



Introduction to Enterprise Architecture

Course Description

This 10 hour course is designed to familiarize you and your team with the frameworks and tools you will need to develop enterprise architecture. Targeted at CIO's, IT and business managers and planners, architects and analysts, this course will help you understand what is required to build and implement enterprise architecture. It introduces you to architectures processes and development methodology and provides examples and exercises. This intermediate-level course goes beyond theory and will provide you with practical strategies for successfully building enterprise architecture. The strategies you will learn are based on experience with large and mid-sized organizations and include "best practices."

Three frameworks are discussed. You will learn to use the Business Framework to identify what business information needs to be collected, strategies for collecting the information and approaches for organizing it.

You will be able to use the Architecture Framework to identify key architecture framework components—data, function, technology and people—and to apply the methods for developing key outputs—principles, models, inventory and standards. The course will also demonstrate how to trace the relationship of architecture outputs to information gathered using the Business Framework. The Framework for Implementation will provide you with proven strategies and guidelines for translating architecture to projects, for selecting projects and creating metrics, and for putting in place key processes that support architecture.

Each course module includes definitions, guidelines, and examples. The practice exercises will allow you to apply the guidelines from the three frameworks to your enterprise.

Learning Objectives

At the conclusion of the workshop, you will be able to:

- Understand which strategies for enterprise architecture work and why
- Describe the Business Framework
 - Know what information to collect
 - Understand how to collect and organize it
- Describe the Architecture Framework
 - Understand how to translate business drivers to architecture outputs
 - Know which architecture outputs to create: Principles, Models, Inventory, Standards
 - Understand how they are created
 - Describe six dimensions of architecture modeling
- Use the Framework for Implementation:
 - Select realistic projects for implementing target architecture
 - Define architecture metrics (Understand what to measure & Create business metrics)
 - Create the outline for an executive presentation
 - Define an architecture governance process
 - List key architecture roles & Assess architecture team staffing

Course Syllabus

Module 1: Introduction—The EA Toolkit

Objective: Understanding which strategies for enterprise architecture work and why

- Architecture: What and Why
- 4 Mini-Case Studies
- Best Practices
- The **infomajic** Toolkit for Enterprise Architecture

Module 2: Using the Business Framework

Objective: Understanding what business information to collect and how to collect and analyze it

- The Business Framework
- Capturing the Current State
- Analyzing the Current State
- Capturing the Target State
- Analyzing the Target State

Module 3: Using the Architecture Framework—Part 1

Objectives:

Understanding how to translate business drivers to architecture outputs

Understanding how to develop architecture outputs

- The Architecture Framework
- Principles
- Models—Part 1

Module 4: Using the Architecture Framework—Part 2

Objectives:

Reading architecture models - Describing six dimensions of architecture modeling

Understanding key facets of Inventory and Standards

- Models—Part 2
- Inventory/Standards

Module 5: Translating Architecture to Projects

Objective: Identifying and selecting viable architecture projects

- The Framework for Implementation
- Identifying Projects
- Selecting Projects

Module 6: Six Data-driven Project Implementation Strategies

Objective: Understanding how to intentionally minimize architecture project scope

- Six Strategies for Containing Project Scope

Module 7: Key Implementation Activities

Objectives:

Understanding what to measure and how to create metrics

Understanding how to gain concurrence for the target architecture

- Defining Metrics
- Gaining Concurrence for Architecture

Module 8: Key Architecture Processes

Objectives:

Defining architecture governance

Assessing and defining key processes

- Governing Architecture Compliance
- Related Architecture Processes

Module 9: Supporting Policies

Objective: Assessing adequacy of policies and roles that enable architecture

- Key Architecture Roles
- HR policies/processes for the architecture team.

FAQs

Q. What is the EA *Toolkit*?

A. The *Toolkit* is a set of practical, simplified frameworks and methods for assessing, constructing and implementing enterprise architecture.

Q. How does this approach relate to the Zachman Framework?

A. The **infomajic** *Toolkit* uses three frameworks for enterprise architecture. The frameworks are consistent with, but simpler than the Zachman Framework. They focus on the “upper rows” and provide methods for developing the outputs associated with the “cells.” The *Toolkit* also addresses strategies for implementing target architecture. The approach is very practical—it’s based on experiences as chief architect.

Q. Does the *Toolkit* address “soft” issues—like getting business buy-in for architecture?

A. Yes. The *Toolkit* includes a Framework for Implementation, which addresses strategies and practices for successfully gaining business and IT buy-in, and includes descriptions of key architecture processes and roles.

Q. How can you ensure that business needs are addressed in the architecture?

Having wrestled with this problem, we developed the Business Framework and methods for translating business needs to architecture outputs. The toolkit also addresses financial considerations and measurement development to tightly link architecture with the business.

Q. How do you create architecture outputs?

A. Using the Architecture Framework, we discuss what the critical outputs are—principles, models, inventory and standards—and include specific methods for developing them. Examples and exercises allow you to practice using them.

Q. How can you translate conceptual architecture to reality?

A. The toolkit includes a step-by-step approach to translating architecture to manageable projects—how to identify, select and “downsize” architecture projects to promote success.

Pre-course Assignment

When you begin the course, it is highly desirable to have available:

- A business strategy document that describes the desired future state of your organization, e.g.,
 - Mission/Goals Statements
 - Business Drivers
 - Key Business Initiatives/Major Programs
- Notes from an interview with a key opinion leader that describes where there are problems with the enterprise today (e.g., what is “right” and “wrong” with the organization.)

Contact Information

For further information, please contact: info@StartSmartS.com

Frequently Asked Questions: www.StartSmartS.com/aimit/faq.asp

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