

# CALL FOR CHAPTERS

Proposal Submission: 15<sup>th</sup> February 2011

Full Chapter Submission: 15<sup>th</sup> May 2011

## Enterprise Architecture for Connected E-Government: Practices and Innovations

A Book Edited by Chief Editor, **Dr. Pallab Saha**, National University of Singapore

### INTRODUCTION

Enterprise Architecture (EA) *is the inherent design and management approach essential for organizational coherence leading to alignment, agility and assurance*<sup>1</sup>. Structured EA approach is often used to plan and implement efficient and effective transformation efforts. However, the strongest driver for EA is to improve service delivery and overall performance within the organization's business segments. Most governments worldwide are in the midst of substantial public sector transformation activities. A majority of these initiatives are triggered by the need to have better and seamless government services delivered online. The focus on automating government services often is largely limited to specific ministries and agencies. However, such initiatives lack the cross-ministry / agency viewpoints and coordination. This creates challenges in taking a Whole-of-Government (W-O-G) approach with its concomitant benefits, which are much more than benefits derived by taking agency-centric viewpoints. These shortcomings are clearly evident in the findings of the UN Global E-Government Survey 2010. According to the UN, the value of e-government will be increasingly defined by its contribution to national development. Lack of coherent strategy is often cited as the primary reason for under-development of e-government. Moving forward, more and more countries are adopting national e-government strategies and multi-year action plans, and EA is the strategy that governments are increasingly looking toward.

The United Nations (UN), in its Global E-Government Survey of 2008, used connected governance as its primary criteria by which to evaluate and rank national e-government programs. According to the survey report, the concept of connected government is derived from the W-O-G approach which utilizes technology as a strategic tool and enabler for public service innovation and productivity growth, the two key outcomes being innovation and productivity. Government transformation is a long term endeavor that is seldom impacted by any short term technology trends. In their transition toward connected government, all governments typically traverse through the four primary stages of e-government capability and maturity, each stage representing a progressively higher level in the government transformation continuum. EA is a critical success factor for all types, scale and intensities of e-government programs. The key goal of EA in government organizations is to make them citizen-centered, results-oriented and market-based. Governments usually pass through different evolutionary stages in their EA journeys. The MIT Center for Information Systems Research identifies four such evolutionary stages; business silos, standardized technology, rationalized data and applications and business modularity. Interestingly, there exists a positive correlation between the desired level of e-government capability and maturity and the required level of architectural maturity.

### OBJECTIVES

This book addresses the gap in current literature in terms of linking and understanding the relationship between e-government and government EA. Within this broader context, the focus is specifically on uncovering and comprehending the relationship between government EA and connected government. The primary reason for focusing on connected government is that it is the area where government EA has the highest potential to influence and as a result the highest levels of benefits derivation. With the intention of balancing theory and practice, this book aims to:

1. Demonstrate and disseminate the importance of government enterprise architecture in elevating the effectiveness of e-government programs.
2. Capture and bring forth the current advancements and thought leadership in the area of enterprise architecture in the context of connected government.
3. Provide national e-government initiatives with evidence-based, credible, field tested and practical guidance in crafting their respective architectures.
4. Showcase case studies and experience reports of innovative use of enterprise architecture in enhancing national e-government initiatives.

### INTENDED AUDIENCE AND POTENTIAL USES

1. Government CIOs, IT/IS Managers, Chief Architects, Analysts and Designers seeking better, quicker and easier approaches to respond to needs of their internal and external customers.

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<sup>1</sup> Coherency Management – Architecting the Enterprise for Alignment, Agility and Assurance; Doucet, Gotze, Saha & Bernard; 2010.

2. Line-of-Business Managers concerned with maximizing business value of IT and business competitiveness.
3. CTOs of business software companies interested in incorporating government EA to differentiate their products and services offerings and increasing the value proposition to their customers.
4. Consultants and practitioners desirous of new solutions and technologies to improve the productivity of their government clients.
5. Business management, public policy and IS management educators interested in imparting knowledge about this vital discipline.
6. Academic and consulting researchers looking to uncover and characterize new research problems and programs.
7. E-Government professionals involved with organizational technology strategic planning, technology procurement, management of technology projects, consulting and advising on technology issues and management of total cost of IT ownership.

