How it works?

Anatomy Driven Solution

Case I – Review the architecture of SOA Implementation

Current Architecture Focus

: SOA Implementation

Architecture Model (Diagrams)

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Case I – Review the architecture of SOA Implementation : sample artifacts, diagrams

Current Architecture Focus

: SOA Implementation

Architecture Models (Diagrams)

System requirements
Some use cases
Process models,
Data models,
UI models,
Component model
Service descriptions
Code implementation

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Case I – SOA Implementation : Transformation to Enterprise Anatomy Model

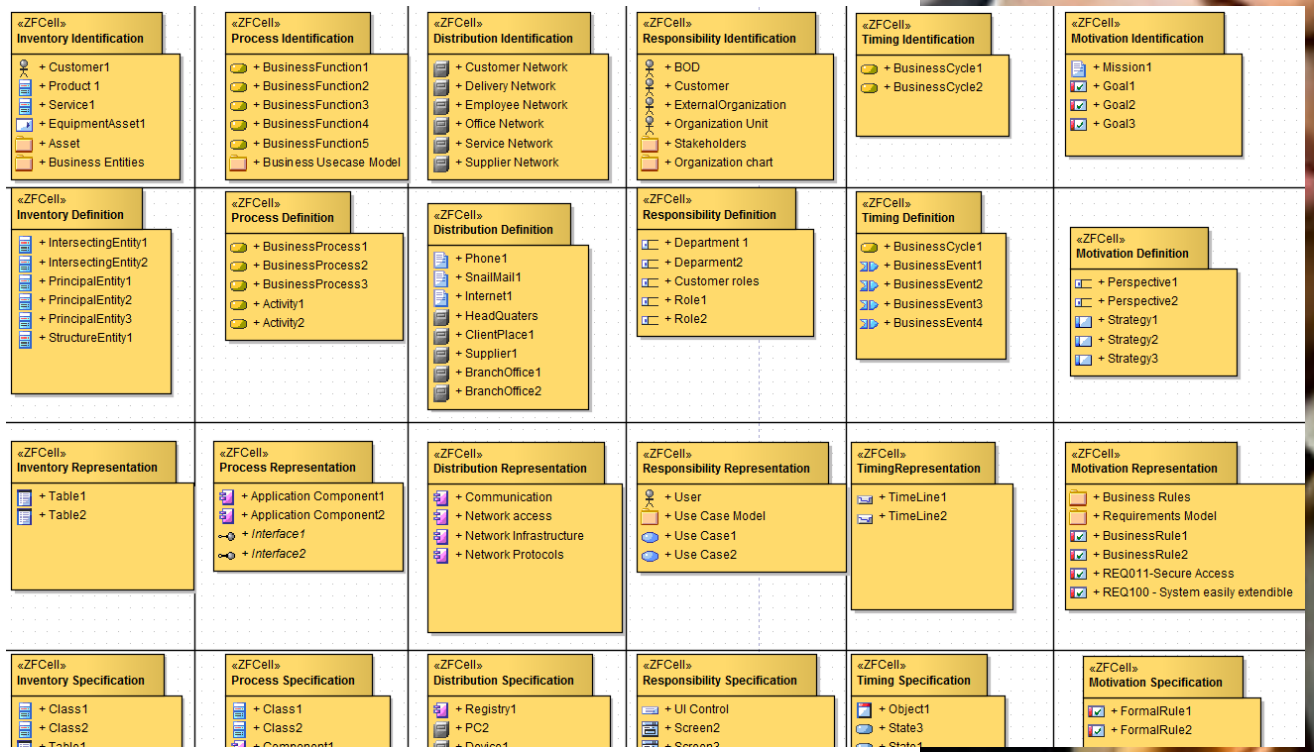
Current Architecture Focus

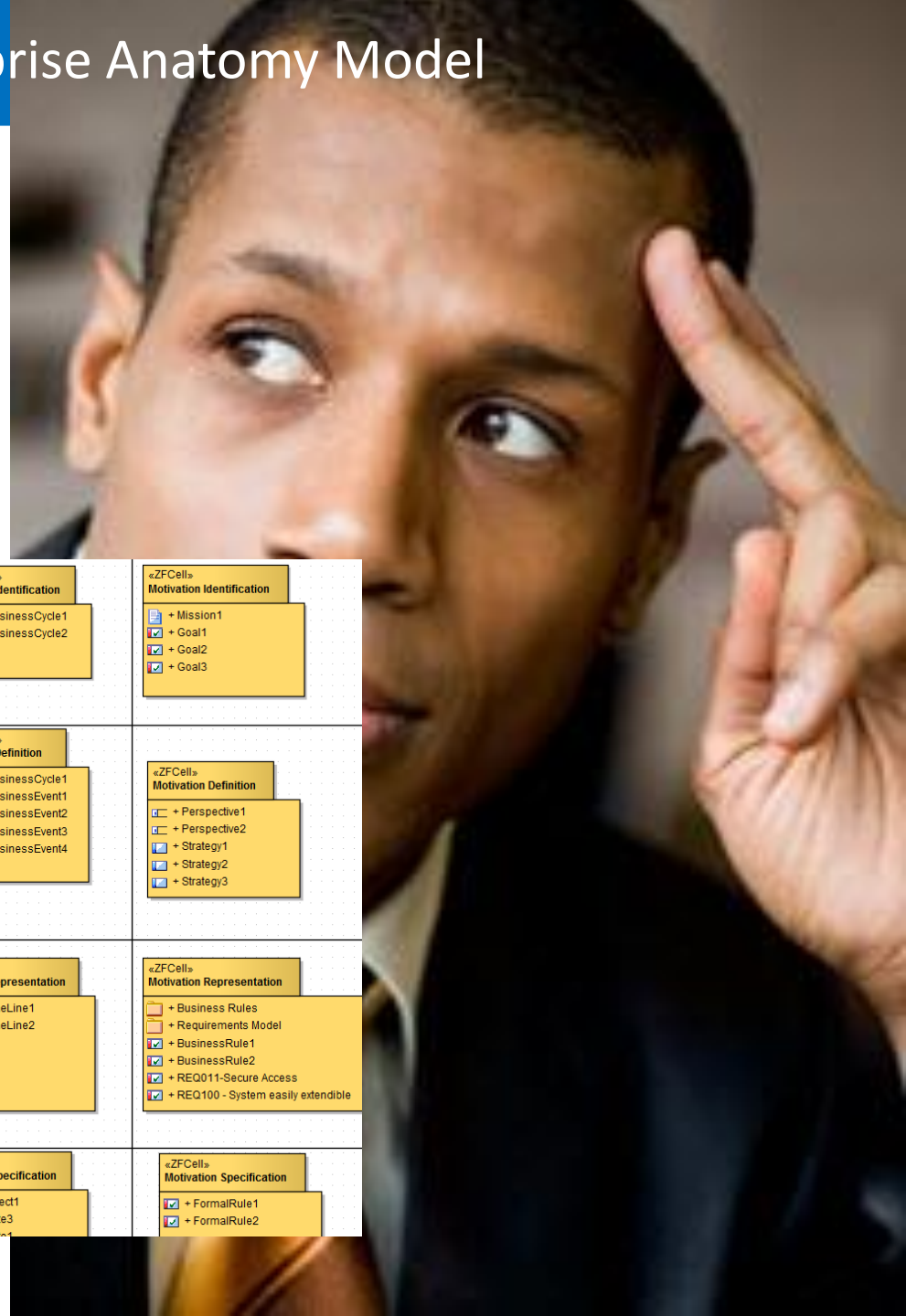
: SOA Implementation

New Focus : Enterprise Anatomy Driven Solution

: SOA Implementation

Architecture Model





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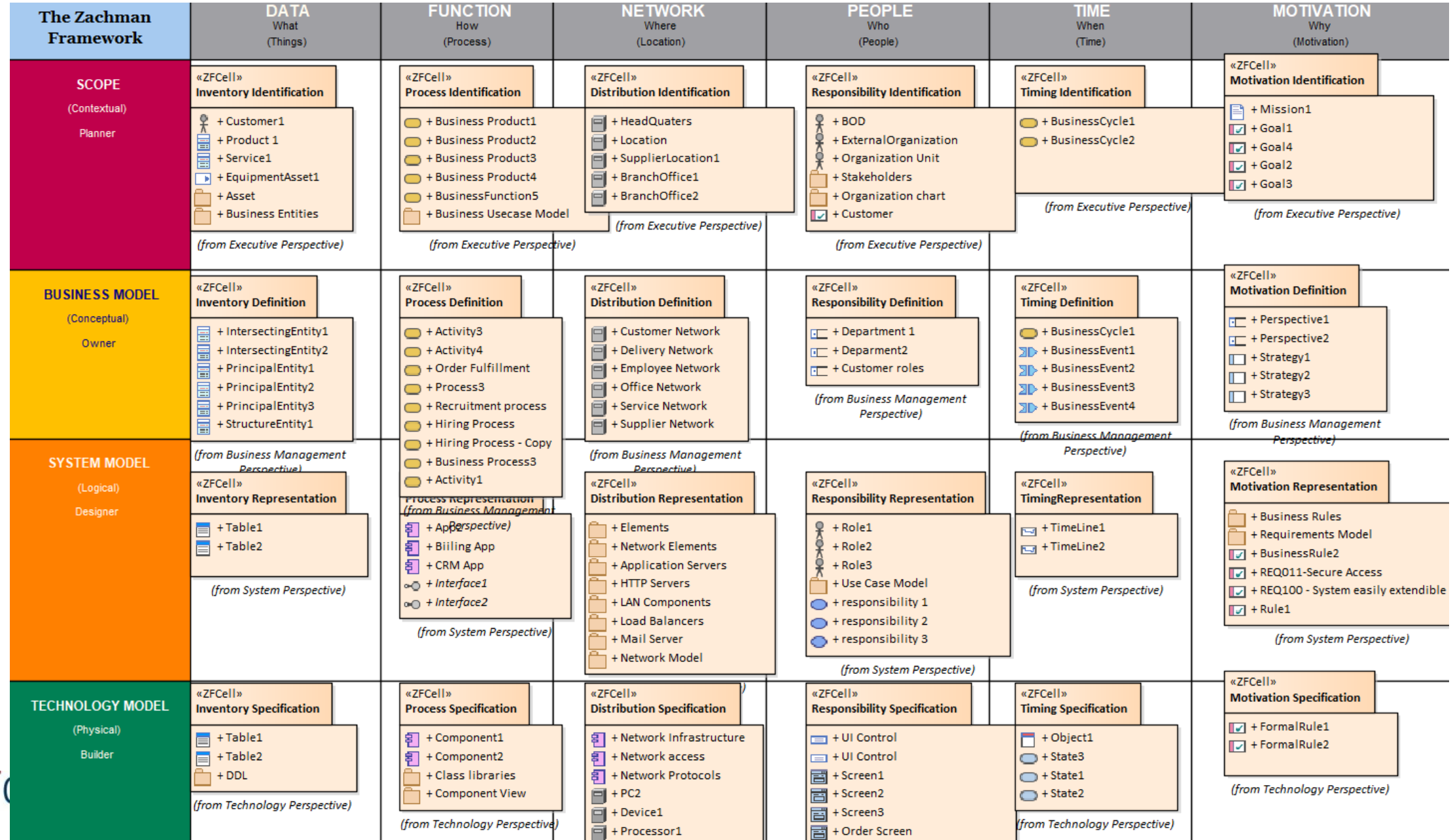
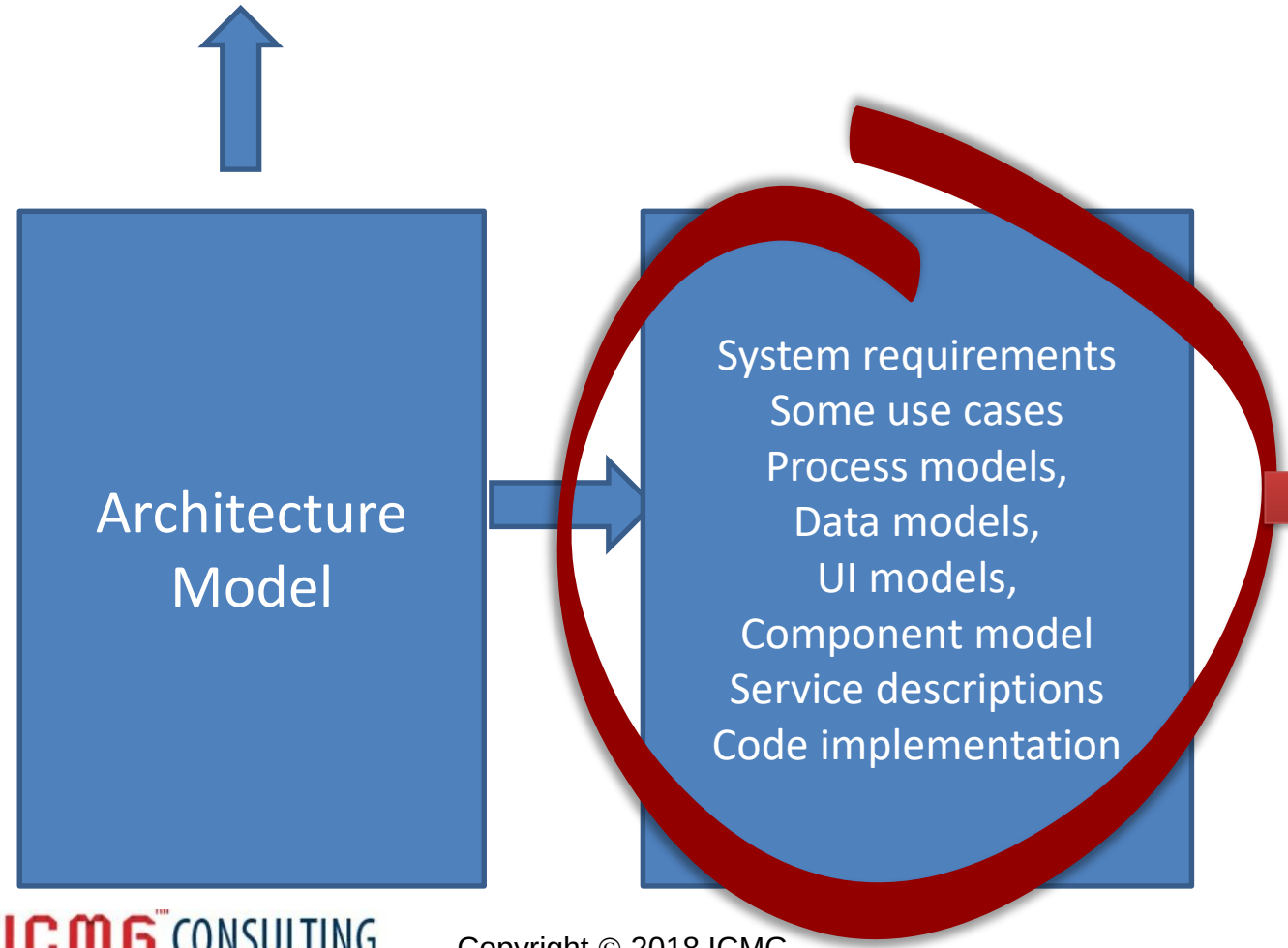
New Architecture Focus
Elements based on variables and perspective



