

**BOC Group – ArchiMate® 3.1 Tool Certification – Supporting Evidence**

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# Evidence of Compliance (3.1) – A

Design & Document

My Architecture Elements

vocabulary of the ArchiMate language

Type	Name ↑	Data Actuality	R	A	C	I	Reports
Application Component							
[-]	Accounts and Payments System (GIR)	✗	R				[📄]
[-]	Anti Fraud Management System (AFM)	✗	R				[📄]
[-]	Audit Documentation System (ADONIS-AUD)	✗	R				[📄]
[-]	Bank Equity System (BEQ)	✗		A			[📄]
[-]	Business Partner	✓	R				[📄]
[-]	Business Process Management System (ADONIS)	✗	R				[📄]
[-]	Capital Returns Tax System (TAX)	✗	R				[📄]
[-]	Credit Card Management System (CRE)	✗	R				[📄]
[-]	EA System (ADOIT)	✗	R				[📄]
[-]	EUC - IT-Projectlist (PRO)	✗				I	[📄]
[-]	Freshdesk (FRD)	✗				I	[📄]
[-]	Internal Control System (ADONIS-ICS)	✗	R				[📄]
[-]	JIRA (JIR)	✗			C		[📄]
[-]	Partner System (PAS)	✗	R				[📄]
[-]	Real Estate System (RES)	✗				I	[📄]
[-]	Sales System (VIS)	✗	R				[📄]
[-]	Savings Account System (SPK)	✗		A			[📄]
[-]	servicenow (SNO)	✗			C		[📄]
[-]	STANDARD Banking	✗	R				[📄]
[-]	Strategy and Performance Management System (ADOSCORE)	✗	R				[📄]
Application Interface							
○	ADOIT Read-IF	✗	R				[📄]
○	ADONIS<->ICS	✗	R				[📄]
○	ADOSCORE Read-IF	✗	R				[📄]
○	AFM Read-IF	✗	R				[📄]
○	AUD Read-IF	✗	R				[📄]

Arch Archi (archi)

Figure 15: (Partial) Requirements Realization View

Models

Filter...

Name

- Models
  - 01 ArchiSurance
    - Phase A: Architecture Vision
      - Figure 3: Stakeholder View (Fragment)
      - Figure 4: Business Goals Associated with the...
      - Figure 5: Principles View (Fragment)
      - Figure 6: Goal Refinement View for Rationali...
      - Figure 7: Strategy View for Digital Customer I...
      - Figure 8: Solution Concept View
    - Phase B: Business Architecture
      - Figure 09: Organization View
      - Figure 10: Organization Decomposition (Nest...
      - Figure 11: Capability Map View (Baseline)
      - Figure 12: Business Function View (Baseline)
      - Figure 13: Capability Realization (Baseline)
      - Figure 14: Business Process View (Baseline)
      - Figure 15: (Partial) Requirements Realization...
      - Figure 16: Capabilities Gap Analysis
      - Figure 17: Resource Map View (Target)
      - Figure 18: Resource Realization View (Target)
    - Phase C: Information Systems Architectures (A...
      - Figure 19: Application Cooperation View (Bas...
      - Figure 20: Application Cooperation View (Tar...
      - Figure 21: Application Usage View (Baseline)
      - Figure 22: Application Behavior View (Target)
      - Figure 23: Application Architecture: Gap Anal...
    - Phase C: Information Systems Architectures (D...

