The Open Group Brazil Talks
November 2022

Steve Nunn, President & CEO,
The Open Group

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The TOGAF® Standard, *10th Edition*

Supporting Agility in the Digital Enterprise

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What is the TOGAF® Standard?

- An Enterprise Architecture methodology and framework
- Developed by and for EA practitioners to architect based on best practices
- Used by the world's leading organizations to simultaneously transform their business and improve operational efficiency
- Comprehensive
- Modular
- Configurable

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What is new in this Edition?

Updated Modular structure

Extended Content

Focused on what most practitioners want – more, better, and topical guidance on how to deliver the best Enterprise Architecture that supports their stakeholders and their organization

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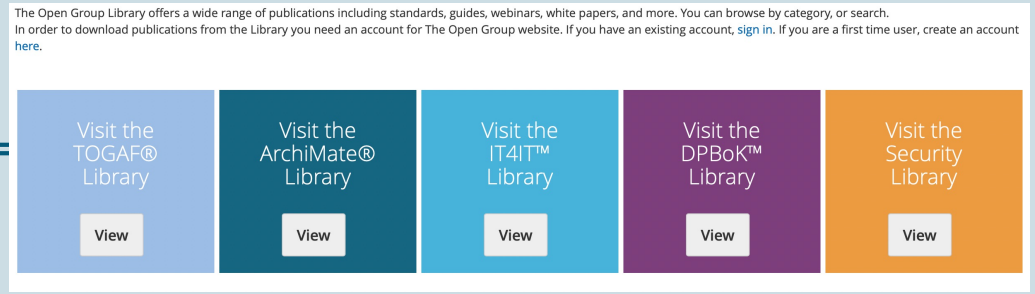
Modular Structure



The TOGAF Library

The TOGAF Standard, 10th Edition

Fundamental Content

- Introduction & Core Concepts
- Architecture Development Method
- ADM Techniques
- Applying the ADM
- Architecture Content
- Enterprise Architecture Capability and Governance

TOGAF Series Guides (groupings)

- General How-To
- Establishing an EA Team
- Agile Enterprise Architecture
- Digital Enterprise
- Business Architecture
- Security Architecture
- Data & Information Architecture
- Reference Models and Method

Guides

White Papers

Tools

Stable & Enduring

Dynamic

The TOGAF Standard Documentation Set

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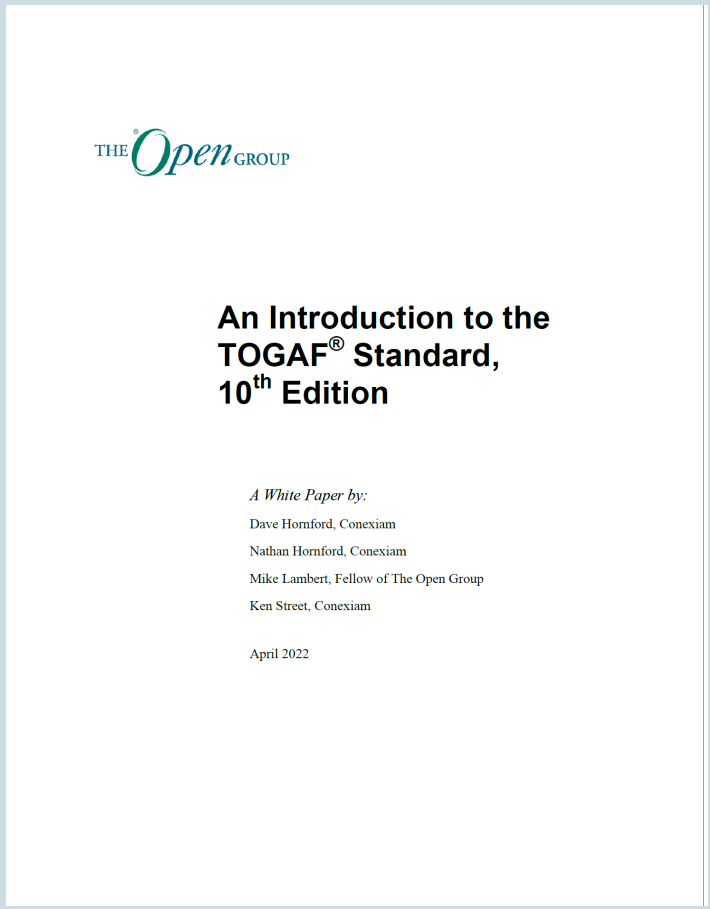
Content Formats

HTML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An Introduction to the TOGAF® Standard, 10th Edition

A White Paper by:

Dave Hornford, Conexiam

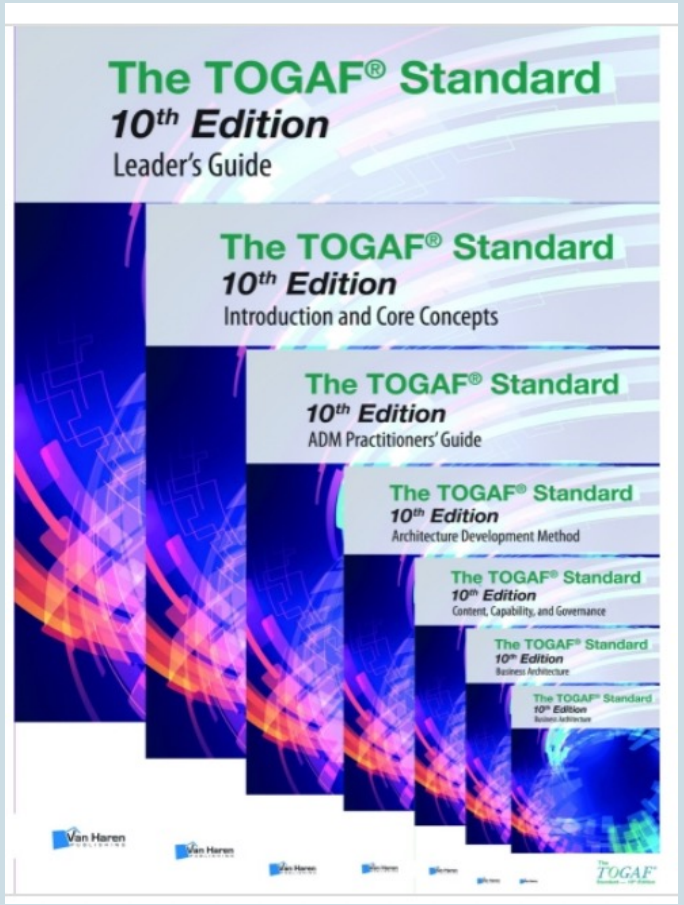
Nathan Hornford, Conexiam

Mike Lambert, Fellow of The Open Group

Ken Street, Conexiam

April 2022

PDF



BOOK

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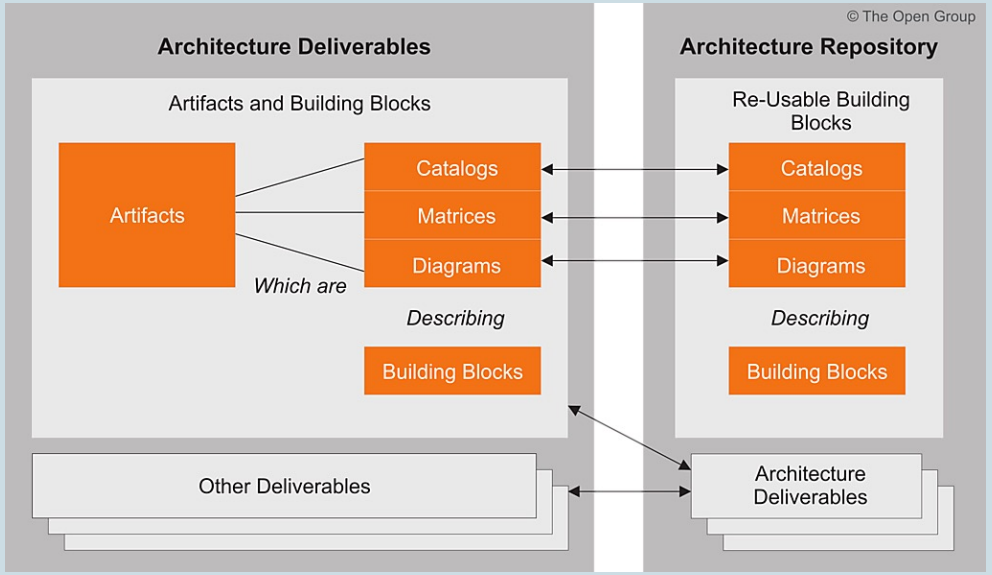
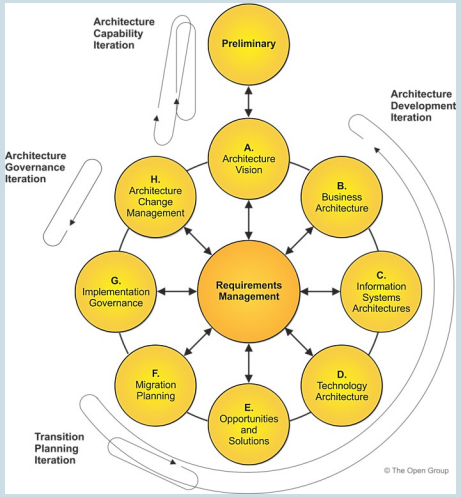
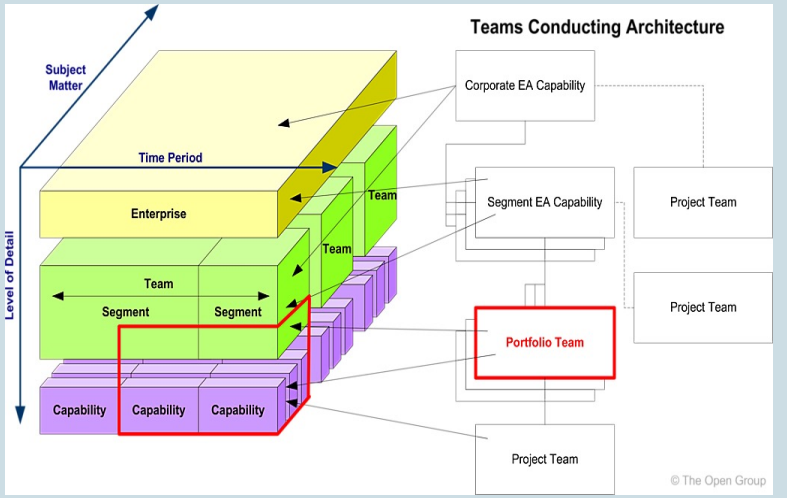
Continuity

