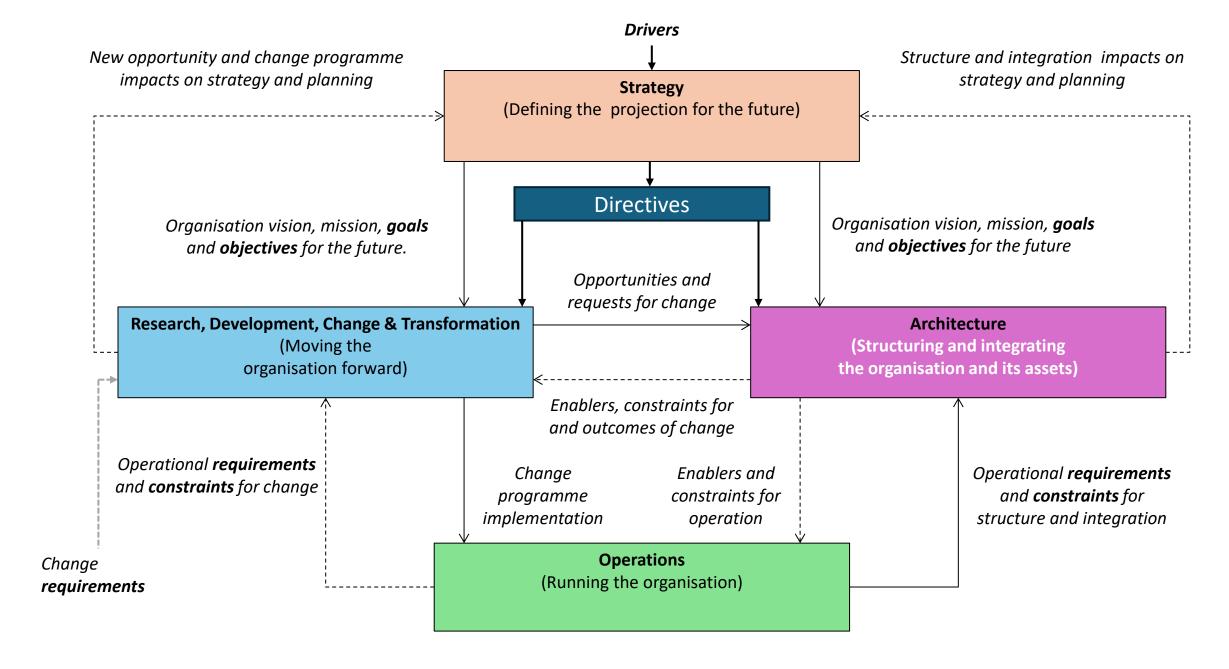
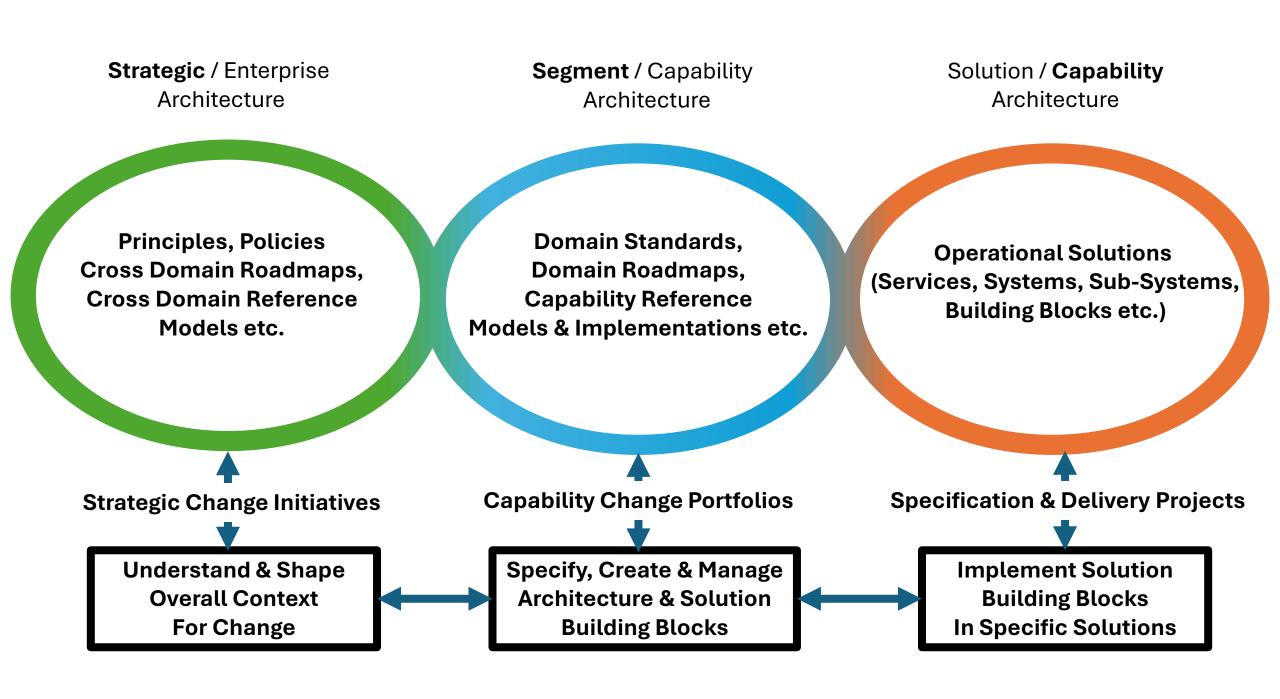
Architecture Within The Enterprise