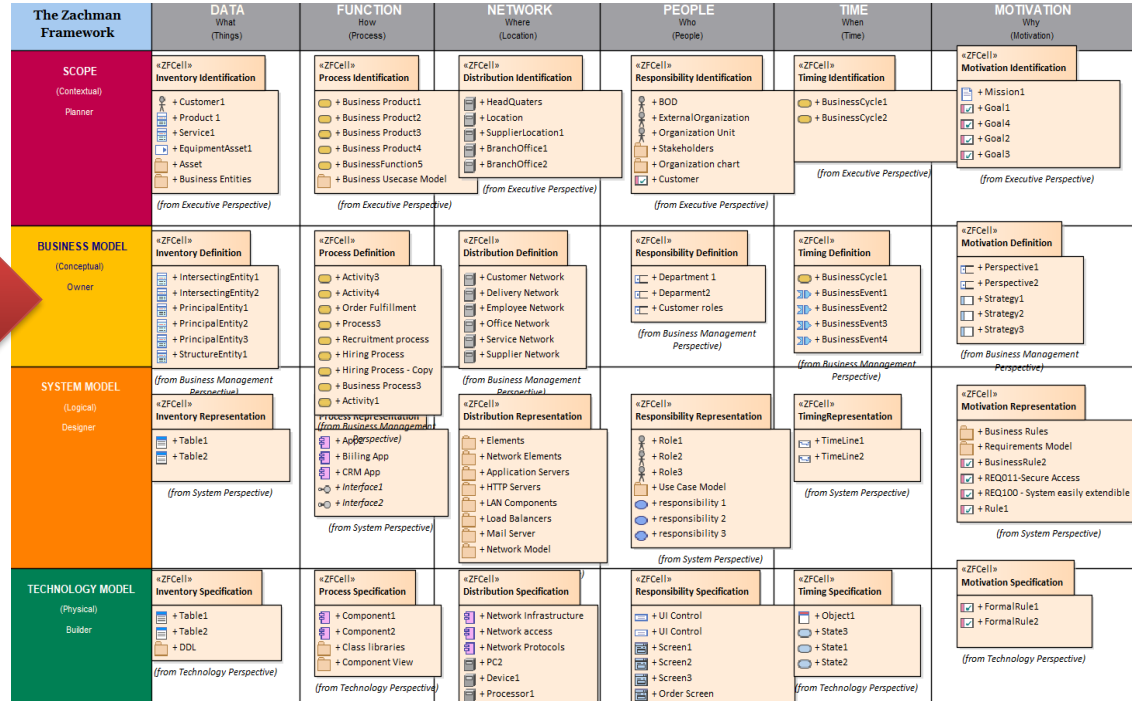
Case I – SOA Implementation : How to migrate and transform?

Current Architecture Focus

: SOA Implementation



New Architecture Focus

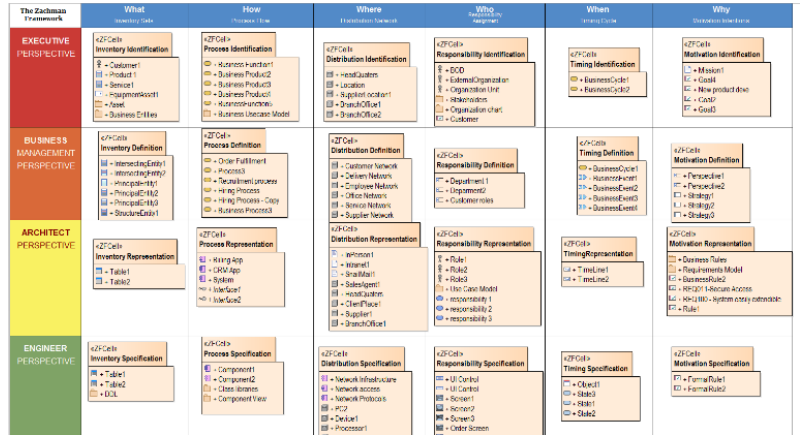


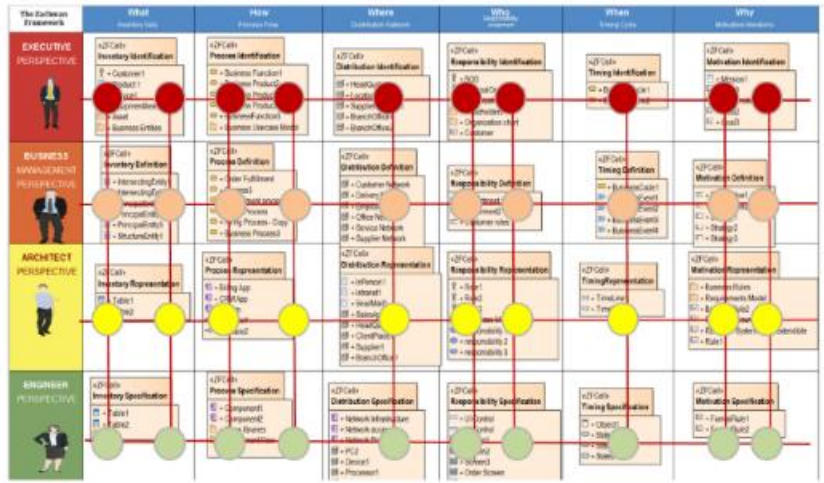
We apply anatomy driven methodology to create elements and composites

Current Architecture Models

System requirement
Some use cases
Process models,
Data models,
UI models,
Component model
Service descriptions
Code implementation

New Architecture Models



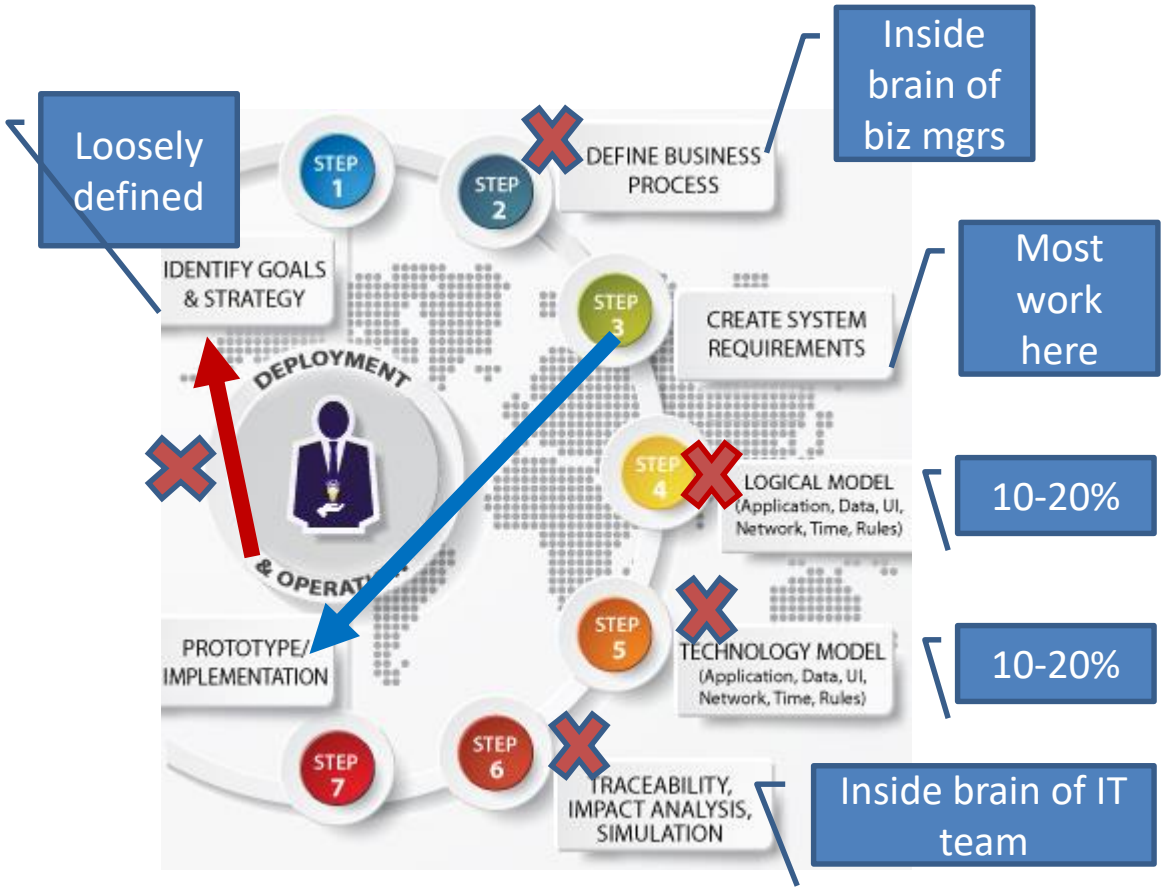


We have created methodologies to change and transform this easily

Architecture Driven Solution

ICMG IT Architecture Methodology

Market reality



ICMG IT Architecture Methodology

In 2017, after evaluating around 300 IT Projects around ICMG IT Architecture Methodology, it's interesting to know that <10% of projects had business process models, System requirements completeness is 40-50%, Logical models (Functional, Data, UI, Network,, Time, Rules) is 10-20% coverage, same is true for Technical (Specification) Models (Functional, Data, UI, Network, Time, Rules), Traceability, impact analysis, simulations are seen as luxuries. Most of the cases, development teams are using new buzzwords that promises results by ignoring step1, step2, step4, step5, step6.