Support for policy administration

Support for financial transactions

CRM data should be maintained centrally

Handle claim

Policy administration service

Financial Service

CRM data access

ArchiSurance Back Office Suite

General CRM System

ArchiSurance general-purpose server cluster

ArchiSurance Back Office Suite

ArchiSurance back-up server cluster

General CRM System

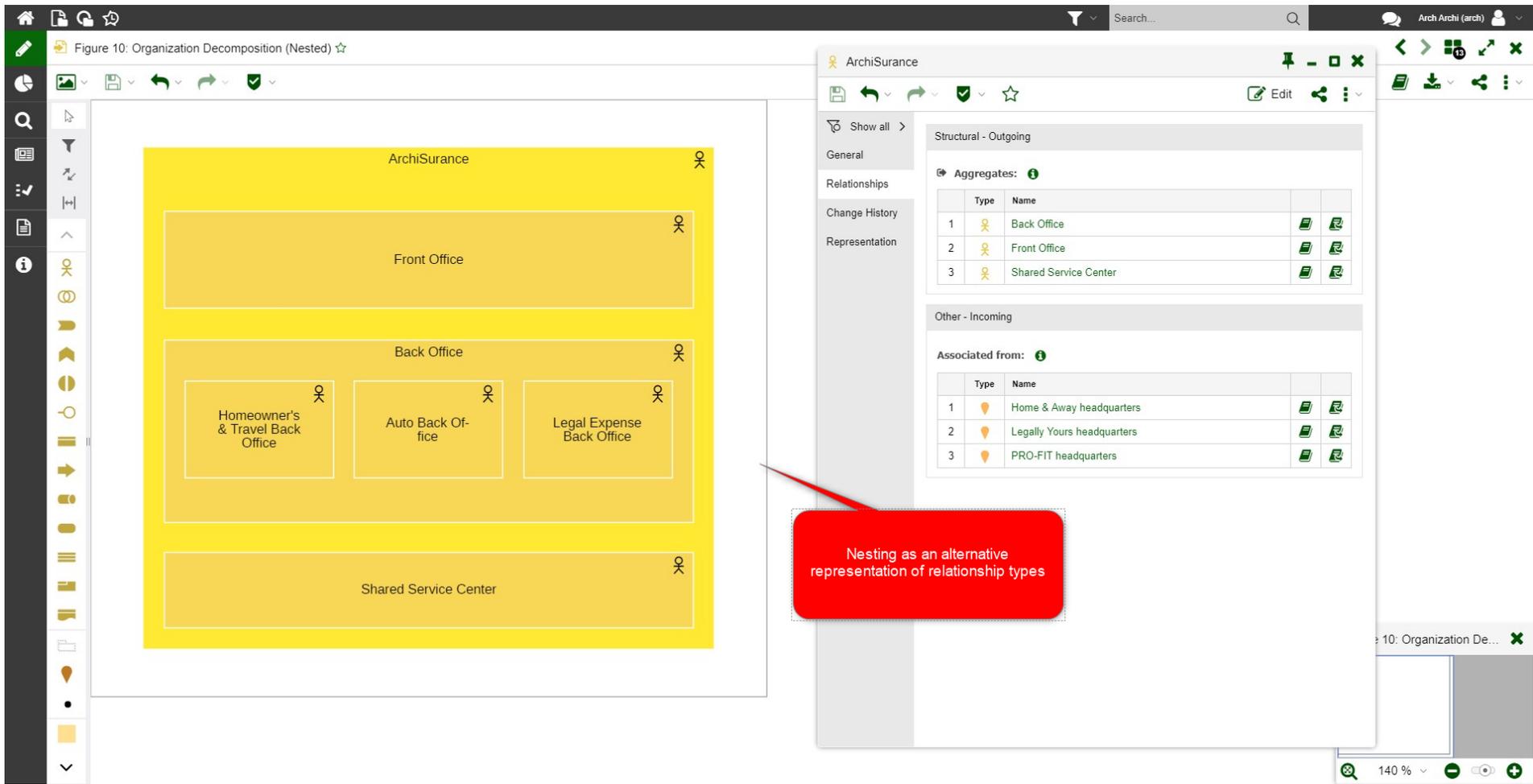
FO general-purpose server

notation, syntax and semantics of the visual modeling language for all ArchiMate language elements

graphical notation used for all ArchiMate concepts and relationships remained unambiguously with ArchiMate specification

Figure 15: (Partial) Require...

100%



Nesting as an alternative representation of relationship types

Figure 8: Solution Concept View

The diagram illustrates a solution concept with the following components and relationships:

- Central Element:** Social media apps (pink box)
- Input/Support Elements:**
  - Social media competency (yellow box) -> Social media apps
  - Data sources (yellow box) -> Data analysis automation (yellow box)
  - Data analysis competency (yellow box) -> Data analysis automation
- Output/Target Elements:**
  - Excellent online customer interaction (blue box) -> Social media apps
  - Enterprise-wide CRM automation (yellow box) -> Social media apps
  - CRM data should be maintained centrally (blue box) -> Enterprise-wide CRM automation
  - Integrated back office automation (yellow box) -> Enterprise-wide CRM automation
  - Support for policy administration (blue box) -> Integrated back office automation
  - Support for financial transactions (blue box) -> Integrated back office automation
  - Shared Back Office application for all products (blue box) -> Integrated back office automation
- Flow and Data:**
  - customer interactions (dashed arrow) from Social media apps to Enterprise-wide CRM automation
  - customer behavior (dashed arrow) from Data sources to Data analysis automation
  - customer profiles (dashed arrow) from Data analysis automation to Integrated back office automation
  - customer data (dashed arrow) from Enterprise-wide CRM automation to Integrated back office automation

