

UNIVERSITY OF TARTU  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE  
Institute of Computer Science

YOUR NAME

# Thesis Tittle

Master/Bachelor Thesis (30 EAP)

*Supervisor: his/her name, degree*  
*Co-supervisor: his/her name, degree*

**Author:..... ”.....” Month 201X**

**Supervisor:..... ”.....” Month 201X**

**Professor:..... ”.....” Month 201X**

TARTU, 201X

## **Abstract**

150 words explaining your work

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## Acknowledgements

I would like to acknowledge ...

## LIST OF FIGURES

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# 1

## Introduction

### 1.1 Introduction

Briefly summarize the question (you will be stating the question in detail later), and perhaps give an overview of your main results. (it is not just a description of the contents of each section)

#### 1.1.1 Motivation

Some of the reasons why it is a worthwhile question.

#### 1.1.2 Contributions

Solution developed - (e.g. algorithm, tools, etc.)

#### 1.1.3 Outline

Brief introduction of each chapter

## 1. INTRODUCTION

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## **2**

# **State of the Art**

The state of the art used in the thesis highlighted the advances in the cloud computing domain and the mobile domain...

## **2.1 Topic**

The idea is to present the major ideas (current work, related work, etc.) in the state of the art right up to, but not including, your own personal brilliant ideas. You might investigate in different sources such as research papers, books, magazines, etc.

## **2.2 Summary**

Summarize the chapter with at least two paragraphs.

## 2. STATE OF THE ART

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## 3

# Problem Statement

Transition - Since the establishment of SyncML by the Open Handset Alliance (OHA); the synchronization of data is the adopted approach for supplying cloud resources to the handset...

### 3.1 Research Question

Engineering theses tend to refer to a problem to be solved where other disciplines talk in terms of a question to be answered. In either case, this section has three main parts: 1. a concise statement of the question that your thesis tackles 2. justification, by direct reference to section 3, that your question is previously unanswered 3. discussion of why it is worthwhile to answer this question.

### 3.2 Summary

To counter the problems with the interoperability across multiple clouds, to perform data-intensive processing invocation from the handset and to introduce the platform independence feature for the mobile cloud applications, the following thesis discusses a Mobile Cloud Middleware (MCM) (? ). The middleware provides a unique interface for mobile connection and multiple internal interfaces and adapters, which manage the connection and communication between different clouds. The MCM capabilities for managing the resource intensive tasks can easily be envisioned in several scenarios which are discussed in further sections as case of study.

### 3. PROBLEM STATEMENT

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## 4

# Your Contribution

Transition - Several are the issues that were discussed in previous chapter, regarding the use of cloud services from the mobile...

### 4.1 Your Brilliant Ideas ...

This part of the thesis is much more free-form. It may have one or several sections and subsections. But it all has only one purpose: to convince the examiners that you answered the question or solved the problem that you set for yourself in Section 4. Here, you have to present. Your brilliant idea(s), description, mathematical model that support your idea(s), analysis of the solution (e.g. performance, scalability, etc.)

### 4.2 Summary

Summarize the chapter with at least two paragraphs.

#### 4. YOUR CONTRIBUTION

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# 5

## Case Studies

Transition - The development of mobile applications that requires data-intensive processing and at the same time that keeps a tolerable interaction with the user, its feasible though the use...

### 5.1 Case of Study...

### 5.2 Summary

Summarize the chapter with at least two paragraphs.

## 5. CASE STUDIES

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## 6

# Conclusions

Summarize your work and results.

## 6. CONCLUSIONS

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## 7

# Related Work

Compare your solution with existing projects. How your solution is better than the others?, why to use your solution?, etc.

## 7. RELATED WORK

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8

## Future Research Directions

Briefly indicate how your current research can be extended, some improvements, etc.

## 8. FUTURE RESEARCH DIRECTIONS

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## 9

# Sisukokkuvõte

Eesti abstract...

## 9. SISUKOKKUVÕTE

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Cloud Services from Mobiles, in: The 9th International Conference on Advances in Mobile Computing & Multimedia (MoMM-2011), ACM, 2011, pp. 87–95.

# Bibliography

- [1] H. Flores, S. N. Srirama, C. Paniagua, A Generic Middleware Framework for Handling Process Intensive Hybrid