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IDENTITY MANAGEMENT FRAMEWORK AN APPROPRIATE APPROACH FOR SRI LANKAN ORGANISATIONS

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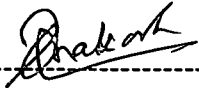


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DECLARATION

“I certify that this dissertation does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any university to the best of my knowledge and believe it does not contain any material previously published, written or orally communicated by another person or myself except where due reference is made in the text. I also give consent for my dissertation, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations”



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Mr. Shantha Fernando

Supervisor

Date: 06/02/2009

ABSTRACT

Information is the lifeblood of any organisation and it is imperative that it's secured through implementing a better Identity Management framework, which consists of Authentication, Authorisation, Provisioning/de-provisioning, Security Policies, Risk Analysis and Controls.

The Information Systems have dealt with identity issues for many years, but only recently the technologists started to pursue a wide-ranging approach to Identity Management, which supports to meet the key security management requirements, that most companies have today. The solutions of Identity Management helps to increase the Information Security and minimise the risk of Identity Theft, by helping to manage the life cycle of a single identity and mapping that identity across multiple systems, principally to reduce the complexity and cost.

Due to the recognised importance of Identity Management, this research project investigates the factors that affects the implementation process of an Identity Management solution, through a study among thirty two companies in Sri Lankan financial, telecommunication and software industries.

Finally, conclusions are presented together with a reference to the research limitations and some management implications. Some of the main findings of this study is that the level of identity management implementation is associated with the user knowledge and awareness in the concept of Identity Management, management readiness and user training programmes to create awareness.

It is also found that there is a positive correlation between the level of Identity Management implementation and management commitment and participation. These findings are important to improve the quality of implementation methodology when companies start to implement a new Identity Management infrastructure or updating their existing IT security infrastructure.

LIST OF ABBREVIATIONS

IDM/IdM	Identity Management
ID	Identity
DI	Digital Identity
ISM	Identity and Security Management
IAM	Identity and Access Management
SIM	Secure Identity Management
VPN	Virtual Private Network
EDP	Electronic Data Processing
SLA	Service Level Agreements
CRL	Certificate Revocation List
PEP	Policy Enforcement Point
PDP	Policy Decision Point
ADA	Authorization Decision Assertion
LDAP	Lightweight Directory Access Protocol
DNS	Domain Name System
RMI	Remote Method Invocation
PKI	Public Key Infrastructure
ROI	Return on Investment
DV	Dependent Variable
IV	Independent Variable



TABLE OF CONTENTS

ACKNOWLEDGEMENT	I
DECLARATION	II
ABSTRACT	III
LIST OF ABBREVIATIONS	IV
TABLE OF CONTENTS	V
TABLE OF FIGURES	VIII
TABLE OF TABLES	VIII
1 INTRODUCTION	1
1.1 BACKGROUND.....	1
1.1.1 Trend of Digital Identity	2
1.1.2 Identity Management	2
1.1.3 Business Benefits	3
1.2 RESEARCH QUESTION	4
1.2.1 Implementation Issues of Moratuwa, Sri Lanka.....	4
1.3 RESEARCH OBJECTIVES.....	5
1.4 RESEARCH METHODOLOGY.....	6
1.4.1 Literature Review.....	6
1.4.2 Research Methodology.....	6
1.4.3 Motivation.....	7
1.4.4 Limitation	7
1.5 OUTLINE OF THE REPORT	7
1.6 RELATED STUDIES	9
1.6.1 Digital Identity Management – Benefits & Challenges.....	9
1.6.2 Learner Identity Management Framework	9
1.6.3 Identity Management: On the “Identity = Data + Policies” Model	10
1.6.4 End to End Identity Management Architecture for the Enterprise.....	10
2 REVIEW OF LITERATURE	11
2.1 IDENTITY	11
2.1.1 Human Identity	12
2.1.2 Digital Identity.....	14
2.2 DIGITAL IDENTITY AND TYPICAL SECURITY.....	15
2.2.1 Information Security	15
2.2.2 Challenges of Digital Identity	17
2.3 IDENTITY MANAGEMENT.....	19
2.3.1 Main Components.....	21

