ArchiMate 3.1 certification

conformance evidence summary

Mega Product Ownership

Q4 2020

All elements
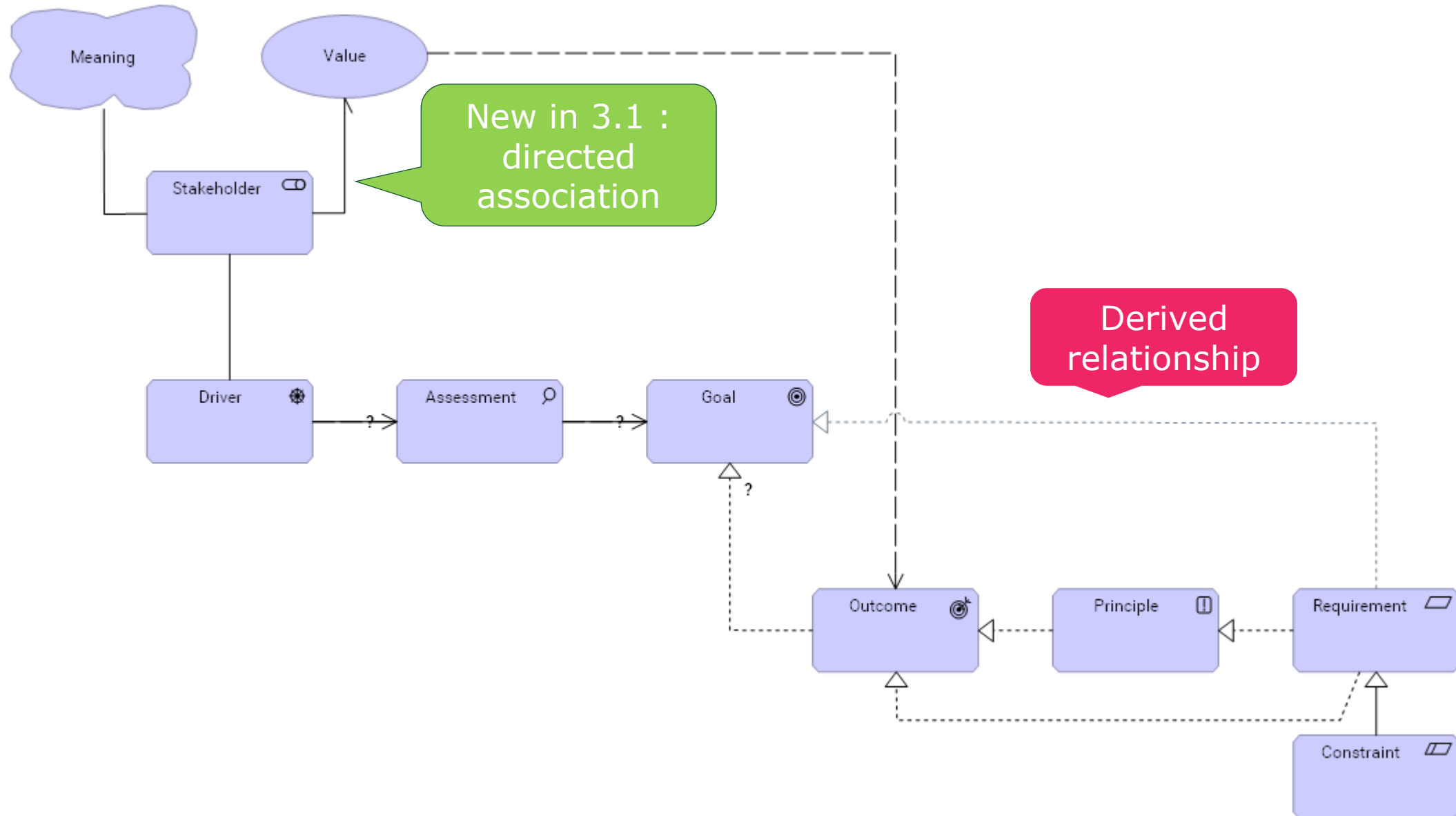

Strategy: Course of Action, Capability, Value Stream, Resource

Business: Product, Business Service, Business Interface, Contract, Business Interaction, Business Collaboration, Business Event, Business Object, Business Function, Business Role, Representation, Business Process, Business Actor

Motivation: Stakeholder, Meaning, Value, Driver, Assessment, Goal, Outcome, Principle, Requirement, Constraint

Application: Application Service, Application Interface, Application Interaction, Application Collaboration, Application Event, Application Function, Application Component, Data Object, Application Process

Composites: Location, Grouping

Technology: Technology Service, Technology Interface, Technology Interaction, Technology Collaboration, Path, Technology Event, Technology Function, Node, Communication Network, Artifact, Technology Process, System Software, Device

Physical: Facility, Distribution Network, Material, Equipement

Implementation and Migration: Gap, Plateau, Deliverable, Implementation Event, Work Package
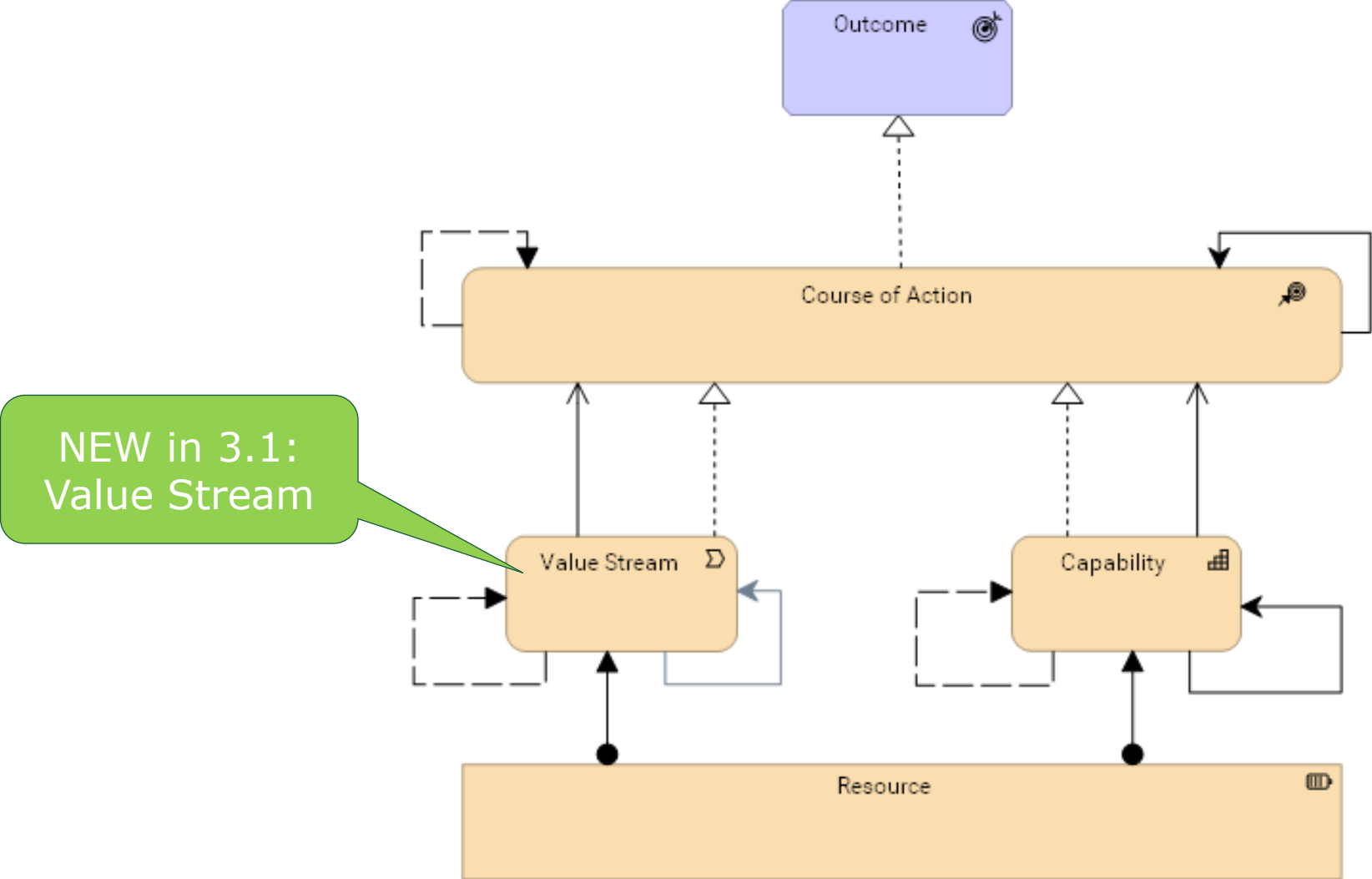
NEW in 3.1: Value Stream
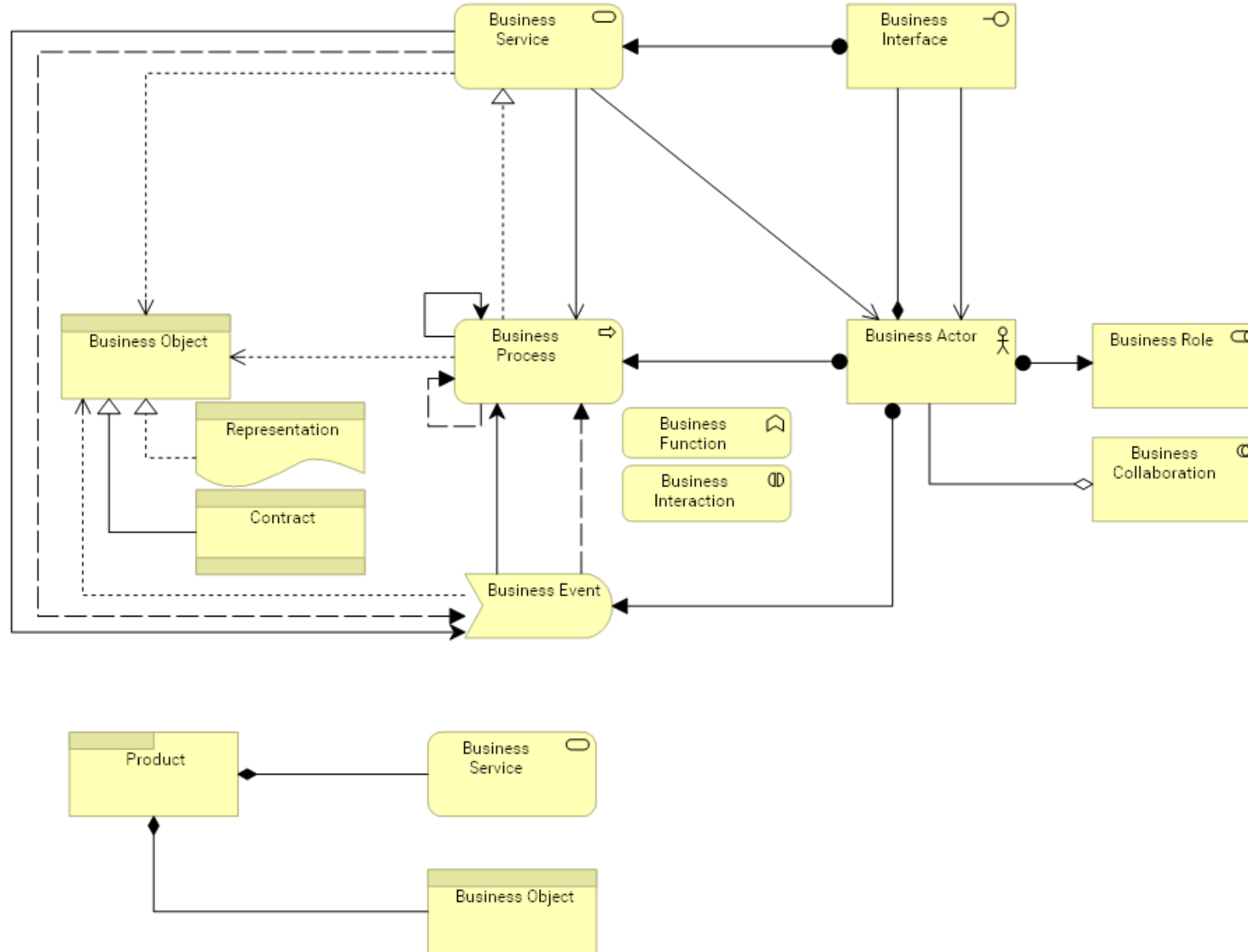
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ArchiMate Metamodel (by Layer)

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Motivation Layer (simplified)
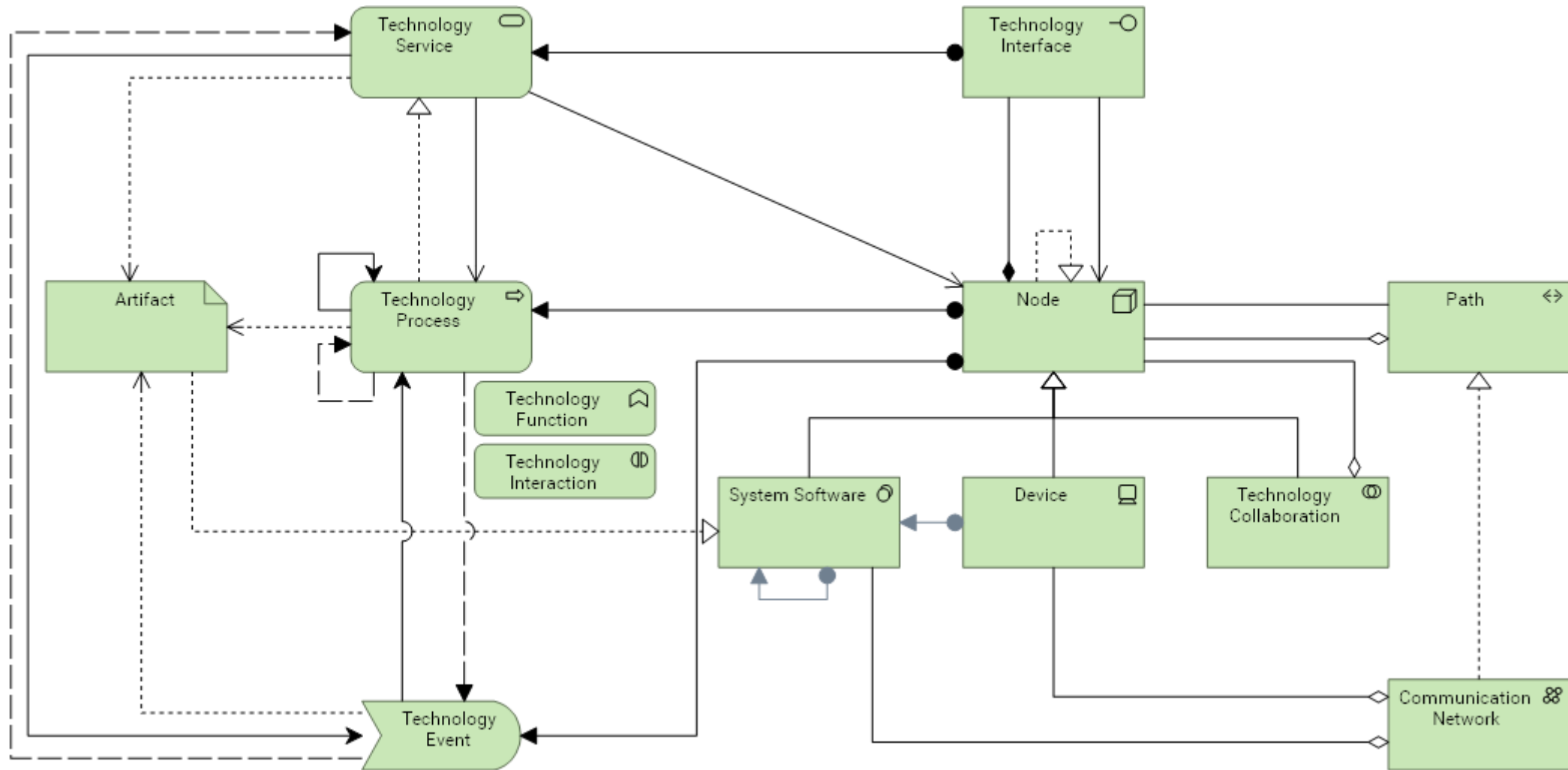
Strategy Layer (simplified)