The customer's customers are not happy with first release…(that is huge gap between what is intended and what is delivered..)..they are not happy with 2nd release either…after few iterations and some more releases …the newly created systems are ready for the tag "legacy"..Are new systems becoming legacy faster

Inventory Sets – Information, Flow and Management

Executive Perspective
(Business Context Planners)

Business Mgmt Perspective
(Business Concept Owners)

Architect Perspective
(Business Logic Designers)

Engineer Perspective
(Business Physics Builders)

Technician Perspective
(Business Component Implementers)

Enterprise Perspective
(Users)
The Enterprise

Inventory (Data)

Inventory Identification
List: Inventory Types

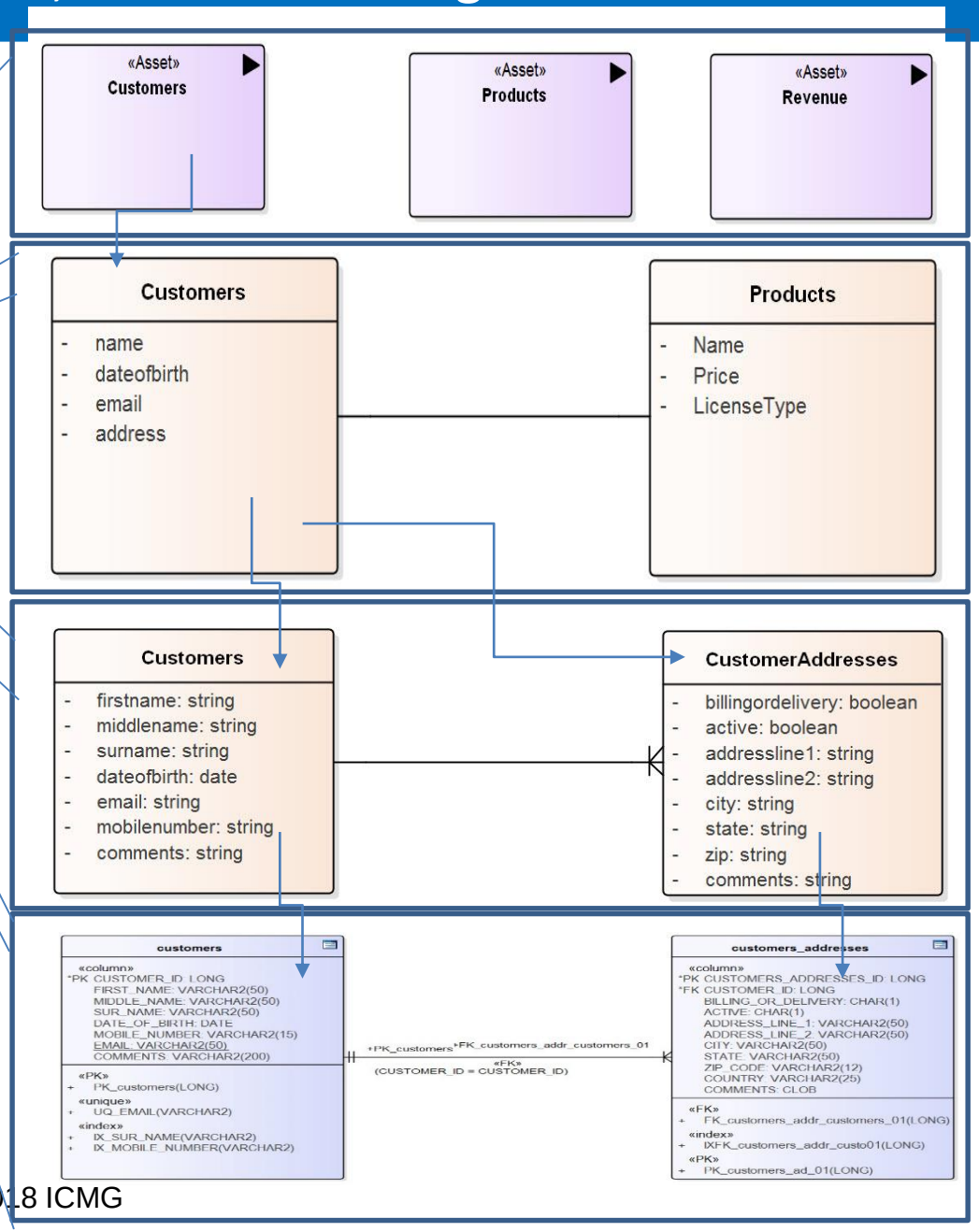
Inventory Definition
Business Entity
Business Relationship

Inventory Representation
System Entity
System Relationship

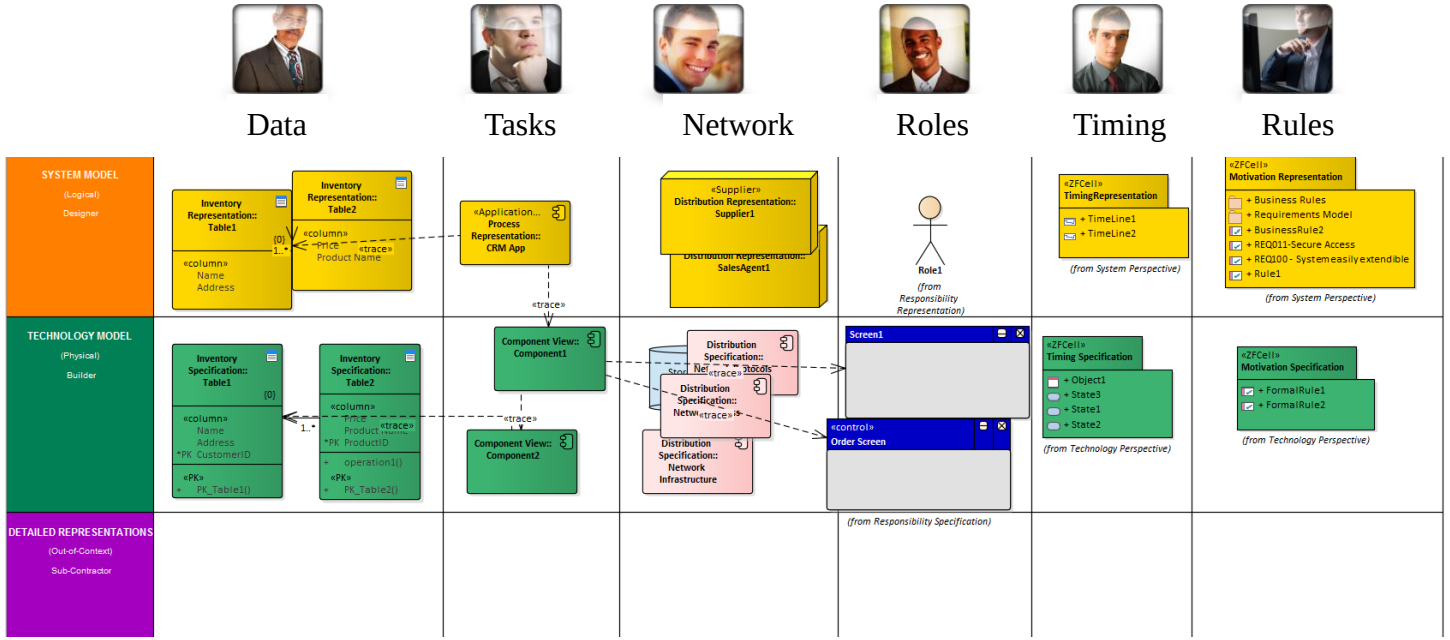
Inventory Specification
Technology Entity
Technology Relationship

