

# A SAMPLE OF THESIS

by

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in partial fulfillment of the requirements for the degree of  
Masters of Science in Computer Science

Department of Computer Science

Lakehead University

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To my wife, without whom I would most certainly be lost <sup>1</sup>

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<sup>1</sup>This page is optional. You can just omit `\dedication` in your source file to omit this page.

# Lakehead

UNIVERSITY

OFFICE OF GRADUATE STUDIES

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NAME OF STUDENT: Daniel Manfred Klein

DEGREE AWARDED: Masters of Science in Computer Science

ACADEMIC UNIT: Department of Computer Science

TITLE OF THESIS: **A SAMPLE OF THESIS**

This thesis have been prepared  
under my supervision  
and the candidate has complied  
with the Master's regulations.

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Signature of Supervisor

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Date

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# Acknowledgments

You may write down some acknowledgements in this file.<sup>2</sup>

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<sup>2</sup>This page is optional.

# Abstract

This file contains abstract of the thesis.



# Chapter 1

## Introduction

This is a sample of  $\LaTeX$  file about how to use the thesis template. To use the template of thesis, you need to download the files `LUthesis.sty`, `sample-thesis.tex`, `Abstract.tex` and `Acknowledgements.tex`.

This template uses a style file instead of a `.cls` file so that we can take the advantages of `report.cls` and make things simpler.

Any input and suggestions are welcomed. You may send an email for comments to

`ruizhong.wei@lakeheadu.ca`

To use this template, you need some basic knowledge about  $\LaTeX$ , which can be easily found by google search with the key word `LaTeX`.

### 1.1 Main idea

After you downloaded the files, you may type your thesis by editing the three `.tex` files. You may first read the `sample-thesis.tex` and try to understand the command lines in the file. You can do that by comparing the `sample-thesis.tex` and `sample-thesis.pdf` files.

Note that you should use a plain text editor to edit the `.tex` file. You also need a  $\LaTeX$  compiler in your computer. For windows user, you may use MikTeX as a compiler and LEd (Latex Editor) as an editor. These are free software. UNIX system usually has a latex compiler.

## 1.2 Examples of tables

Some examples of tables are displayed here. These tables are from [1].

OSI model	IP model
Application	Application
Presentation	
Session	TCP/UDP
transport	
Network	IP
Data Link	Data link
Physical	Physical

Table 1.1: Network layer stack

Another table from [1].

0	8	16	31
Next Header	Payload Length	Reserved	
Security Parameters Index (SPI)			
Sequence Number			
Authentication Data (variable)			

Table 1.2: IPSec Authentication Header

**Theorem 1.1.** *You must work hard to produce a good thesis.*

*Proof:* Otherwise it is not worth to write a thesis.

□

# Chapter 2

## Graphs

The graphs in  $\text{\LaTeX}$  file usually are with the `.eps` format. Here are some examples from [1].

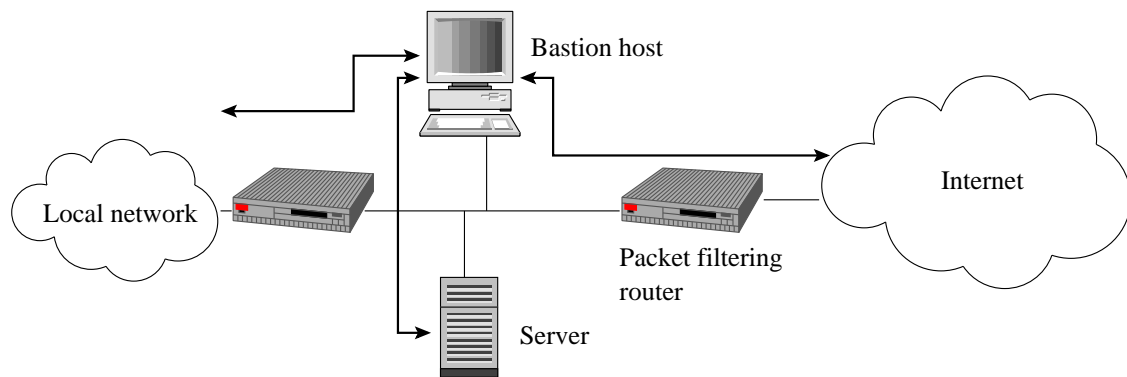


Figure 2.1: Screened-subnet firewall

**Lemma 2.1.** *Theorem 1.1 is also true if you change “thesis” to “graph”.*

The following is a simple example which scales the graph of Figure 2.1.

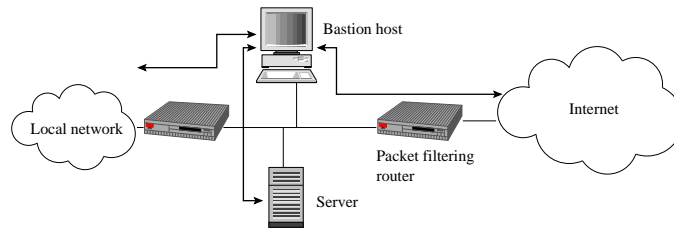


Figure 2.2: A smaller graph

# References

- [1] R. Wei, Lecture Notes of CS4476, <http://ccc.cs.lakeheadu.ca/cs4476.html>.