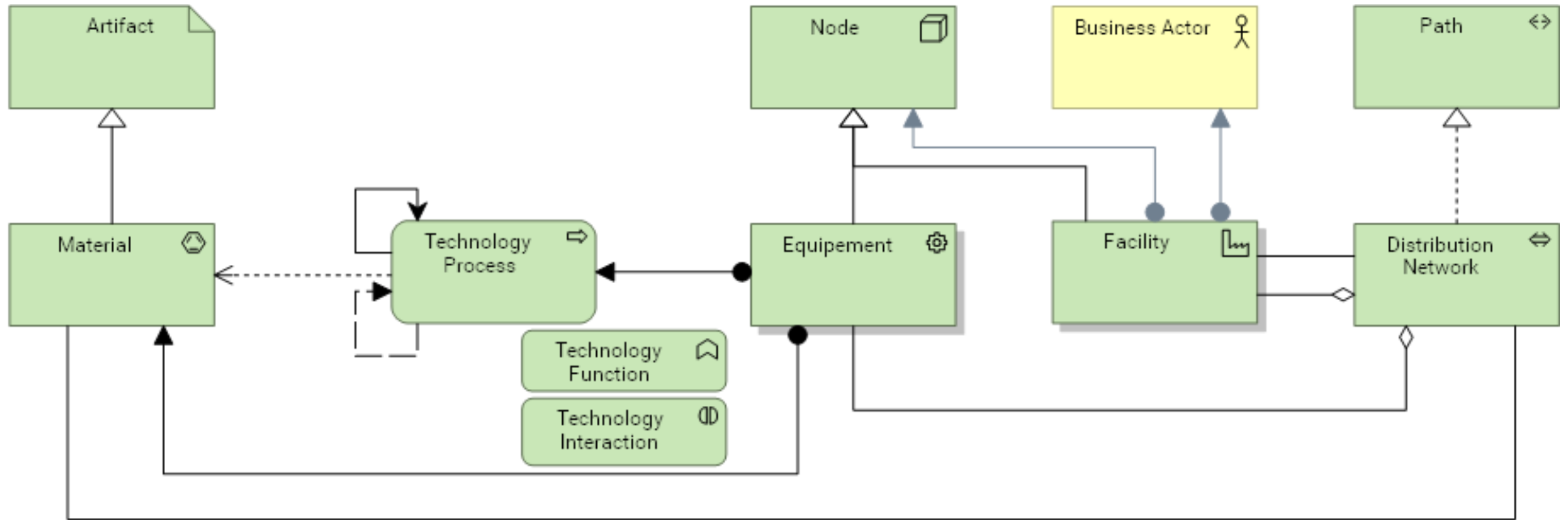# Business Layer (simplified)

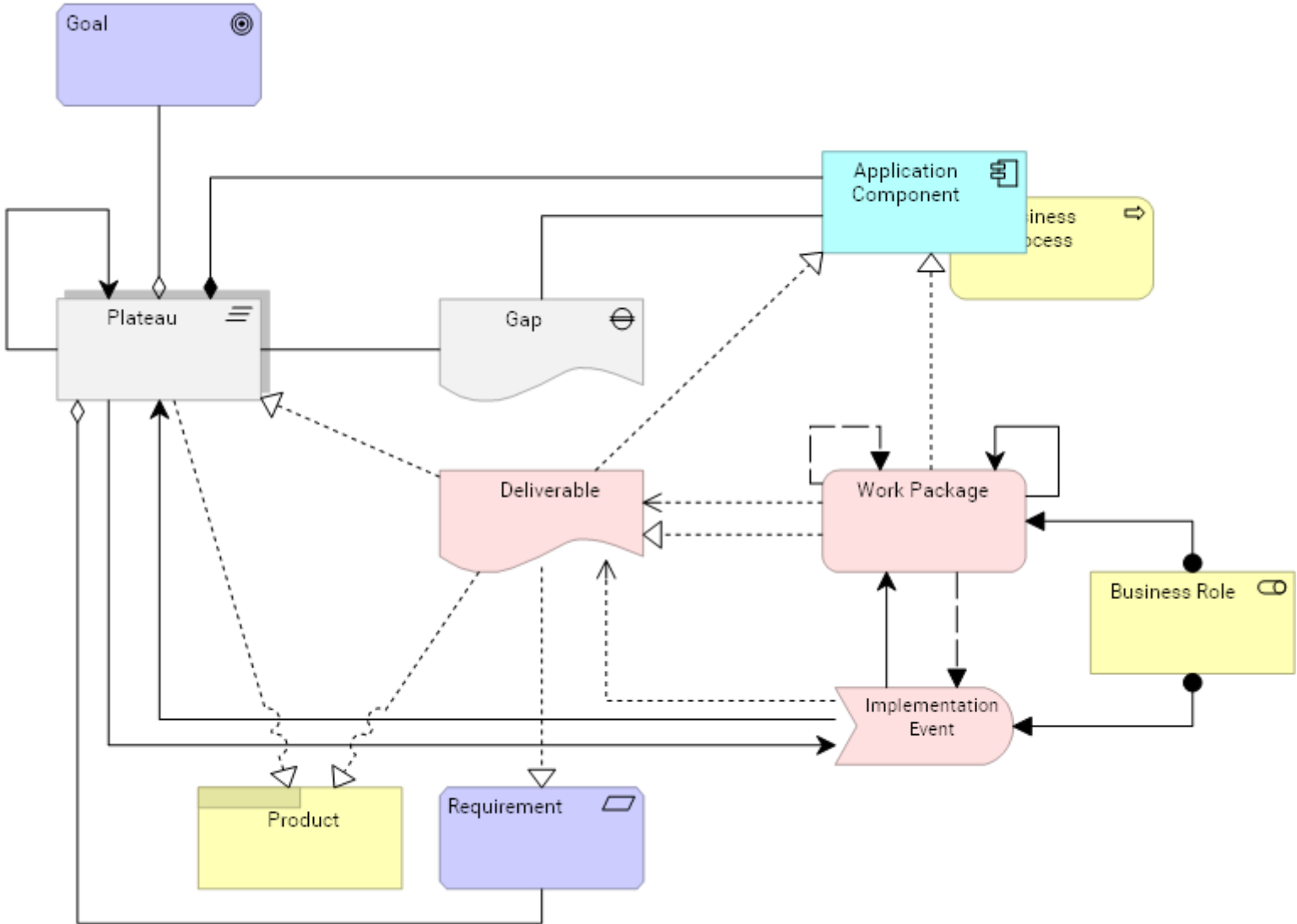# Application Layer (simplified)
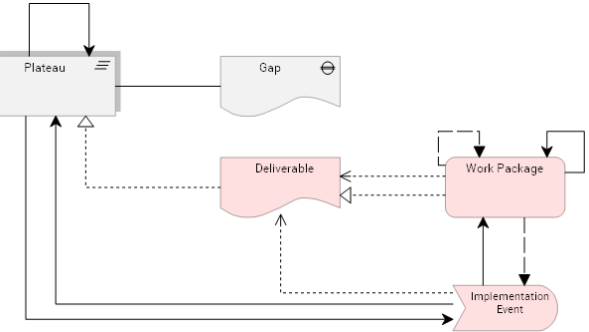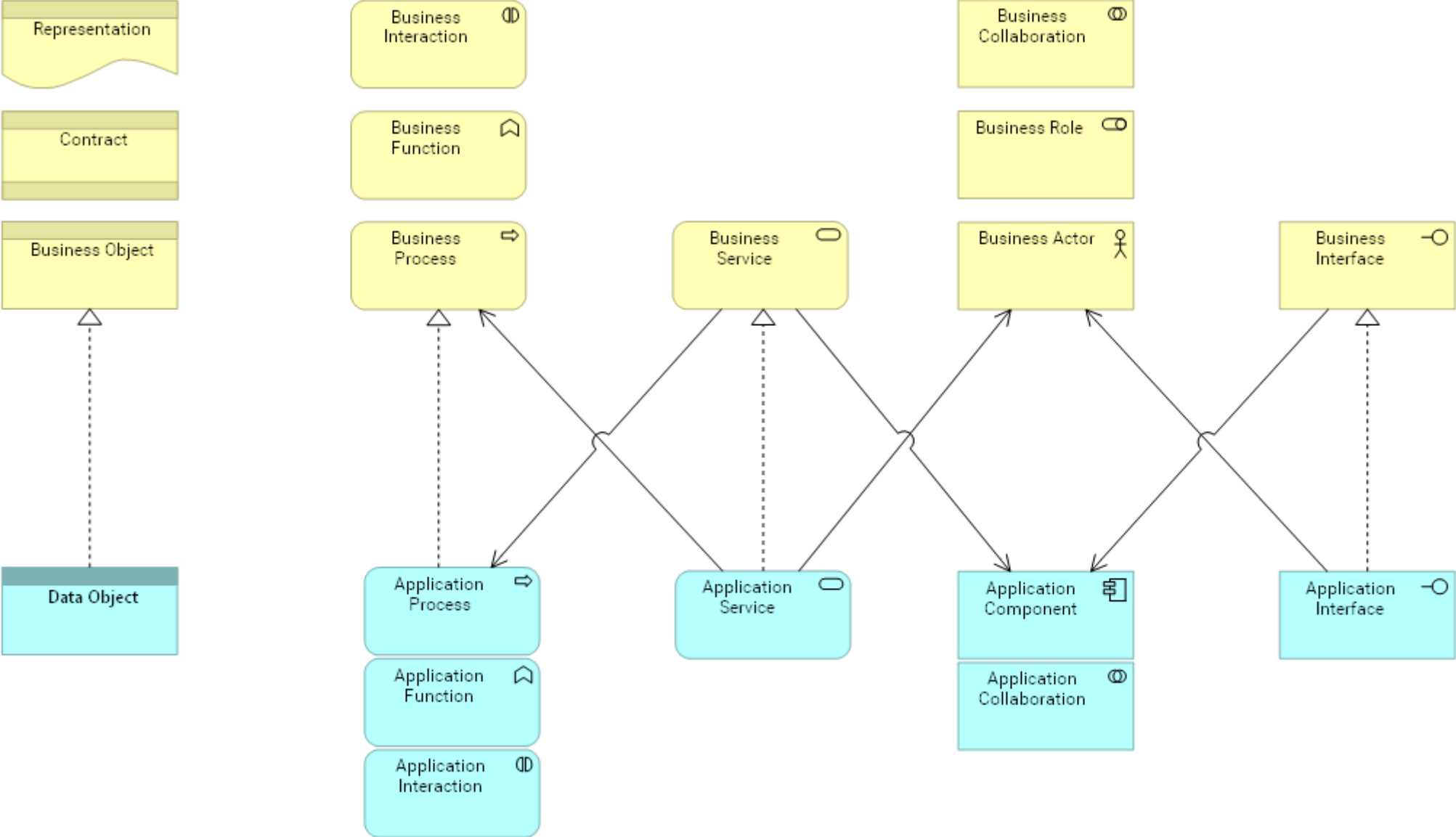
Technology Layer (simplified)
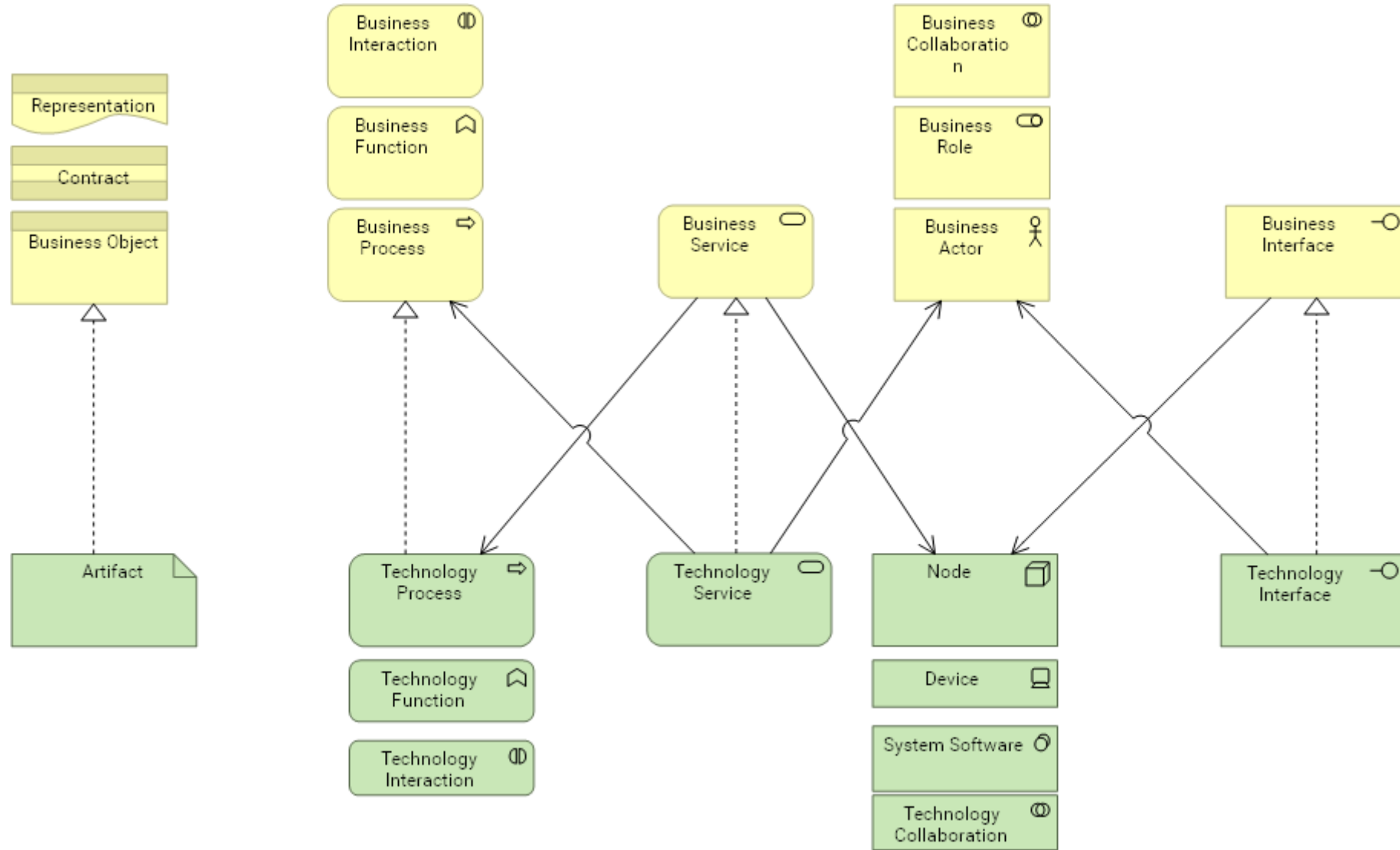
Physical Layer (simplified)
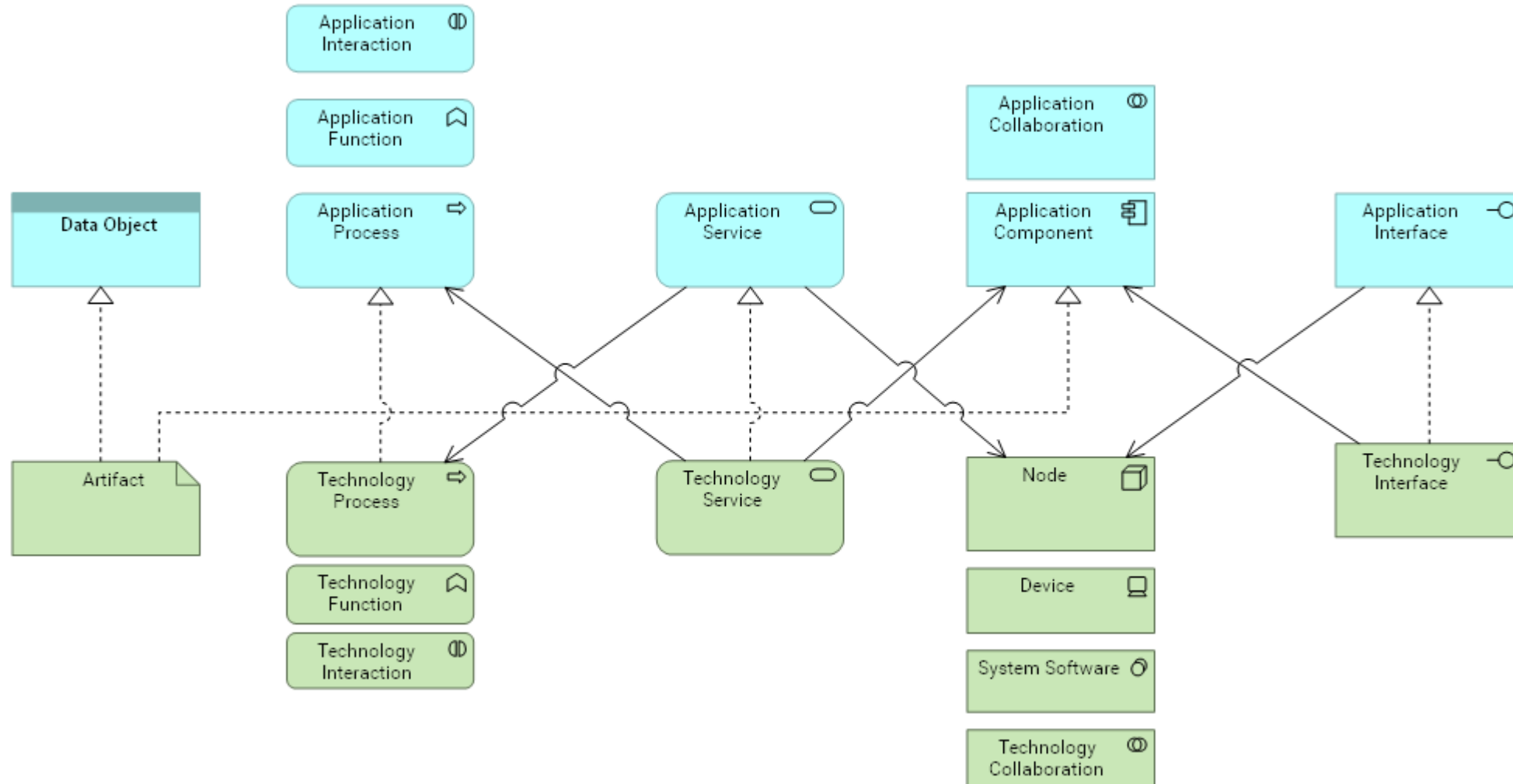
Implementation and Migration Layer (simplified)

