

Enterprise Architecture

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- Enterprise Architecture
 - What is it?
 - Where did it come from?
 - How long has it been around?
 - What are the objectives of EA?
 - Why is it a best practice?
 - What are some of the models?
 - The Kansas Legislature experience.

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- What is it?
- Definitions abound.
- “A means of describing business structures and processes that connect business structures” Carnegie Mellon
- “Description of the goals of an organization, how these goals are realized by business processes, and how these business processes can be better served through technology” R. Sessions

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- A strategic information asset base, which defines the business, the information necessary to operate the business, the technology necessary to support the business operations and the transitional processes necessary for implementing new technologies in response to the changing business needs.” GAO

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- Early work credited to John Zachman
- Zachman Framework 1987
- 1994 US DOD developed the Technical Architecture Framework for Information Management (TAFIM)
Discontinued in 2000
- 1996 Clinger/Cohen Act required Federal government to use EA and delegated to OMB responsibility to implement.
- 1999 Federal Enterprise Architecture Framework

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- Open Group Architecture Framework (TOGAF)
- Many Frameworks exist, government and private sector
- EA frameworks
 - Views to describe relationships.
 - Methods to provide disciplined gathering and organization of data. Constructing the views insuring integrity, accuracy and completeness.
 - Training/experience supporting the application of the method and use of tools.

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- Why is EA a best practice?
 - Aligns resources to objectives, generate “buy in”
 - Establishes standards
 - Justifies expenditures
 - Measures performance and productivity
 - Optimize performance and increase productivity
 - Support decision making in a changing environment
 - Trace impact of organizational changes on systems or business impact to changes in systems

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- Obstacles to EA
 - Complexity
 - Effort
 - Cost
 - Leadership

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- Kansas Experience
 - 1998 Legislature established Information Technology Executive Council (ITEC)
 - K.S.A. 75-7201
 - Adopt “information technology architecture”
 - Kansas Information Technology Architect (KITA)
 - Strategic Information Management Plan (SIM)
 - Kansas similar to Federal Enterprise Architecture Reference Model

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- Architecture Features

- Standards

- * Twilight Standards

- * Current Standards

- * Target Standards

- Organic and adaptive

- Principles Based

- Requires a Formal Waiver (hard to get)

- Created by Committees of State Enterprise Experts including Regents Universities

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- Kansas Legislature's experience
 - Internal governance structure
 - Strategic plan
 - E-democracy architecture
 - Open Source
 - Integrated services modules
- Anything you can do in the presence of Government, You can do electronically without regard to walls or clocks, provided it is free for citizens to use and requires no special training.

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- Next the Kansas Experience