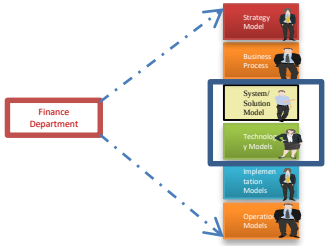
Inventory Configuration
Tool Entity
Tool Relationship

Inventory Instantiations
Operations Entities
Operations Relationships



IT Architecture Models – set 1





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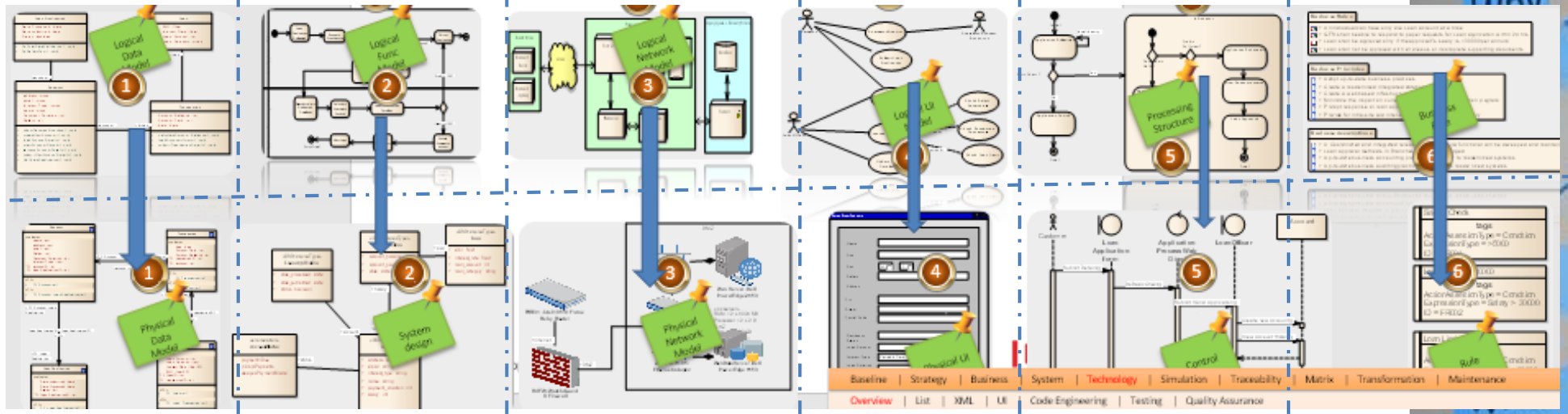
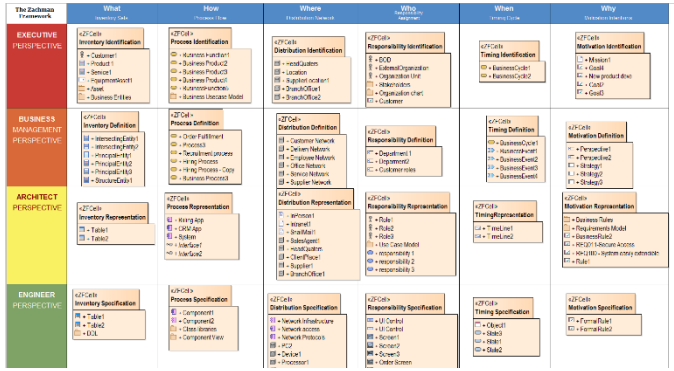
Logical Models & Technical Models



IT Architecture Models – set 3



Executive Composites

Business Composites

System Composites

Tech Composites

you can address multiple opportunities

Create New Solutions

Step 1 - We apply anatomy driven methodology to create elements and composites

Current Architecture Models

System requirement
Some use cases
Process models,
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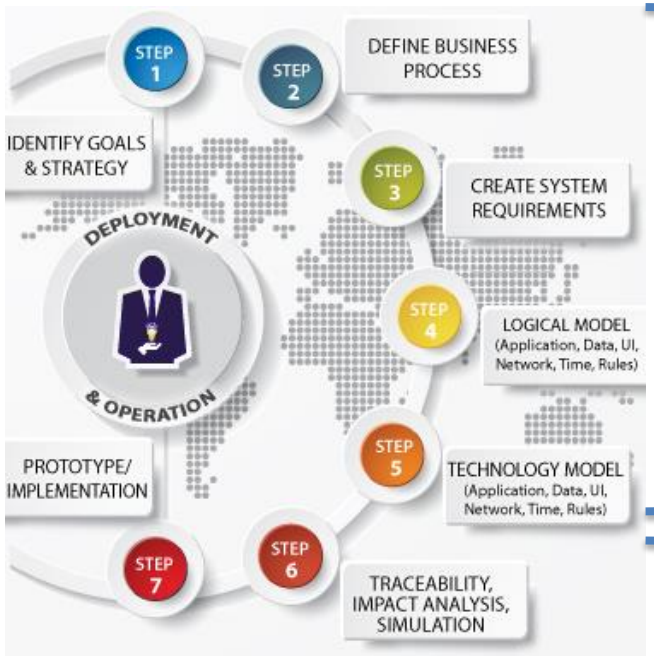
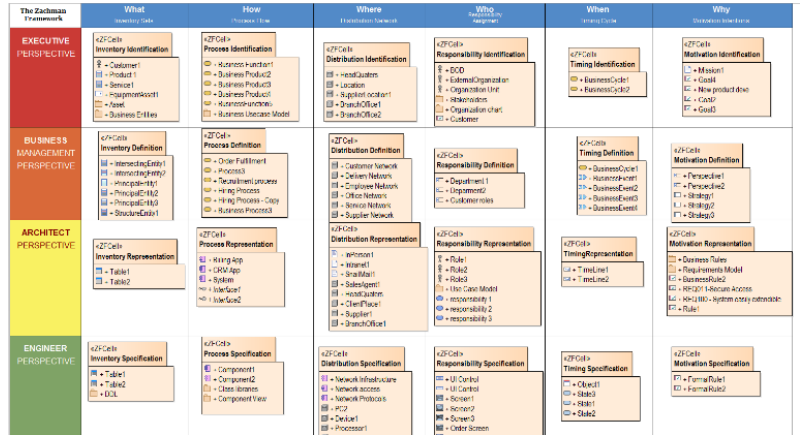
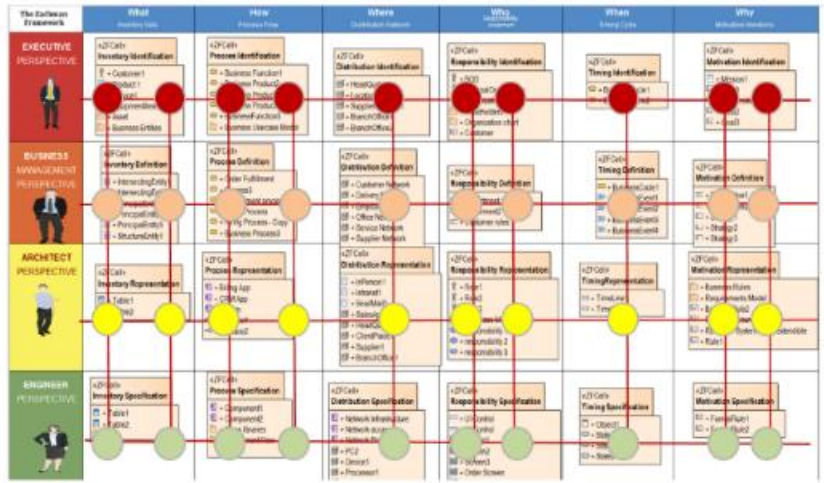
Code implementation