Cross Layer : Business / application
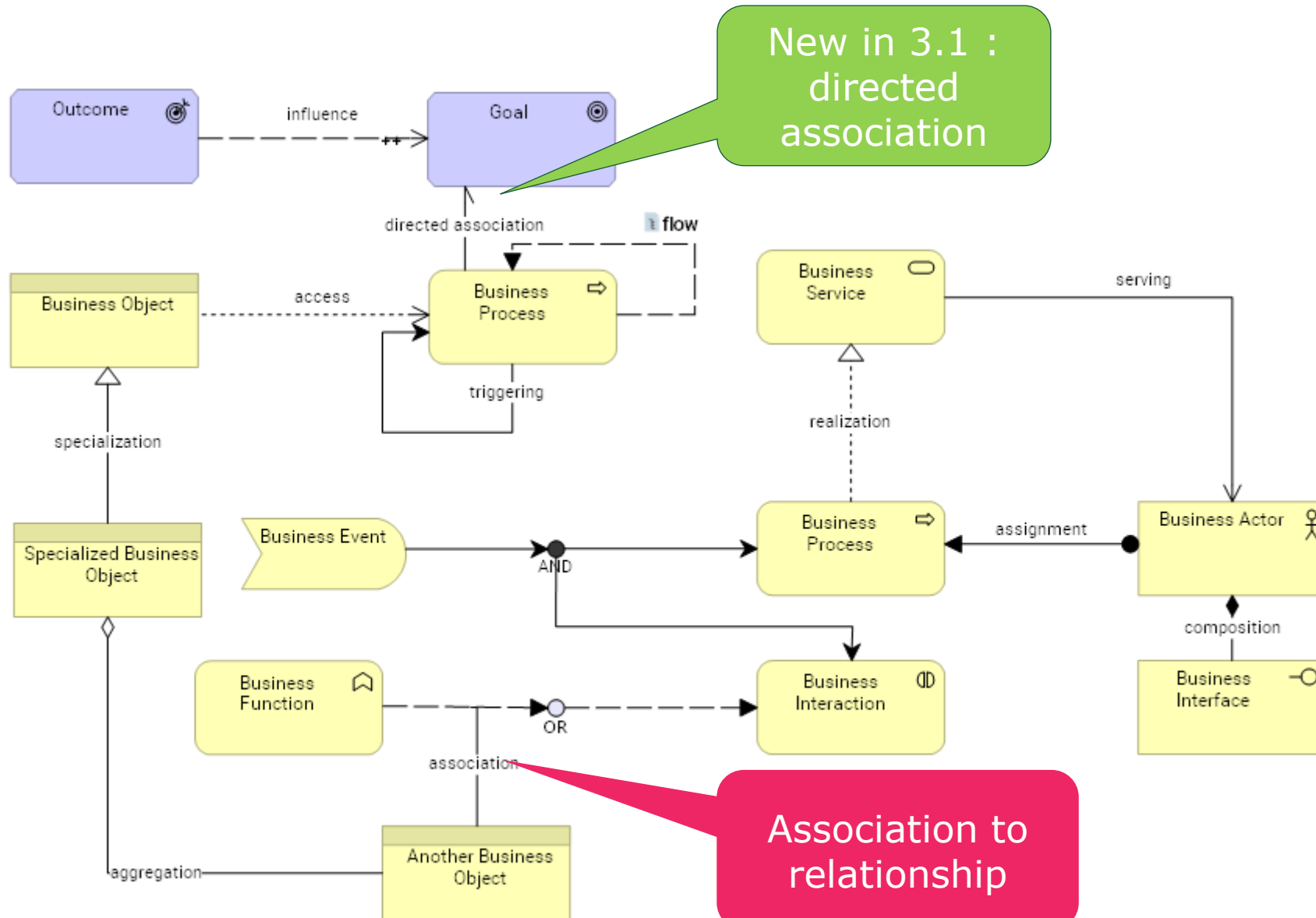
Cross layer : business / technology

Cross Layer : application / technology

Relationships

Relationships

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NEW in 3.1 - Association – new « Is Directed » attribute

- Association direction
  - Set by right click or properties
  - Visible in diagram
  - Managed in import / export tools

In association right click

In association relationships properties

Derived relationships
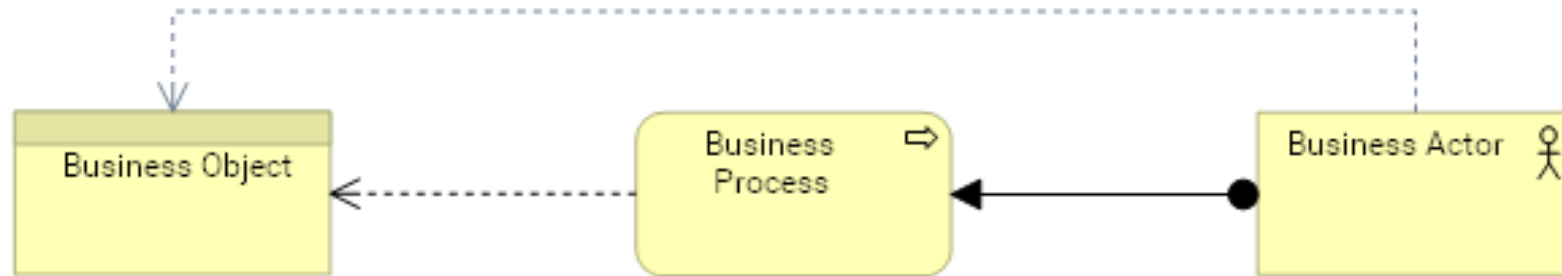
Nesting support

- A pop-up window proposes the relevant relationships (structural + access + specialization) when drag and dropping an object within another object
  - If there is only one possibility, the relationship creation is silent