- Core character of the TOGAF® Standard is retained
  - Catalogs, diagrams, and matrices
  - Architecture Development Method (ADM)
  - Enterprise, segment, and capability partitioning







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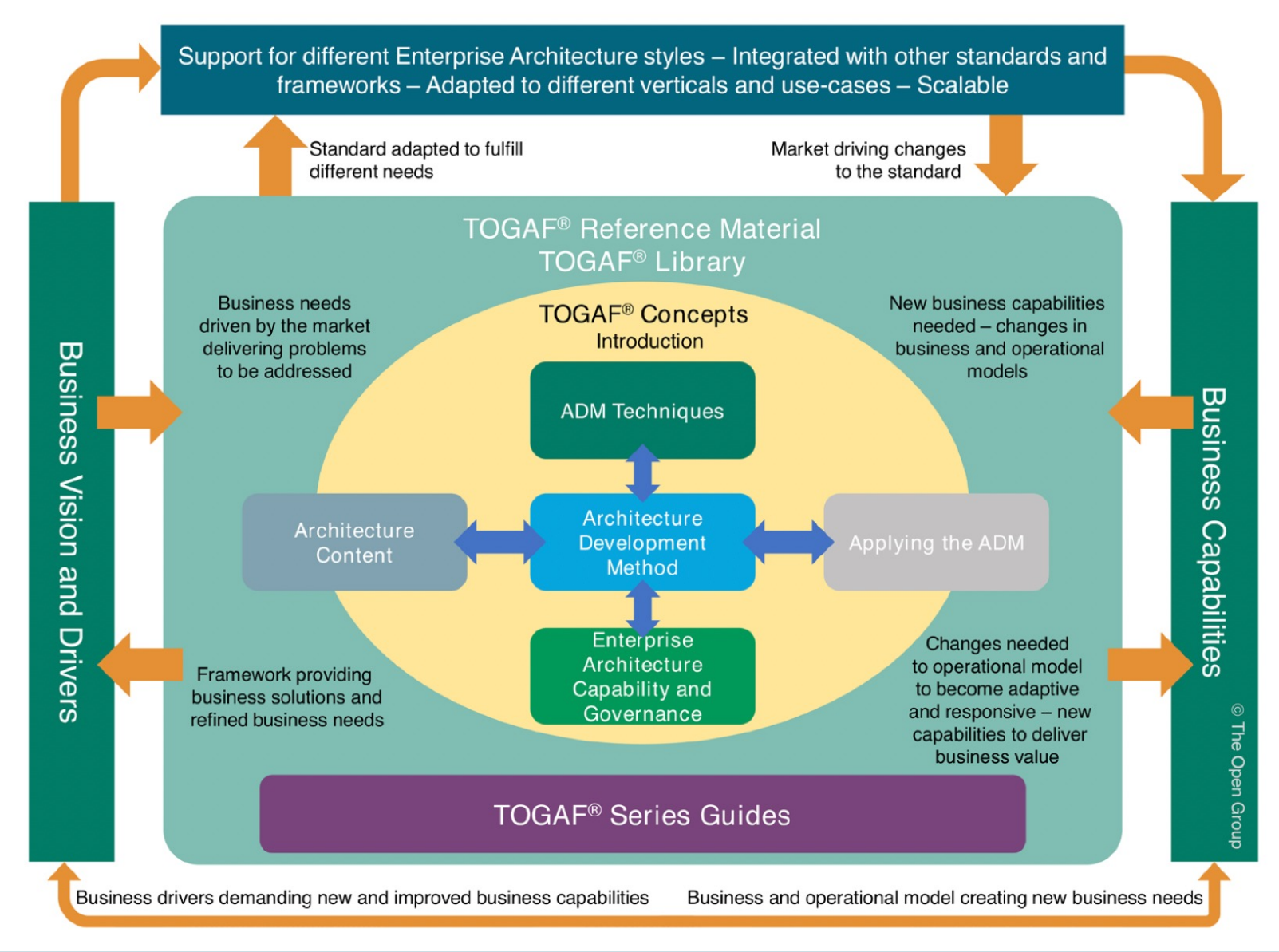
Impactful Change
Fundamental Content is revised and reorganized (6)



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Expanded Content & Domain Specific Guidance

20 Series Guides, covering:

- General How-To
- Establishing an EA Team
- Agile Enterprise Architecture
- Digital Enterprise
- Business Architecture
- Security Architecture
- Data & Information Architecture
- Reference Models and Method

Extended guidance for specific topics, concerns, and use cases, asked for by members and practitioners

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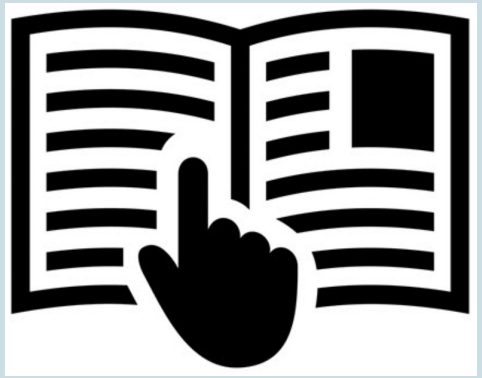
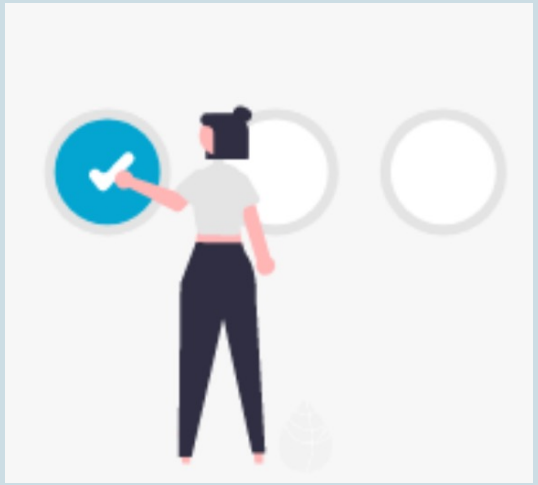
Extended guidance – TOGAF Series Guides



General How To

- A Practitioners' Approach to Developing Enterprise Architecture Following the TOGAF ADM
- Digital Technology Adoption: A Guide to Readiness Assessment and Roadmap Development
- Using the TOGAF Standard in the Digital Enterprise

Domain Specifics



- Business Architecture (6) Business Models, Business Capabilities, Value Streams, Information Mapping, Organization Mapping
- Security Architecture (1) Integrating Risk and Security within a TOGAF Enterprise Architecture
- Data & Information Architecture (1) Customer Master Data Management
- Agile Methods (2) Enabling Enterprise Agility, Applying the TOGAF ADM using Agile Sprints

for specific topics, concerns, and use-cases

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Extended guidance – TOGAF Series Guides

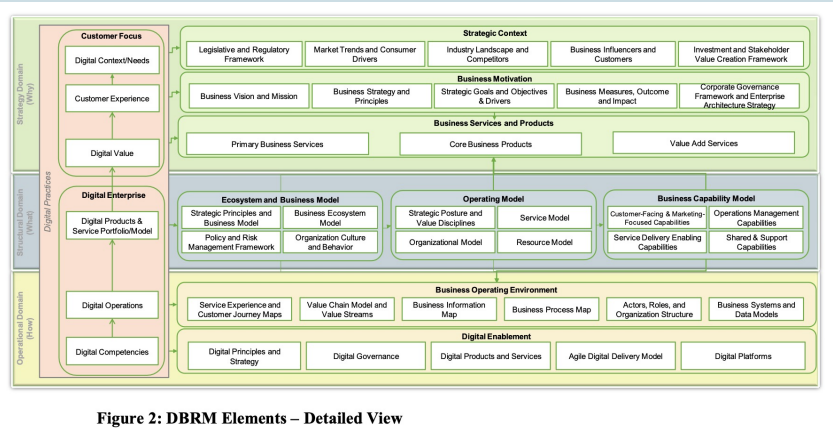

Figure 2: DBRM Elements – Detailed View

Reference Models & Methods

- Digital Business Reference Model
- Government Reference Model
- Architecture Maturity Models
- Architecture Project Management
- Architecture Skills Framework
- Microservices Architecture

Establishing and Evolving an EA Team

- The TOGAF Leader's Guide to Establishing and Evolving an EA Capability

for specific topics, concerns, and use-cases

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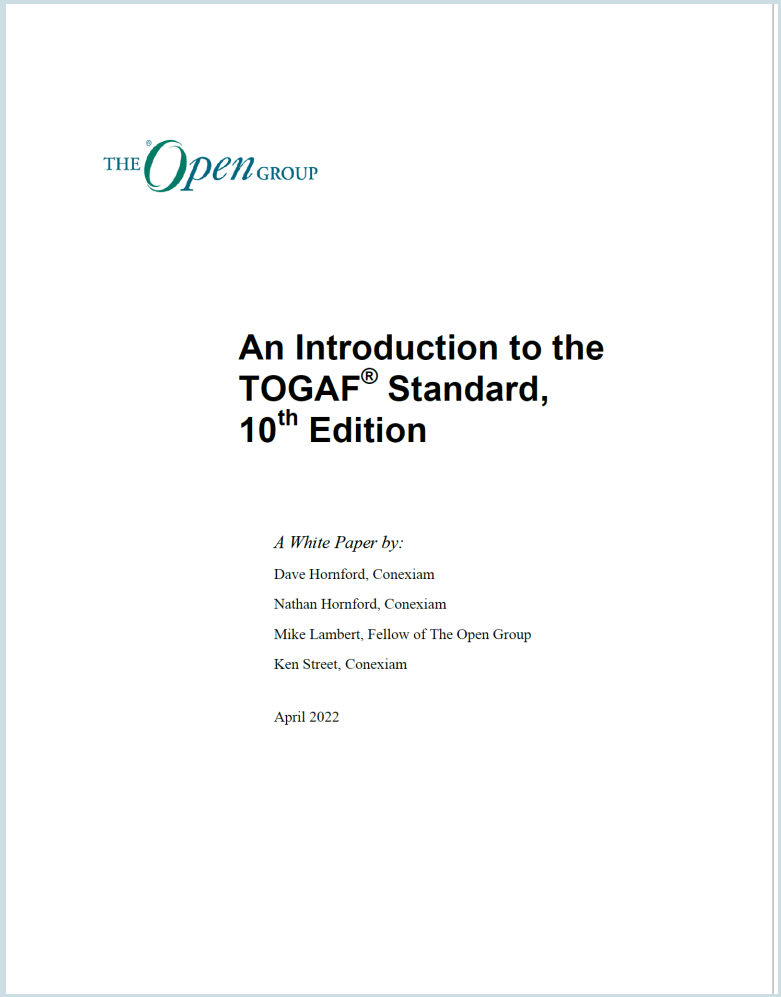
Getting Started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An Introduction to the TOGAF® Standard, 10th Edition