New Architecture Models





Step 2 – Reorganize existing artifacts for the next solution

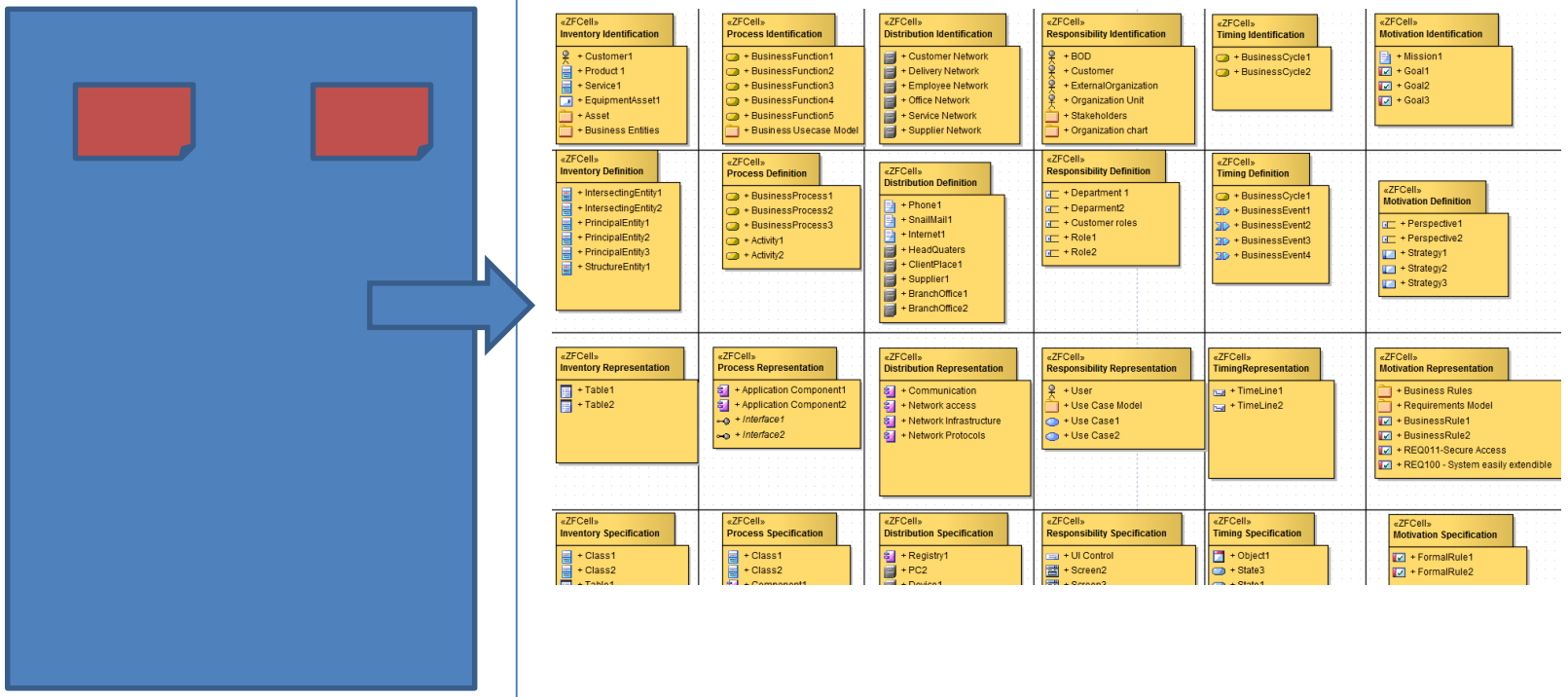
: SOA Implementation

Project 1

: SOA Implementation

Project 2

Cloud, SaaS solution



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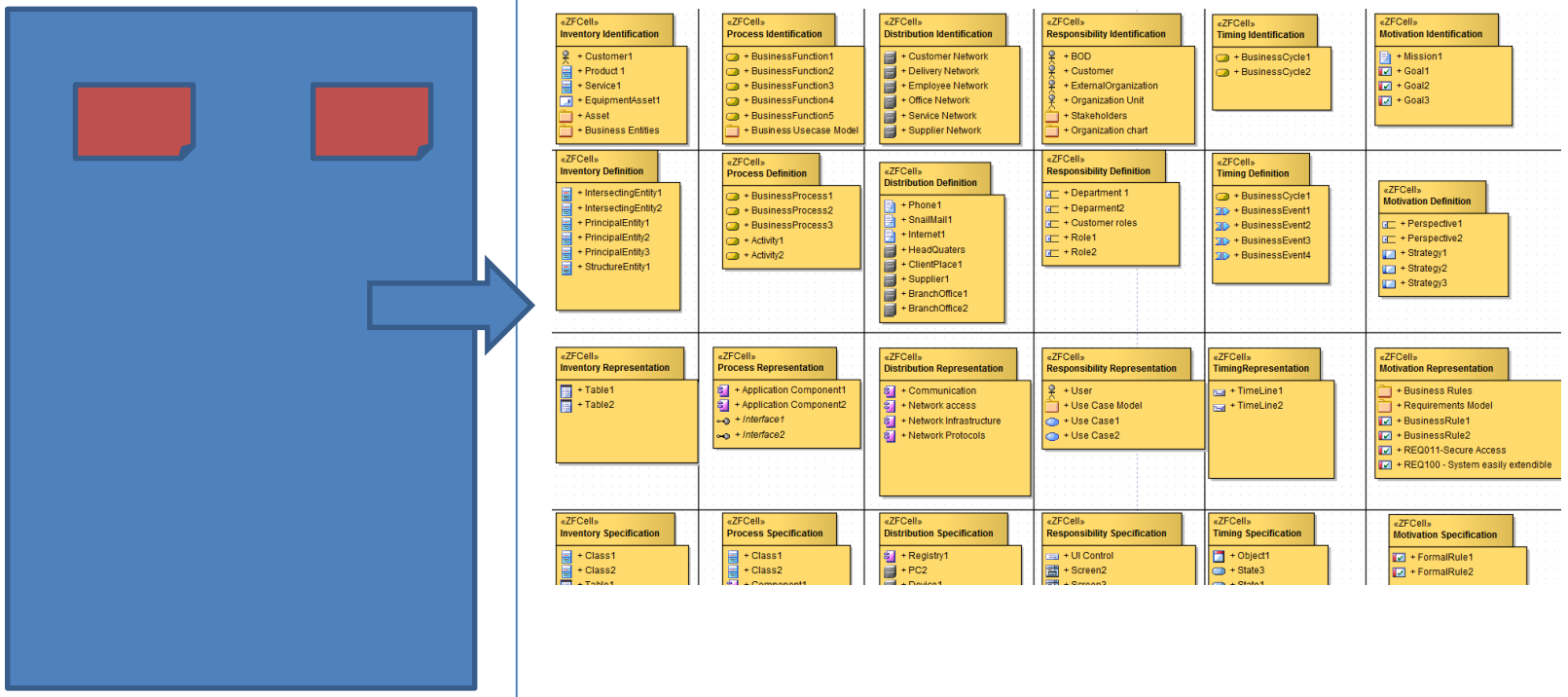
New initiatives– Reorganize existing artifacts along with incremental new elements, we can address new solutions

