Content Framework & Repository

Joseph Anthony

@ansolabs | www.ansolabs.net

Module Focus

- Architecture Content Framework
- TOGAF Content Meta-model
- Architecture Repository
- Enterprise Continuum
- Review and Recap

Architecture Content Framework

Architecture Content Framework

Architecture Content Framework is an EA ontology that is designed to be compatible with ADM

It defines artefacts and content one can expect to see when an enterprise architecture capability based on TOGAF operates

TOGAF allows the content framework to be tailored or entirely swapped out with another EA ontology

Three Categories of Content

A Deliverable

An Artefact

A Building Block

Architectural Deliverable

Contractual work product incorporating number of architectural views

This document is reviewed, endorsed and approved by stakeholders

An Artefact

Artefact describes the architecture from a specific viewpoint

Some examples of artefacts are

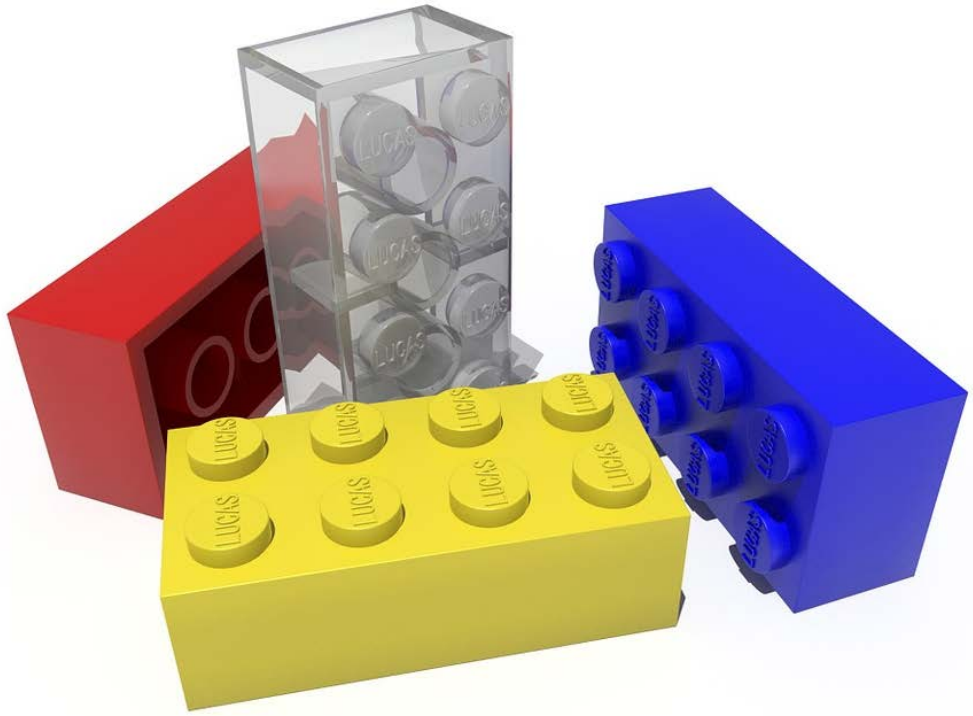
List of requirements

Deployment view of an application

Network diagram

Several artefacts are typically included in an architecture deliverable

A Building Block

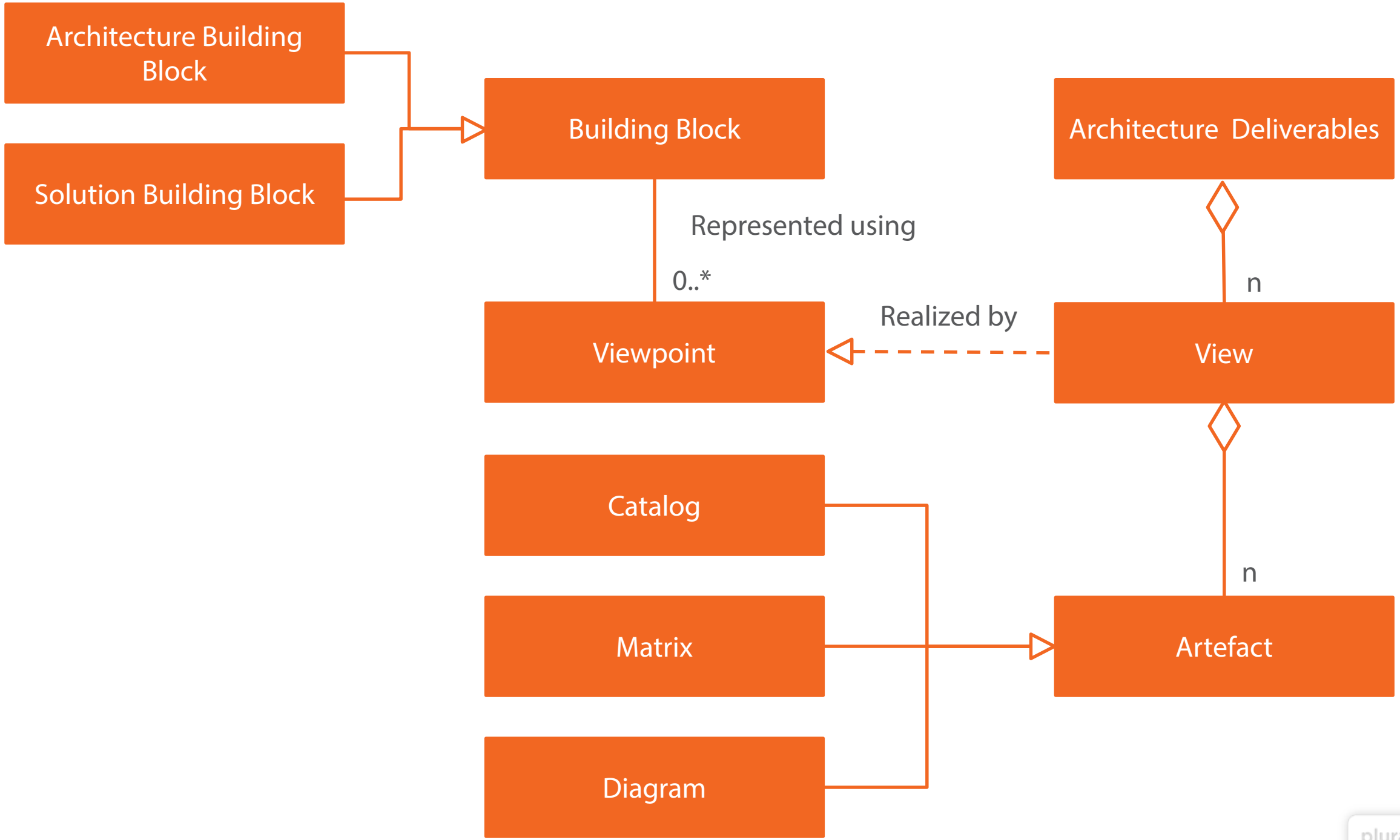


Components of architecture that combine to create architecture representations

Building blocks can be reused across architecture models

Examples: Business Capability, Business Process, Enterprise Perimeter Defence

Building blocks can be Architecture or Solution Building Blocks

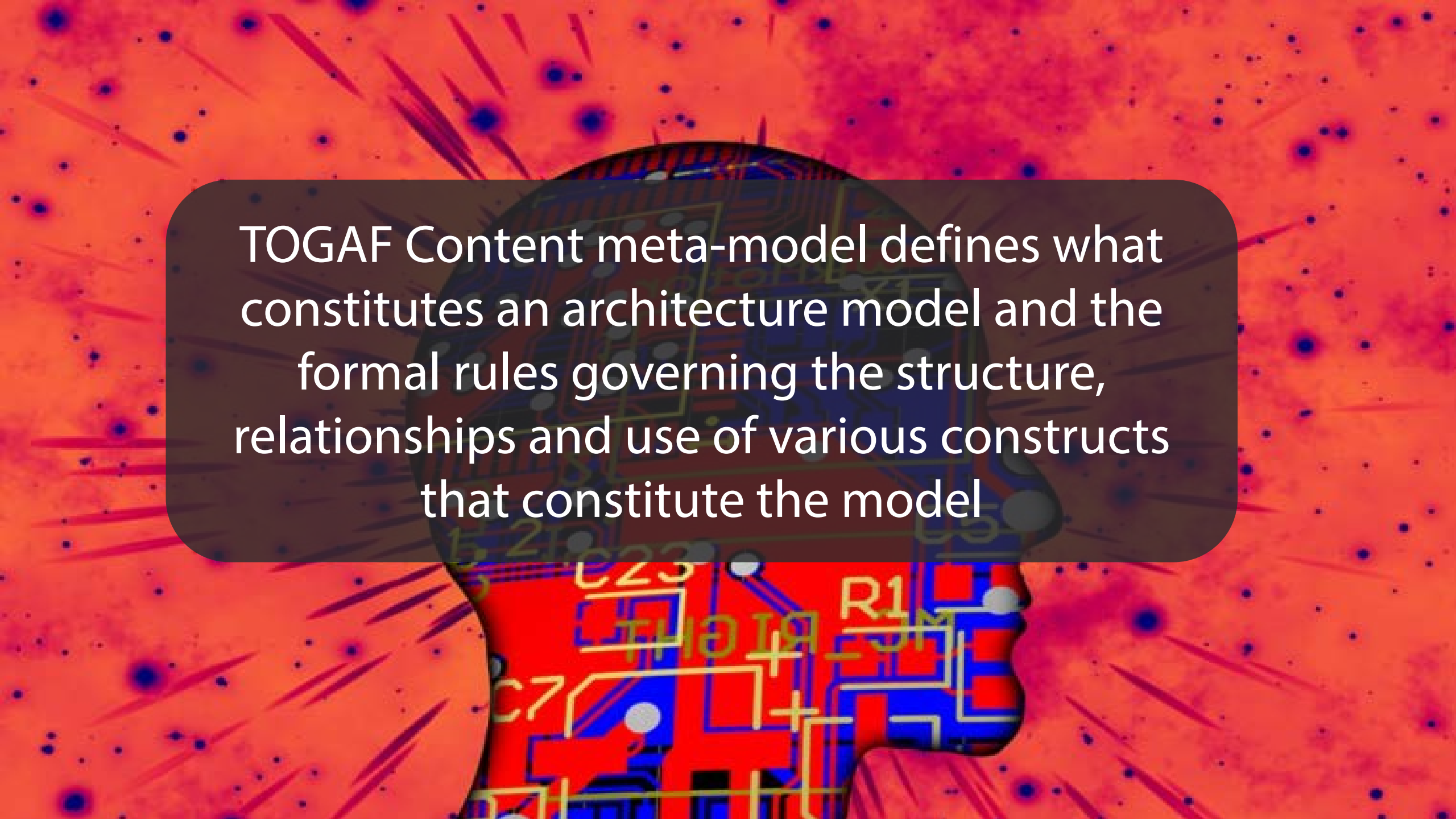

Architecture Building Block
Solution Building Block
Building Block
Represented using
0..*
Viewpoint
Realized by
Architecture Deliverables
n
View
n
Artefact
Catalog
Matrix
Diagram

Content Meta-model

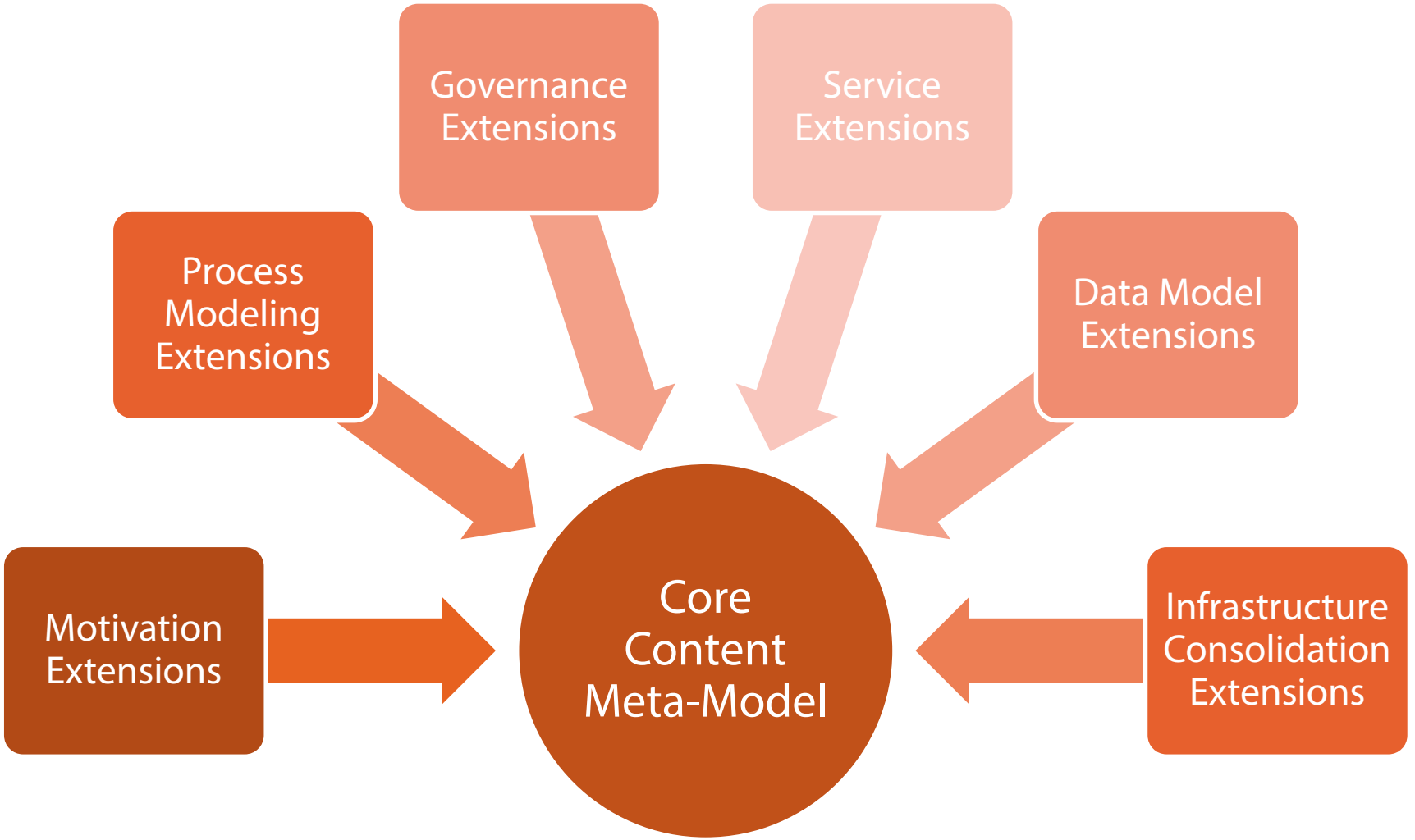
What Is a Meta-model?