A White Paper by:

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Ken Street, Conexiam

April 2022

- See the White Paper: An Introduction to the TOGAF® Standard, 10th Edition
  - http://www.opengroup.org/library/w212
- Explains the motivation for and substance of the revisions and new additions to the TOGAF Standard, 10th Edition
- Includes recommendations on how to start using the 10th Edition
- Appendix A gives detailed release notes for the changes to the Fundamental Content

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Digital Edition

www.opengroup.org/togaf/10thedition

Brings together the Fundamental Content and TOGAF® Series Guides

Making it easier to navigate and search the expanded content

Evolving continuously as we expand and refresh the contents of the standard

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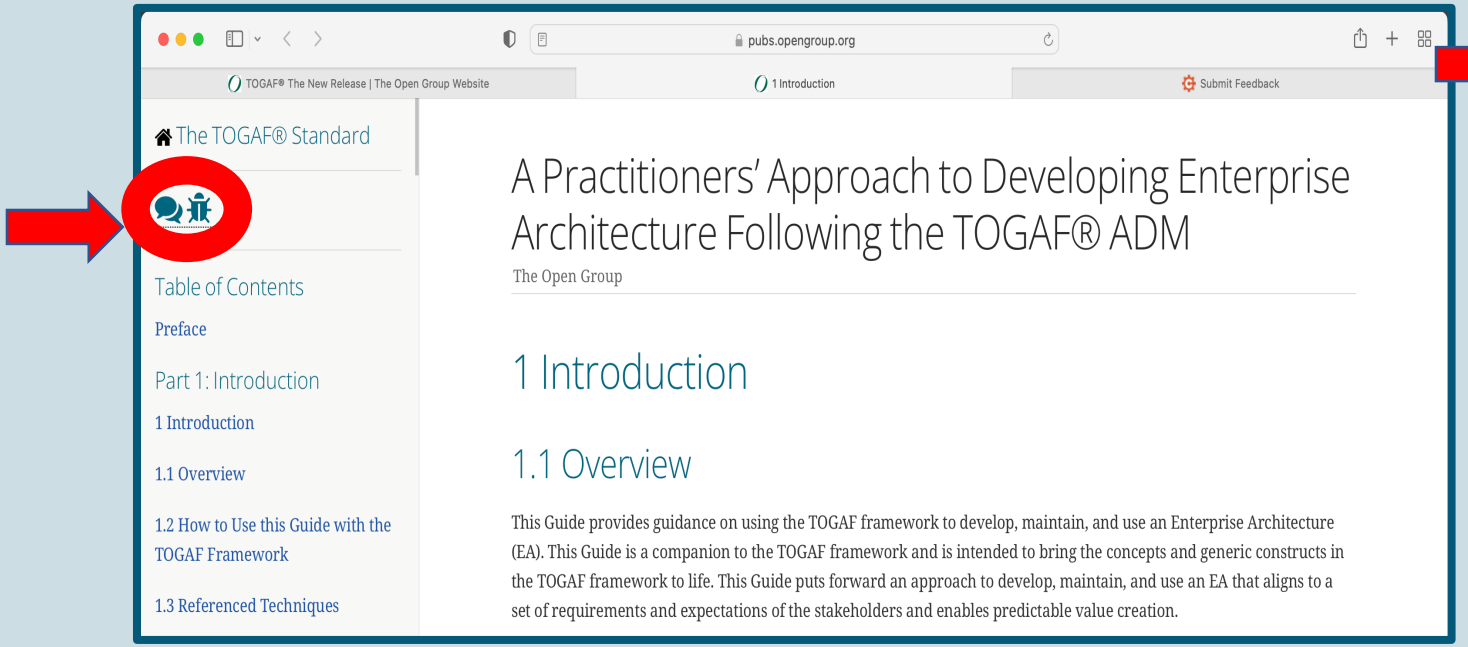
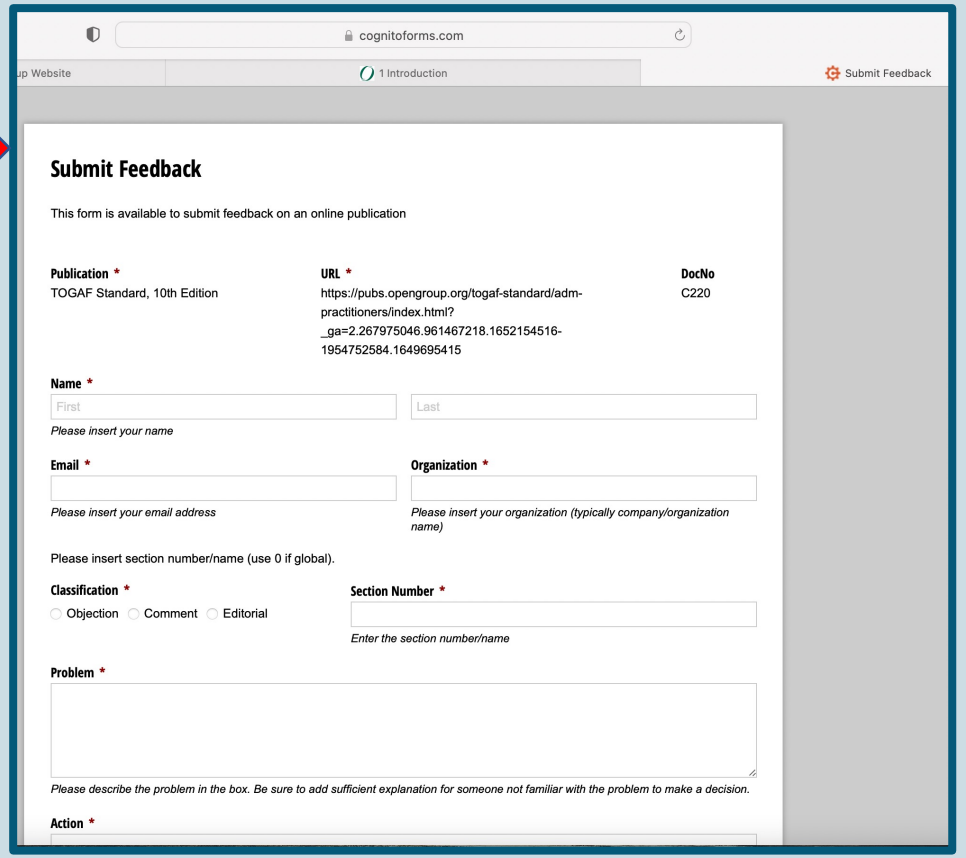
Provide Feedback Via the Digital Edition





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Important EA Content in The Open Group Library - Models & The Exchange File Format