: SOA Implementation

: SOA Implementation



Project 2

Cloud, SaaS solution

Project 3

Mobile App

Project 4

IoT enabled ATMs

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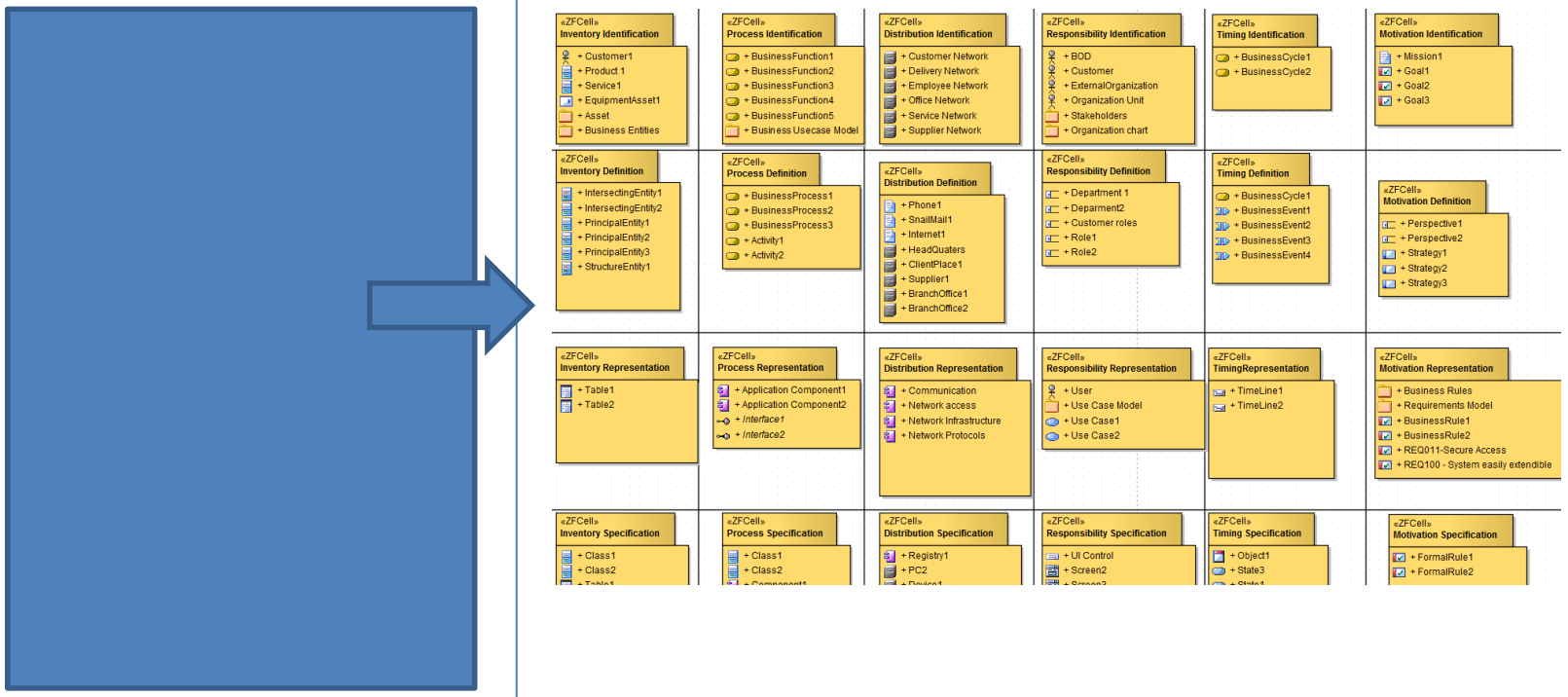
New initiatives– Reorganize existing artifacts along with incremental new elements, we can address new solutions

: SOA Implementation

: SOA Implementation



Project 2

Cloud, SaaS solution

Project 3

Mobile App

Project 4

IoT enabled ATMs

Project 4

CAPS - Collection Activities Processing Sy

Project 5

Digital Interactive Facilities

Project 6

Private Banking (PB) Risk systems

Project 7

Risk Design Authority (Risk DA)'

Project 8

Application Simplification moves from 220 to 60 core systems

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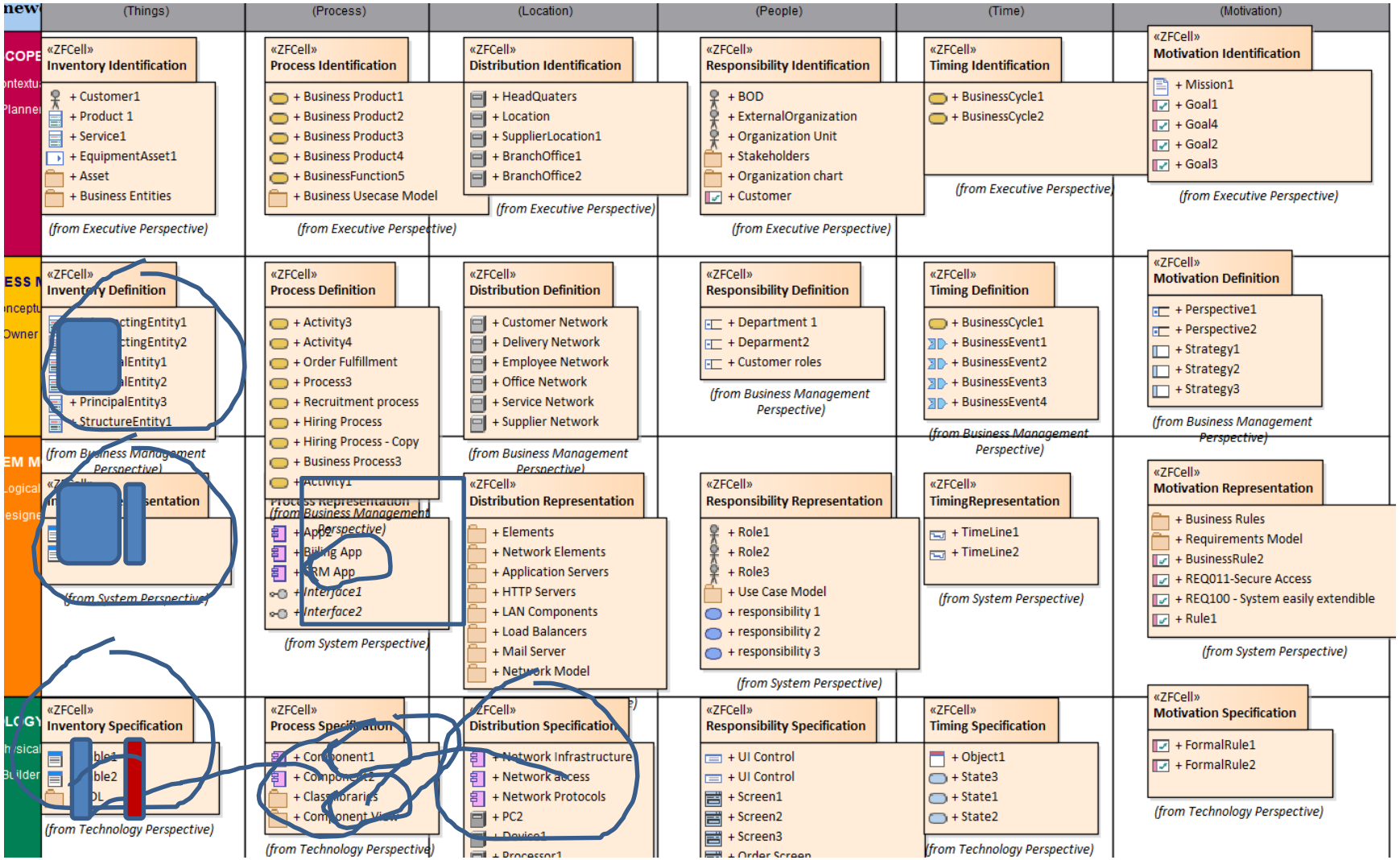
Case study – Supporting multi-channel access

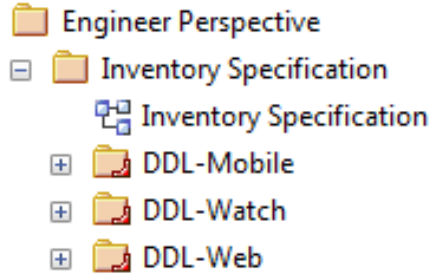
Web, Mobile App, Smart Watch
using the same logical data model

How to use Product Anatomy (IT) for supporting variations, changes and managing complexity



DDL Transformation from Logical Model

- After transformation package depicts in the picture
  - DDL-Mobile
  - DDL-Watch
  - DDL-Web