PLAN

Identify and develop the change vision ADM Phase A

Strategic / Enterprise Architecture

Segment / Capability Architecture Solution / Capability Architecture

The Aspects Of Change

 Create / Reuse The Capability To Address The Desired Change

2. Use The Capability To Execute& Implement The Change

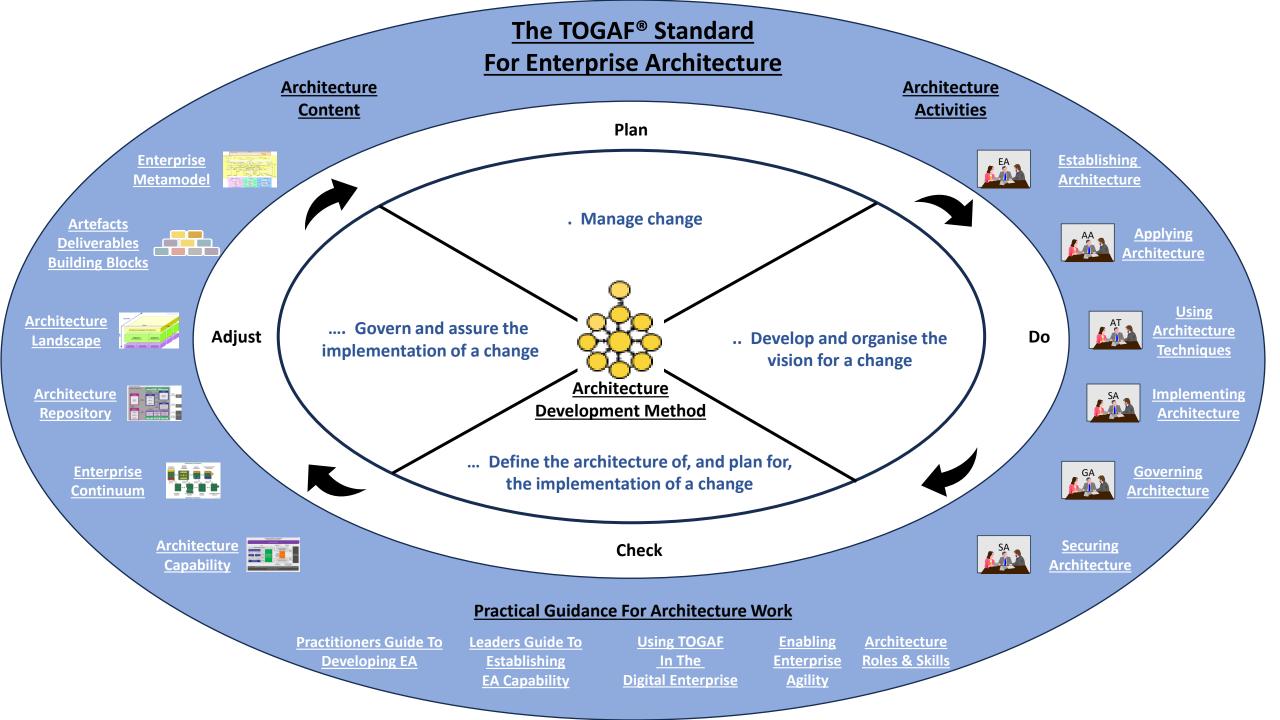
Specify the change ADM Phases B/C/D

ACT / ADJUST

Stabilise the solution & plan for the next change ADM Phase H

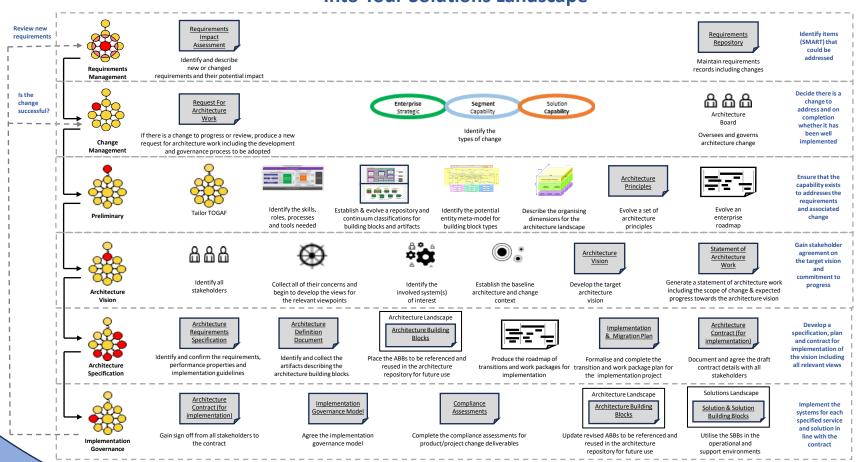
CHECK

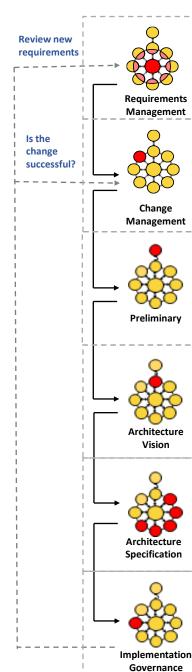
Organise, implement and assure the change ADM Phases E/F/G



The TOGAF® Standard For Enterprise Architecture

Delivering Effective Business, Technology & Information Systems
Into Your Solutions Landscape







Identify and describe new or changed requirements and their potential impact



Maintain requirements records including changes **Identify items** (SMART) that could be addressed



If there is a change to progress or review, produce a new request for architecture work including the development and governance process to be adopted



Identify the types of change



Architecture Board

Oversees and governs architecture change

Decide there is a change to address and on completion whether it has been well implemented





888

Architecture

Requirements

Specification

<u>Architecture</u>

Contract (for

implementation)



Identify the skills, roles, processes and tools needed



Establish & evolve a repository and continuum classifications for building blocks and artifacts



Identify the potential entity meta-model for building block types



Describe the organising dimensions for the architecture landscape



Evolve a set of architecture principles



Evolve an enterprise roadmap

Ensure that the capability exists to addresses the requirements and associated change



Identify all stakeholders



Collect all of their concerns and begin to develop the views for the relevant viewpoints



Identify the involved system(s) of interest



Establish the baseline architecture and change context



Develop the target architecture vision



Generate a statement of architecture work including the scope of change & expected progress towards the architecture vision

Gain stakeholder agreement on the target vision and commitment to progress



Identify and confirm the requirements, performance properties and implementation guidelines

Architecture Definition **Document**

Identify and collect the artifacts describing the architecture building blocks Architecture Landscape **Architecture Building Blocks**

Place the ABBs to be referenced and reused in the architecture repository for future use



Produce the roadmap of Formalise and complete the transitions and work packages transition and work package plan for implementation for the implementation project

Architecture Contract (for implementation)

Document and agree the draft contract details with all stakeholders

Develop a specification, plan and contract for implementation of the vision including all relevant views



Gain sign off from all stakeholders to the contract

Implementation Governance Model

Agree the implementation governance model

Compliance Assessments

Complete the compliance assessments for product/project change deliverables Architecture Landscape Architecture Building

Blocks

Implementation

& Migration Plan

Update revised ABBs to be referenced and reused in the architecture repository for future use