The Open Group Guide

How to Use the ArchiMate® Modeling Language to Support the TOGAF® Standard

Prepared by The Open Group Architecture Forum and The Open Group ArchiMate Forum

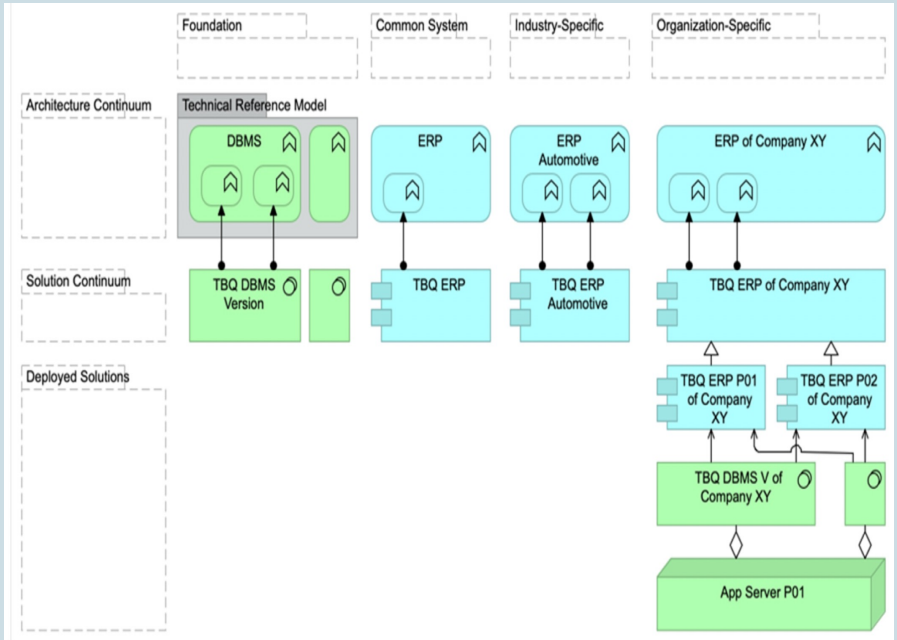

Figure 5: TOGAF Enterprise Continuum Mapped to ArchiMate Elements

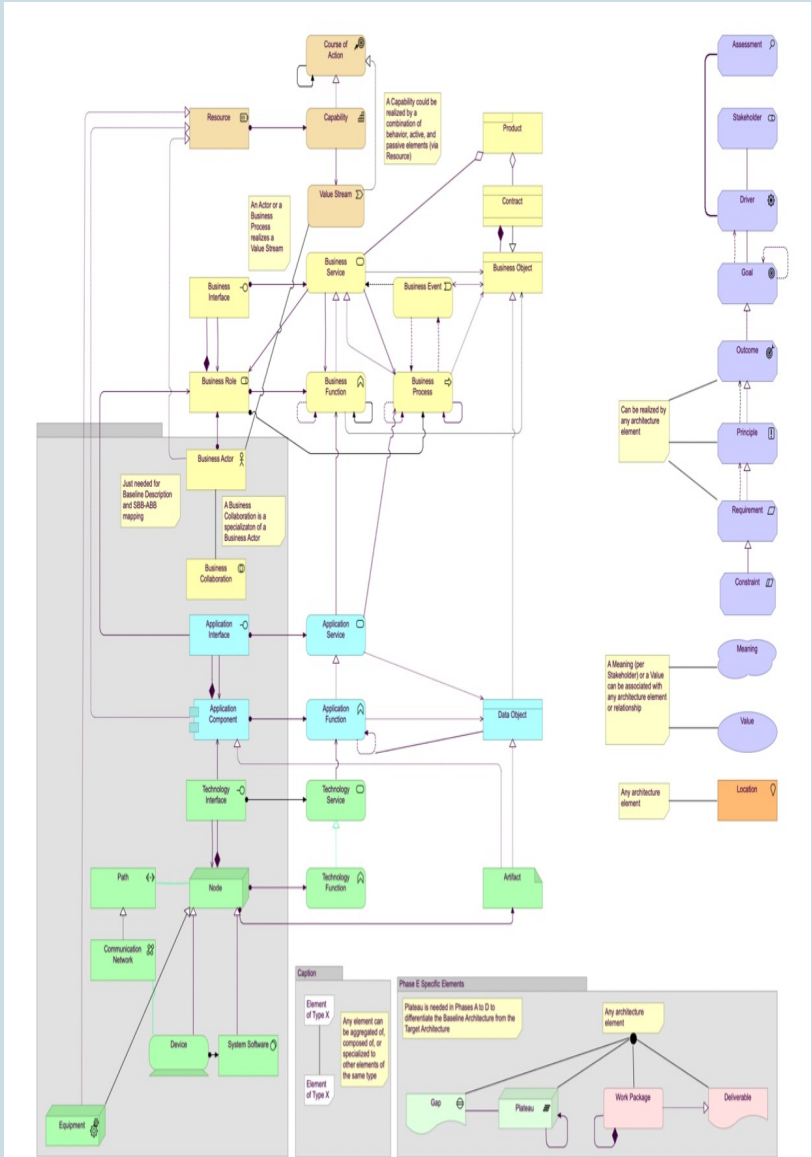

Figure 12: Metamodel Based on the ArchiMate Specification to Cover the Complete TOGAF ADM

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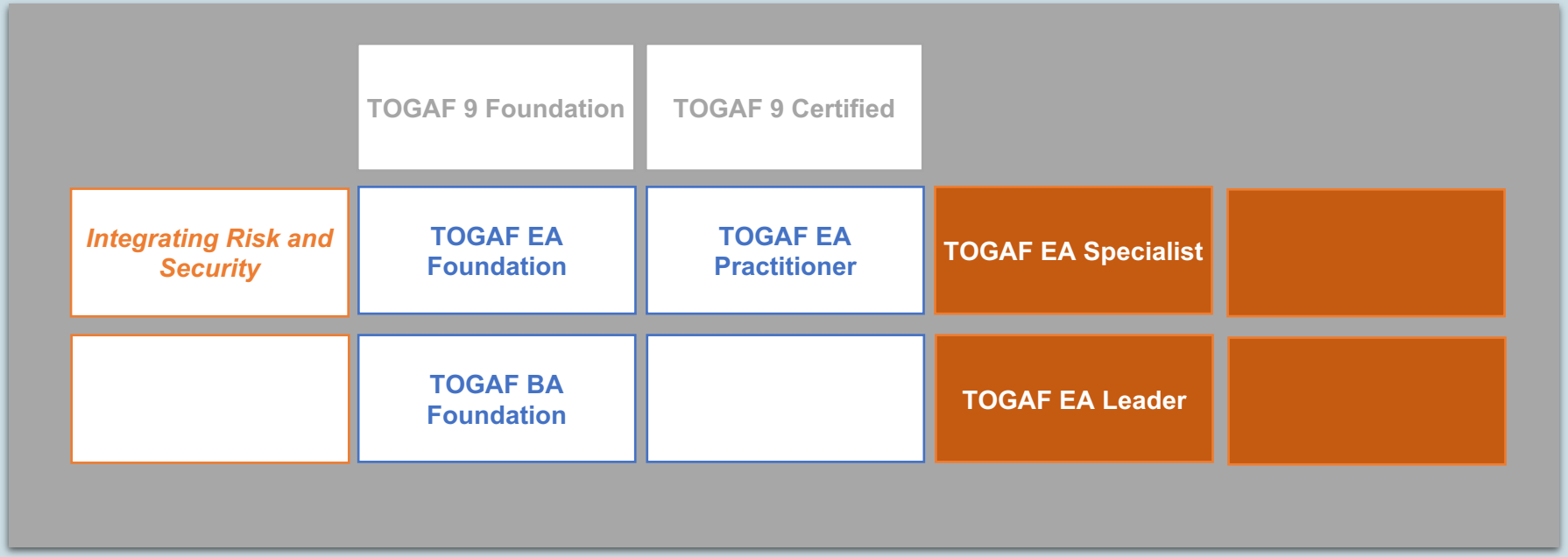
Looking Ahead – Content

- More TOGAF® Series Guides in development
- More supporting content (Guides and White Papers)
- More frequent updates to the TOGAF Standard
- Innovative ways to access and adapt the content

TOGAF ® Certification Portfolio

It includes certifications and certification credentials built upon both

- The TOGAF Standard, Version 9.2
- The TOGAF Standard, 10th Edition



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Applied Practitioner Badge

Individuals who are TOGAF Enterprise Architecture Practitioner certified and who have satisfactorily completed the **TOGAF Enterprise Architecture Practitioner Learning Studies** are eligible for the Applied Practitioner badge

Practical exercises

Mandatory element of all accredited training

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Target Audience:
TOGAF® Enterprise Architecture Bridge

Individuals who are

TOGAF 9 Certified, who wish to update their qualifications as part of their professional development and demonstrate their ability to apply Enterprise Architecture

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Portfolio of Digital Open Standards

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Why do we need a Portfolio?

Why do we need a Portfolio ?

1. **The “as-is” model**

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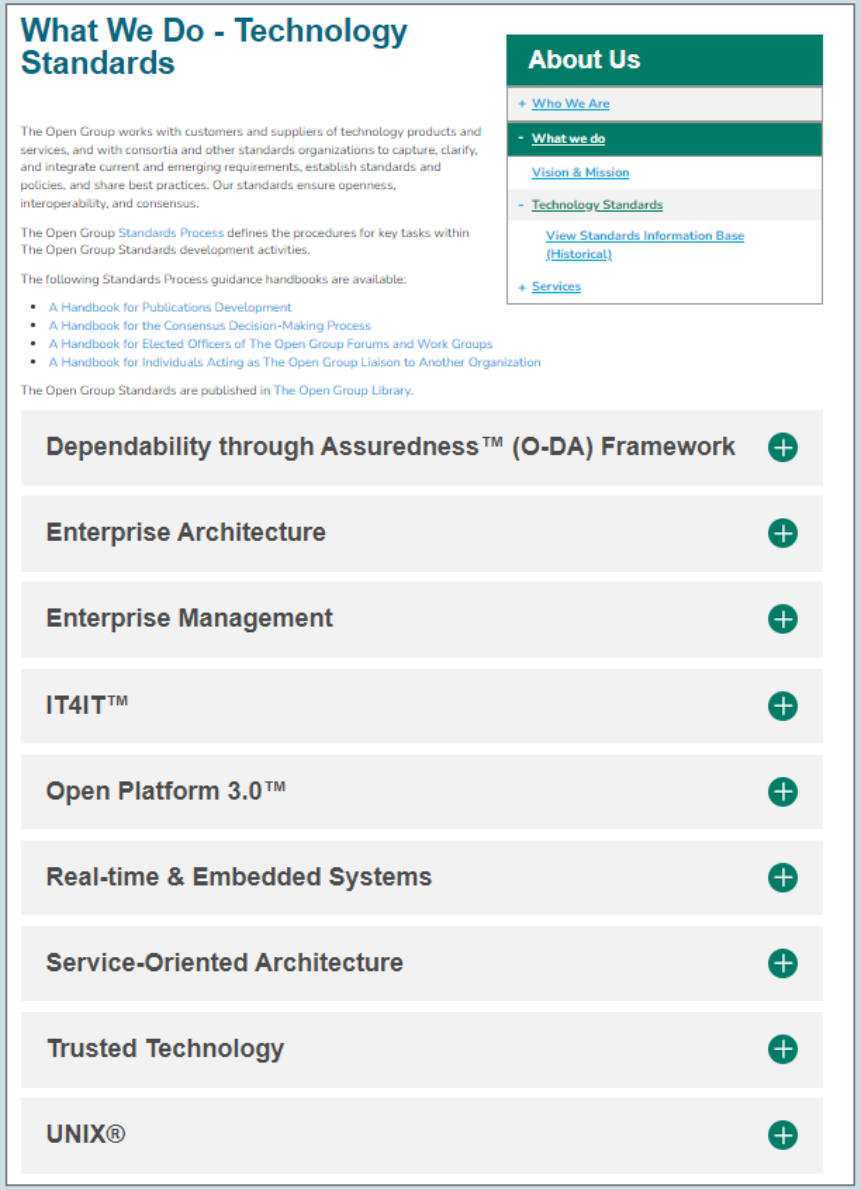
Why do we need a Portfolio?

Why do we need a Portfolio ?

1. The “as-is” model



What We Do - Technology Standards

The Open Group works with customers and suppliers of technology products and services, and with consortia and other standards organizations to capture, clarify, and integrate current and emerging requirements, establish standards and policies, and share best practices. Our standards ensure openness, interoperability, and consensus.

The Open Group Standards Process defines the procedures for key tasks within The Open Group Standards development activities.