- Multiple selection is supported, both for same object types or heterogenous object types
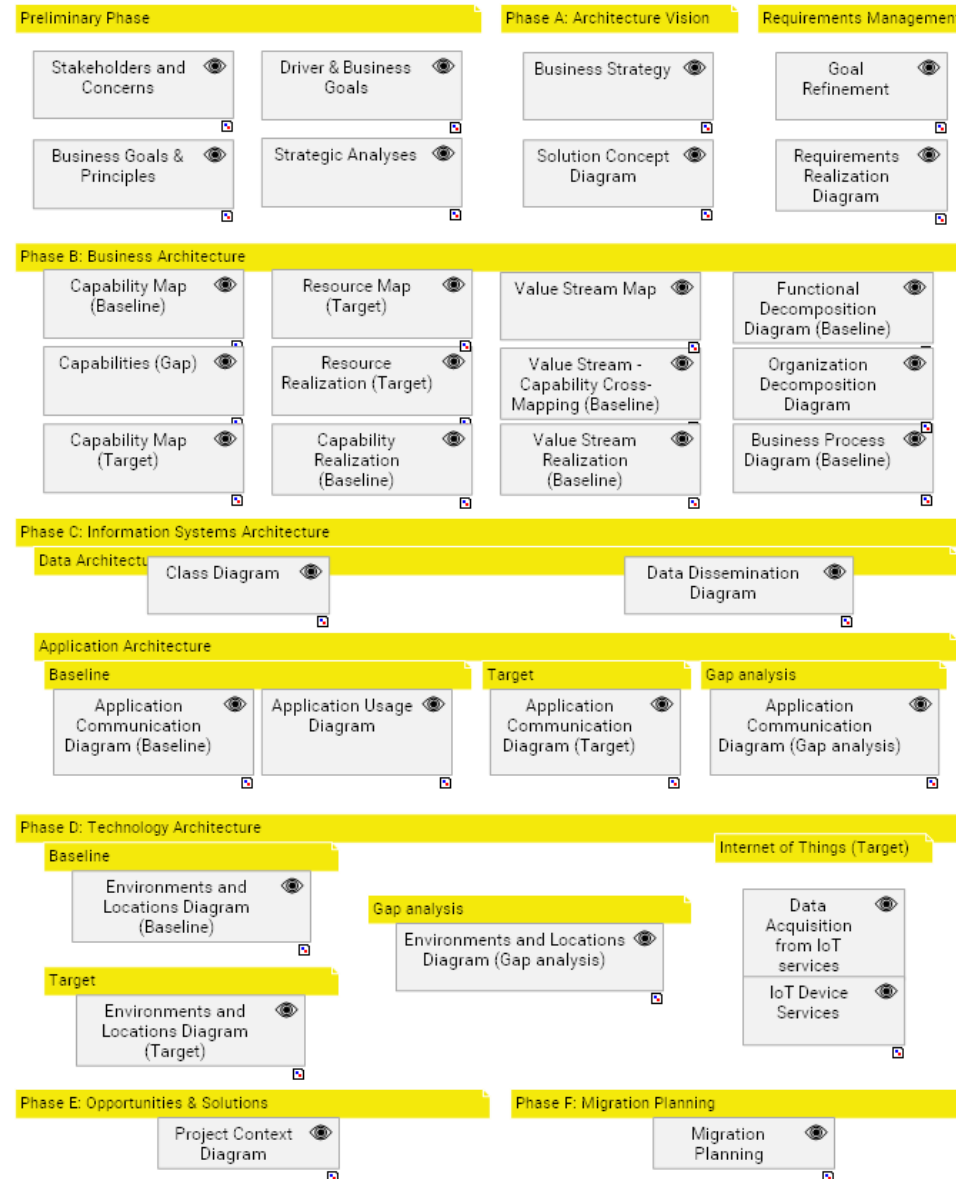 - The relationship type is asked for each link
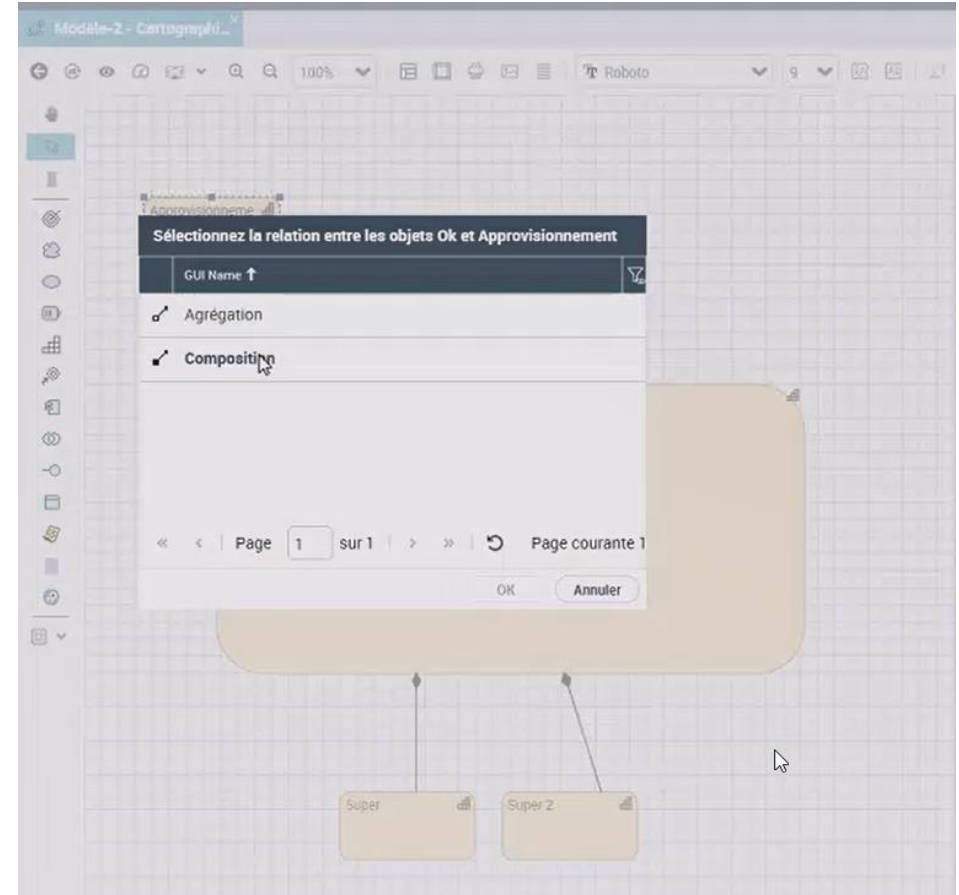
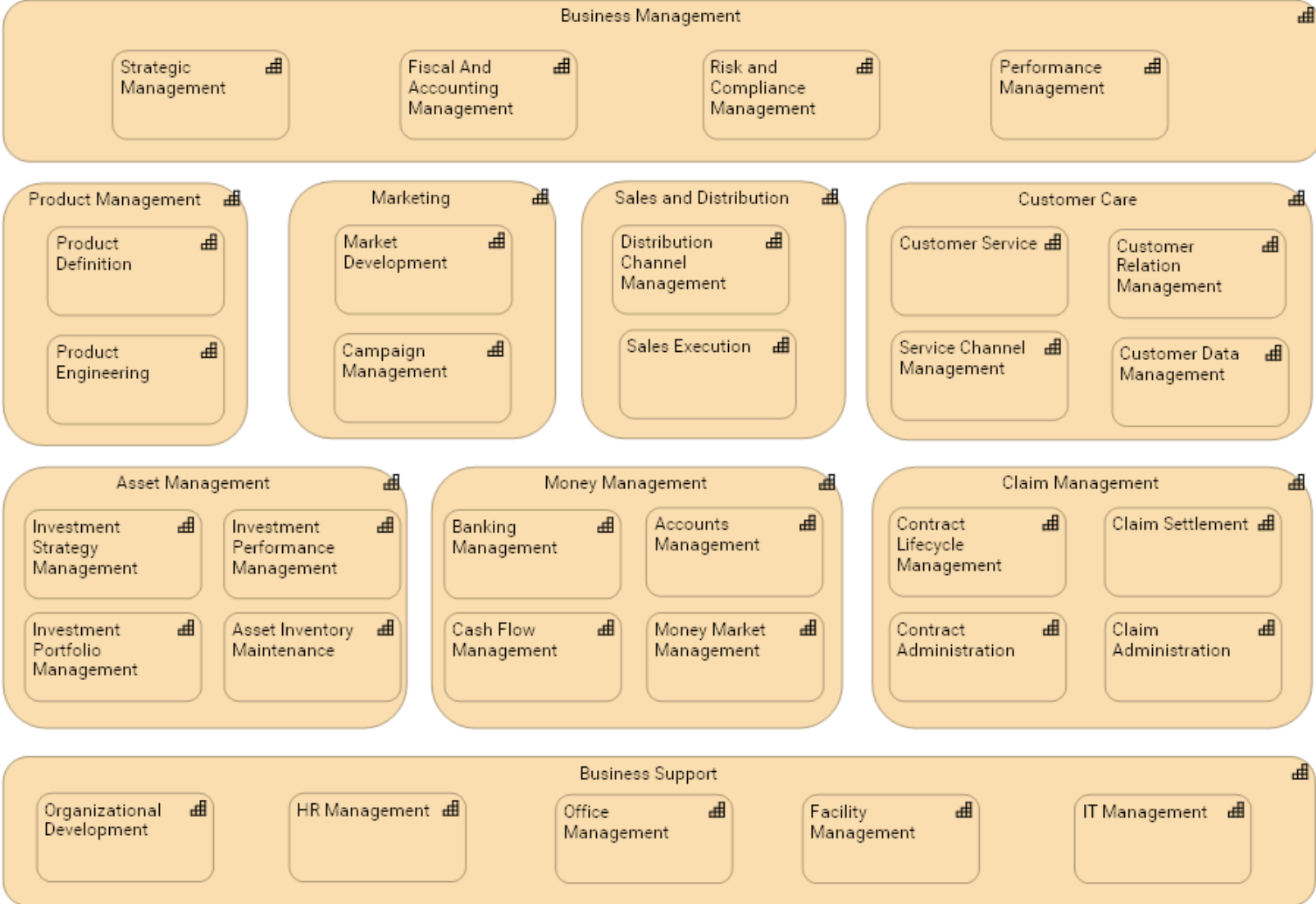# ArchiSurance 3.1 Viewpoints
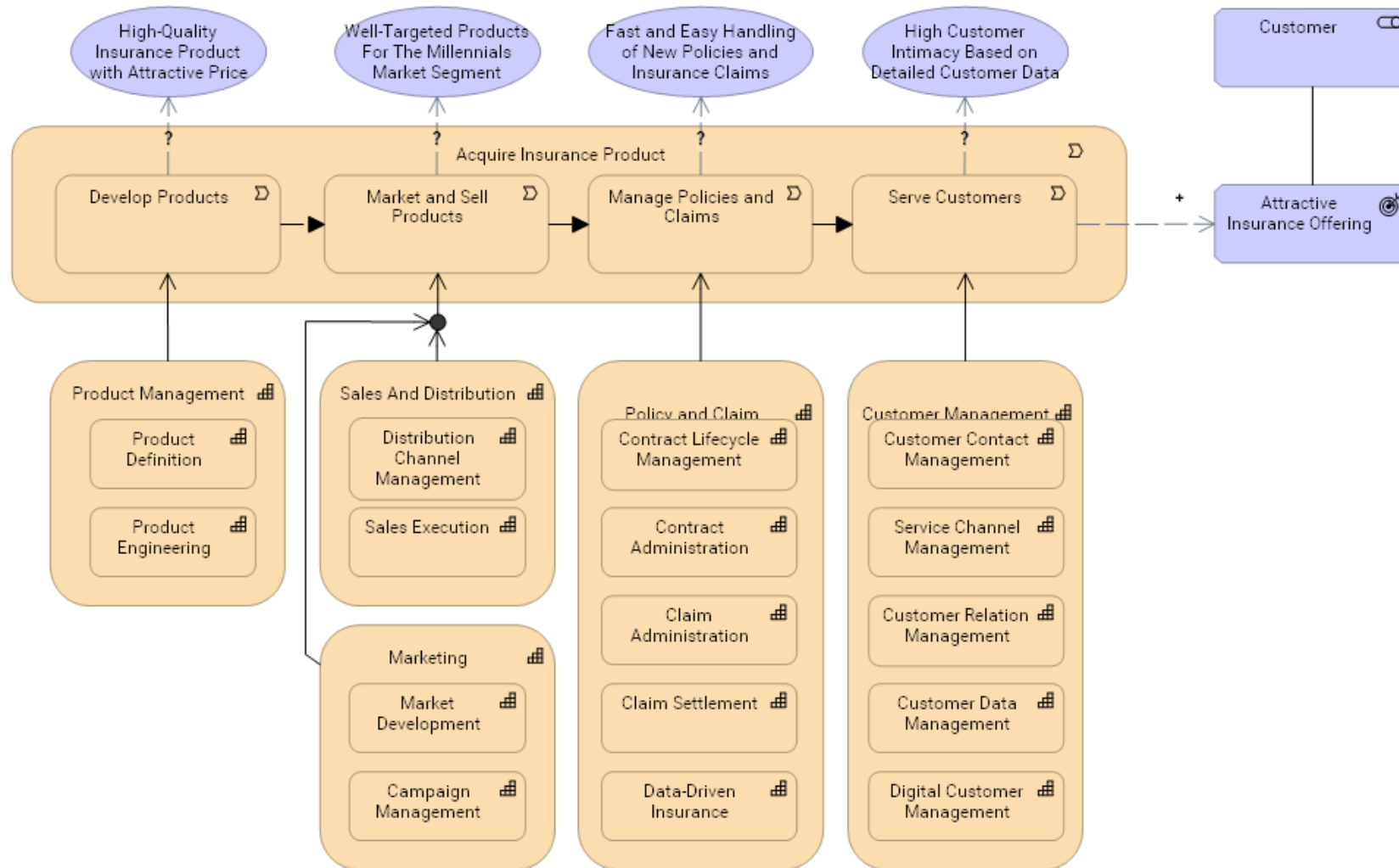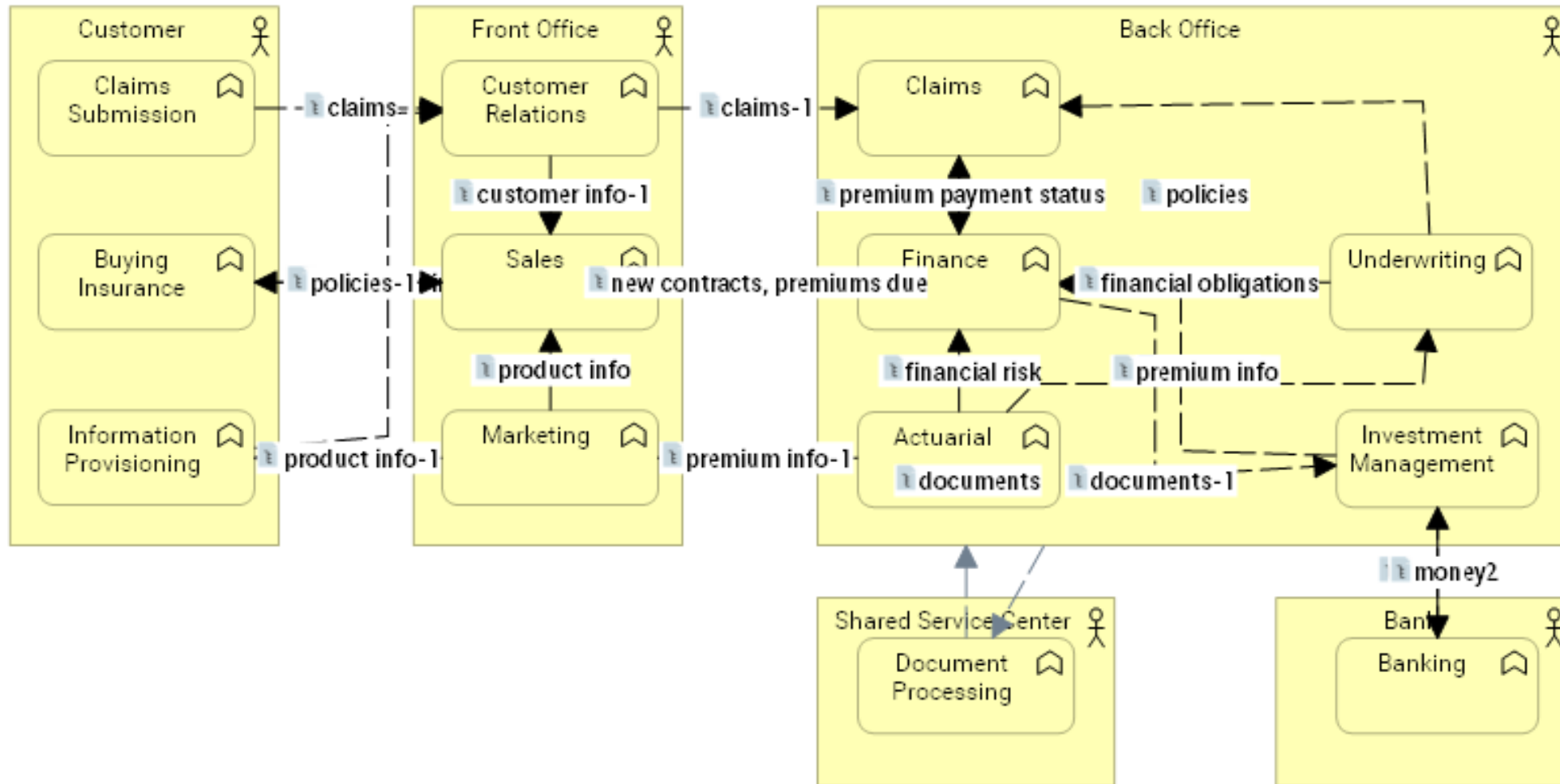
(extract)

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Architecture Overview

Motivation – Drivers and Business Goals

Strategy – Capability Map

Business Management
- Strategic Management
- Fiscal And Accounting Management
- Risk and Compliance Management
- Performance Management

Product Management
- Product Definition
- Product Engineering

Marketing
- Market Development
- Campaign Management

Sales and Distribution
- Distribution Channel Management
- Sales Execution

Customer Care
- Customer Service
- Customer Relation Management
- Service Channel Management
- Customer Data Management

Asset Management
- Investment Strategy Management
- Investment Performance Management
- Investment Portfolio Management
- Asset Inventory Maintenance

Money Management
- Banking Management
- Accounts Management
- Cash Flow Management
- Money Market Management

Claim Management
- Contract Lifecycle Management
- Claim Settlement
- Contract Administration
- Claim Administration

