

SDN-based intrusion detection at the IoT edge(?)

University of Oulu

Information Processing Science

Bachelor Thesis

Jenni Parpala

2025

Abstract

Times New Roman 12pt Line spacing 1

Keywords

first keyword, second keyword, other keywords

Supervisor

MSc, Doctoral Researcher Olli Timonen

Foreword

Times New Roman 12pt line spacing 1

# Declaration of Generative AI in the Thesis

Times New Roman 12pt line spacing 1

In this section, you should clarify your independent contributions to the thesis and explain how AI was used in its preparation, if applicable

Generative AI and AI-assisted technologies can be used in the writing process to improve the readability and language of the thesis.

If you use generative AI to assist in producing the thesis, you must declare in this section which model version (e.g., ChatGPT 3, Midjourney 6) you used and how you used it (for searching information, ideating, language checking, translating, visualisation).

Use of generative AI in other uses than described above, need to be discussed and agreed with the supervisor, and declared here.

Note that you take full responsibility for the content of the thesis and the accuracy of all material. AI cannot be credited as the author of any text or other written work. AI cannot take responsibility for the content of the text.

If you use generative AI in a thesis in other ways than declared, or the use can be considered as academic misconduct, it will be handled according to the same principles as other cases of misconduct. The same applies if you fail to report that you used generative AI.

Contents

Abstract 2

Foreword 3

Declaration of Generative AI in the Thesis 4

Contents 5

1. Introduction 6

1.1 Theoretical and contextual background 6

1.2 Research objective and questions 6

1.3 Research gap 6

1.4 Definitions and key concepts 6

2. Methodology 7

2.1 Narrative literature review 7

References 8

Appendix A. The styles used in the document 9

# Introduction

This is a template for bachelor theses and master’s theses in Information Processing Science. This template outlines the required formatting and referencing used in theses.

Every chapter starts with text. The text acts as a short introductory part for the following sections.

## Theoretical and contextual background

## Research objective and questions

## Research gap

## Definitions and key concepts

# Methodology

Times New Roman 12pt line spacing 1

## Narrative literature review

Times New Roman 12pt line spacing 1

Literature review as methodology and narrative literature review as it sub-type

How many sources?

* Why I chose them?
* How were they verified?

# The topic jeejee

References

Appendix A. The styles used in the document