The following Standards Process guidance handbooks are available:

- A Handbook for Publications Development
- A Handbook for the Consensus Decision-Making Process
- A Handbook for Elected Officers of The Open Group Forums and Work Groups
- A Handbook for Individuals Acting as The Open Group Liaison to Another Organization

The Open Group Standards are published in The Open Group Library.

About Us

+ Who We Are
- What we do
  - Vision & Mission
- Technology Standards
  - View Standards Information Base (Historical)
+ Services

Dependability through Assuredness™ (O-DA) Framework

Enterprise Architecture

Enterprise Management

IT4IT™

Open Platform 3.0™

Real-time & Embedded Systems

Service-Oriented Architecture

Trusted Technology

UNIX®

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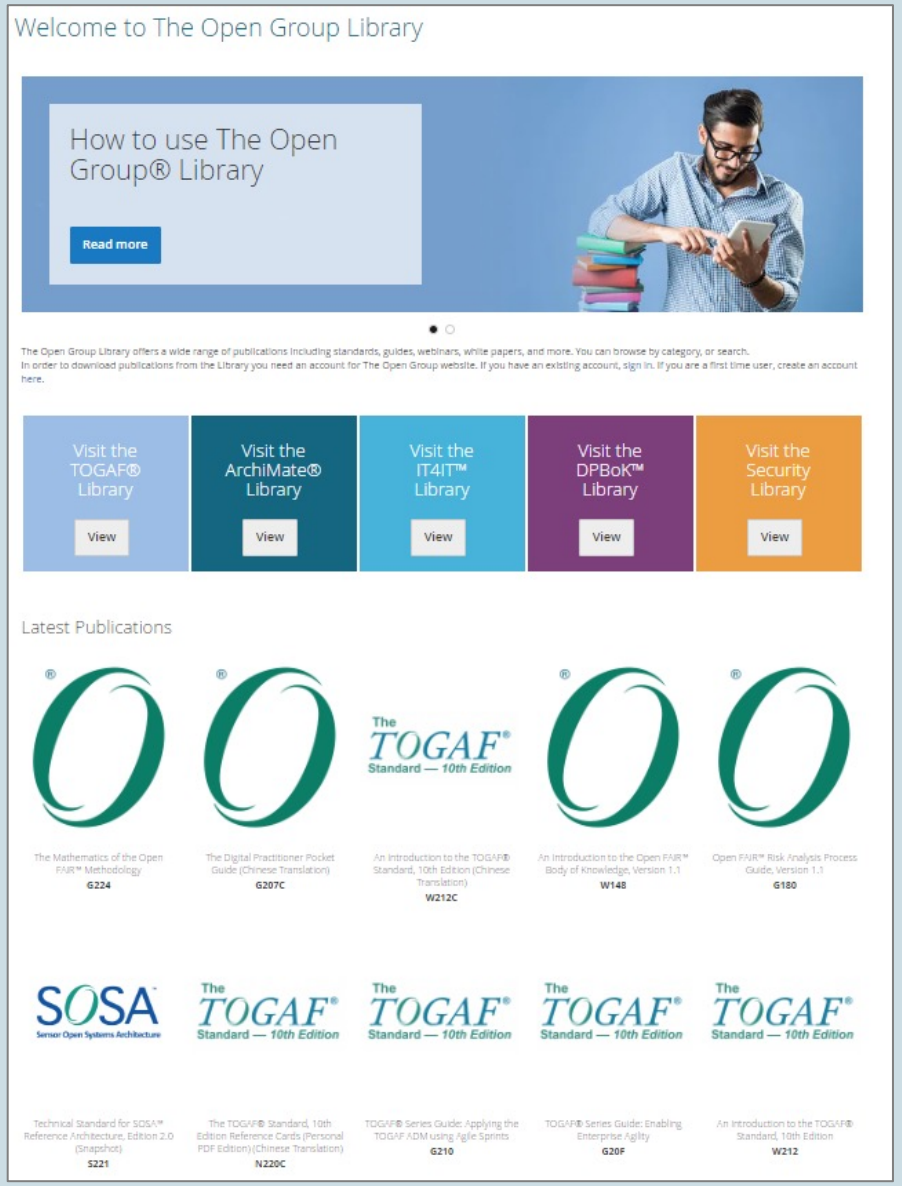
Why do we need a Portfolio?

Why do we need a Portfolio ?

1. The “as-is” model



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Why do we need a Portfolio?

Why do we need a Portfolio ?

1. **The “as-is” model**

   - A rich collection of world-class standards
   - But content is presented largely stand-alone, no overall view or obvious links

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Why do we need a Portfolio?

Why do we need a Portfolio ?

2. The opportunity

- Businesses are transforming to become more “Digital”
  - Business processes, digital systems, and data need to work together and flow freely across the enterprise
  - Speed of transformation is essential
  - ➢ Standards are a powerful enabler
- The Open Group has standards that address many of these needs

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Why do we need a Portfolio?

Why do we need a Portfolio ?

3. The challenge

- Businesses are transforming to become more “Digital”
  - Business processes, digital systems, and data need to work together and flow freely across the enterprise
  - Speed of transformation is essential
  - ➢ Standards are a powerful enabler
- The Open Group has standards that address many of these needs

… but they are mostly stand-alone. Some work has been done, and more is in progress in Forums and Working Groups to enable standards to be used together, but visibility of the links and relationships is limited

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Why do we need a Portfolio?

Why do we need a Portfolio ?

4. The vision

- Portfolio of Digital Open Standards for Digital business, which are connected and consistent, easily accessible through a web-native interface
- Discoverable and searchable, visual, cross-linking

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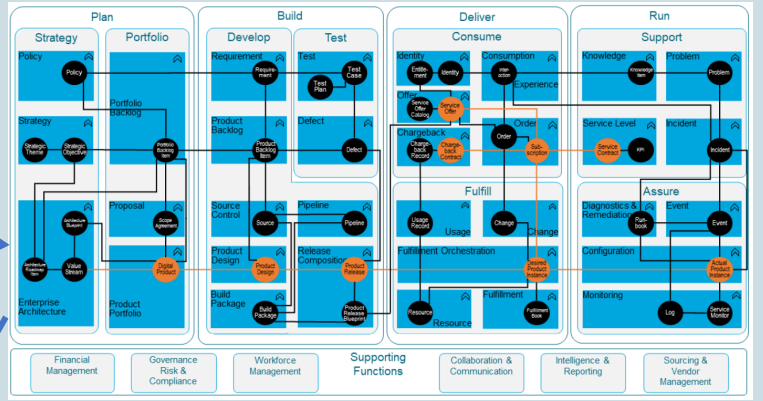
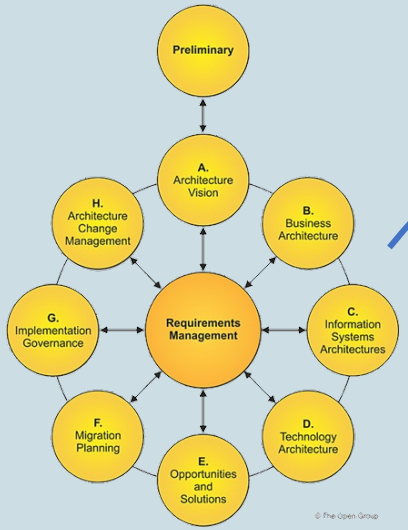
Example



IT4IT™ Standard



TOGAF® Standard

Click thru to see how strategic architecture fits with business strategy

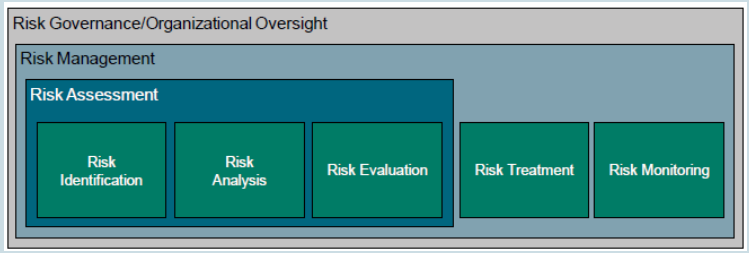
Click thru to see the detail of EA in business strategy

Click thru to see how security relates to Enterprise GRC

Click thru to see detail of Security risk assessment within GRC

Click thru to see detail of Security architecture and design

Click thru to see how security relates to other architecture domains



Open FAIR™ Standards

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Benefits

- **Benefits for members and the user community**
  - Greater understanding of relationships between standards, and ability to navigate between them
  - More powerful set of standards, each one clearly supporting others
- **Benefits for content developers in WGs and Forums**
  - Easier cross-refencing between standards
  - Promote consistency and avoid duplication
- **Benefits for The Open Group**
  - Strengthen market position as provider of Digital standards
  - Stronger value proposition for existing and prospective members

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ArchiMate® 3.2 Specification

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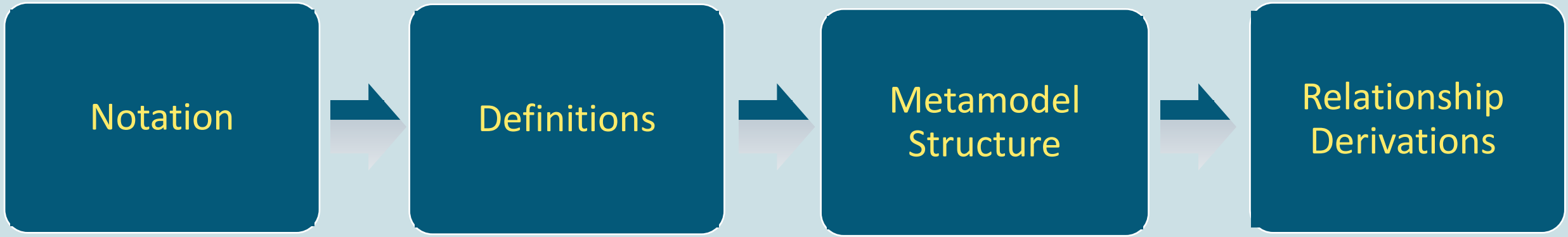
ArchiMate® 3.2 Specification: What's new?