Business Support
- Organizational Development
- HR Management
- Office Management
- Facility Management
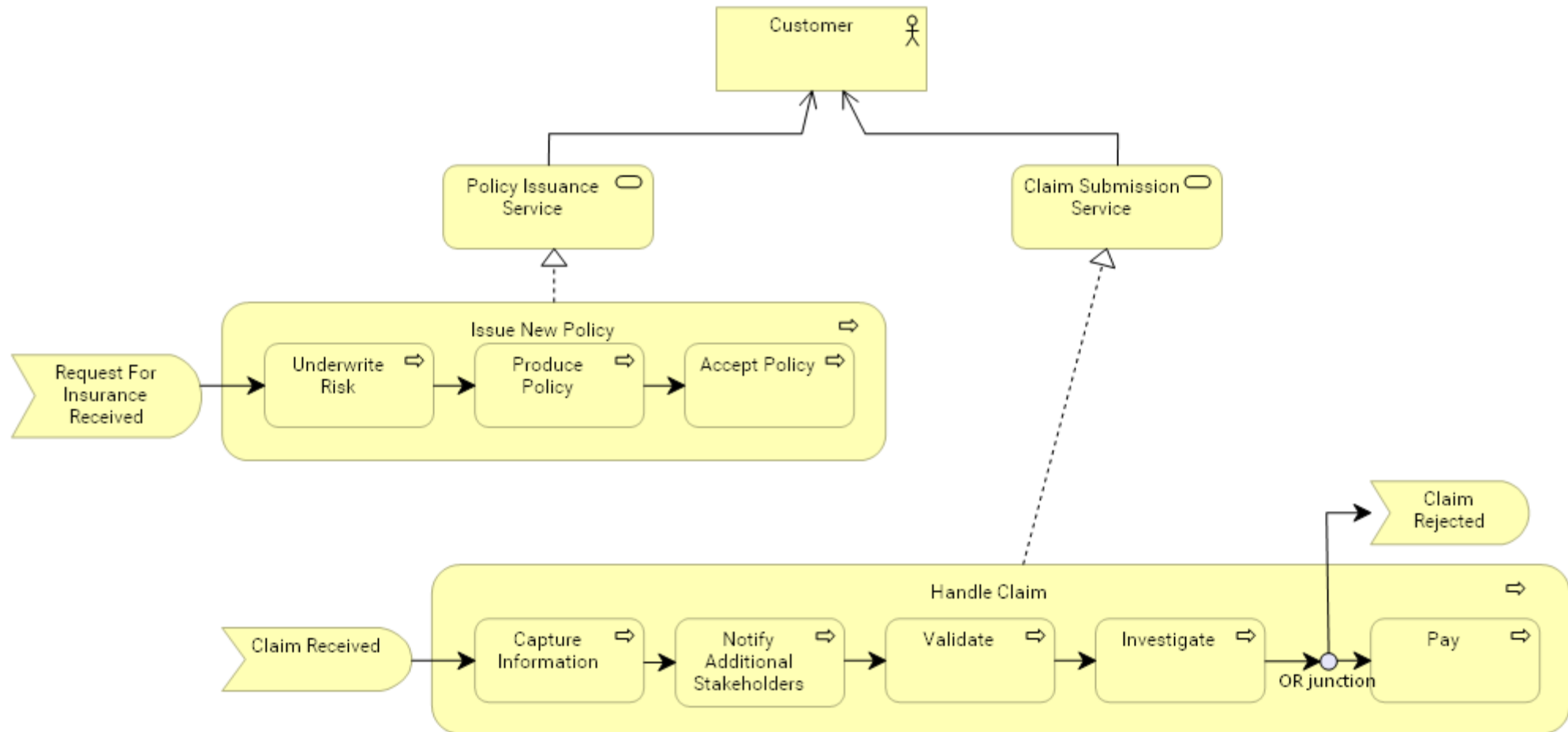- IT Management

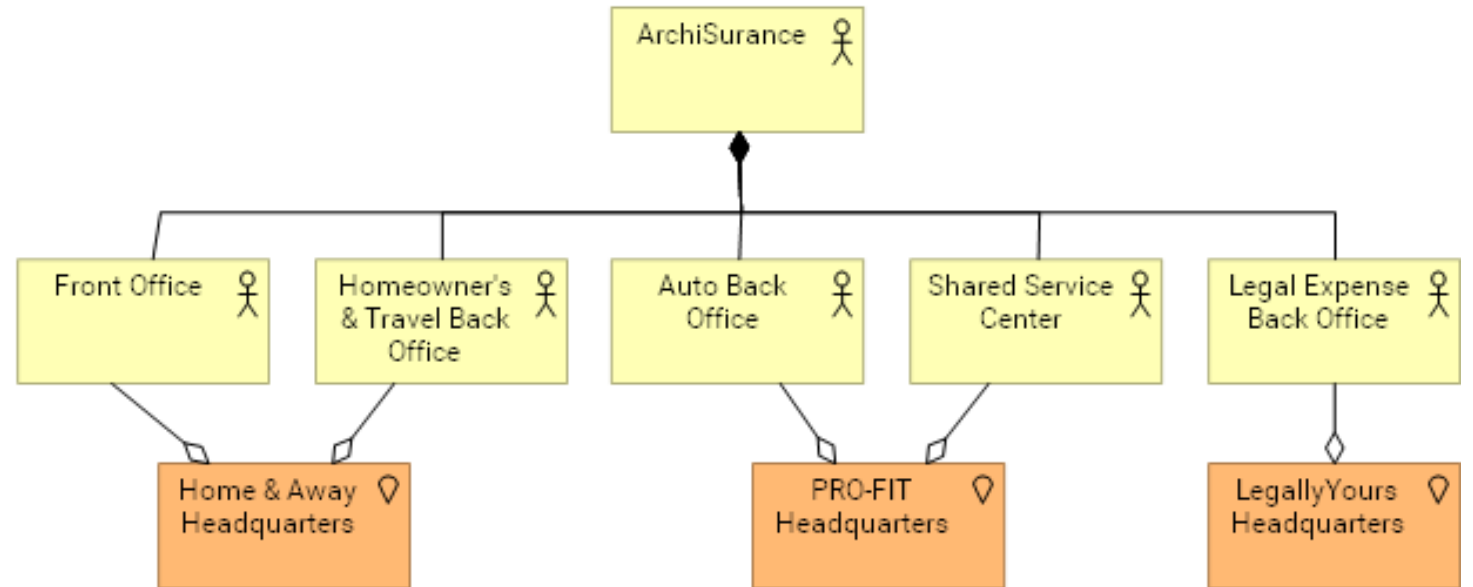MEGA

NEW in 3.1 - Strategy – Value Stream
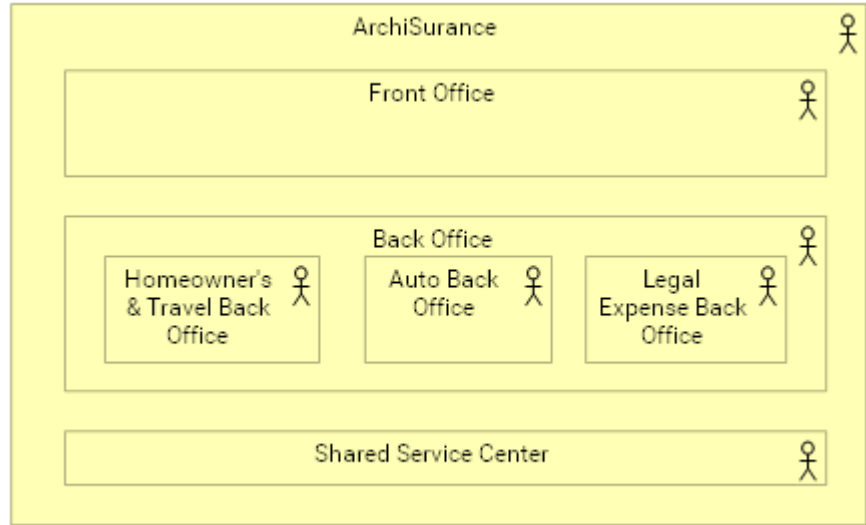
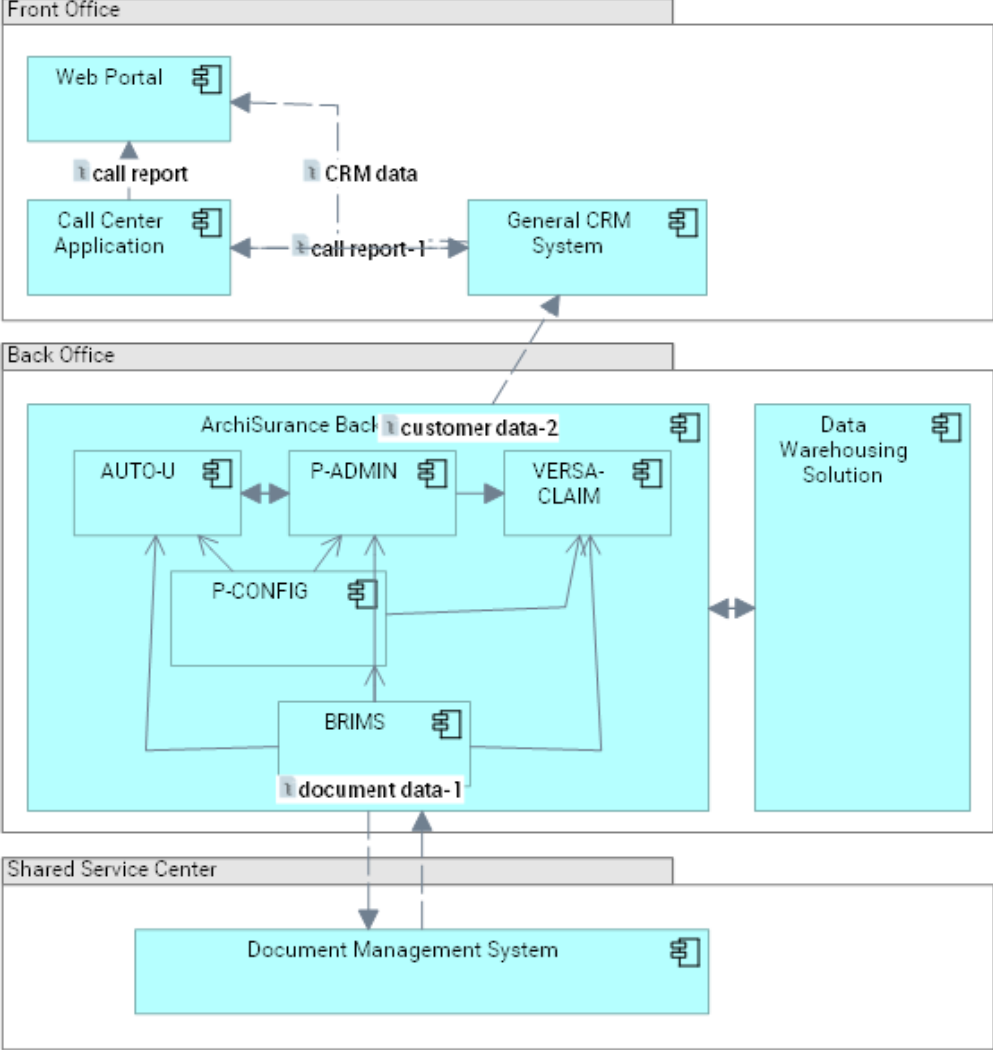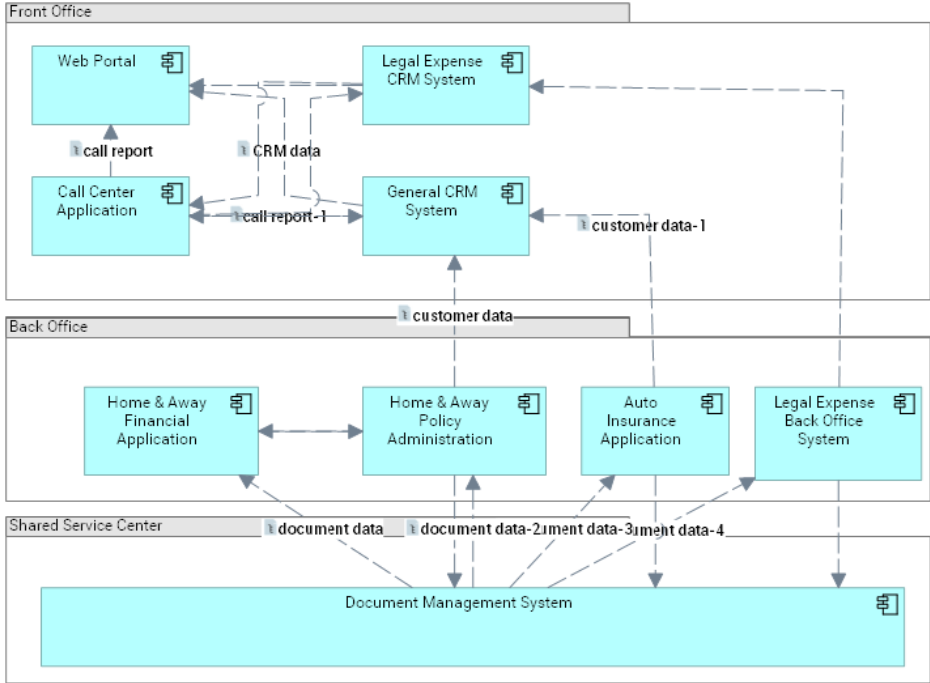# Business Architecture - Functional Decomposition
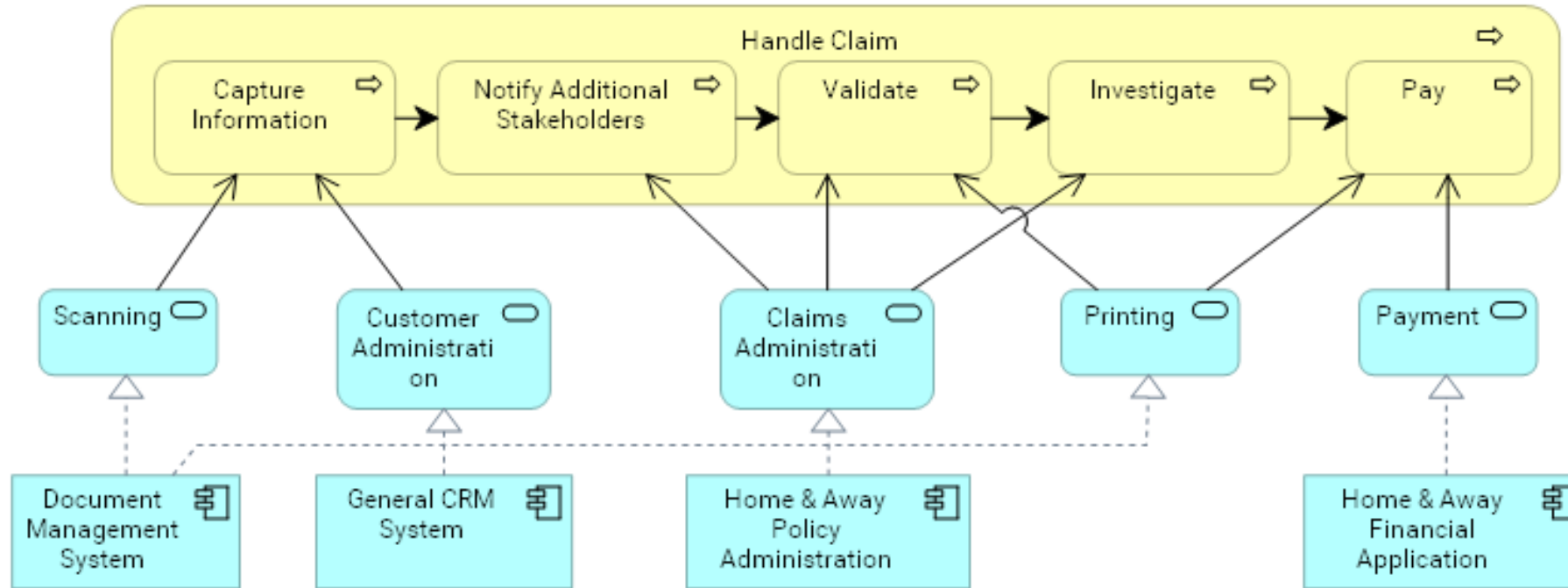
Business Architecture - Business Process

