PHD Outline

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1 Introduction

- 1.1 Thesis statement
- 1.2 Research design
- 1.3 Chapters outline
- 1.4 Problem statement

1.5 References

2 Literature Review

- 2.1 Motivation
- 2.2 Big Data
- 2.2.1 Value of big data
- 2.2.2 Big data characteristics
- 2.2.3 State of art
- 2.2.4 The dark side of the moon(big data challenges)

- 2.3 Reference architectures
- 2.3.1 The concept of reference architectures
- 2.3.2 Concrete architectures
- 2.3.3 How reference architectures vary
- 2.3.4 Value of reference architectures
- 2.3.5 Reference architecture as the cornerstone
- 2.3.6 Reference architectures in practice
- 2.3.7 Reference architectures in academia
- 2.3.8 White papers
- 2.4 Ecommerce systems
- 2.4.1 State of art
- 2.4.2 Ecommerce and big data intersection
- 2.4.3 Data-oriented ecommerce practices
- 2.4.4 Smart ecommerce systems
- 2.4.5 Ecommerce common modules
- 2.4.6 Ecommerce architectures in practice
- 2.4.7 White papers

3 Research Methodology

- 3.1 The nature of the research
- 3.2 Reseach Design
- 3.3 Design science Research
- 3.4 Theory
- 3.5 Justification

- 4 Design
- 4.1 Architectural views
- 4.2 Fabrics
- 4.3 TBD
- 5 Discussion & Evaluation
- 5.1 The prototype
- 5.2 Architectural analysis
- 6 Conclusion