Meta-model

A meta-model is a model that describes a model. In other words it defines what can constitute a model and any rules around how a model can be put together


TOGAF Content meta-model defines what constitutes an architecture model and the formal rules governing the structure, relationships and use of various constructs that constitute the model

Core and Extensions



Core Modeling Entities

Actor

Role

Organization

Function

Business Service

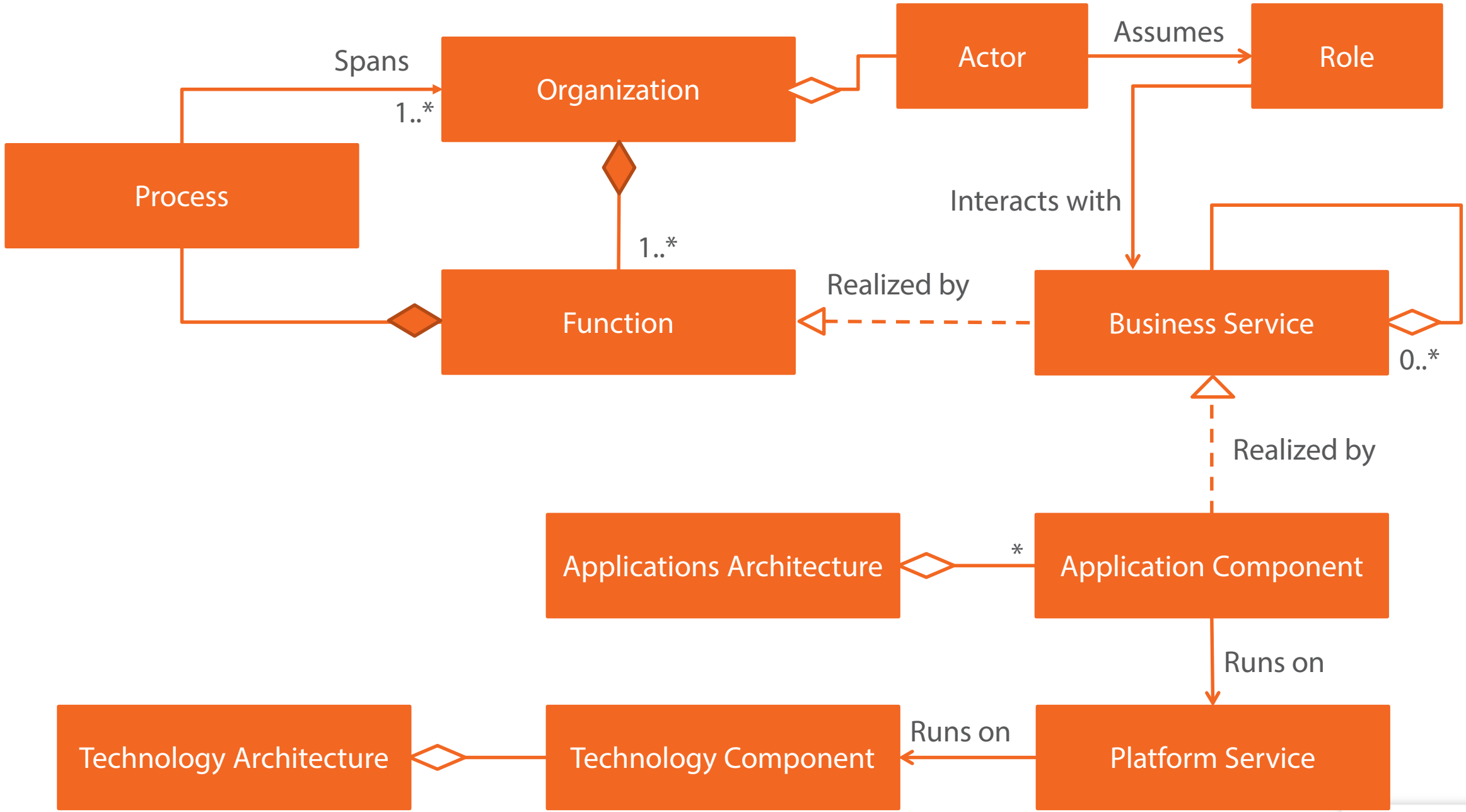
Process

Application Component

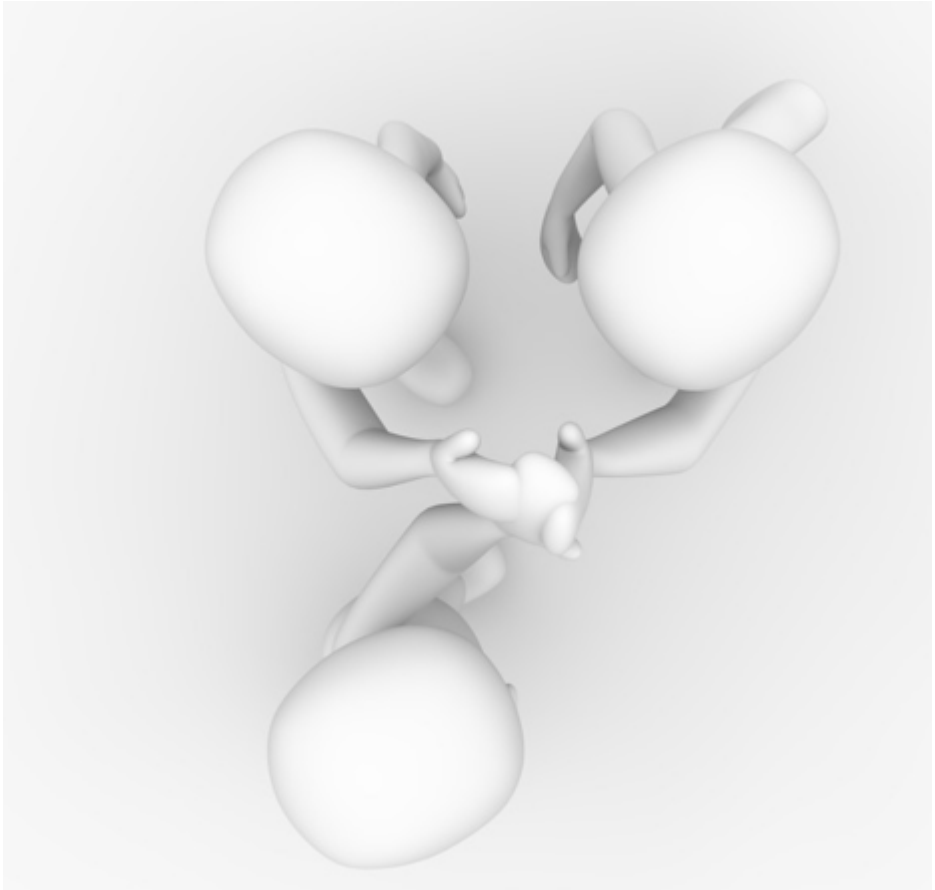
Data Entity

Platform Service

Technology Component


Spans
1..*
Organization
Actor
Assumes
Role
Process
1..*
Interacts with
Realized by
Function
Business Service
0..*
Realized by
Applications Architecture
*
Application Component
Runs on
Technology Architecture
Technology Component
Runs on
Platform Service

Motivation Extensions



Offers more structured modeling of the drivers, goals and objectives

Process Model Extensions

Adds events, products and controls to allow detailed modeling of business processes

Governance Extensions

Adds structured representations for service levels, operational impacts, system and data ownerships, dependencies between systems and business operations

Service Extensions

Enables defining information systems services in addition to business services

Data Model Extensions

Adds the concept of data components, which can enable data to be governed as a collection