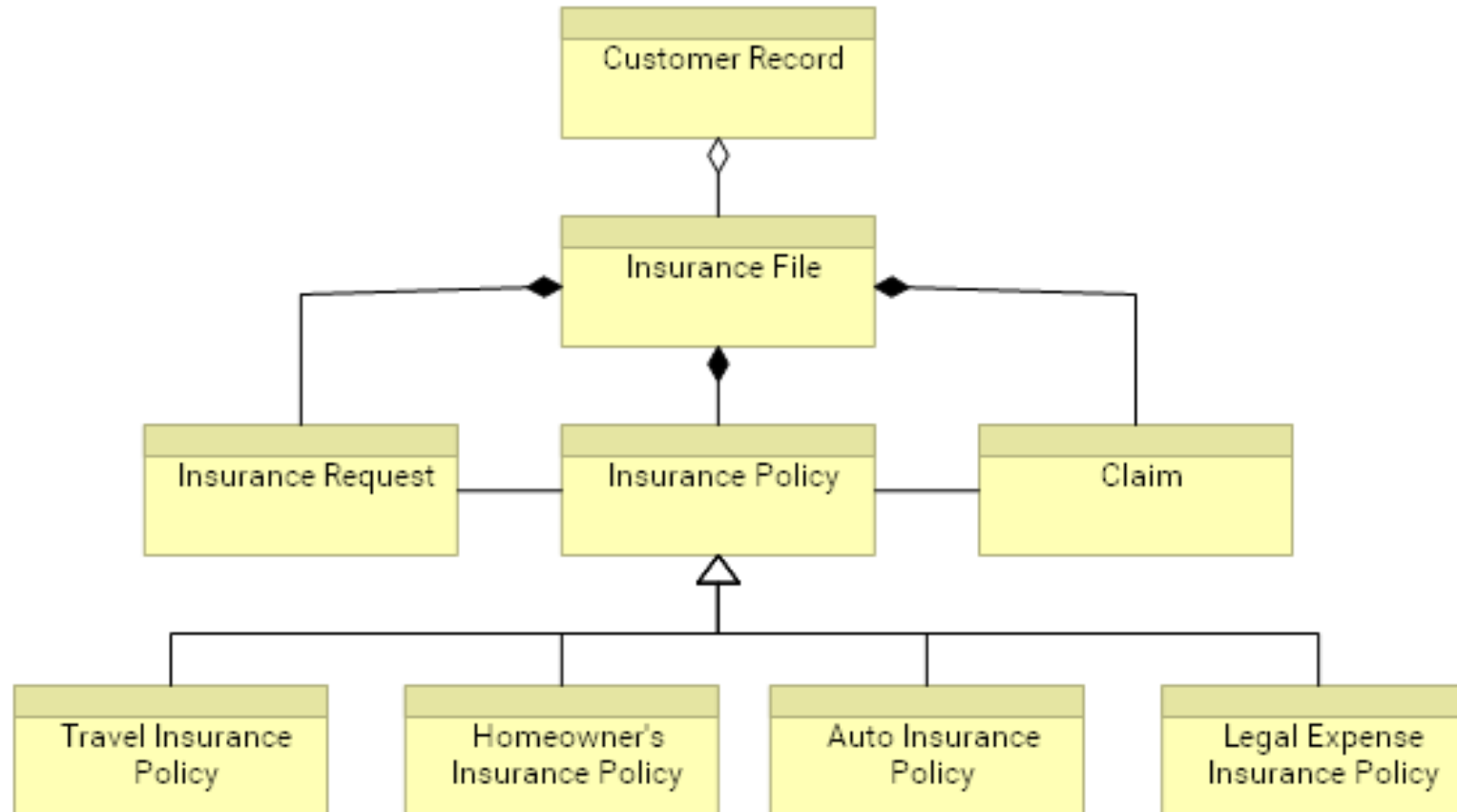# Business Architecture - Organization Structure

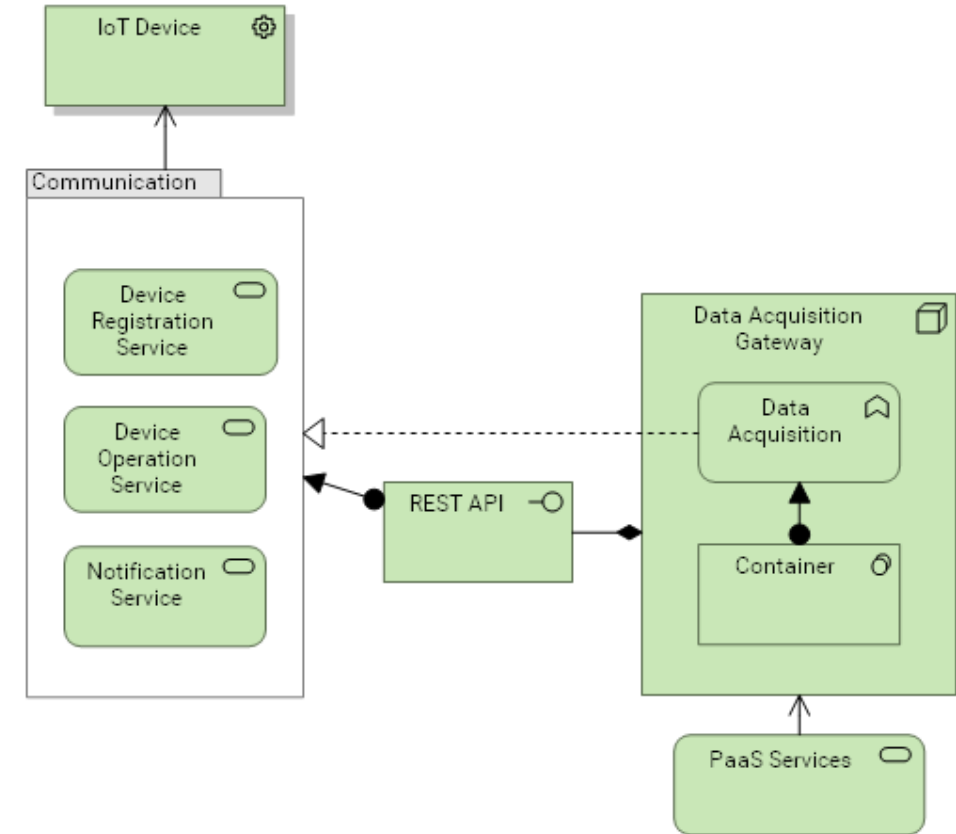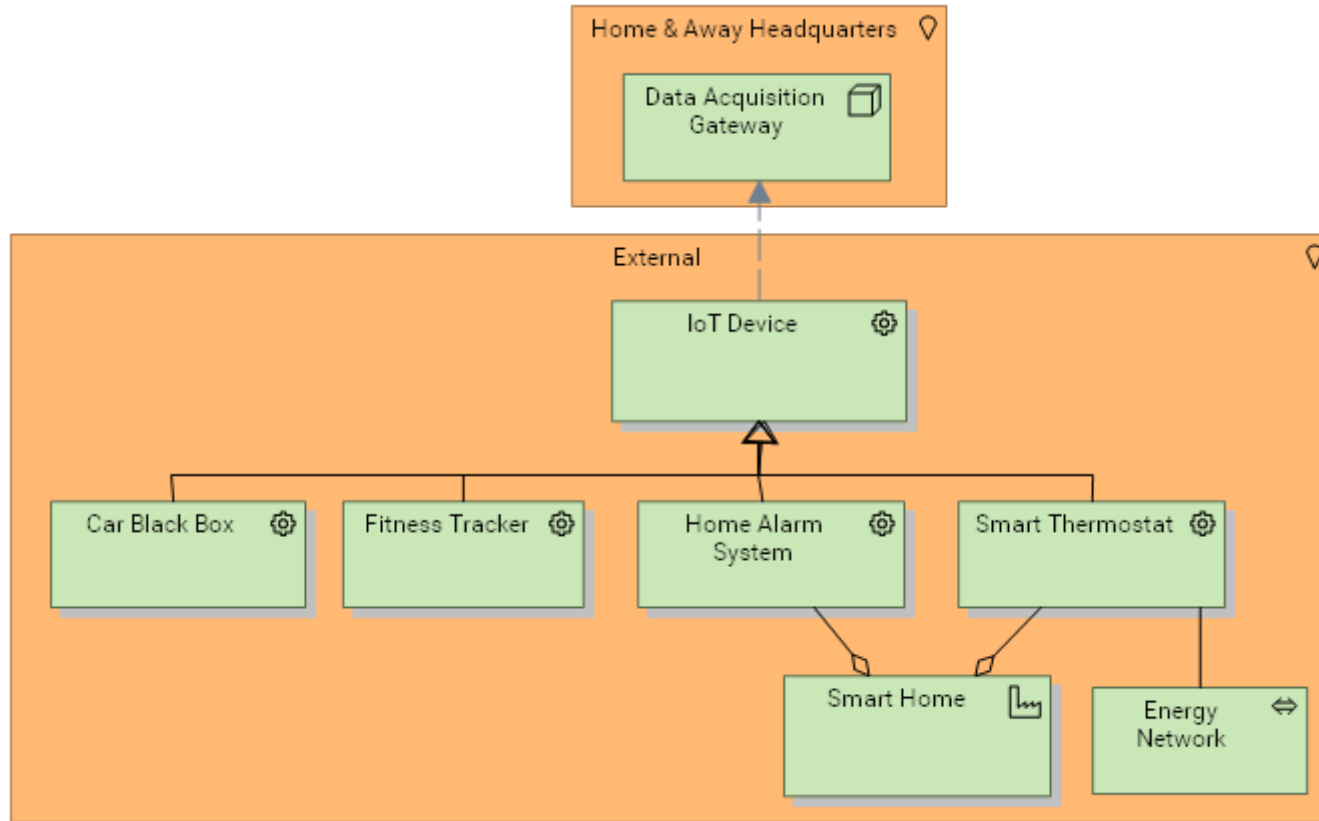# IT Architecture - Applications Communications

BIZ / IT Architecture - Application Usage
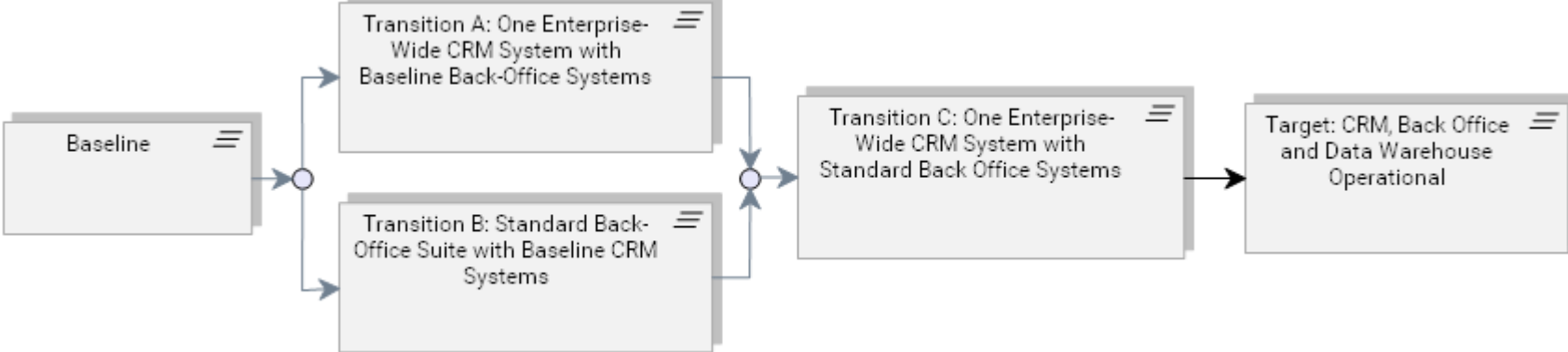
Data Architecture - Information Structure

Technology Architecture - Technology

Implementation & Migration
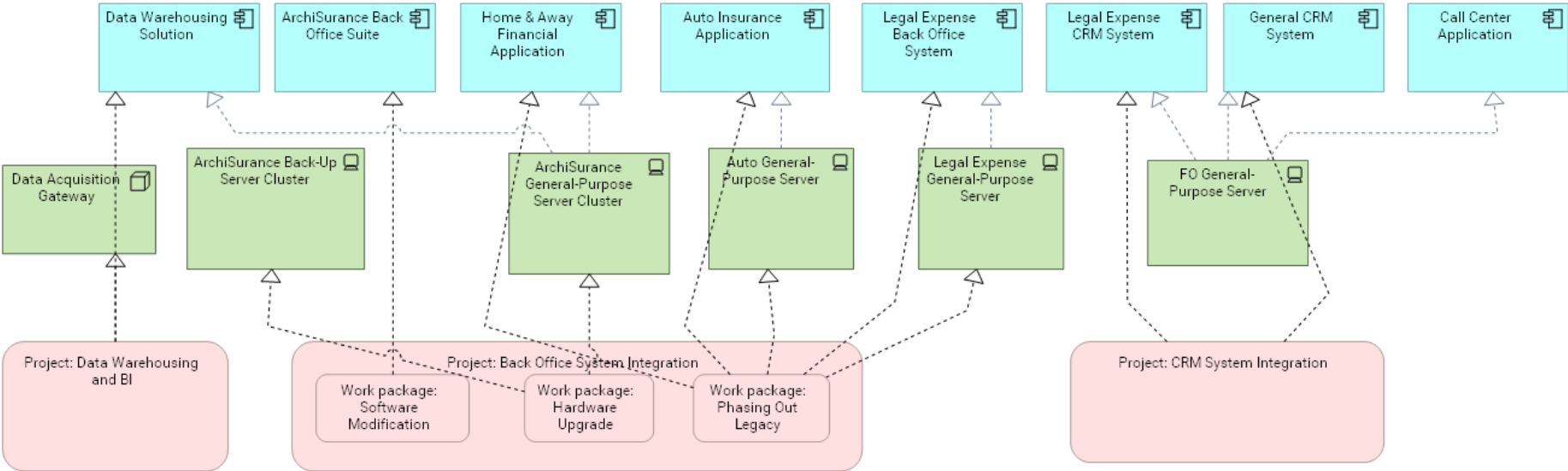

Migration planning

- Baseline
- Transition A: One Enterprise-Wide CRM System with Baseline Back-Office Systems
- Transition B: Standard Back-Office Suite with Baseline CRM Systems
- Transition C: One Enterprise-Wide CRM System with Standard Back Office Systems
- Target: CRM, Back Office and Data Warehouse Operational

