

UiO : Department of Informatics
University of Oslo

Application-centric Infrastructure

Any short subtitle

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Master's Thesis Spring 2016



Application-centric Infrastructure

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Abstract

ThIS Is a change

The text of the abstract; typically, 2–5 sentences.

What it is all about?? Title page, abstract, ...

1. Introduction, containing: short intro into the area, what is happening
1.1 Motivation, containing: what triggered me to write about what I'm writing about
1.2 Methods, containing: which methods are you using, how do you apply them
2. Scenario, optional chapter for explaining some use cases one main scenario, and applicability of others; what is the outcome of the scenario ("switching action", display information, ...) 2.1 user scenario, (bad name, needs something bedre)
2.2 Requirements/Technological challenges, here: Semantic technologies, User Profiles/preferences, context-aware services, ... WLAN provisioning (FON.com), reasoning towards a group profile (advertisement, entertainment, information)
3. State-of-the art/Analysis of technology, structure your content after hardware/SW (or other domains). Describe which technologies might be used to answer the challenges, and how they can answer the challenges. Here: Middleware for bindling the moduls together. Focus on engine, Web or mobile? for all subchapters: provide an overview, then evaluate ("what is important for me?"), recommendation on which solution to go for
3.1 technology A: Semantic technologies, Protege, Ontology
3.2 technology B: User profiles (survey: SPICE, FOAF, tourist ontology,... -> none of them fit to my needs. Extend FOAF in areas of)
3.3 Context awareness: 3.4 Reasoning: overview, "why SWRL?"
4. Implementation 4.1 Architecture, functionality 4.2
5. Evaluation 5.1 Security (man in the middle attacks, replay attacks...) 5.2 Group Profile based service Personalization 5.3 Future work 6. Conclusions References

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Chapter 1

Preface

When and Where This thesis was written as a part of my Master's degree in Informatics at the University of Oslo. Most of the work was done in the period from Januar 2016 to May 2017. The thesis was done in collaboration with Norwegian Defence Research Establishment, but the thesis have solely been written by the author.

- in coporation with Norwegian Defence Research Esablishment How literature have been examined and where the publications have been found The names of the supervisors - Mariann Hauge - Erlend Larsen - ? Acknowlegement - Jan Erik Voldhaug - Petter Kristiansen - Ingar Bentstuen - review: Gunstein Thomas Frøseth(?) - Lasse Sæther

The envisaged time schedule (for a long thesis/60 ECTS) is: T0 0 starting month, T0+m denotes the month where the contribution to a certain chapter shalle be finalized T0+2 months: create an initial page describing the scenario T0+3: Provide a list of technologies which you think are necessary for the thesis T0+4: Establish the table of content (TOC) of the envisaged thesis. Each section shall contain 3-10 keywords describing the content of that section T0+7: Provide a draft of section 2 (scenario) and 3 (technologies) T0+10: Establish a draft on what to implement/architecture T0+11: Set-up an implementation, testing and evaluation plan T0+15: Evaluate your solution based on a set of parameters, keep in mind there is no such thing as a free lunch T0+17: Deliver the thesis

Part I

Introduction

Chapter 2

Background

2.1 Software defined Networks

Part II

The project

Chapter 3

Planning the project

Part III

Conclusion

Chapter 4

Results