Infrastructure Consolidation Extensions

Includes constructs to model infrastructure consolidations

Content Meta-model Objects & Attributes

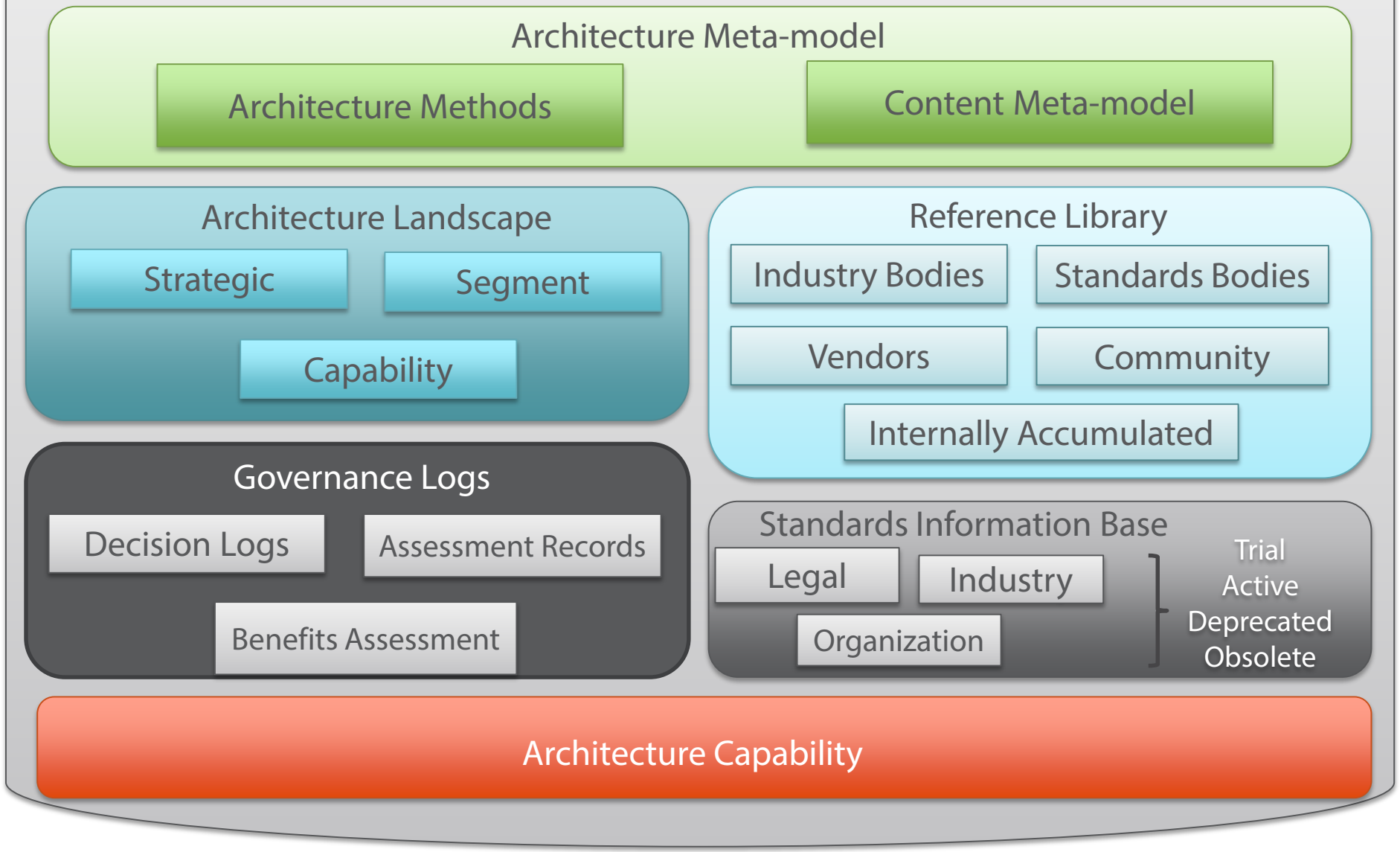
Content model objects and attributes are used as a basis by EA tool vendors to build their modelling tools

Architecture Repository

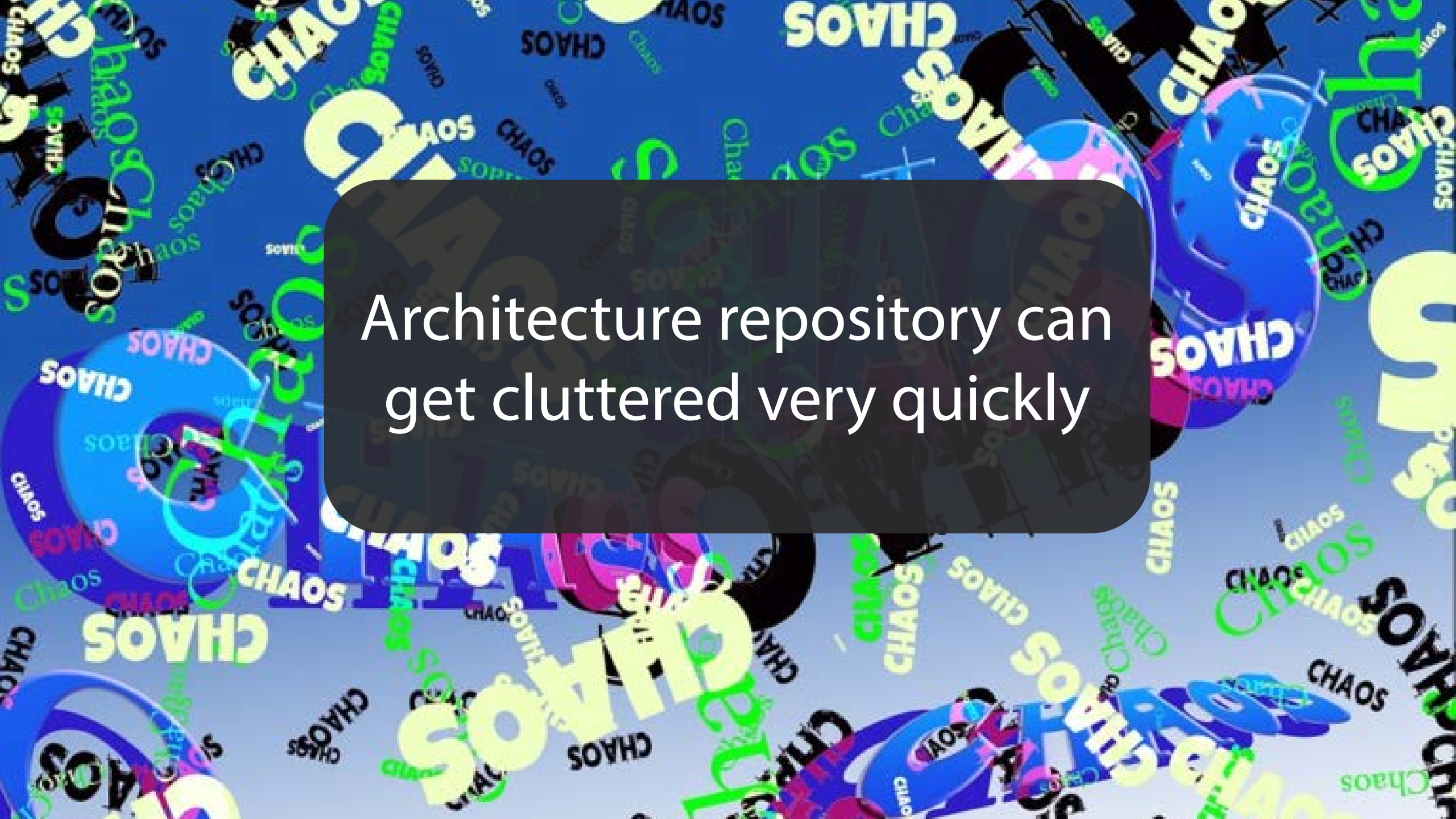
Architecture Repository

Architecture Repository is a structured information store that holds the outputs from architecture development effort

