

Table of Contents

1	Introduction.....	1
1.1	Motivation.....	1
1.2	Problem Statement.....	4
1.3	Research Objectives	9
1.4	Contribution of the Thesis	10
1.5	Research Methodology.....	11
1.6	Research Limitations	15
1.7	Thesis Structure.....	16
2	Related Work	18
3	Conceptual and Theoretical References	22
3.1	Enterprise Architecture Management	23
3.1.1	Definition of Enterprise Architecture.....	23
3.1.2	Enterprise Architecture Approaches.....	25
3.1.3	Definition of Enterprise Architecture Management.....	26
3.1.4	Enterprise Architecture Management Approaches.....	26
3.1.5	Examples of Enterprise Architecture Management Tools.....	27
3.1.5.1	LeanIX: EAM for everyone.....	28
3.1.5.2	KEEP®: Krallmann Enterprise Architecture Evaluation Platform.....	30
3.1.6	Relevance and Demarcation to EAM.....	32
3.2	Lifecycle Management	32
3.2.1	Product Lifecycle Management	33
3.2.2	System Lifecycle Management	34
3.2.3	Application Lifecycle Management	35
3.3	Interface Management	37
3.3.1	Interface Definition	39
3.3.2	Interface Notation.....	42
3.3.3	Interface's Attributes	43
3.3.4	Importance of Interfaces	44
3.3.5	Interface Related Documents	47
3.3.6	Integration vs. Interoperability.....	48
3.3.7	Interface's Schema of Functionality	49
3.3.8	Interface Management Approaches.....	53
3.4	Change Management	53
3.5	Summary.....	57
4	Interface Lifecycle Management.....	60
4.1	Target Audience	62
4.2	Interface Lifecycle.....	63
4.3	Interface Catalogue.....	69
4.3.1	Stakeholders of Interface Catalogue.....	70
4.3.2	Utilization of Interface Profile	70
4.3.3	Interface Profile.....	75
4.3.4	Data Model of Interface Profile	85
4.3.5	Procedures of Data Collection	90
4.3.6	Governance of Interface Profile	92

4.4	Impact of Change on Interface	93
4.5	Interface Metrics.....	97
4.6	Summary	106
5	Evaluation	108
5.1	Case Study 1: CEWE Stiftung & Co. KGaA	109
5.2	Case Study 2: The Logistics Company.....	115
5.3	Comparison and Results	125
5.4	Summary	126
6	Conclusion and Outlook	127
6.1	Research Summary	127
6.2	Future Work Directions	129
6.2.1	Interface Landscape Visualization	129
6.2.2	Interface Ontology.....	130
7	Reference List	132
Appendix A	150