Project Context Diagram

- Data Warehousing Solution
- ArchiSurance Back Office Suite
- Home & Away Financial Application
- Auto Insurance Application
- Legal Expense Back Office System
- Legal Expense CRM System
- General CRM System
- Call Center Application

- Data Acquisition Gateway
- ArchiSurance Back-Up Server Cluster
- ArchiSurance General-Purpose Server Cluster
- Auto General-Purpose Server
- Legal Expense General-Purpose Server
- FO General-Purpose Server

- Project: Data Warehousing and BI
- Project: Back Office System Integration
  - Work package: Software Modification
  - Work package: Hardware Upgrade
  - Work package: Phasing Out Legacy
- Project: CRM System Integration

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Viewpoint Mechanism

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Viewpoint Definition

- The viewpoint definition is declarative so that users can create their own viewpoints
- A viewpoint is defined by the selection of metaclasses to be displayed in the toolbar E.g.
  - the "Layered" viewpoint is defined by enabling all ArchiMate Concepts visibility
  - The "Capability Map' viewpoint is defined by enabling Capability, Outcome, Resource and Relationships

viewpoint

Concepts allowed in viewpoint

Concepts allowed in viewpoint

View Creation Wizard

- When creating a new view for a model, the applicable viewpoint can be selected
- This automatically activates the available "diagram views" in the ArchiMate diagram and opens the diagram with the corresponding toolbar
  - This is not restrictive; the user can activate / deactivate relevant "diagram views" in a diagram w/o having to change the viewpoint
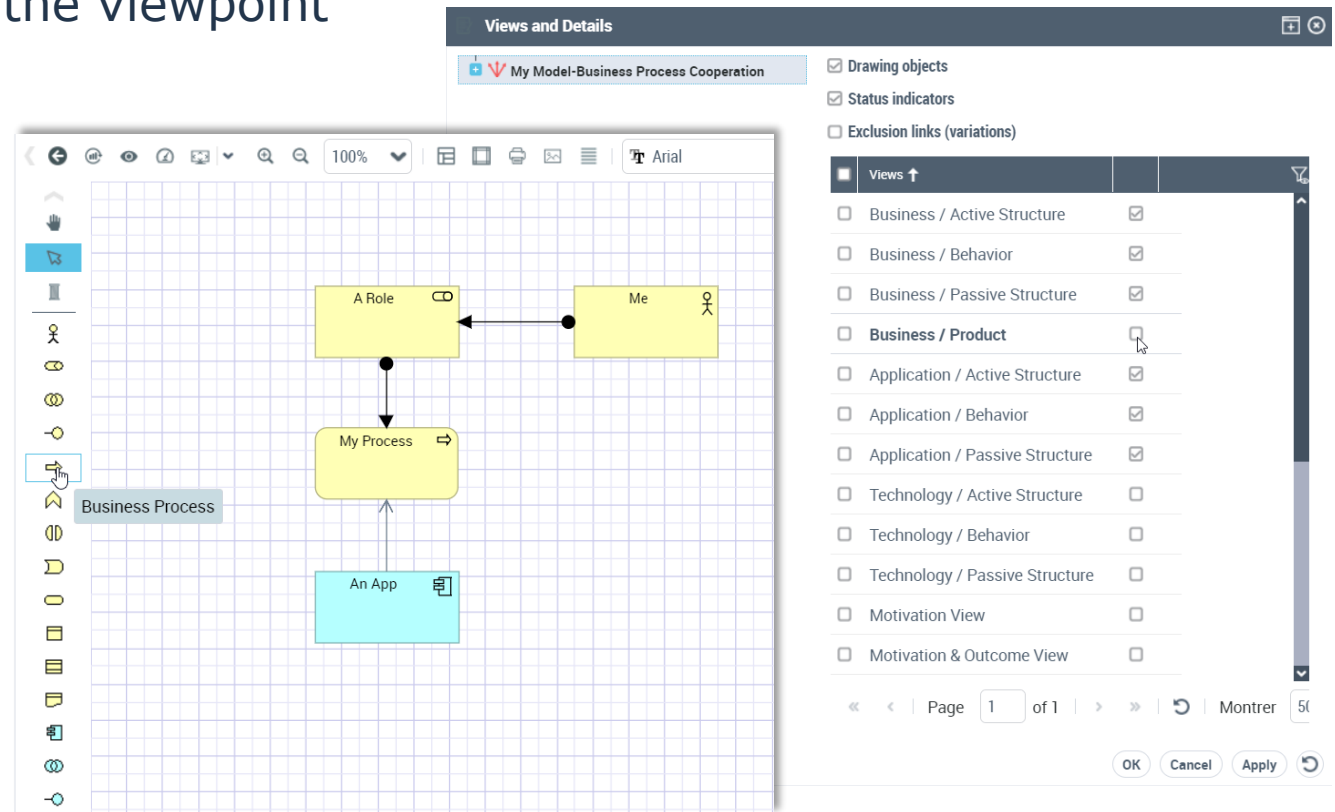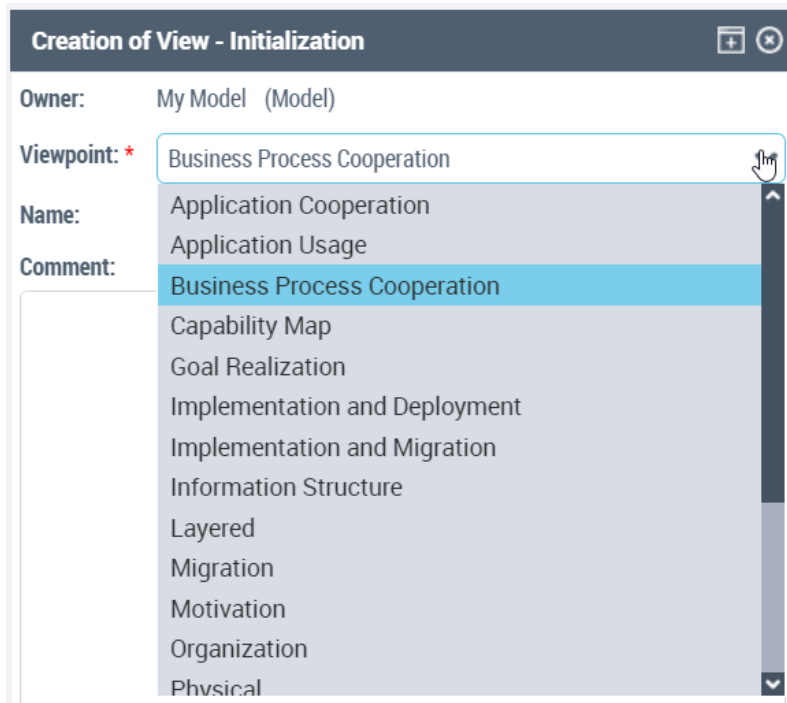
Properties

Properties

- Properties can be user defined within a model, in applicable formats (e.g. "Production Date", in Date format)

- For a given property, the applicable concept can be defined (e.g. "Production Date" applies to Application Component only)

- The properties is then listed in the applicable elements' property page
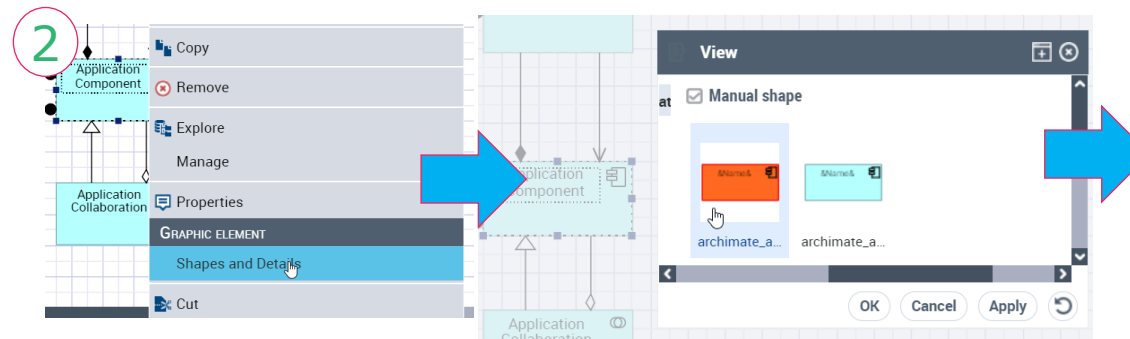
Appendix

Shapes Color changing

- Alternative shapes with different color settings can be defined for any ArchiMate shape through the HOPEX Studio shape editor, deriving from standard shapes (1)
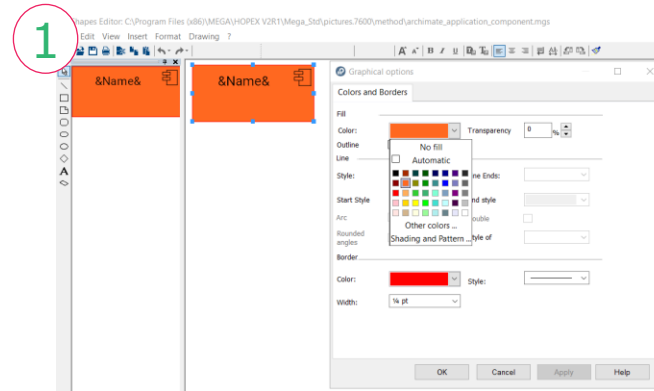
- The end user can access alternative shapes for an element in a diagram by right click > 'shapes and details' (2)
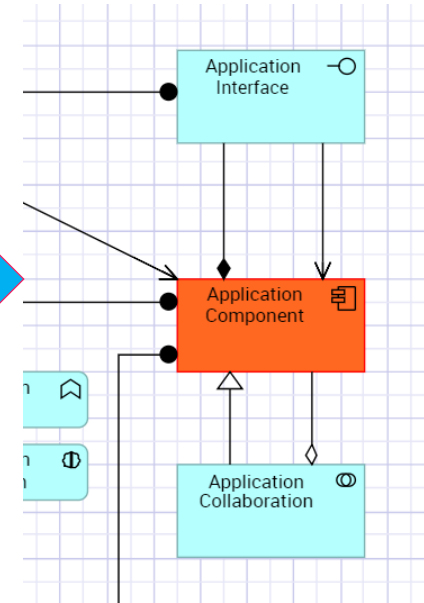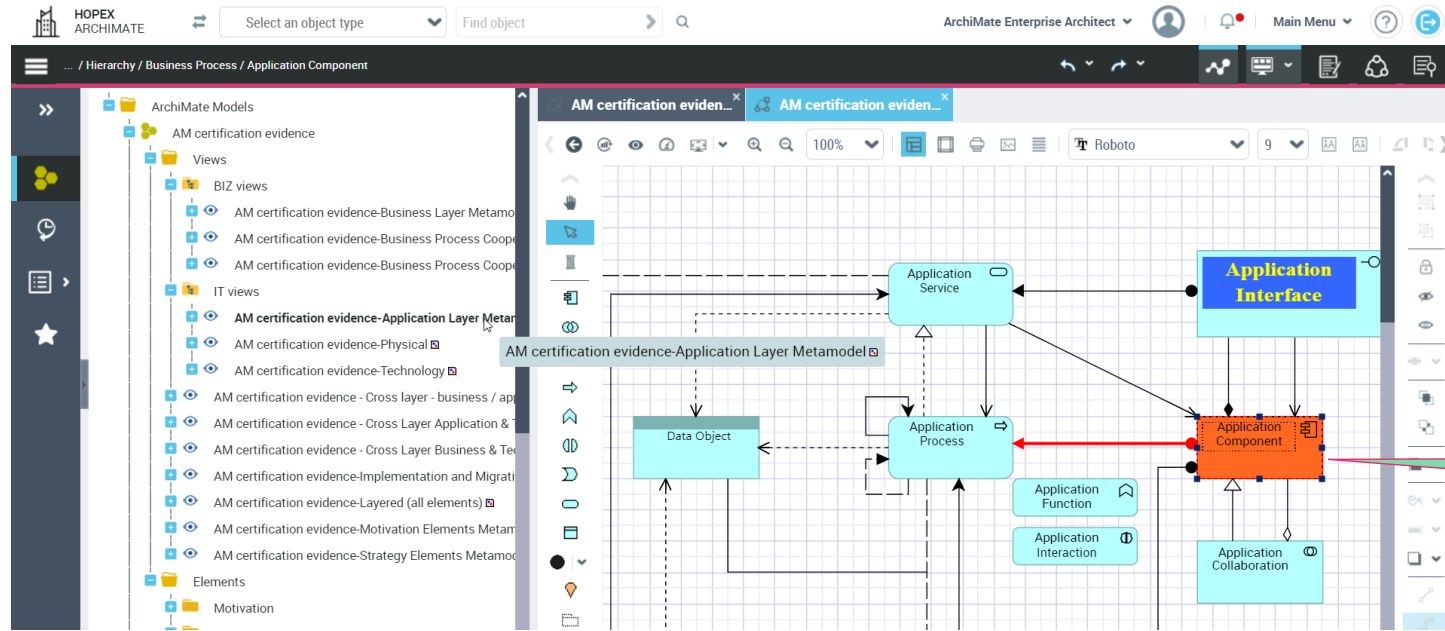
Note: a shape can be automatically computed for an object (e.g. based on a test of an attribute value or link existence) or manually set by the end user
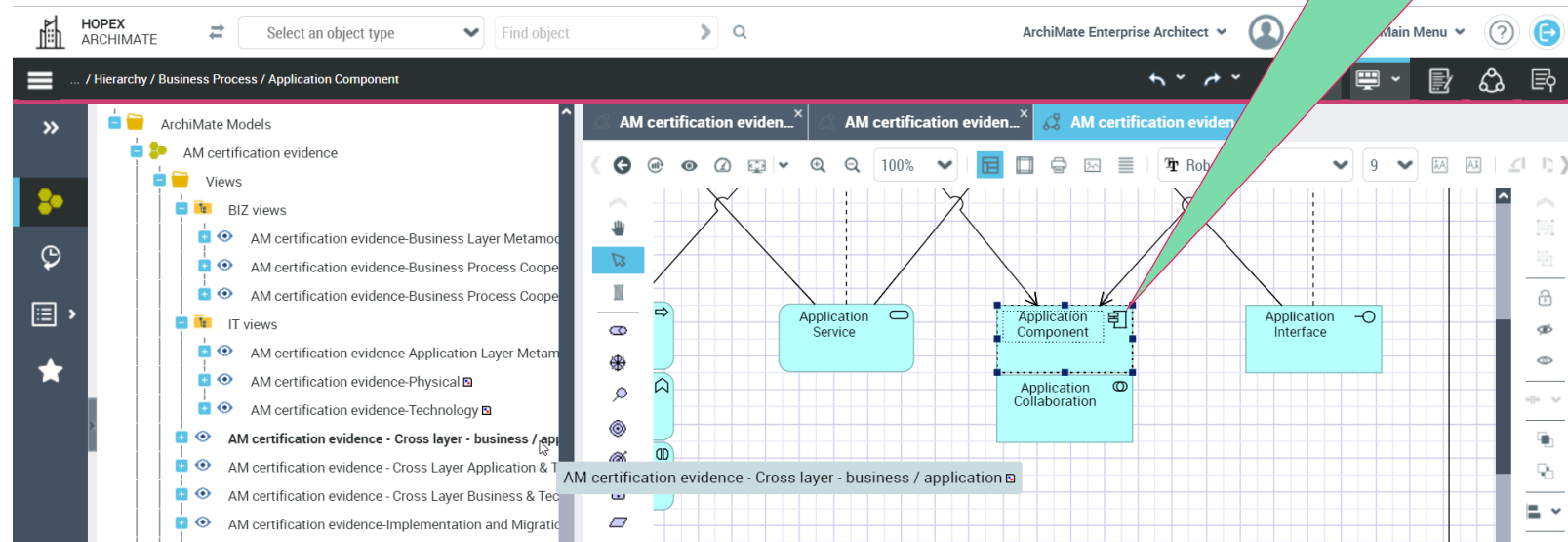
- Otherwise, the objects name font or color / background color can be changed by the end user using MS Office like font controls (3)