High-level Structure of Architecture Repository

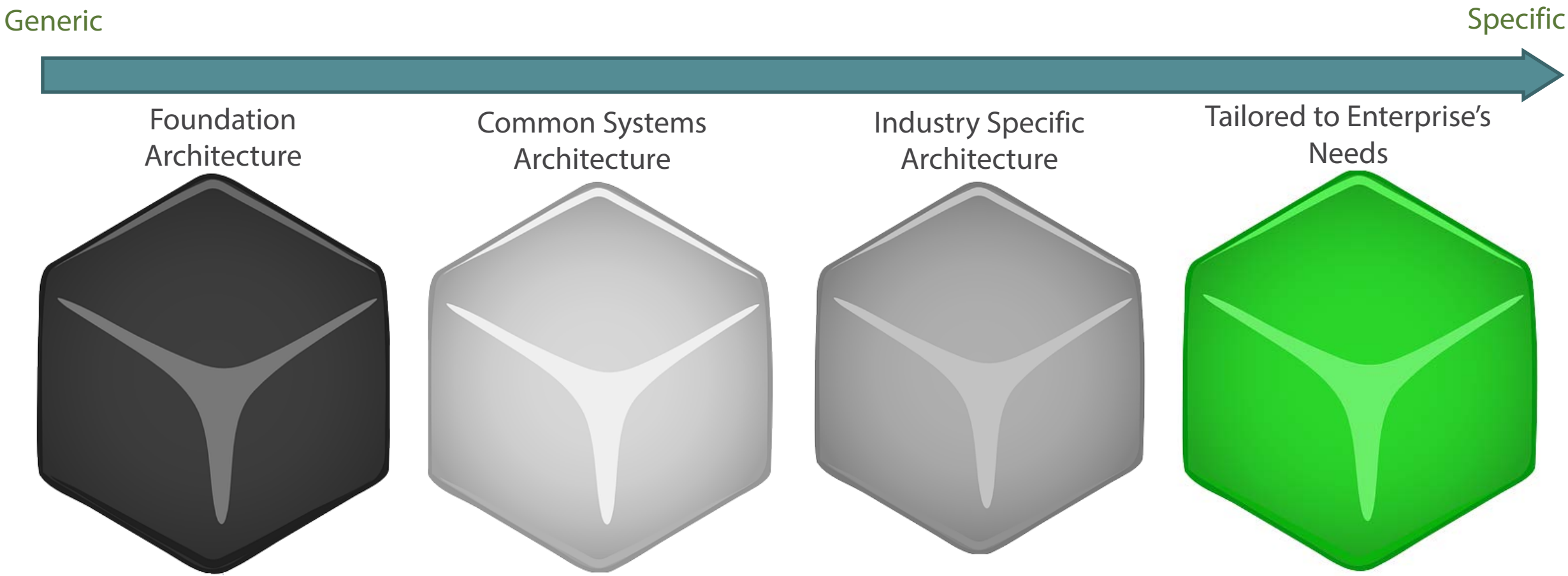


Enterprise Continuum

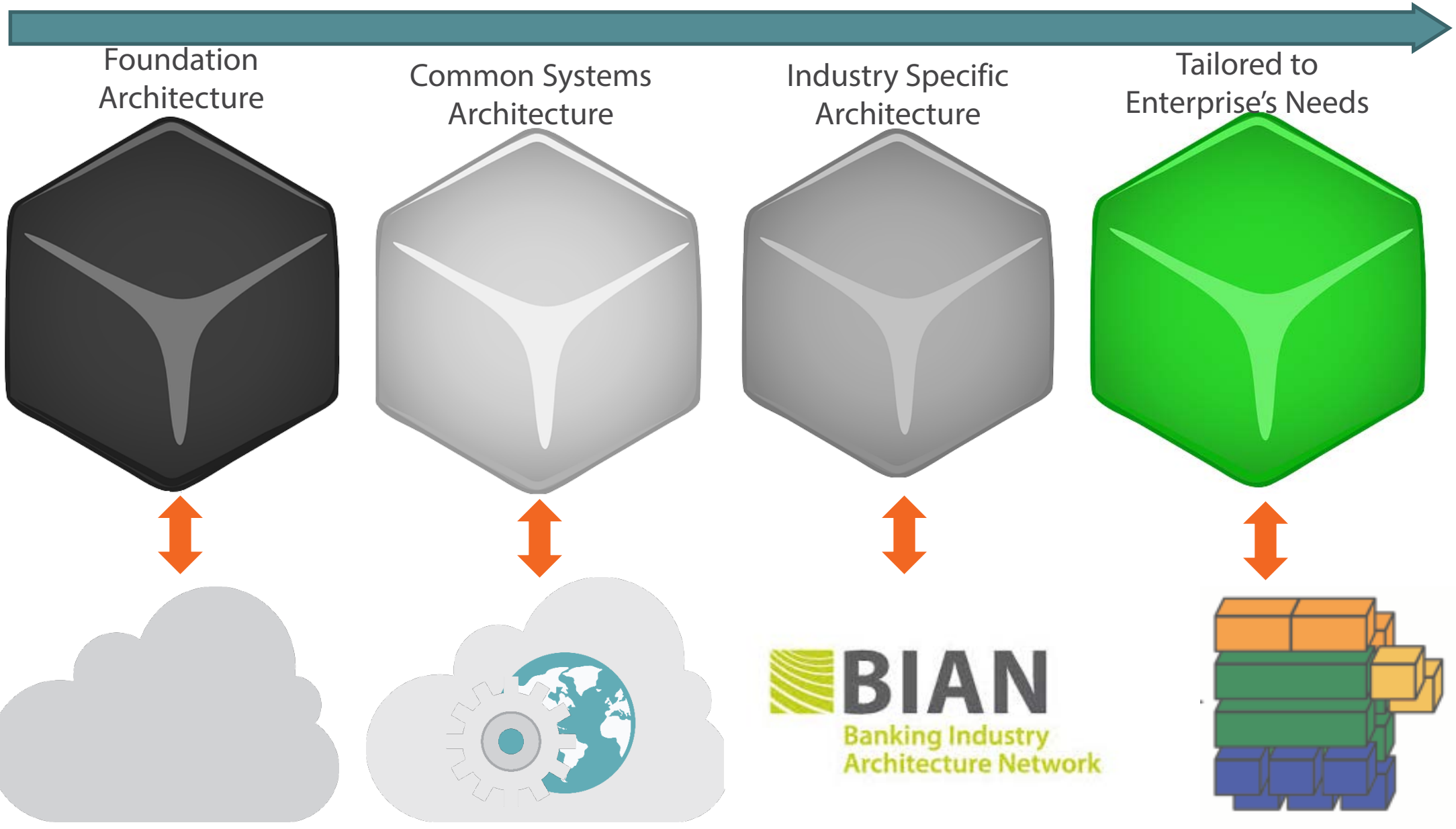

Architecture repository can
get cluttered very quickly

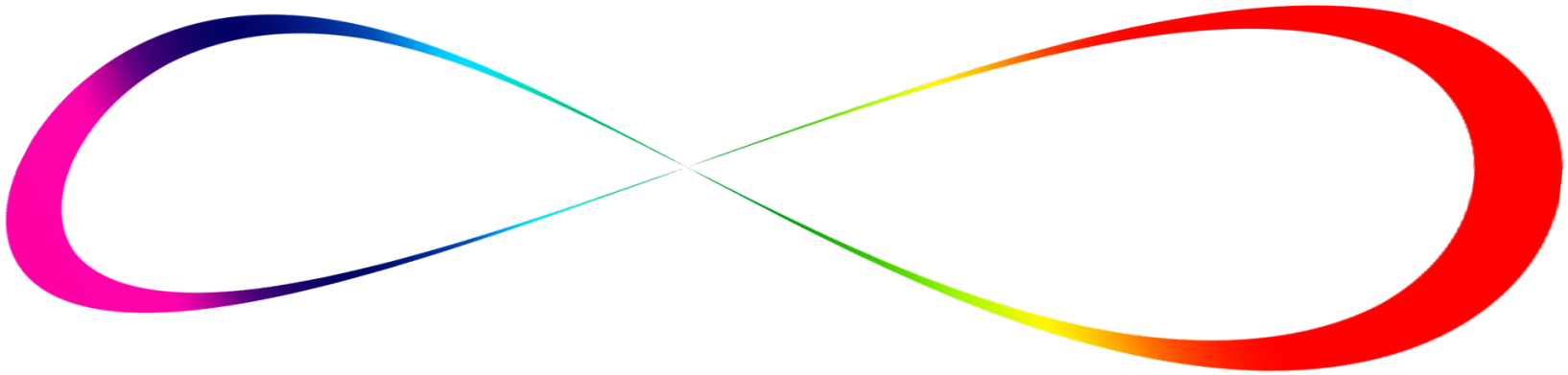

Architecture is highly context sensitive
Over time it often becomes hard to assemble the big-picture view from the architecture repository

