't be "implementation" as such, this will definitely change its name. FIXME!

!FIXME

- Specifics of the analysis
- The generalization either here or spun off to its own chapter

FIXME!

Chapter 6

Evaluation

`!FIXME` How well did it go gets put here. `FIXME!`

Chapter 7

Discussion

`!FIXME` Insights about the work belong here. `FIXME!`

Chapter 8

Conclusions

!FIXME Wrap-up here. Basically the whole thing in a nutshell. **Writ-**
ten at the end. FIXME!

Bibliography

- [1] MYAGMAR, S., LEE, A. J., AND YURCIK, W. Threat modeling as a basis for security requirements. In *Symposium on requirements engineering for information security (SREIS)* (2005), vol. 2005, pp. 1–8.

Appendix A

First appendix

!FIXME Any appendices here. FIXME!