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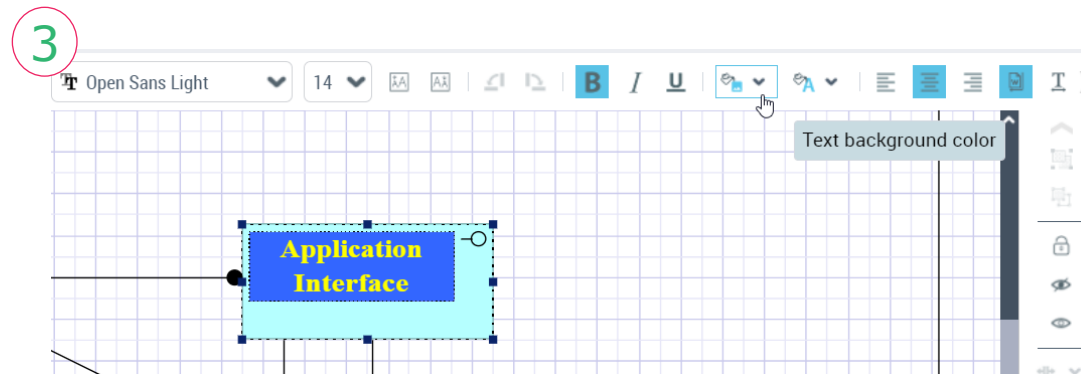
# Diagram specific shapes for the same object

Same object with specific shape in different views / diagrams

Drill up : diagrams containing an object

- Right click on an element > 'diagrams containing object' this element can be reach through a dedicated navigator showing all the diagrams the object appears in
- Additional navigation (drill up, drill down, properties) is then possible via a wheel within this diagram navigator, enabling easy graphical navigation and browsing of diagrams
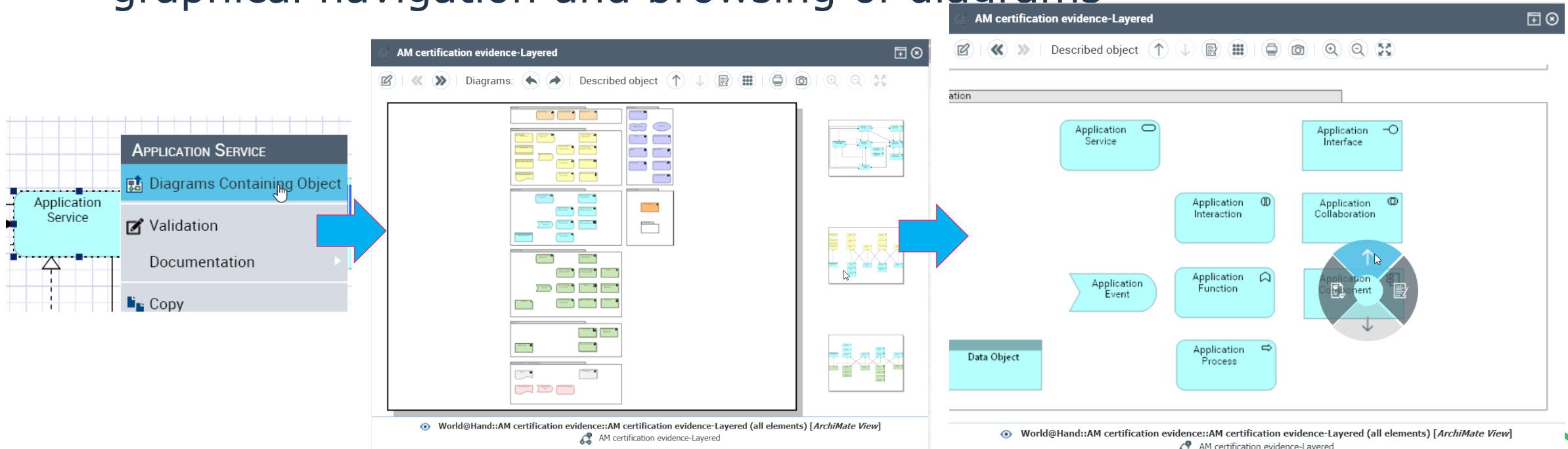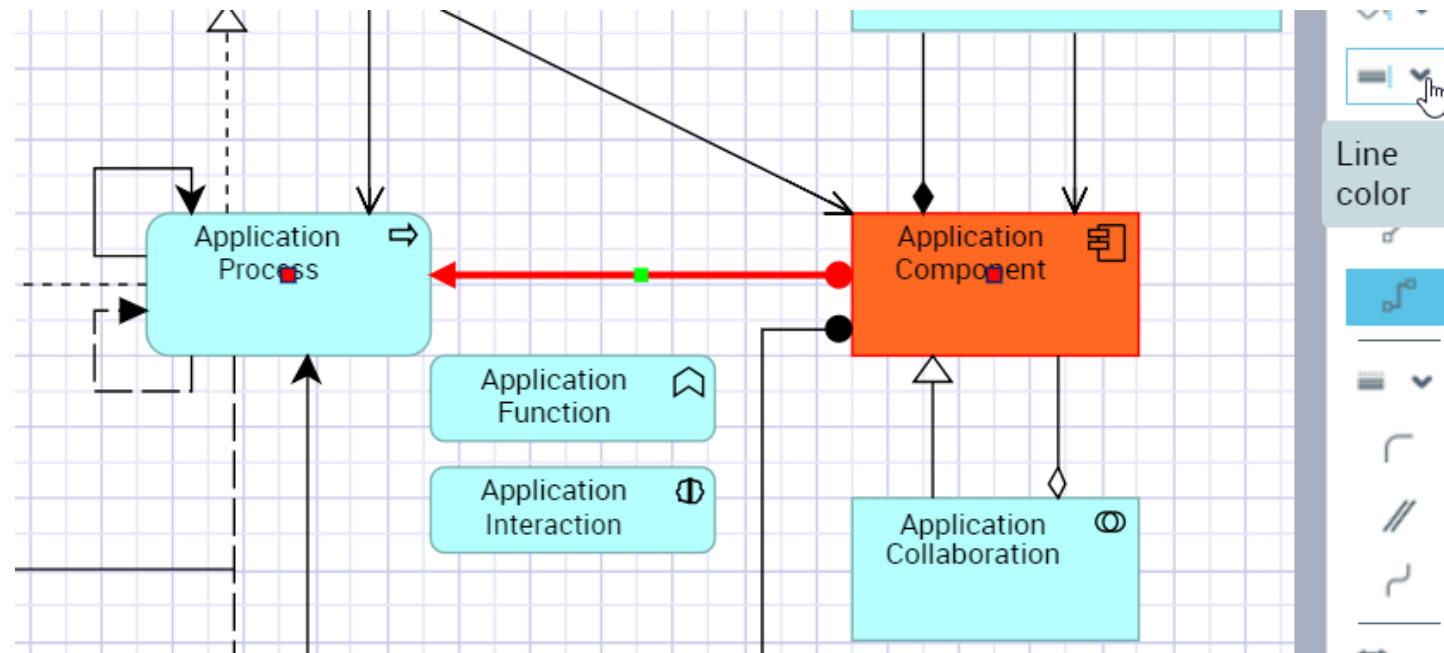
Objects in diagrams

- Object properties (attributes, relationships) are consistently accessible for a given objects, regardless of the diagram it is accessed from

rename

Change of the element reflect in all views

Relationships color & width

- Relationships line color and width can be changed by the end user using MS Office like controls

# From ArchiMate to other notations

- E.g. right click on a 'ArchiMate Business process' allows to reach the BPMN diagram describing the corresponding 'HOPEX Organizational Process' object

BPMN diagram
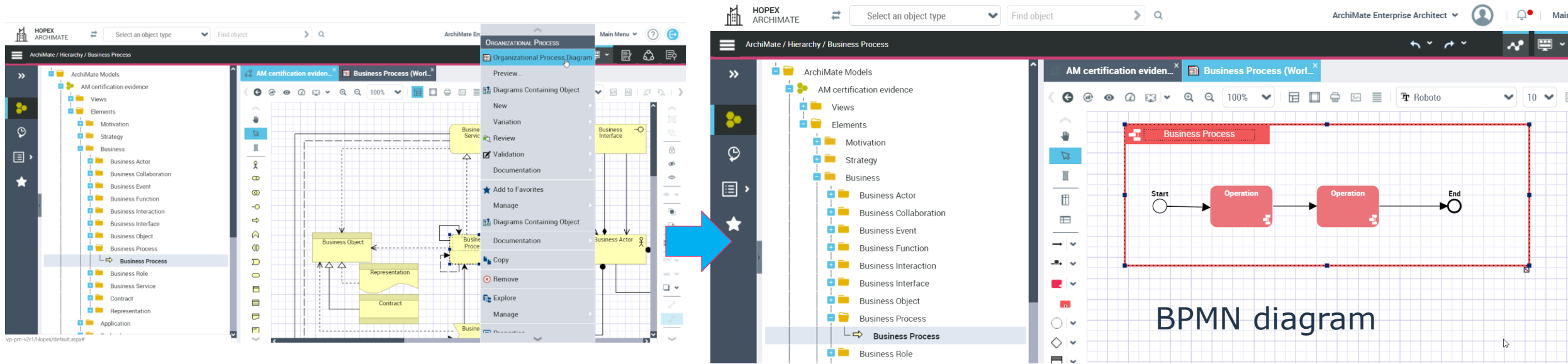
The same applies to other mapped concepts (see mapping in standard documentation page 96)

Relationships Symbol Reuse (1/2)

Relationships of the same type can be drawn for several pairs of objects
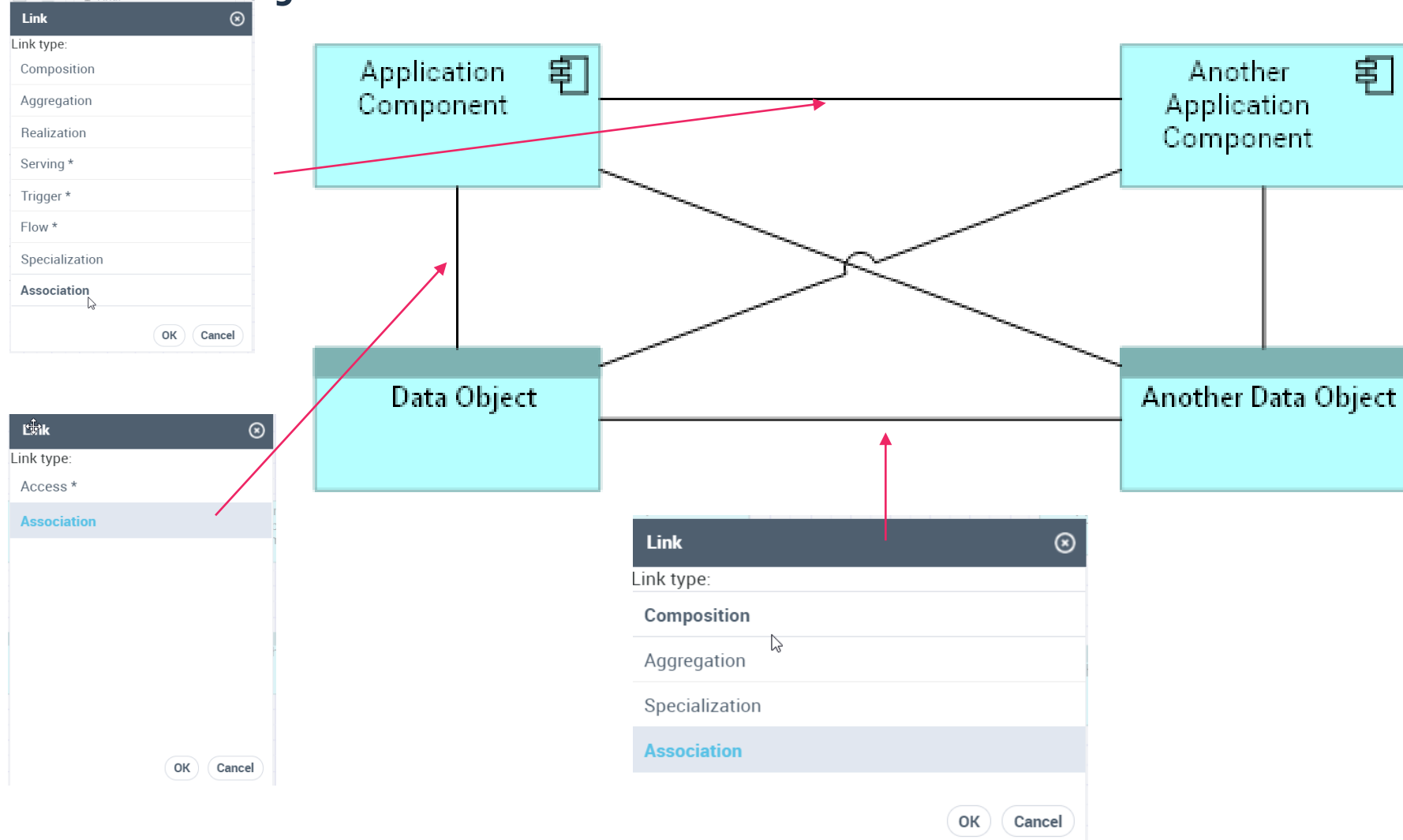
Relationships Symbol Reuse (2/2)

If a relationship already exists in a given view between two objects, when drawing the same relationship type in another diagram between these two objects, a dialog box suggest the reuse of the existing relationship, to avoid creating a new one by mistake

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SEE THE BIGGER PICTURE