Table of Contents

Foreword ............................................................................................................................................. xv

Preface .............................................................................................................................................. xviii

Acknowledgment ........................................................................................................................... xxv

Section I
Frameworks and Methodologies

Chapter I
A Methodology for Government Transformation with Enterprise Architecture......................... 1
Pallab Saha, National University of Singapore, Singapore

Chapter II
A Service-Oriented Reference Architecture for E-Government.................................................. 30
Marc M. Lankhorst, Telematica Instituut, The Netherlands
Guido I.H.M. Bayens, Novius, The Netherlands

Chapter III
Role of Beacon Architecture in Mitigating Enterprise Architecture Challenges of the Public
Sector ................................................................................................................................................ 56
Amit Bhagwat, Independent Consultant, UK

Chapter IV
Maturity Model Based on Quality Concept of Enterprise Information Architecture (EIA)........... 82
Hong Sik Kim, Korea Polytechnique University, Korea
Sungwook Moon, ComponentBasis, Co., Ltd., Korea

Chapter V
Measuring the Benefits of Enterprise Architecture: Knowledge Management Maturity ............. 106
Alan Dyer, EWA, Australia
Section II
Leadership, Governance, and Management

Chapter VI
The Criticality of Transformational Leadership to Advancing United States Government Enterprise Architecture Adoption ................................................................. 130
William S. Boddie, National Defense University, USA

Chapter VII
Adaptive IT Architecture as a Catalyst for Network Capability in Government ........................................... 149
Jay Ramanathan, The Ohio State University, USA
Rajiv Ramnath, The Ohio State University, USA
Anand Desai, The Ohio State University, USA

Chapter VIII
Design Integrity and Enterprise Architecture Governance .................................................................................. 173
Chris Aitken, Queensland Health, Australia

Chapter IX
Policy Mapping: Relating Enterprise Architecture to Policy Goals .............................................................. 191
Dwight V. Toavs, National Defense University, USA

Chapter X
Enterprise Architecture Management and its Role in IT Governance and IT Investment Planning ....................... 208
Klaus D. Niemann, act! Consulting GmbH, Germany

Chapter XI
The GEA: Governance Enterprise Architecture-Framework and Models ....................................................... 229
Vassilios Peristeras, National University of Ireland, Ireland
Konstantinos Tarabanis, University of Macedonia, Greece

Chapter XII
Enterprise Architecture and Governance Challenges for Orchestrating Public-Private Cooperation ...................... 263
Bram Klievink, Delft University of Technology, The Netherlands
Wijnand Derks, Telematica Instituut, The Netherlands
Marijn Janssen, Delft University of Technology, The Netherlands
Section III
Realization and Deployment

Chapter XIII
People-Led Enterprise Architecture
Neil Fairhead, Fujitsu Services, UK
John Good, Serco Consulting, UK

Chapter XIV
Using Enterprise Architecture to Transform Service Delivery: The U.S. Federal Government's
Human Resources Line of Business
Timothy Biggert, IBM Global Business Services, USA
Kunal Suryavanshi, IBM Global Business Services, USA
Ryan Kobb, IBM Global Business Services, USA

Chapter XV
Enterprise Architecture as Context and Method for Designing and Implementing
Information Security and Data Privacy Controls in Government Agencies
Scott Bernard, Carnegie Mellon University, USA
Shuyuan Mary Ho, Syracuse University, USA

Chapter XVI
Architecture Based Engineering of Enterprises with Government Involvement
John Mo, RMIT University, Australia
Laszlo Nemes, Nemes Consulting, Australia

Chapter XVII
Collaborative Enterprise Architecture for Municipal Environments
Leonidas G. Anthopoulos, Hellenic Ministry of Foreign Affairs, Greece

Chapter XVIII
Government Enterprise Architectures: Enabling the Alignment of Business Processes
and Information Systems
Nigel Martin, The Australian National University, Australia
Shirley Gregor, The Australian National University, Australia
Dennis Hart, The Australian National University, Australia

Compilation of References

About the Contributors

Index