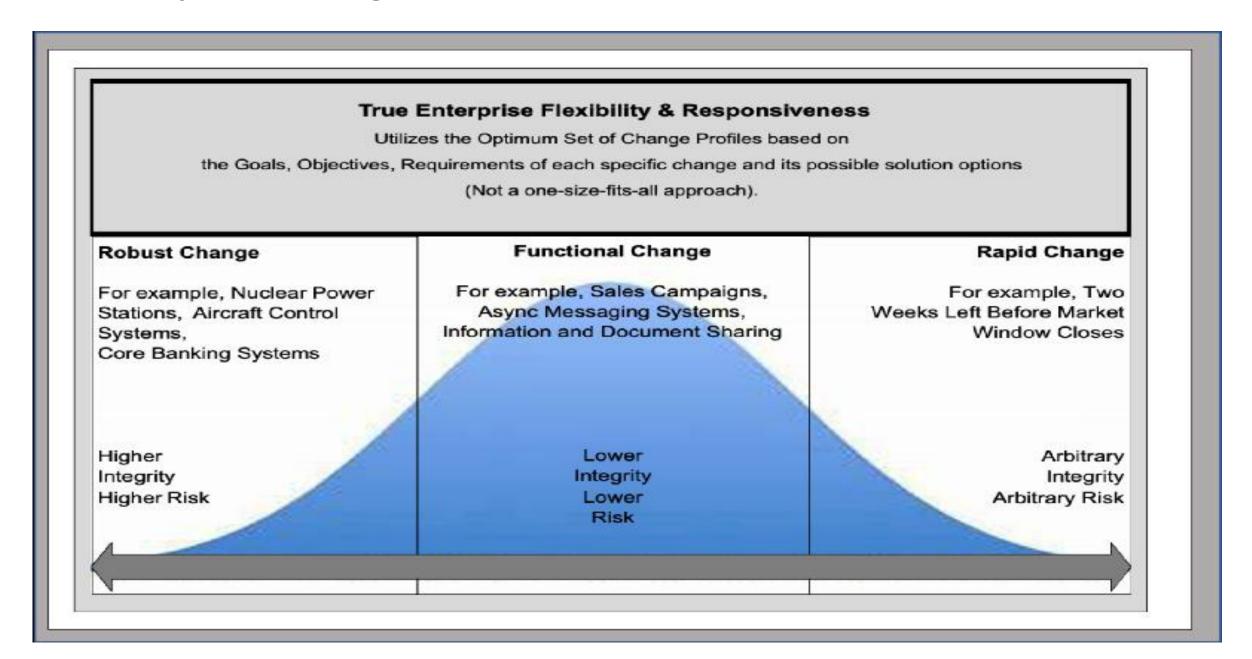
Solutions Landscape

Solution & Solution **Building Blocks**

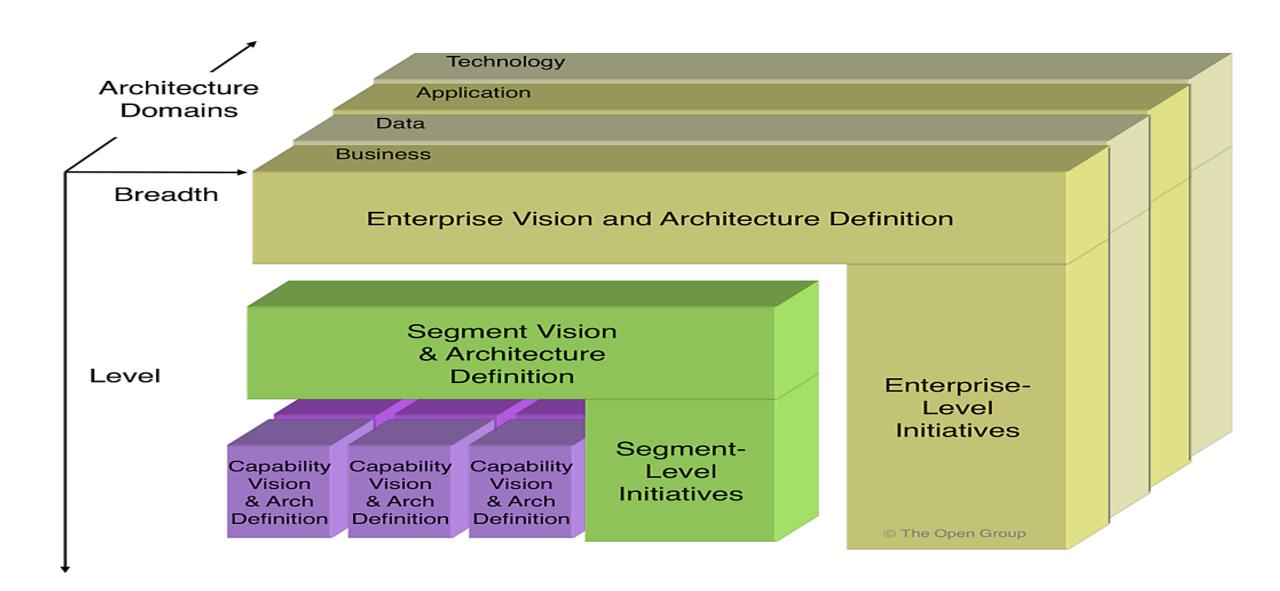
Utilise the SBBs in the operational and support environments