2.3.2	Life Cycle	29
2.3.3	Infrastructure	32
2.3.4	Compliances	36
2.3.5	Logging and Control	36
2.3.6	Business Value.....	36
2.4	IDENTITY MANAGEMENT FRAMEWORK.....	40
2.4.1	Components of the framework	41
2.5	USER AWARENESS	42
2.5.1	IT Administrative Staffs	43
2.5.2	End Users	43
2.6	TOP MANAGEMENT COMMITMENTS AND INVOLVEMENTS	44
3	RESEARCH METHODOLOGY.....	46
3.1	OBJECTIVE OF THE STUDY	46
3.2	STEPS OF METHODOLOGY.....	46
3.3	THEORITICAL FRAMEWORK.....	47
3.4	HYPOTHESIS	48
3.5	THE QUESTIONNAIRE	50
3.5.1	Questionnaire Design.....	50
3.5.2	Design of Measures.....	52
3.5.3	Research Participants.....	52
3.6	DATA COLLECTION PROCESS.....	54
3.7	ANALYSIS METHODOLOGY.....	55
4	DATA ANALYSIS.....	56
4.1	INTRODUCTION.....	56
4.2	DISCRIPTIVE STATISTICS	56
4.2.1	Measure of Reliability	58
4.2.2	Validity Test.....	59
4.3	HYPOTHESIS TESTING	60
4.3.1	Overall Measures	60
4.4	STEPS OF HYPOTHESIS ANALYSIS.....	60
4.4.1	Hypothesis 1.....	61
4.4.2	Hypothesis 2.....	63
4.4.3	Hypothesis 3.....	64
4.4.4	Hypothesis 4.....	65
4.4.5	Summarised Results.....	67
4.5	CONCLUSION	67
5	CONCLUSION AND RECOMMENDATIONS.....	68
5.1	RESEARCH PROBLEM	68
5.2	SUMMARY OF THE RESEARCH FINDINGS.....	68
5.3	LIMITATION OF THE STUDY.....	69

5.4	IMPLICATIONS FOR MANAGEMENT	70
5.5	DIRECTIONS FOR FUTURE RESEARCH.....	72
5.6	CONCLUSION	72
REFERENCES.....		74
APPENDIX 1		77
	QUESTIONNAIRE.....	77
APPENDIX 2		80
	SPSS OUTPUTS	80
	Descriptive Statistics.....	80
	Frequency Tables.....	81
	Cronbach's Alpha Tests.....	88
	Chi-Square Tests	89
	Hypothesis Testing.....	91
APPENDIX 3		103
	GRAPHICAL REPRESENTATIONS	103
	Single Sign On	103
	Main Hurdle for the IDM Implementation	103
	No Of Incidents Reported.....	103
	IDM Policy Status.....	104
	Authentication Methods	104



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TABLE OF FIGURES

Figure 2-1:Representation of an Identity	11
Figure 2-2:Perception of an Identity	12
Figure 2-3: Representation of Human Identity	13
Figure 2-4:Representation of Digital Identity	14
Figure 2-5:Digital Identity and typical security deal with many common areas in the information technology	17
Figure 2-6:Example of concrete IM system implementation where a subject was allowed to access an object though authorisation process. Figure inspired by (Windley, 2004)	25
Figure 2-7:Identity Management, (Watkins, 2005)	29
Figure 3-1:Theoretical Framework	47
Figure 3-2:The MS Access layout for the data feed	55
Figure 4-1:Industry wise Responses	57
Figure 4-2:Responders Summary.....	57
Figure 4-3:Identity Management Status.....	58

TABLE OF TABLES

Table 2-1:Generic IDM framework based on literature reviews.....	40
Table 4-1:Summary of Reliability Check.....	59
Table 4-2: Overall Measures.....	60
Table 4-3:H1 Model Summary	61
Table 4-4:H1 ANOVA Output.....	62
Table 4-5:H1 Coefficients.....	62
Table 4-6:H2 Correlation Matrix.....	63
Table 4-7:H3 Model Summary	64
Table 4-8:H3 ANOVA Output.....	64
Table 4-9:H4 Model Summary	65
Table 4-10:H4 ANOVA Output.....	66
Table 4-11:H4 Coefficients.....	66
Table 4-12:Hypothesis Summary.....	67