

TALLINN UNIVERSITY OF TECHNOLOGY

Department of Computer Science

TUT Center for Digital Forensics and Cyber Security

ITC70LT

Gvantsa Grigolia 144965

EVALUATION OF DATA OWNERSHIP SOLUTIONS IN REMOTE STORAGE.

Master Thesis

Supervisor: Ahto Buldas

MsC

Tallinn 2016

Autorideklaratsioon

Autorideklaratsioon on iga lõputöö kohustuslik osa, mis järgneb tiitellehele. Autorideklaratsioon esitatakse järgmise tekstina:

Olen koostanud antud töö iseseisvalt. Kõik töö koostamisel kasutatud teiste autorite tööd, olulised seisukohad, kirjandusallikatest ja mujalt pärinevad andmed on viidatud. Käsolevat tööd ei ole varem esitatud kaitsmisele kusagil mujal.

Autor: [Ees- ja perenimi]

[April 26, 2016]

Annotatsioon

Annotatsioon on lõputöö kohustuslik osa, mis annab lugejale ülevaate töö eesmärkidest, olulisematest käsitletud probleemidest ning tähtsamatest tulemustest ja järeldustest. Annotatsioon on töö lühitutvustus, mis ei selgita ega põhjenda midagi, küll aga kajastab piisavalt töö sisu. Inglisekeelset annotatsiooni nimetatakse Abstract, venekeelset aga

Sõltuvalt töö põhikeelest, esitatakse töös järgmised annotatsioonid:

- kui töö põhikeel on eesti keel, siis esitatakse annotatsioon eesti keeles mahuga $\frac{1}{2}$ A4 lehekülge ja annotatsioon *Abstract* inglise keeles mahuga vähemalt 1 A4 lehekülge;
- kui töö põhikeel on inglise keel, siis esitatakse annotatsioon (Abstract) inglise keeles mahuga $\frac{1}{2}$ A4 lehekülge ja annotatsioon eesti keeles mahuga vähemalt 1 A4 lehekülge;

Annotatsiooni viimane lõik on kohustuslik ja omab järgmist sõnastust:

Lõputöö on kirjutatud [mis keeles] keeles ning sisaldab teksti [lehekülgede arv] leheküljel, [peatükkide arv] peatükki, [jooniste arv] joonist, [tabelite arv] tabelit.

Abstract

Võõrkeelse annotatsiooni koostamise ja vormistamise tingimused on esitatud eestikeelse annotatsiooni juures.

The thesis is in [language] and contains [pages] pages of text, [chapters] chapters, [figures] figures, [tables] tables.

Glossary of Terms and Abbreviations

Lühendite ning mõistete sõnastikku lisatakse kõik töö põhitekstis kasutatud uued ning ka mitmetähenduslikud üldtuntud terminid. Näiteks inglisekeelne lühend PC võib tähendada nii Personal Computer kui ka Program Counter, sõltuvalt kontekstist. Lühendid ja mõisted esitatakse tabuleeritult kahte tulpas selliselt, et vasakul on esitatud lühend või mõiste ja paremal tulpas seletus. Inglisekeelsed sõnad seletustes esitatakse kaldkirjas. Alltoodud näited esitavad lühendite ja mõistete sõnastiku korrektset vormistamist.

IPv6	Internet Protocol version 6
ICMPv6	Internet Control Message Protocol version 6
Node	ll
NAT	dd
IANA	Internet Assigned Numbers Authority
BYOD	Bring Your Own Device
OS	Operating System
IoT	Internet of Things
rootkit	ff

Contents

1	Introduction	9
2	Terms and definition	10
3	Related Work	11
3.1	Background	11
3.2	Related Work	11
3.3	Conclusions	11
4	Approach	12
5	Evaluation	13
6	Future Work	14
7	Conclusions	15
	References	16
A	Appendix 1	17

List of Figures

List of Tables

1. Introduction

Describes the problem statement, illustrates why this is a problem and describes the contribution the thesis makes in solving this problem. Optionally, it can give a short description (1-3 sentences each) of the remaining chapters. Good introductions are concise, typically no longer than 4 pages.

The introduction reveals the full (but summarized) results of your work. This appears counter-intuitive: does this not break the tension, like revealing the name of the murderer on the first page of a thriller? Yes, it does. That is the whole point. A thesis, and thus its architecture, aims primarily to inform, not entertain.

2. Terms and definition

Defines the fundamental concepts your thesis builds on. Your thesis implements a new type of parser generator and uses the term non-terminal symbol a lot? Here is where you define what you mean by it. The key to this chapter is to keep it very, very short. Whenever you can, don't reinvent a description for an established concept, but reference a text book or paper instead.

3. Related Work

3.1. Background

3.2. Related Work

Collects descriptions of existing work that is related to your work. Related, in this sense, means aims to solve the same problem or uses the same approach to solve a different problem. This chapter typically reads like a structured list. Each list item summarizes a piece of work (typically a research paper) briefly and explains the relation to your work. This last part is absolutely crucial: the reader should not have to figure out the relation himself. Is your piece better from some perspective? More generalizable? More performant? Simpler? It is ok if it is not, but I want you to tell me.

3.3. Conclusions

4. Approach

Outlines the main thing your thesis does. Your thesis describes a novel algorithm for X? Your main contribution is a case study that replicates Y? Describe it here.

5. Evaluation

Describes why your approach really solves the problem it claims to solve. You implemented a novel algorithm for X? This chapter describes how you ran it on a dataset and reports the results you measured. You replicated a study? This chapter gives the results and your interpretations.

The Approach and Evaluation chapters contain the meat of your thesis. Often, they make up half or more of the pages of the entire document.

6. Future Work

In science folklore, the merit of a research question is compounded by the number of interesting follow-up research questions it raises. So to show the merit of the problem you worked on, you list these questions here. If you don't care about research folklore (I did not as a student), this chapter is still useful: whenever you stumble across something that you should do if you had unlimited time, but cannot do since you don't, you describe it here. Typical candidates are evaluation on more study objects, investigation of potential threats to validity, ... The point here is to inform the reader (and your supervisor) that you were aware of these limitations. Limit this chapter to very few pages. Two is entirely fine, even for a Master's thesis.

7. Conclusions

Short summary of the contribution and its implications. The goal is to drive home the result of your thesis. Do not repeat all the stuff you have written in other parts of the thesis in detail. Again, limit this chapter to very few pages. The shorter, the easier it is to keep consistent with the parts it summarizes.

References

A. Appendix 1