Enterprise Continuum

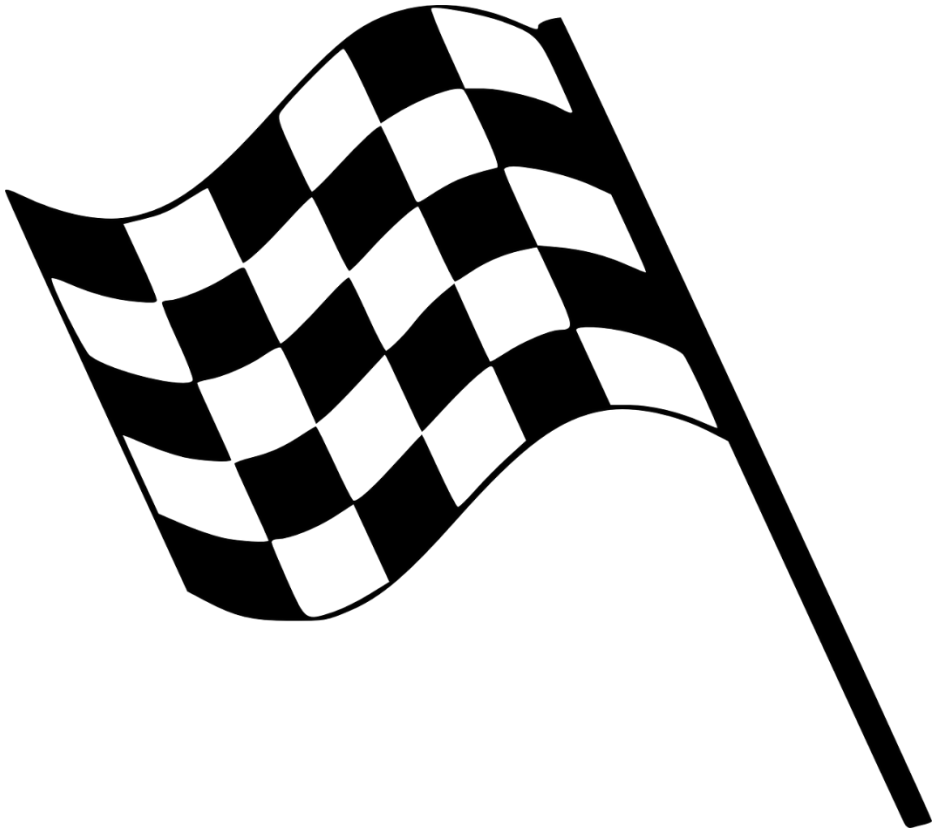


Enterprise Continuum is a view over the repository that enables architecture assets to be viewed from the most generic to the most specific architectures and solutions from left to right


Foundation Architecture
Common Systems Architecture
Industry Specific Architecture
Tailored to Enterprise's Needs
BIAN
Banking Industry Architecture Network
Cloud Ecosystem Reference Model
Cloud Platform Architecture
Banking Industry Specific Framework
Organization Specific Framework

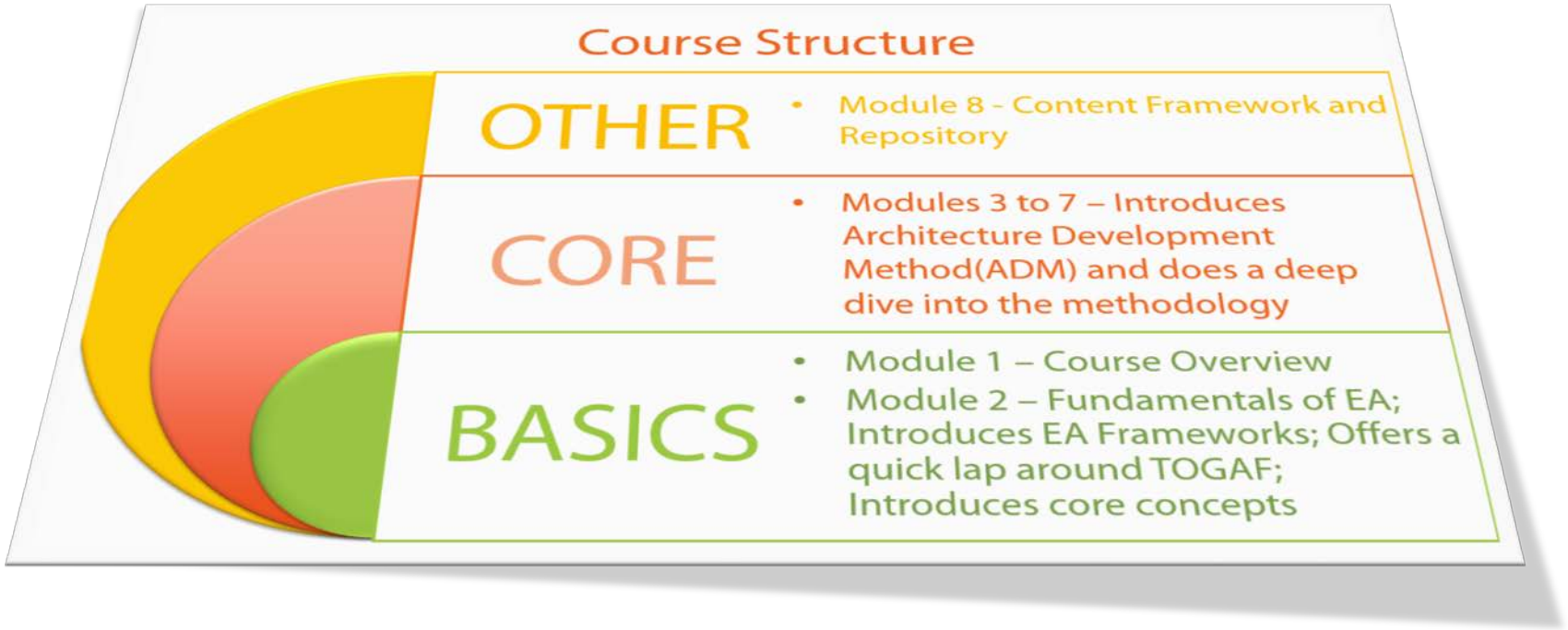


Enterprise Continuum is usually implemented on top of the architecture repository as a virtual repository to help navigate the contents more intuitively

