Table of Contents

Foreword........................................................................................................................................... xvii

Preface................................................................................................................................................ xix

Acknowledgment.......................................................................................................................... xxviii

Section 1
The Connected Government Paradigm

Chapter 1
Connected Government as the New Normal: A Strategic Thinking Approach to Whole-of-Government Enterprise Architecture Adoption................................................................. 1
   Pallab Saha, National University of Singapore, Singapore

Section 2
Government as a Complex Adaptive System

Chapter 2
A Problem Oriented Enterprise Architecture Approach Applied to Wicked Problems .................. 57
   Bernard Robertson-Dunn, Australian Government Information Management Office, Australia

Chapter 3
The Power of EA Taxonomies in Enhancing Portfolio Visibility and Optimising Decision Making................................................................................................................................. 78
   Don Ashdown, Queensland Government, Australia
   Vanessa Douglas-Savage, Queensland Government, Australia
   Kirsten Harte, Queensland Government, Australia
   Ee-Kuan Low, Queensland Government, Australia
Section 3
Frameworks for Connected Government

Chapter 4
Integrating Agency Enterprise Architecture into Government-Wide Enterprise Architecture:
The Case of Korean Government Initiatives ................................................................. 105
Young-Joo Lee, National Information Society Agency, South Korea
Shinae Shin, National Information Society Agency, South Korea

Chapter 5
Government Enterprise Architecture: Towards the Inter-Connected Government in the
Kingdom of Saudi Arabia ............................................................................................ 121
Ali S. AlSoma, Ministry of Communications and Information Technology, Saudi Arabia
Hasan M. Hourani, Ministry of Communications and Information Technology, Saudi Arabia
Dato’ Mohd Salleh Masduki, Ministry of Communications and Information Technology, Saudi Arabia

Chapter 6
National Enterprise Architecture Framework: Case Study of EA Development
Experience in the Kingdom of Bahrain ........................................................................ 152
Ali AlSoufi, University of Bahrain, Bahrain
Zakaria Ahmed, eGovernment Authority, Bahrain

Chapter 7
Towards Whole-of-Government EA with TOGAF and SOA ........................................ 177
Awel S Dico, BMO Financial Group, Canada & The Open Group, UK & Addis Ababa
University, Ethiopia

Chapter 8
Enterprise Architecture in Countries with Volatile Governance:
Negotiating Challenges and Crafting Successes ......................................................... 205
Saleem Zoughbi, UN-ESCWA, Lebanon
Sukaina Al-Nasrawi, UN-ESCWA, Lebanon

Section 4
Transforming to Connected Government

Chapter 9
A Case Study in the Emergence of Coherence through Cultural Change .......................... 219
Charles Solverson, City of Tacoma, USA
Susan Coffman, City of Tacoma, USA
David Johnson, City of Tacoma, USA
Linda I. Paralez, Demarche Consulting Group, Inc., USA
Chapter 10
Ivo Velitchkov, European Commission, Belgium

Chapter 11
The Role of Services in Governmental Enterprise Architectures: The Case of the German Federal Government ........................................ 262
Dominik Birkmeier, University of Augsburg, Germany
Sabine Buckl, Technische Universität München, Germany
Andreas Gehlert, Federal Ministry of the Interior, Germany
Florian Matthes, Technische Universität München, Germany
Christian Neubert, Technische Universität München, Germany
Sven Overhage, University of Augsburg, Germany
Sascha Roth, Technische Universität München, Germany
Christian M. Schweda, Technische Universität München, Germany
Klaus Turowski, University of Augsburg, Germany

Chapter 12
An Investigative Assessment of the Role of Enterprise Architecture in Realizing E-Government Transformation ........................................ 288
Leonidas Anthopoulos, Technological Education Institute (TEI) of Larissa, Greece

Chapter 13
Architecting for Connected Healthcare: A Case of Telehomecare and Hypertension ................................................................. 306
Torben Tambo, Aarhus University, Denmark
Nikolai Hoffmann-Petersen, Regional Hospital Holstebro, Denmark
Karsten Bejder, Aarhus University, Denmark

Chapter 14
An Approach to Multi-Agency and Intra-Agency Unification with Enterprise Architecture Driven e-Government in South Africa .................................................. 326
Robert Benjamin, Nanograte Knowledge Technologies, South Africa

Chapter 15
An Architecture Driven Methodology for Transforming from Fragmented to Connected Government: A Case of a Local Government in Italy ........................................ 350
Walter Castelnovo, University of Insubria, Italy

Chapter 16
Moving towards the Connected Transformational Government: Perspectives from Malaysia and Beyond ...................................................... 374
Dzaharudin Mansor, Microsoft Corporation, Malaysia
Mohd. Rosmadi Mokhtar, National Universiti (UKM), Malaysia
Azlina Azman, Malaysian Administrative Modernisation and Management Planning Unit (MAMPU), Malaysia
Chapter 17
Enterprise Architecture for Personalization of e-Government Services:
Reflections from Turkey ................................................................. 389
   Alpay Erdem, Middle East Technical University (METU), Turkey
   İhsan Tolga Medeni, Middle East Technical University (METU), Turkey & Turksat, Turkey & Çankaya University, Turkey
   Tunc D. Medeni, Turksat, Turkey & Middle East Technical University (METU), Turkey & Yildirim Beyazit University (YBU), Turkey

Chapter 18
IT and Enterprise Architecture in US Public Sector Reform: Issues and Recommendations .......... 412
   Terry F. Buss, Carnegie Mellon University, USA
   Anna Shillabeer, Griffin Information Solutions, Australia

Section 5
Public Value Management in Connected Government

Chapter 19
Assessing the Value of Investments in Government Interoperability ........................................... 442
   Anthony M. Cresswell, SUNY Albany, USA
   Djoko Sigit Sayogo, SUNY Albany, USA
   Lorenzo Madrid, Microsoft Corporation, USA

Chapter 20
A Public Economics Approach to Enabling Enterprise Architecture with the Government Cloud in Belgium ................................................................. 467
   Marc Rabaey, University of Hasselt, Belgium

Chapter 21
   William S. Boddie, National Defense University iCollege, USA

Compilation of References ........................................................................ 515

About the Contributors ......................................................................... 546

Index........................................................................................................ 558