Putting the Enterprise Architecture into Practice using Sparx EA

Description

This course aims at helping attendees understand how to put in practice an EA to meet the enterprise business strategies.

Concepts and techniques explained during the course are progressively applied by the attendees using a case study and different exercises on it.

Audience

Enterprise Architects, System Architects, Business Analysts, System Analysts, Software Designers

Prerequisites

Previous experience in Enterprise Architectures or at least having already acquired concepts of TOGAF

Outline

Essential concepts of Sparx EA for implementing an Enterprise Architecture

- Role of Sparx EA in implementing Enterprise Architecture Frameworks,
- Transforming the Business Model into an Operating Model,
- The Repository of the Sparx EA and its evolution on the basis of the EA Development phases,
- Putting in place the Architecture Capability Framework for Architecture Governance,
- Traceability from Drivers, Goals, Strategies, Principles till Capabilities and Requirements using EA,
- Case Study: Presentation of the Case Study – an enterprise transformation issue (current state, target state). High-Level organization of the enterprise architecture,

Putting the Enterprise Architecture into Practice using Sparx EA

Business Transformation : From Drivers, Goals and Objectives to the Architecture Vision

- Re-formulating the enterprise strategy and its activity domains,
- Assigning new responsibilities to existing capabilities,
- Horizontal and vertical impact analysis to ensure coherent deployment of the Target Architecture,
- Managing the performance level of target capabilities,
- A tentative impact analysis to elaborate business functions of the target architecture using UML,
- The business architecture, its meta-model and viewpoints using Sparx EA,
- Risk factors and Mitigation Actions upon business functions,
- Exercise on the Case Study

Structuring Capabilities to mitigate risks and analyze Impacts throughout Architecture Layers

- The application & technology architecture their meta-model and viewpoints using Sparx EA,
- Structure Capabilities to track risk mitigation by function, adapt them to changing goals,
- Align the SOA backbone of the Target Architecture with emerging business functions, underlying services and SLAs,
- Adapting underlying Business Process Models to strategic changes,
- Impact Analysis of changing capabilities until the technology layer,
- Exercise on the Case Study

Modeling the Roadmap, Transition Architectures to Coordinate Implementation Projects

- Identify building blocks of the potential architecture roadmap :
- Capability Increments for the Architecture Roadmap,
- Work Packages of Actions to implement capability increments and dependencies,
- Management of projects portfolio for assessing business values of the projects on the basis of risks,
- ‘Coordinating’ Implementation Projects using RoadMap Modeling,
- Exercise on the Case Study :

Plugging Solution Building Blocks into Capability Based SOA Backbone

Putting the Enterprise Architecture into Practice using Sparx EA

- From the Functional Architecture to Service Oriented Architecture,
- Architecture and solution building blocks,
- Information flows between services,
- Constraints upon service components of the technical architecture,
- Determining expected behaviors from Solution Building Blocks,
- Plugging Solution Building Blocks into the Capability Based SOA Backbone,
- Exercise on the Case Study

Conclusion

- Recap on the steps of the Architecture Development Process using Sparx EA : a panorama of artifacts
- Best Practices for efficient specification of Deliverables and Artifacts using Sparx EA

Prerequisites

Previous experience in Enterprise Architectures or at least having already acquired concepts of TOGAF