Implement the systems for each specified service and solution in line with the contract

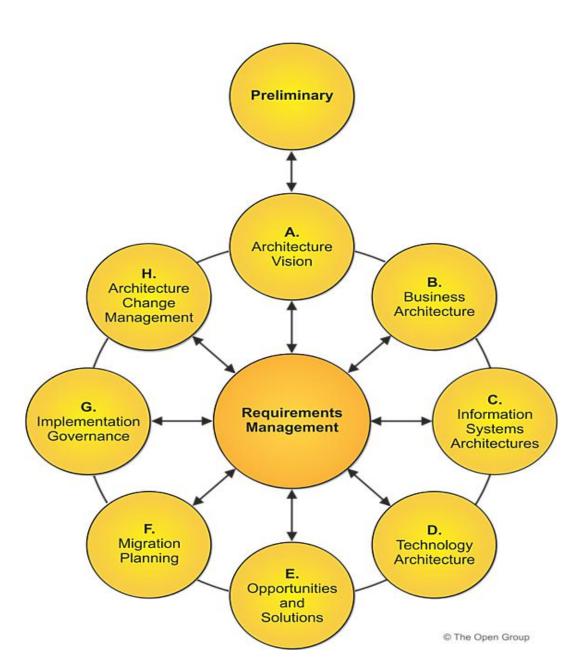
Different Styles Of Change



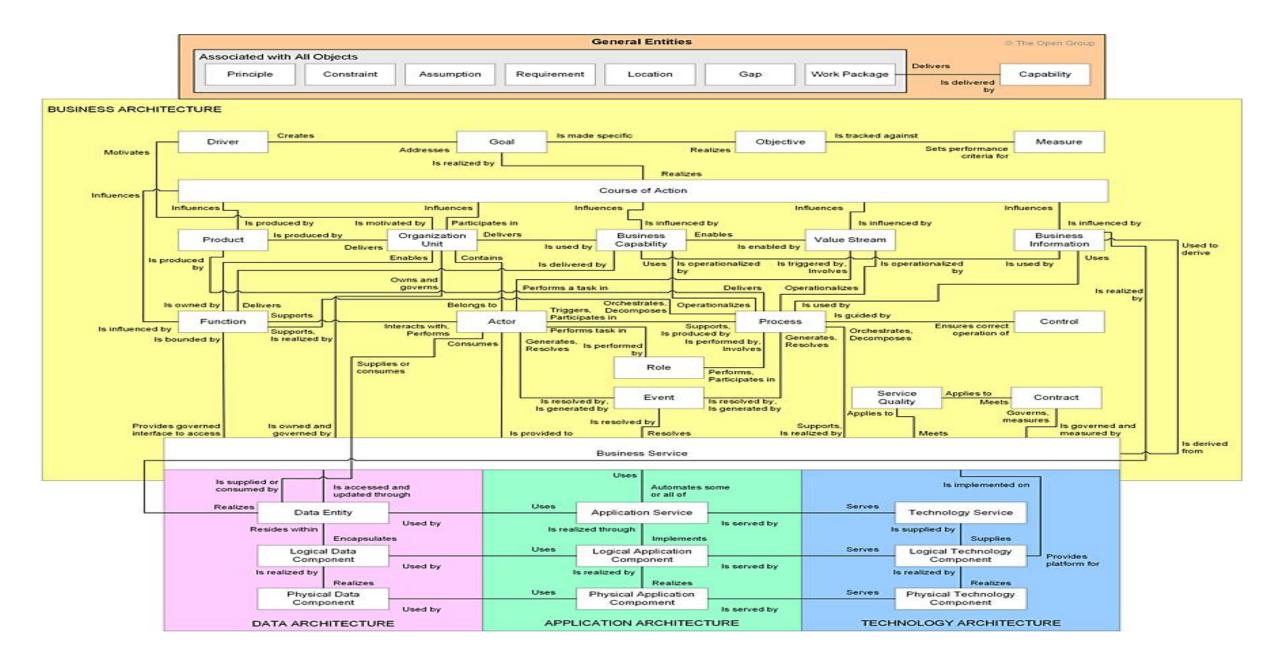
TOGAF Levels & Domains



The TOGAF ADM



The TOGAF Enterprise Metamodel



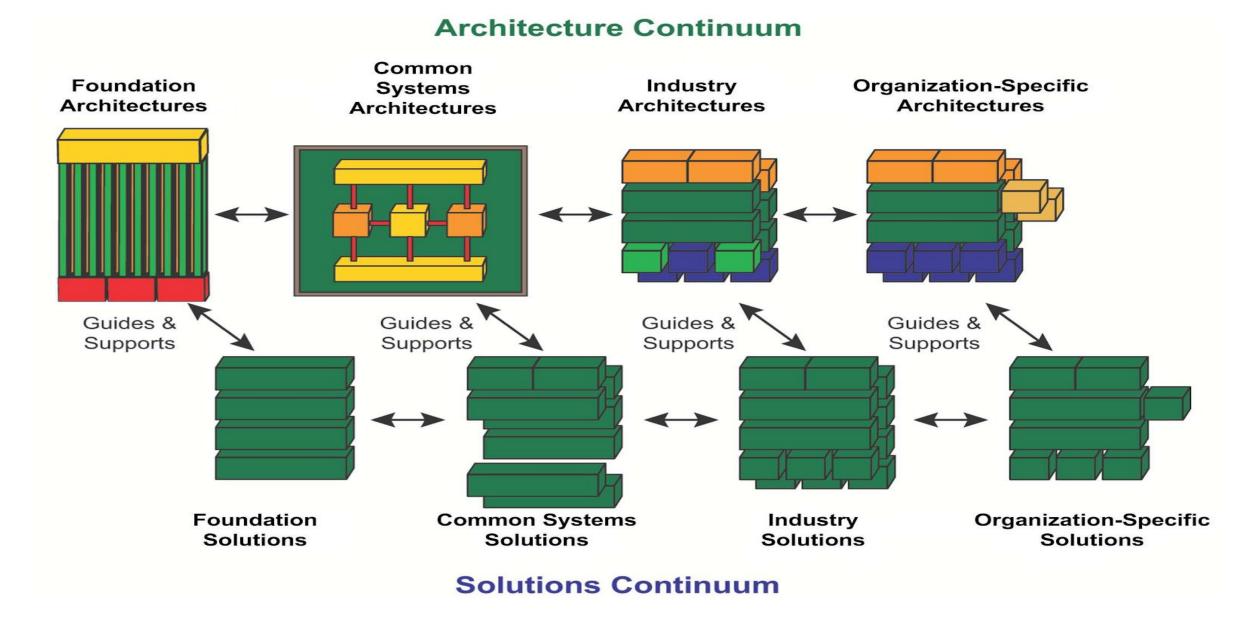
The TOGAF Enterprise Metamodel

| Preliminary | | | |
|-----------------------------|--|--|--|
| Catalogs | | | |
| Principles Catalog | | | |
| | | | |
| Architecture Vision | | | |
| Catalogs | | | |
| Stakeholder Catalog | | | |
| | | | |
| Diagrams | | | |
| Value Chain Diagram | | | |
| Solution Concept Diagram | | | |
| Solution Concept Diagram | | | |
| Business Model Diagram | | | |
| Business Capability Map | | | |