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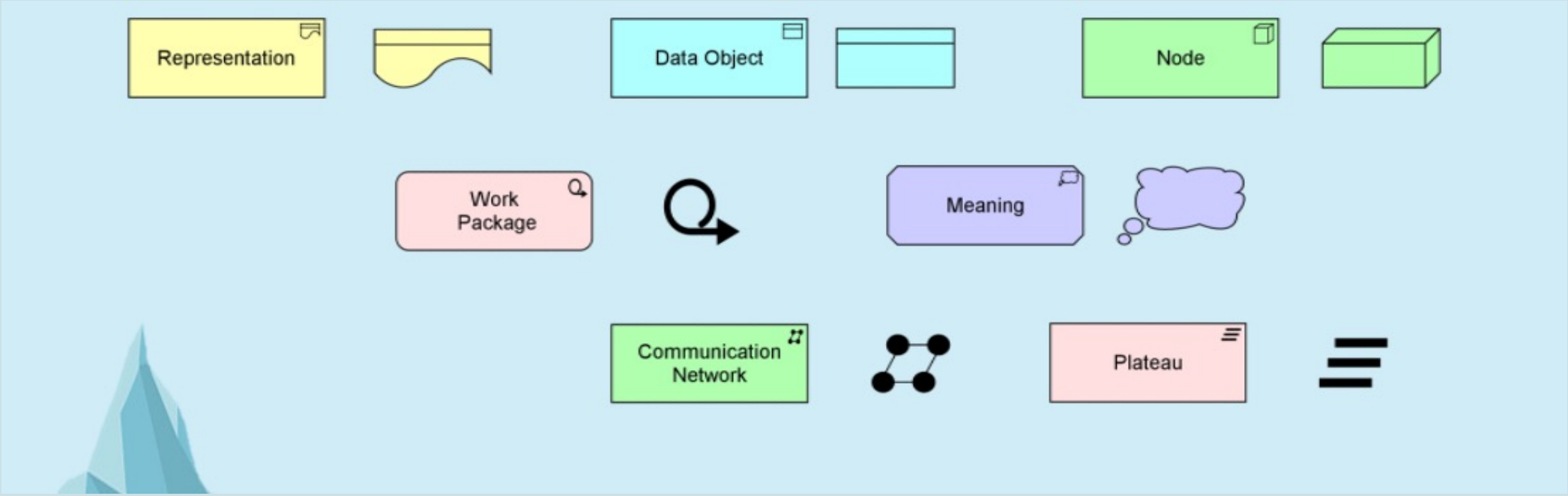
Notation

Consistency: All elements now have both a box and an icon notation, e.g.:



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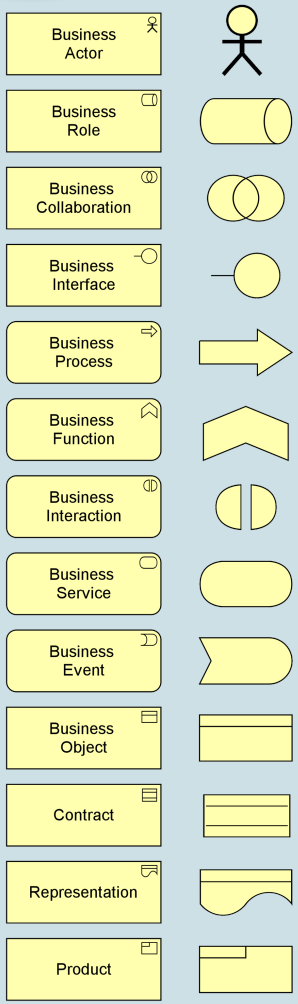
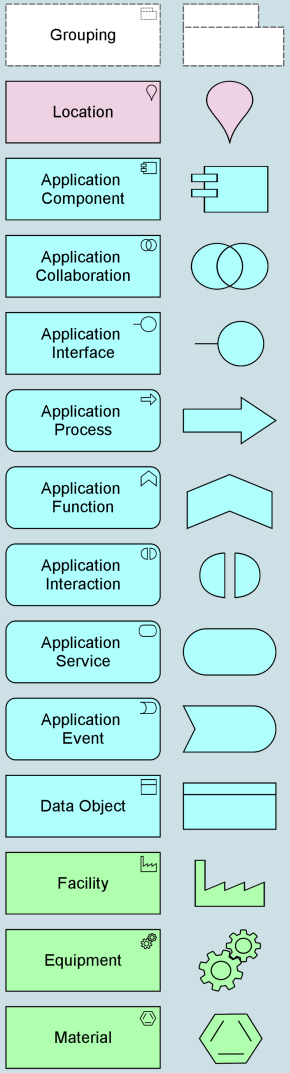
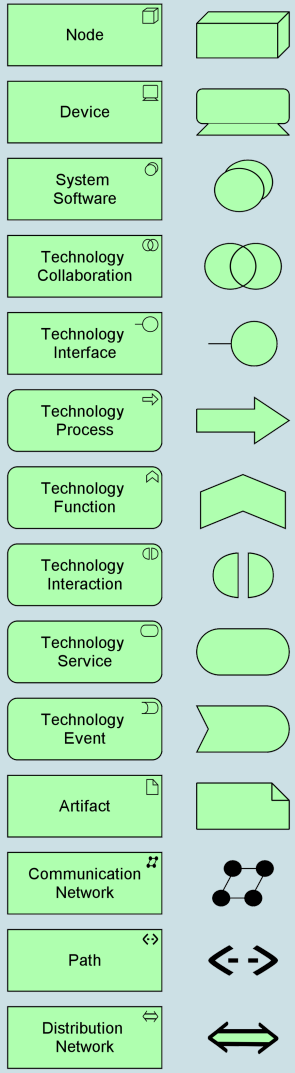
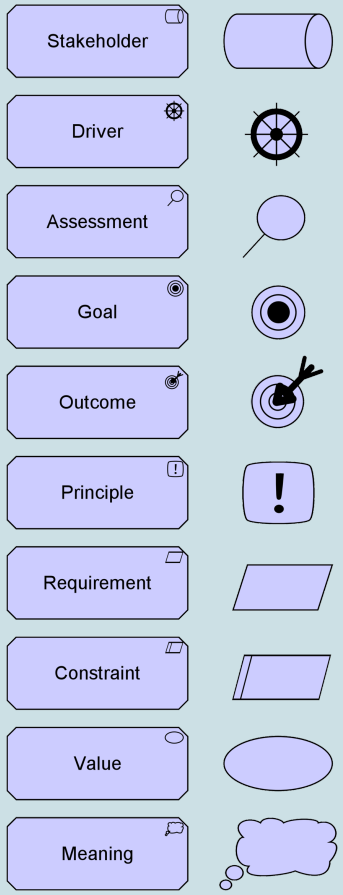
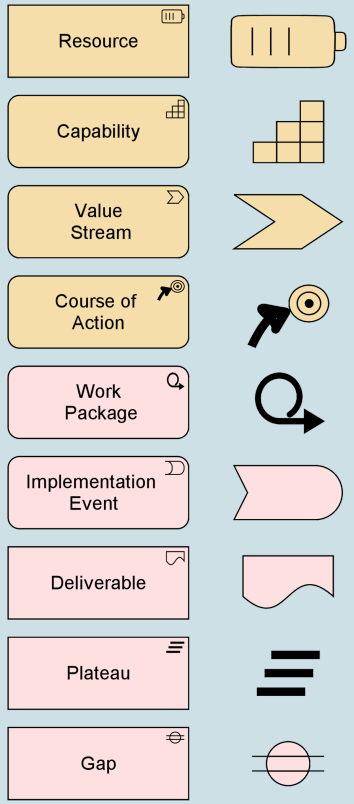
Notation











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Definitions

- Clarification and simplification of some definitions, e.g.:
  - Old: *A business function represents a collection of business behavior based on a chosen set of criteria (typically required business resources and/or competencies), closely aligned to an organization, but not necessarily explicitly governed by the organization*

    New: *A business function represents a collection of business behavior based on a chosen set of criteria such as required business resources and/or competencies, and is managed or performed as a whole*
- Many small improvements in wording and explanations throughout the document