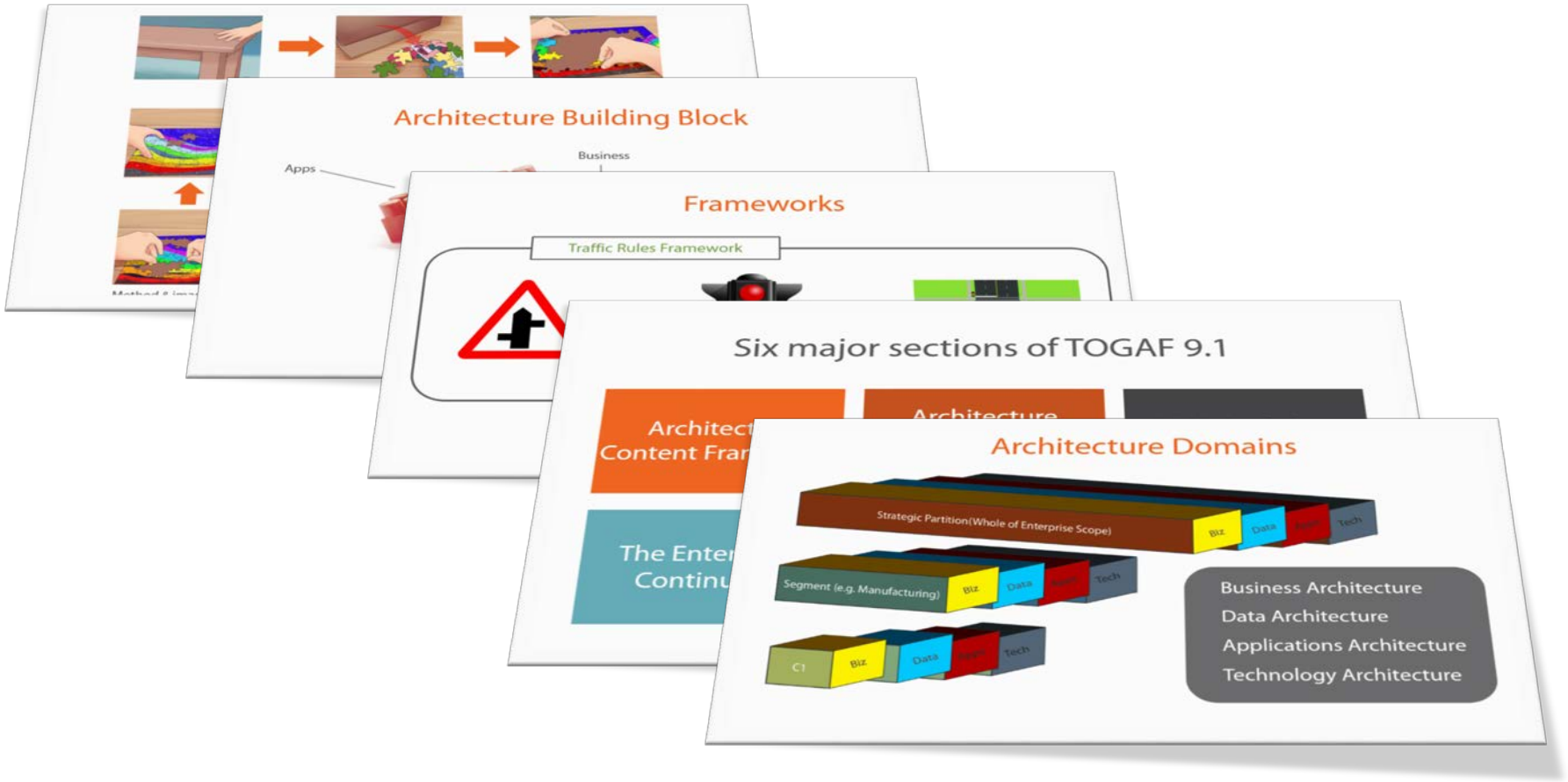


This is the finish line and you have made it!