| Business Capability Map | | | |
| Value Stream Map | | | |
| | | | |
| Opportunities and Solutions | | | |
| Diagrams | | | |
| Project Context Diagram | | | |
| Benefits Diagram | | | |
| Solionia Bragiani | | | |
| Requirements Management | | | |
| Catalogs | | | |
| Requirements Catalog | | | |
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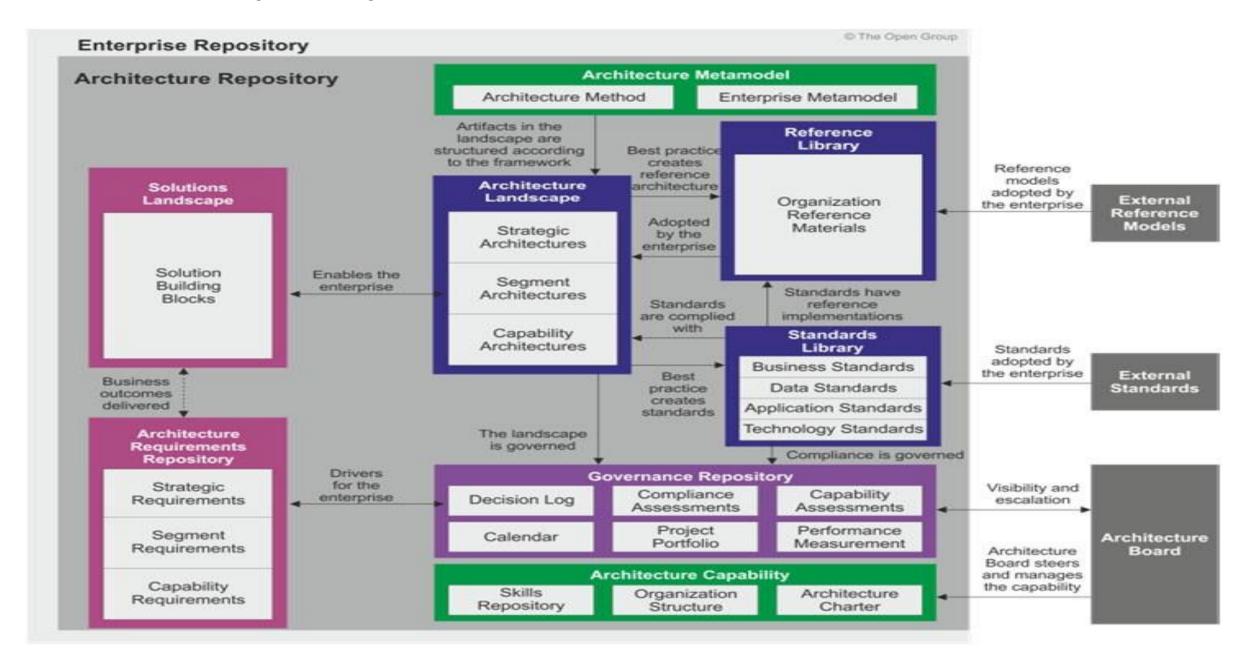
| Business Architecture | | | | |
|--|--------------------------------|--|--|--|
| Catalogs | | | | |
| Organization/Actor Catalog | Contract/Measure Catalog | | | |
| Driver/Goal/Objective Catalog | Business Capabilities Catalog | | | |
| Role Catalog | Value Stream Catalog | | | |
| Business Service/Function Catalog | Value Stream Stages Catalog | | | |
| Location Catalog | Business Glossary Catalog | | | |
| Process/Event/Control Product Catalog | | | | |
| Matrices | | | | |
| Business Interaction Matrix | Strategy/Capability Matrix | | | |
| Actor/Role Matrix | Capability/Organization Matrix | | | |
| Value Stream/Capability Matrix | | | | |
| Diagrams | | | | |
| Business Footprint Diagram | Process Flow Diagram | | | |
| Business Service/Information Diagram | Business Event Diagram | | | |
| Functional Decomposition Diagram | Business Capability Map | | | |
| Product Lifecycle Diagram | Value Stream Map | | | |
| Goal/Objective/Business Service Diagram | Organization Map | | | |
| Business Use-Case Diagram | Information Map | | | |
| Organization Decomposition Diagram | | | | |