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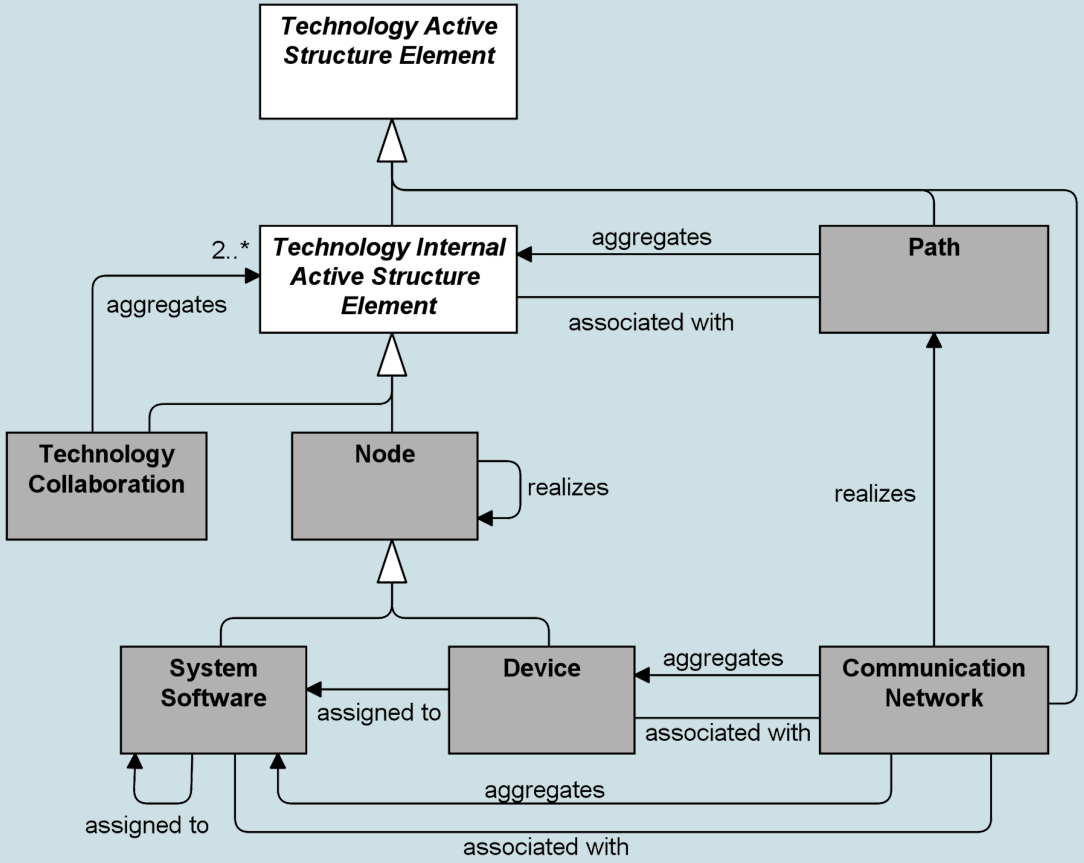
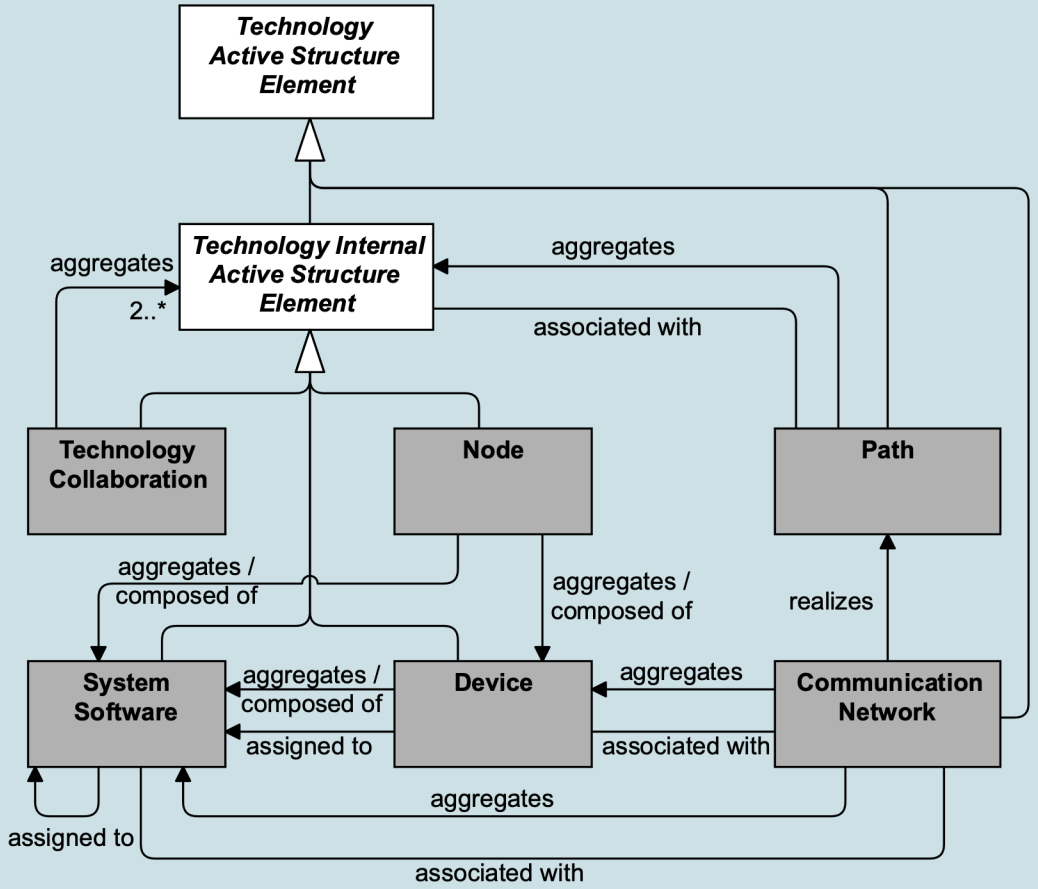
Metamodel

- Structural improvements of the metamodel
  - Especially in the Technology domain





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Derivation of Relationships

- Derivation rules themselves are unchanged
- One additional rule, to allow derivation with Grouping
- Restrictions on where derivation rules can be applied have been formalized to reduce ambiguity
- Some fine-tuning of these restrictions to allow other meaningful derivations

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Metamodel + Derivations End Result

- Addition of useful direct and derived relationships
  - e.g., Material realizes Equipment,

    Plateau aggregates Outcome
- Removal of meaningless and counter-intuitive derivations
  - e.g., Artifact realizes Business Actor,

    Device aggregates Facility

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Introducing The IT4IT™ Standard, Version 3.0

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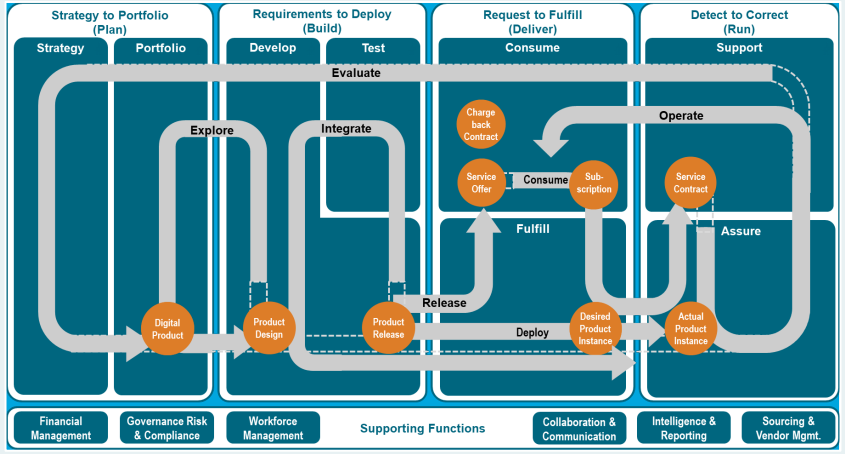
What is the IT4IT™ Standard?

Make your IT Flow

The IT4IT Standard is a reference architecture that helps to deliver a consolidated, modern, and automated digital delivery model that accelerates flow and lowers the cost and risks involved in managed digital products and services



Key ingredients of the IT4IT Standard:

- Data-driven approach
- Product backbone
- Organized around value streams
- Automation blueprint (for DevSecOps)

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The IT4IT™ Standard
Magnificent 7 Use-Cases

Use-Case 3: Improve Integration of Toolsets and Data End-to-End to Demonstrate Business Value

Use-Case 4: Assess Current IT Management Capabilities to Drive an Improvement Plan

Use-Case 5: Build a Product-centric Digital Operating Model

Use-Case 2: Standard Interfaces for Plug & Play Adoption of Tools

Use-Case 6: Secure the Digital Supply Chain

Use-Case 1: Blueprint for a Digital Product Toolchain

Use-Case 7: A Governance Model for Product Portfolio Management

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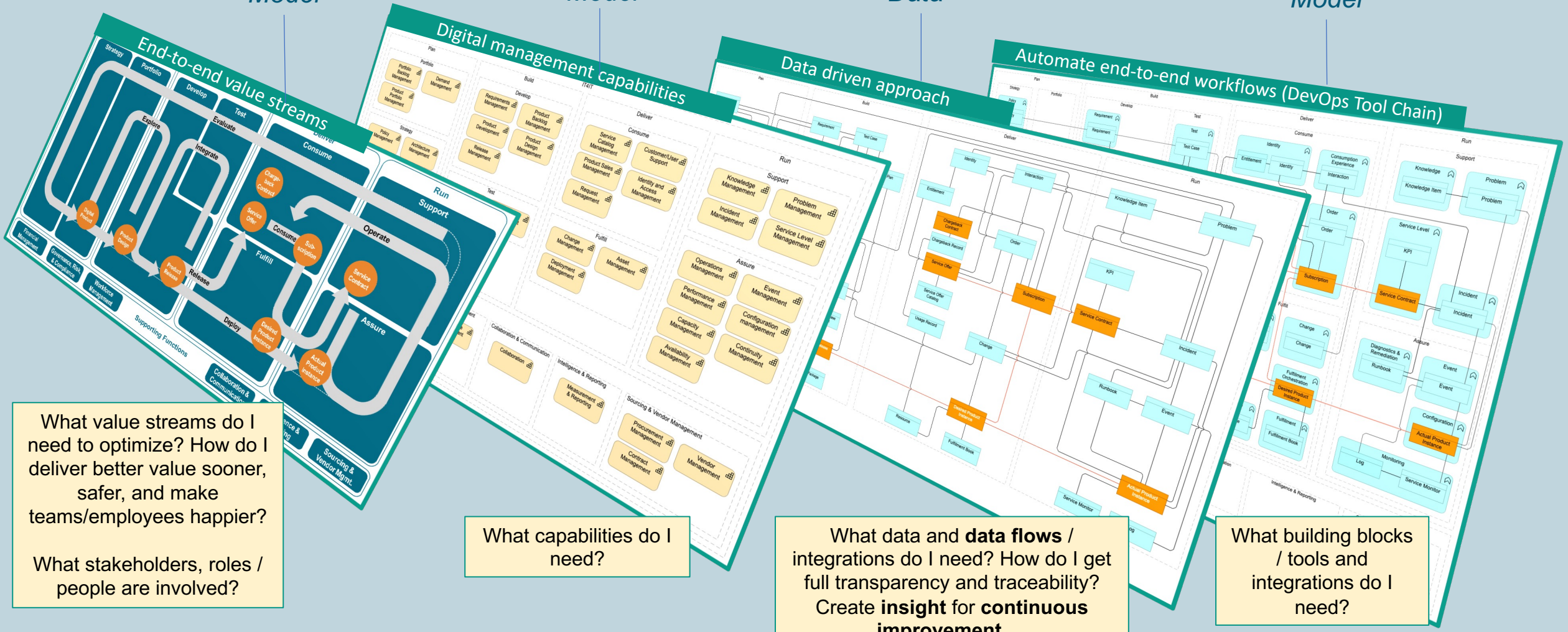
The IT4IT™ Standard for Managing Digital (Version 3.0)

Value Stream Management Model

Capability Model

Model Information / Data

Automation & Integration Model



What value streams do I need to optimize? How do I deliver better value sooner, safer, and make teams/employees happier?

What stakeholders, roles / people are involved?

What capabilities do I need?

What data and **data flows** / integrations do I need? How do I get full transparency and traceability? Create **insight** for **continuous improvement**….

What building blocks / tools and integrations do I need?