Module 1

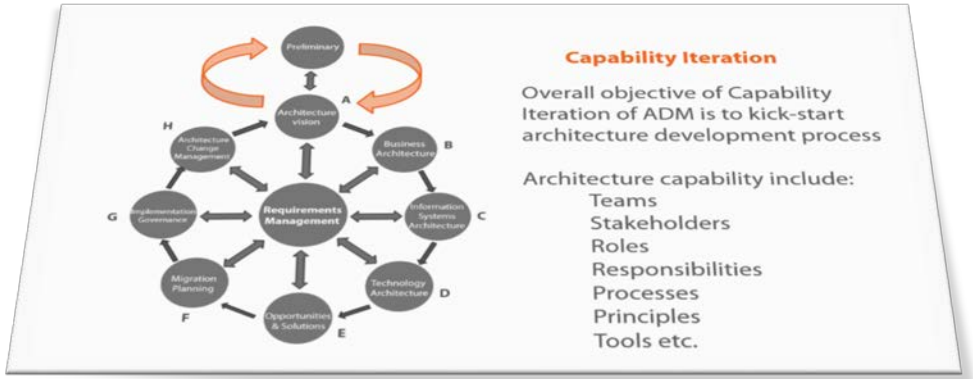


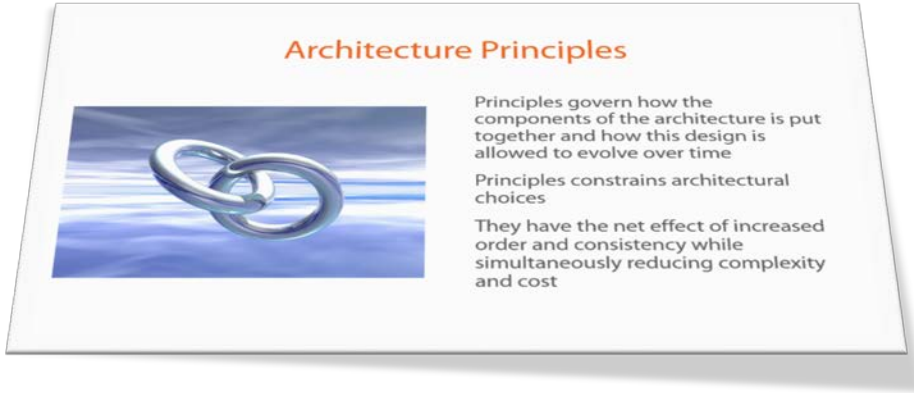
Module 2



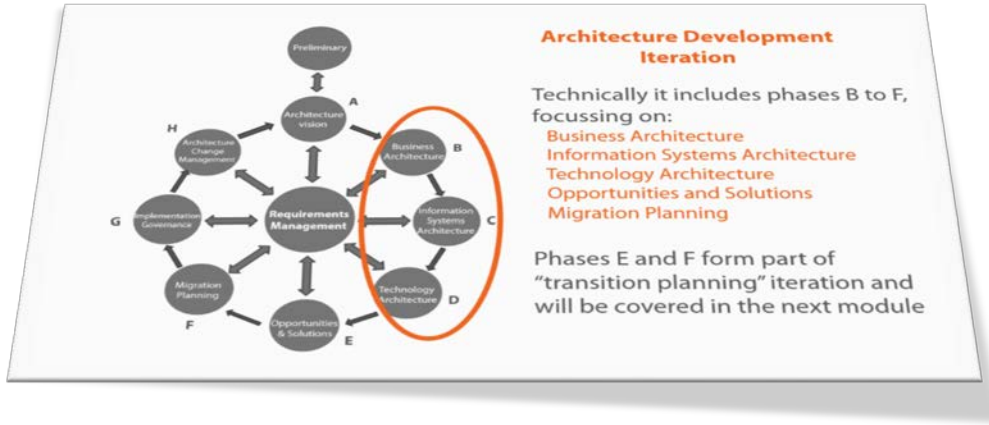
Module 3

Module 4

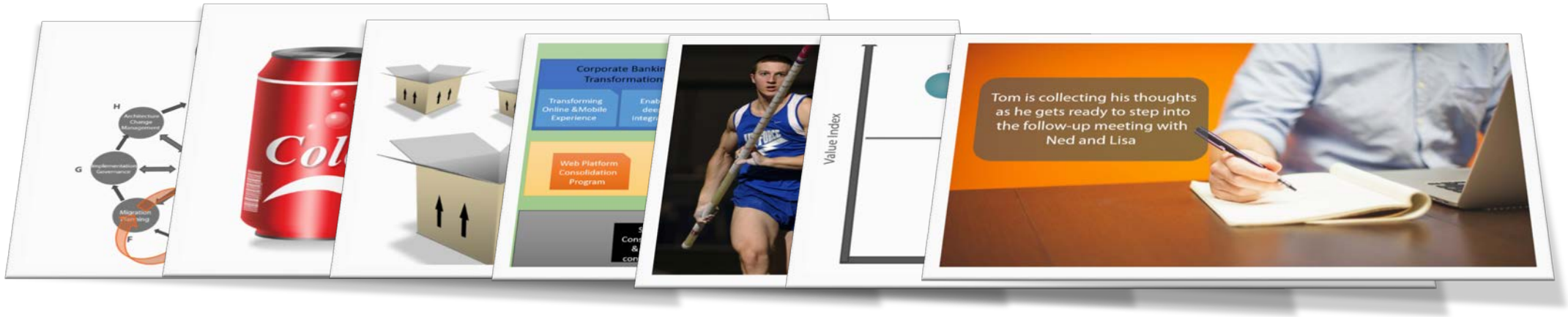




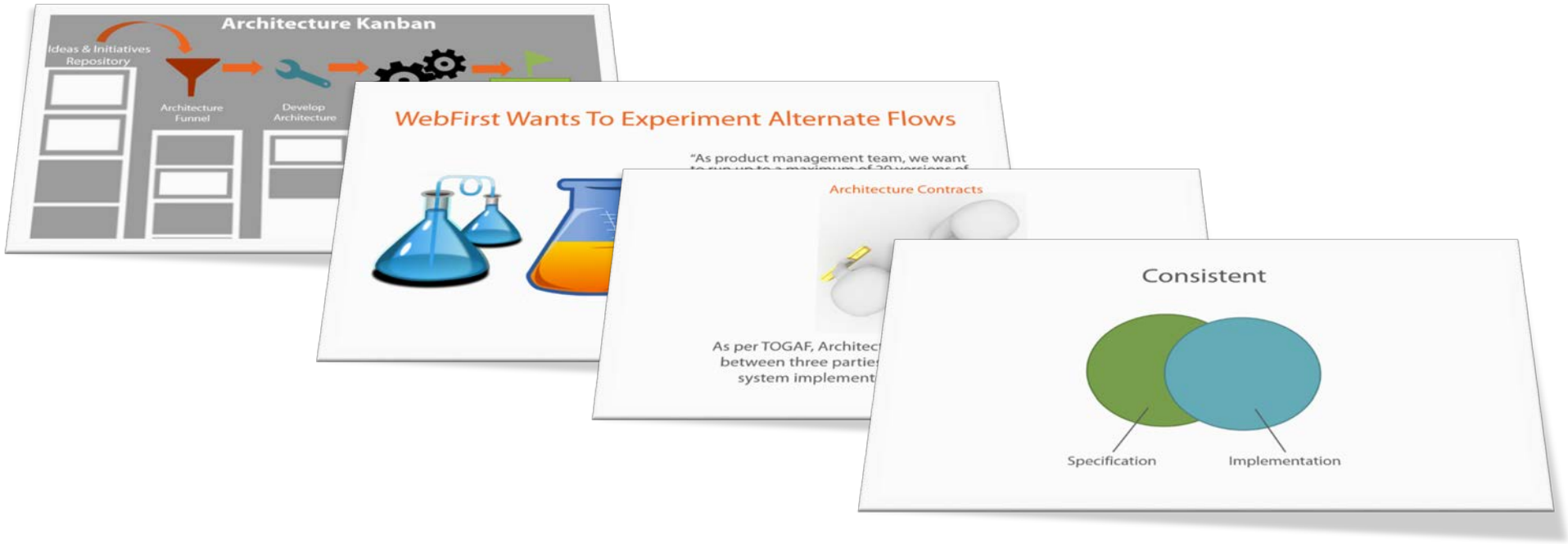
Module 5



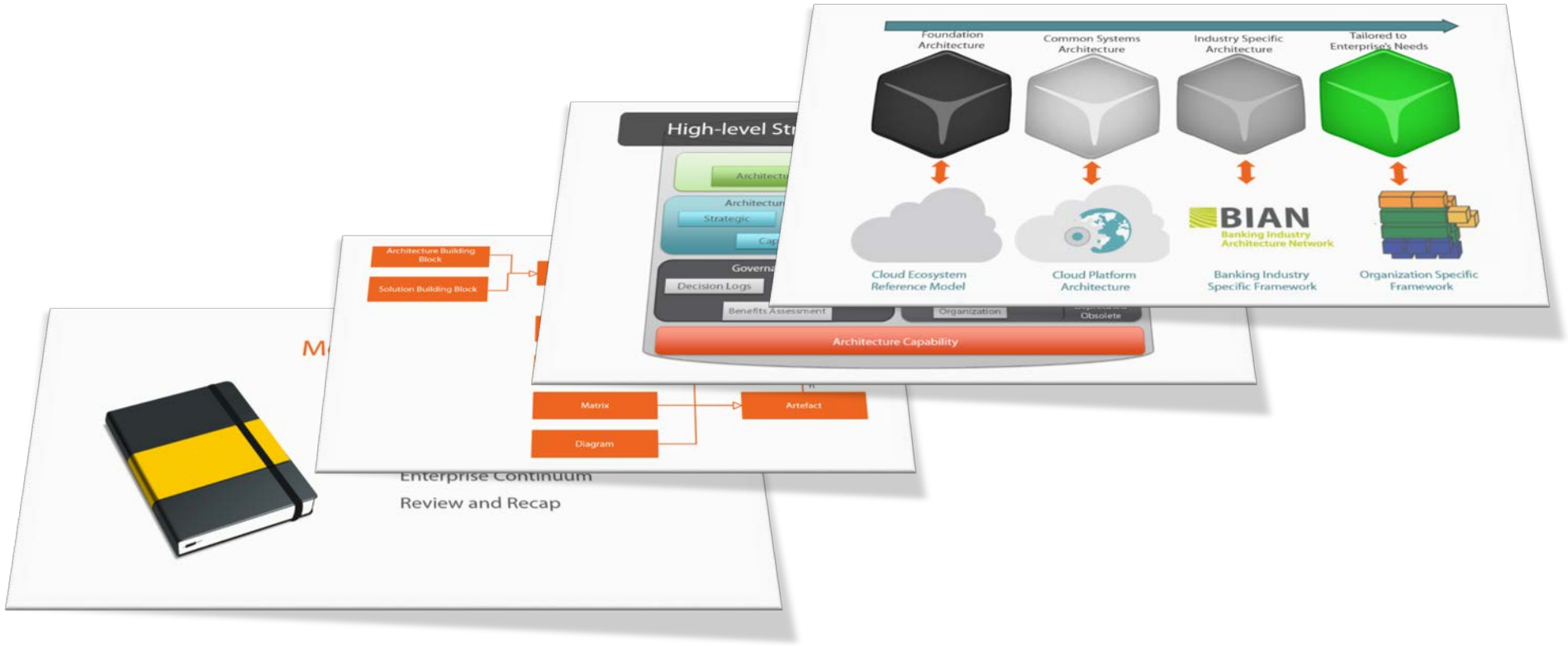
Module 6



Module 7



Module 8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Thank You!