## RECOMMENDED TOPICS AND THEMES

In the context of connected government the book intends to include, but is not limited to, chapters in the following broad topics and themes:

1. Government EA for compliance, complexity, innovation and coherency.
2. EA and portfolio management, public sector governance, government performance, investment management.
3. Economic value and impact of connected government.
4. Frameworks, reference models, methodologies, languages, tools and other supporting aspects of government EA.
5. Future of EA and its role in the government.
6. Government 2.0.
7. Government EA in countries with initial levels of e-government capability and maturity.
8. Government interoperability.
9. Government service innovation.
10. Government transformation and modernization, public sector reforms.
11. Open data initiative.
12. Policies, regulations and mandates for driving government enterprise architecture programs.
13. Public private partnerships with EA.
14. Segment architecture (e.g. healthcare, defense, education, disaster management, manufacturing, transportation and services).
15. Strategic (systems) thinking in the public sector.
16. Transparent and open government.
17. Whole of government EA (with emphasis on multi-layered federated structure of government).

## SUBMISSION PROCEDURE

Academic Researchers and Senior Industry Practitioners are invited to submit *no later than 15<sup>th</sup> February, 2011*, a two paragraph proposal briefly explaining the mission and concerns of the proposed chapter. Authors of accepted proposals will be notified by *15<sup>th</sup> March, 2011* about the status of their proposals and sent chapter organizational and submission guidelines. Full chapters are expected to be submitted by *15<sup>th</sup> May, 2011*. All submitted chapters will be reviewed on a double-blind review basis.

## PUBLISHER

This book is scheduled to be published by IGI Global (formerly Idea Group Inc.), publisher of the “Information Science Reference” (formerly Idea Group Reference), “Medical Information Science Reference,” “Business Science Reference,” and “Engineering Science Reference” imprints. For additional information regarding the publisher, please visit [www.igi-global.com](http://www.igi-global.com). This publication is anticipated to be released in 2012.

## IMPORTANT DATES AND DEADLINES

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| <b>15<sup>th</sup> February 2011:</b>  | Proposal Submission Deadline                                   |
| <b>15<sup>th</sup> March 2011:</b>     | Notification of Proposal Acceptance                            |
| <b>15<sup>th</sup> May 2011:</b>       | Full Chapter Submission  |
| <b>15<sup>th</sup> August 2011:</b>    | Notification of Chapter Acceptance along with Review Comments  |
| <b>15<sup>th</sup> September 2011:</b> | Final Chapter Submission along with signed Copyright Agreement |
| <b>15<sup>th</sup> October 2011:</b>   | Final Deadline   |

## EDITORIAL ADVISORY BOARD

The Chief Editor will be advised and supported by an Editorial Advisory Board (EAB), consisting of leading specialized experts from the academia and industry. The current members of the EAB include:

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**About the Chief Editor:** Dr. Pallab Saha is with the National University of Singapore (NUS). His current research, consulting and teaching interests include Enterprise Architecture (EA) and Governance. Dr. Saha has published three books, *Handbook of Enterprise Systems Architecture in Practice*; *Advances in Government Enterprise Architecture*; and *Coherency Management—Architecting the Enterprise for Alignment, Agility and Assurance*. His books are widely referred by practitioners and researchers around the world, making it to the *Top Seller* list in 2008 and 2009. His papers have been translated and published in Korean, Russian and Polish.

Dr. Saha is the primary author of the *Methodology for AGENCY ENTERPRISE ARCHITECTURE (MAGENTA)* and *Government EA Guidebook* for the Government of Singapore and has led them to international prominence. They are available in IDS Scheer's ARIS Toolset. He is a recipient of the Microsoft research grant in the area of Government EA supported by the UN and the World Bank. He consults extensively both in the public and private sectors. He has provided consulting services to the Ministry of Defence, Defence Science and Technology Agency, Infocomm Development Authority of Singapore, Integrated Health Information Systems, IP Office of Singapore, CPF Board, Singapore Healthcare Services, Governments of Oman and Kazakhstan and Great Eastern Life Assurance among others. He has been invited as a keynote / distinguished speaker to the World Bank, Carnegie Mellon University, UN University, The Open Group, Microsoft, SAP Labs, Denmark IT Society, Korea Institute for IT Architecture, IEEE, Nanyang Business School, Governments of South Australia, Jordan, UAE, Macau, Korea, Kazakhstan, Colombia, Auditor-General's Office of Singapore, Singapore Workforce Development Agency and Singapore Government CIO Forums among others. His work has been featured and cited by the UN, WHO, United States Department of Defense, Carlsberg and The Open Group and has contributed to the World Bank's EA Guidelines for Vietnam. Featured as an *Architect in the Spotlight* by the *Journal of EA* he has been an external examiner for doctoral research degree to the University of New South Wales and a Visiting Researcher to the UN University.

Earlier, as Head of Projects and Development he has managed Baxter's offshore development centre in Bangalore. He has had engagements in several Fortune 100 organizations in various capacities. Dr. Saha holds a Ph.D in Management (Information Systems) from the Indian Institute of Science, Bangalore and has received the best research design and best thesis awards. He is an alumnus of the MIT Sloan Executive Program.