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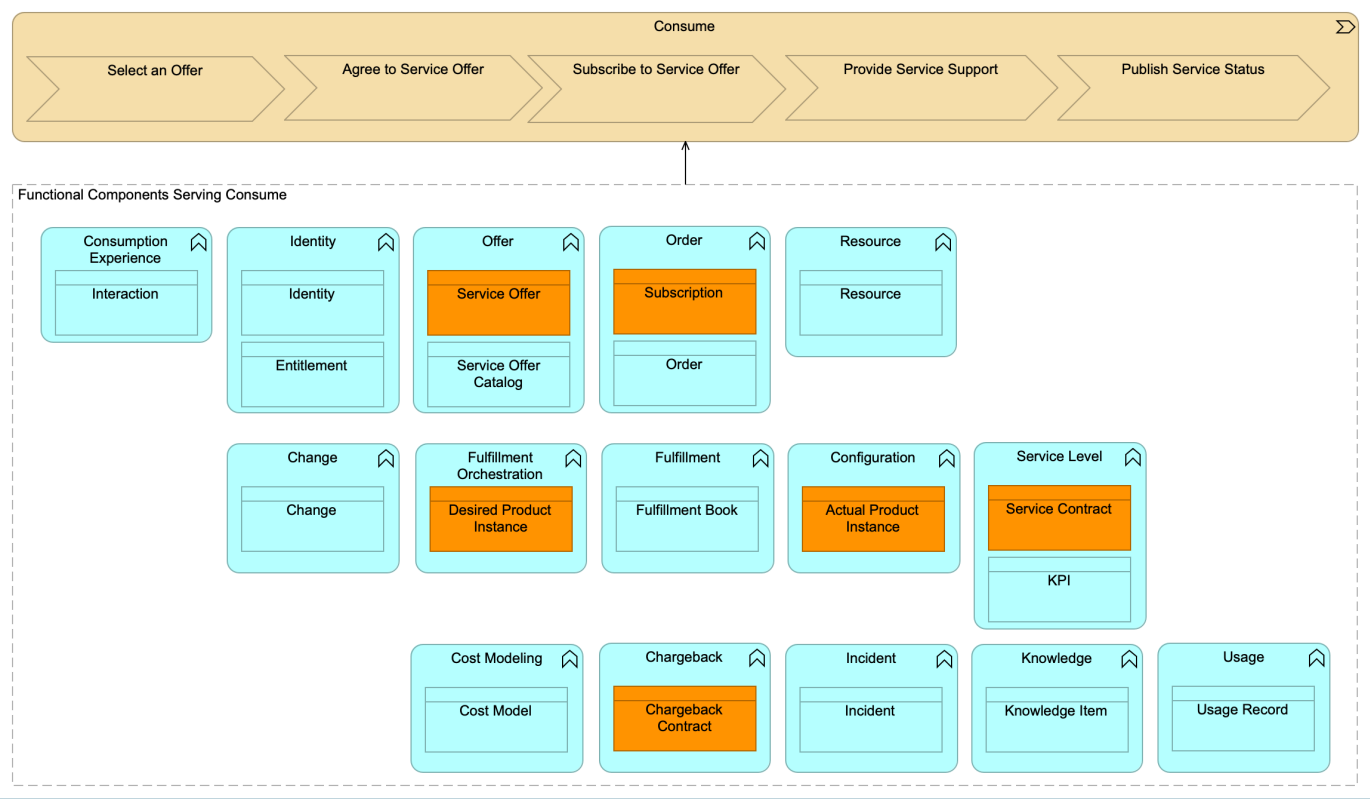
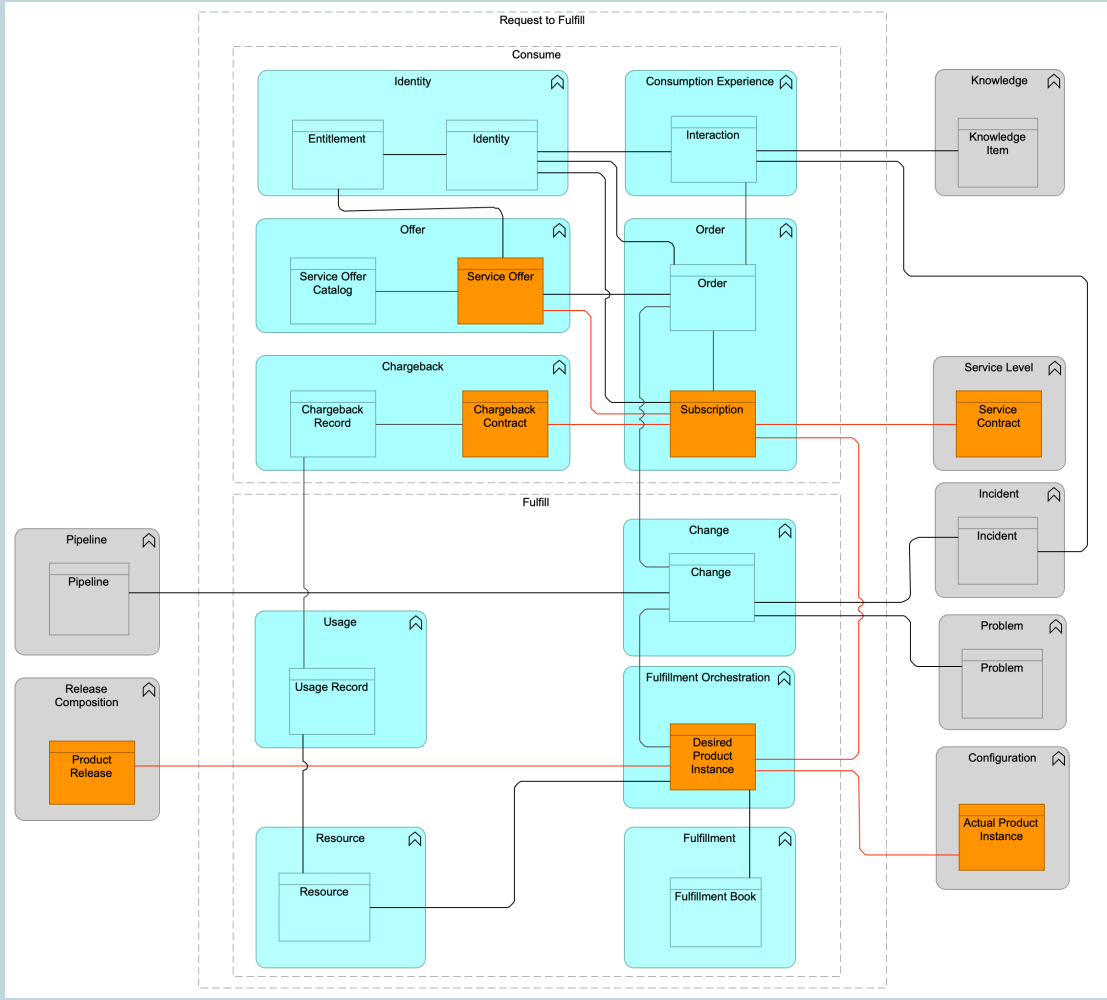
And it is all documented in the ArchiMate® Specification





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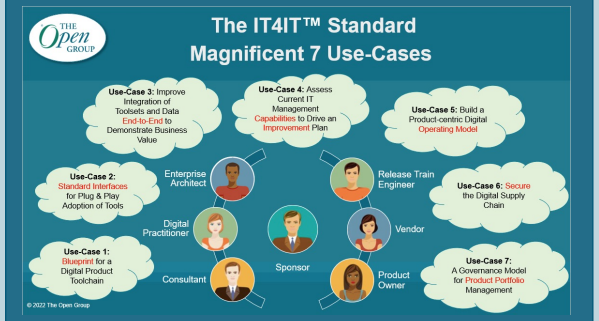
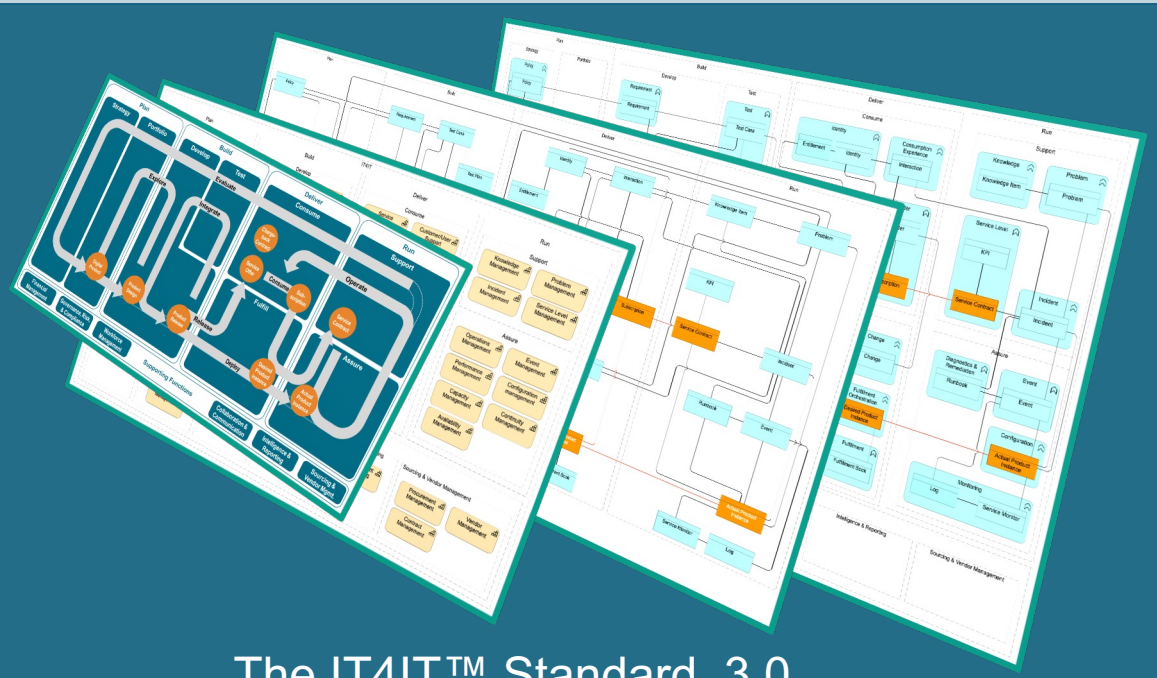


7 Magnificent Use-Cases



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