

Lunds Tekniska Högskola

Optimizing business intelligence extraction speed from an ERP-system's database

(Master Thesis)

Alexander Söderberg

Max Åberg

email@alexandersoderberg.com

aaberg.max@gmail.com

February 5, 2015

Master's thesis work carried out at Perfect IT BeX AB.

Supervisors: Lennart Söderberg, lennart@perfectit.se Alma Orucevic Alagic, alma@cs.lth.se

Examiner: Per Andersson, per.andersson@cs.lth.se

Abstract

ToDo: Skriv abstract

Keywords: MSc, MsSQL, ERP, Optimization

Acknowledgements

ToDo: Skriv acknowledgements

Contents

1	Introduction	7
2	Background	9
	2.1 Background	9
	2.2 Problem description	9
	2.3 Thesis Goals	9
	2.4 Scope	9
	2.5 Related Work	9
	2.6 Contributions	9
3	Research Questions & Methodology	11
	3.1 Research Questions	11
	3.2 Methodology	11
	3.3 Work	11
4	Approach	13
	4.1 •	13
5	Proposed Solution	15
	5.1 Solution Introduction	15
	5.2 Integration	15
6	Software Development & Testing	17
7	Discussion	19
8	Conclusion	21

Chapter 1 Introduction

ToDo: Words...

Background

- 2.1 Background
- 2.2 Problem description
- 2.3 Thesis Goals
- 2.4 Scope

The time frame of a master thesis is limited and therefore work limitations have to exist. The system consists of several essential parts, all of which can be optimized in different extent. The focus of this thesis's is speed optimization of business intelligence reports and therefore the following limitations have been established:

2.5 Related Work

2.6 Contributions

Research Questions & Methodology

- 3.1 Research Questions
- 3.2 Methodology
- 3.3 Work

2	RESEARCH	\boldsymbol{C}	DIESTIONS	Я	METHODOLOGY
٠.	NESEARCH	v	OESTIONS	œ	METHODOLOGI

Chapter 4 Approach

4.1 •

Database schema link

Proposed Solution

- 5.1 Solution Introduction
- 5.2 Integration

Chapter 6 Software Development & Testing

Discussion

Chapter 8 Conclusion