| Data Architecture | Application Architecture | Technology Architecture |
|---|--|--|
| Catalogs | Catalogs | Catalogs |
| Data Entity/Data Component Catalog | Application Portfolio Catalog | Technology Standards Catalog |
| | Interface Catalog | Technology Portfolio Catalog |
| Matrices | Matrices | Matrices |
| Data Entity/Business Function Matrix | Application/Organization Matrix | Application/Technology Matrix |
| Application/Data Matrix | Role/Application Matrix | |
| | Application/Function Matrix | |
| | Application Interaction Matrix | |
| Diagrams | Diagrams | Diagrams |
| Conceptual Data Diagram | Application Communication Diagram | Environments and Locations Diagram |
| Logical Data Diagram | Application and User Location Diagram | Platform Decomposition Diagram |
| Data Dissemination Diagram | Application Use-Case Diagram | Processing Diagram |
| Data Security Diagram | Enterprise Manageability Diagram | Networked Computing/ Hardware Diagram |
| Data Migration Diagram | Process/Application Realization Diagram | Network and Communications Diagram |
| Data Lifecycle Diagram | Software Engineering Diagram | |
| | Application Migration Diagram | |
| | Software Distribution Diagram | |
| | | |
| | | ⊕ The Open Group |
| | | The Open Gloup |

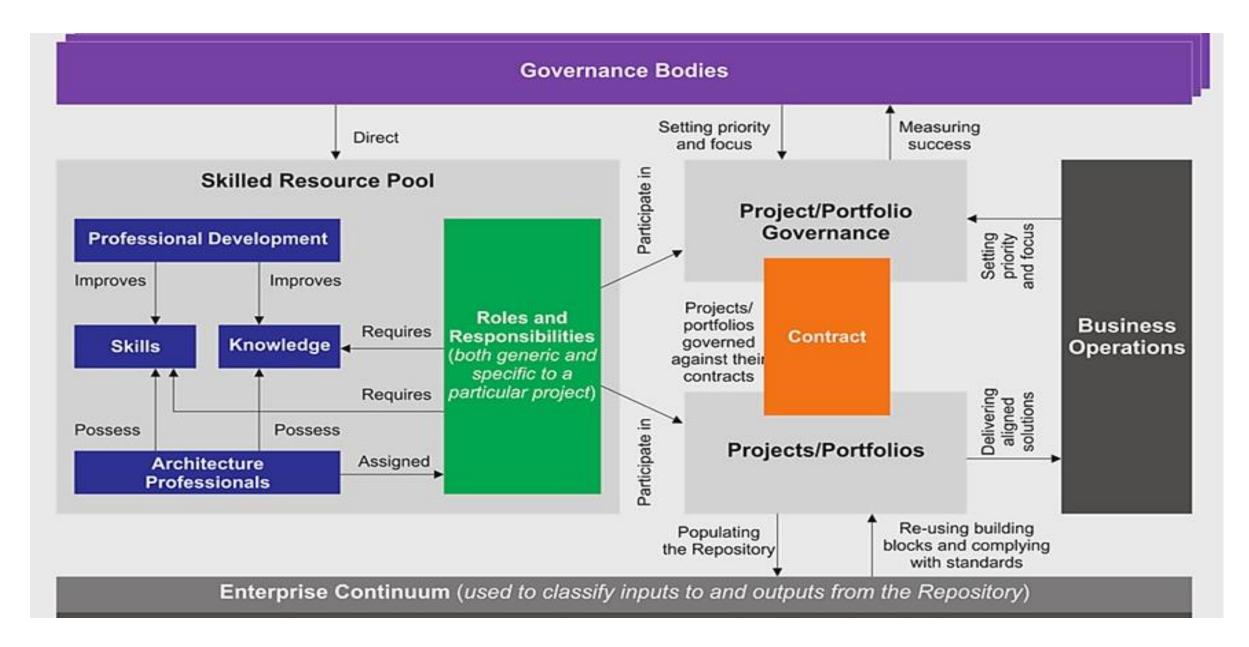
The Enterprise Continuum



Architecture Repository



Architecture Capability



TOGAF Levels & Domains

Enterprise Architects

evolve and govern aspects across and between segments to achieve goals and objectives

Segment Architects

evolve and govern capabilities within segments to achieve goals and objectives

Capability (specialist) designers and builders create and change capability in building blocks to satisfy requirements

Solution Architects

organise capabilities into new or changed solutions delivering services to meet requirements