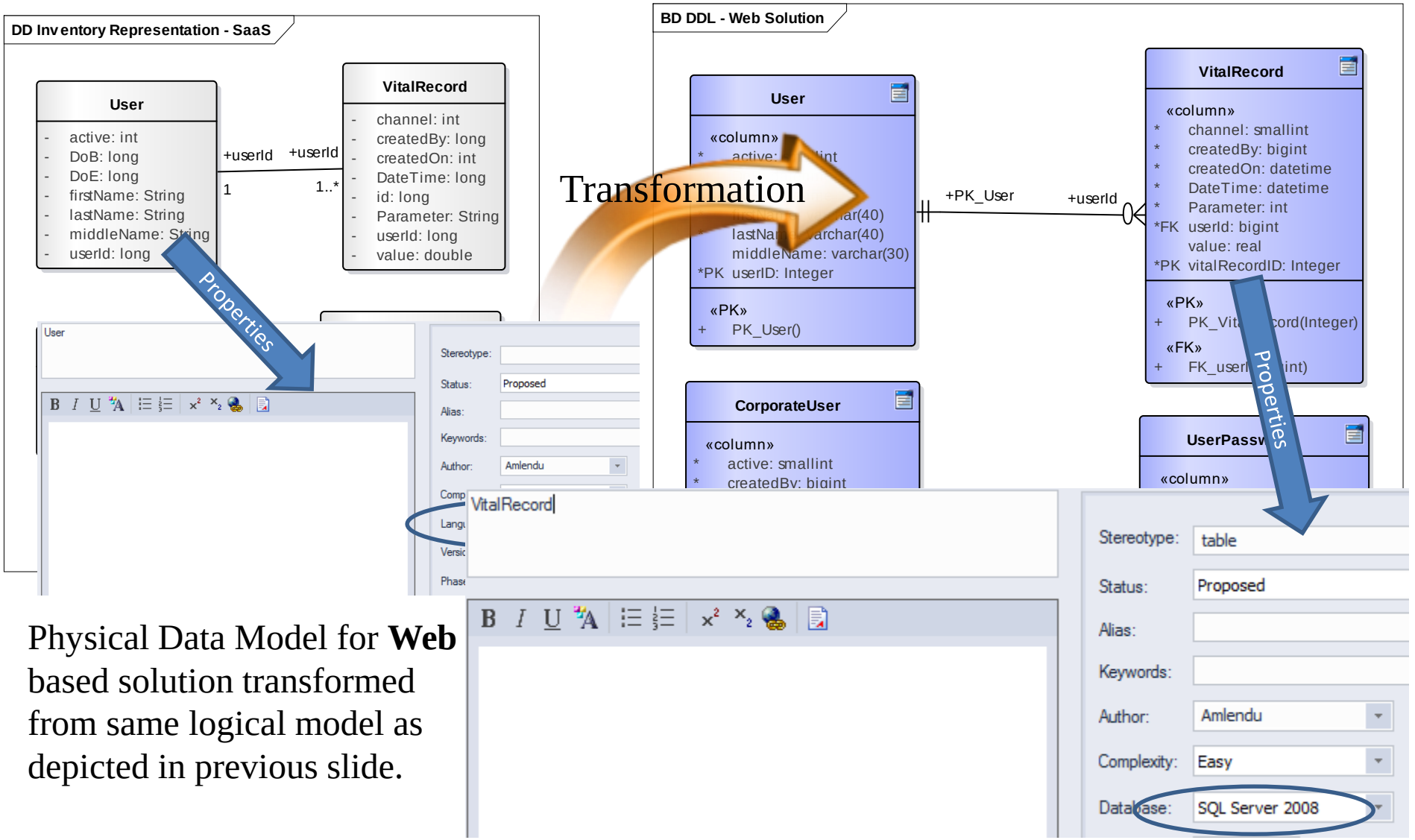


➢ Currently transformation script has following limitation

- Each type of DDL requires separate transformation process
- DDL generates for default Database and that is not mentioned in properties , require manual change
- Attribute types does not replace in physical model and it is remain same as logical model, require manual change

Information Model – Transformation

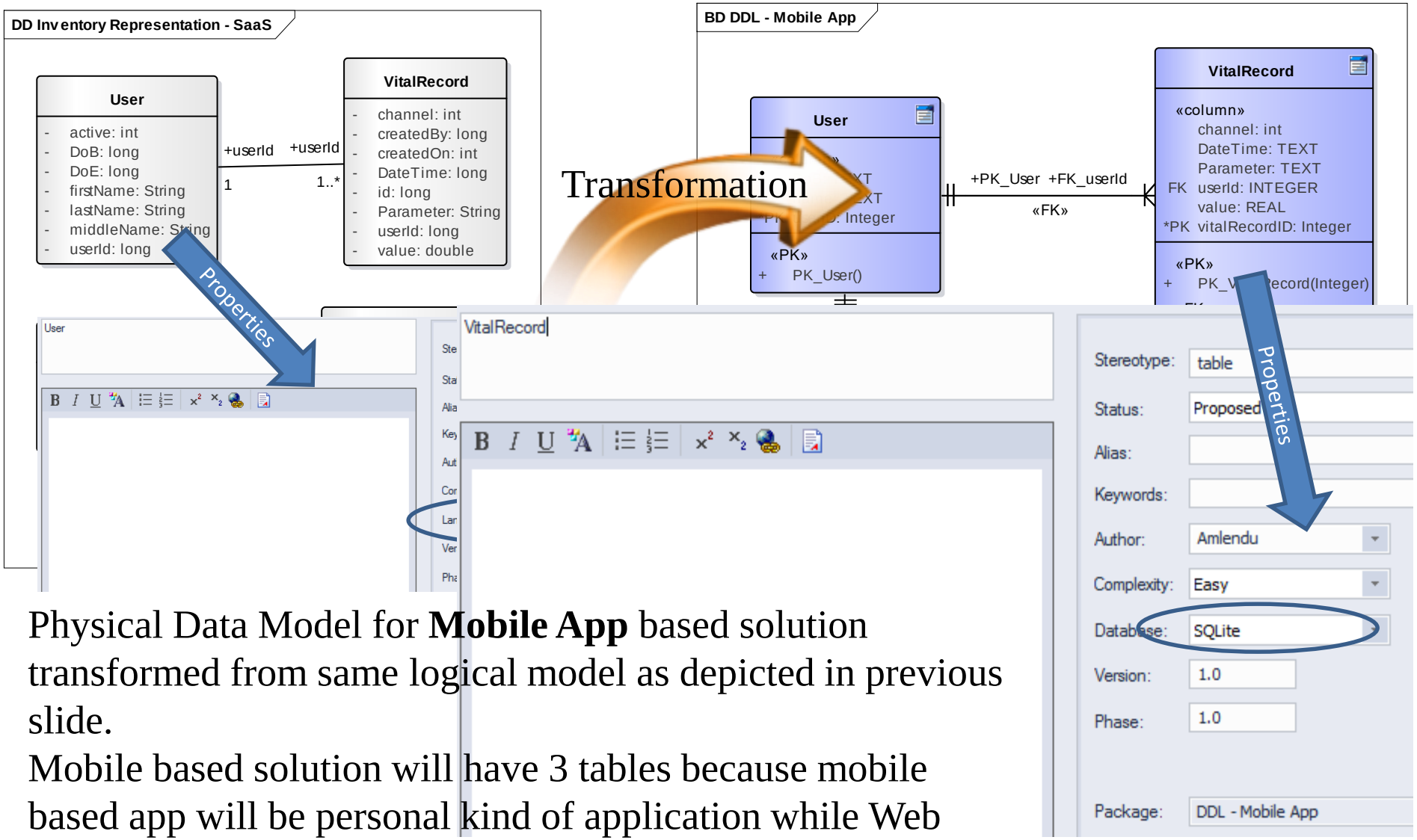
continue….



Physical Data Model for **Web** based solution transformed from same logical model as depicted in previous slide.

Information Model – Transformation

continue….



Physical Data Model for **Mobile App** based solution transformed from same logical model as depicted in previous slide.

Mobile based solution will have 3 tables because mobile based app will be personal kind of application while Web Based solution will be personal as well as corporate.