India Enterprise Architecture Framework

Why, What, How and With What

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Characteristics of GovTech Initiatives

1. Rarely holistic, integrated;
2. Significantly vendor directed;
3. Scheme reactive, urgency overtakes importance;
4. Procurement is complex;
5. Reinventing the wheel, many times over;
6. New systems are launched, but legacy systems continue to linger;
7. Technology is an enabler era;
8. Practice, Law, Policy and Technology are not in sync;
9. Automation in IT departments is nothing to write about; and
10. Standards are seldom used, so scale-up is weak.
The Concept of Reference Architecture

Increased complexity scope size

Facilitate multi-site multi-organization multi-vendor multi-* system creation and life-cycle support

Effectively create new: products product lines product portfolio

Managing synergy

Providing guidance, e.g. architecture principles, best practices

Providing an architecture baseline and an architecture blueprint

Capturing and sharing (architectural) patterns

Providing a common lexicon and taxonomy

Providing a common (architectural) vision

Providing modularization and the complementary context

Articulation of domain and realization concepts

Explicit modeling of functions and qualities above systems level

Explicit decisions about compatibility, upgrade and interchangeability.

Achieve interoperability between many different and evolving systems

Source: Coutier et al., 2008
Government Enterprise Architecture (GEA), defined as a whole of government approach to support Government ecosystems by transcending boundaries for delivering services in a coordinated, efficient and equitable manner.
India Enterprise Architecture Framework (IndEA)

The vision of IndEA is “to establish best-in-class architectural governance, processes and practices with optimal utilisation of ICT infrastructure and applications to offer ONE Government experience to the citizens and businesses through digital services enabled by Boundaryless Information Flow™.” The IndEA comprises of eight distinct yet inter-related reference models, each covering a unique and critical architecture view or perspective.

- **Part 1 [India Enterprise Architecture Framework]**: This details the eight reference models based on TOGAF® and other Open Group Standards.

- **Part 2 [IndEA Adoption Guide – A Method Based Approach]**: This describes how IndEA can be adopted by government entities with TOGAF® ADM as the underlying methodology.
Driving Adoption (Proof of the Pudding)

» A National Standard
» Advisory and Sensitization Workshops
» Maturity Framework and Assessment
» Case Studies and Field Experiences
» Capacity Building and Academic Initiatives
Architecture Manifests Ambition

Thinking Big. Thinking Long. Thinking Deep
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