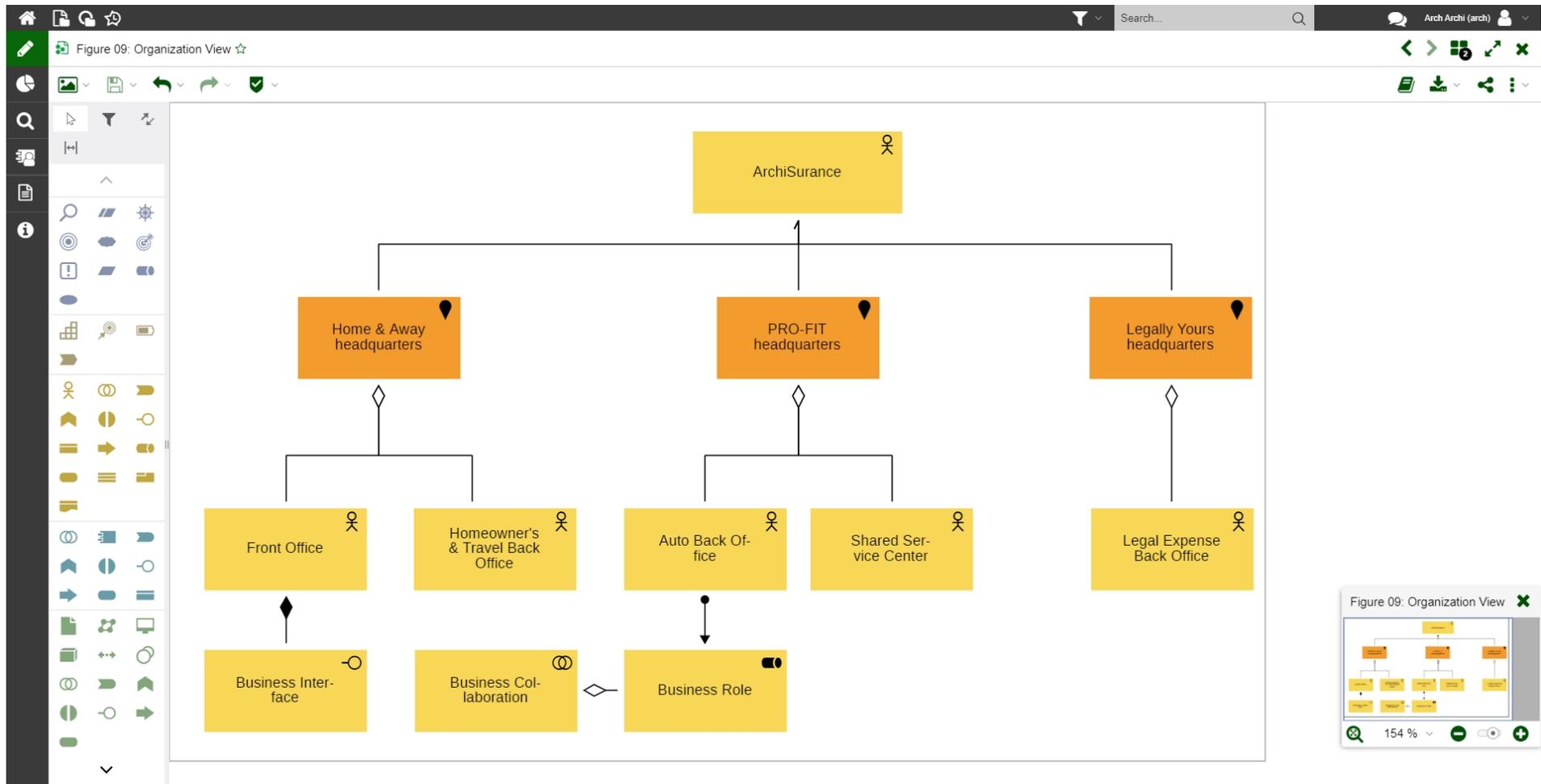
**Archimate Relationship Details:**

- Realizes:** Social media apps realizes Social media junction (Type: 1, Name: Social media junction)
- Assigned to:** Social media apps is assigned to Digital Channel Management (Type: 1, Name: Digital Channel Management)
- Aggregates:** No entry
- Composed of:** No entry
- Dependency - Outgoing:** (Collapsible)
- Dynamic - Outgoing:** (Collapsible)
- Other - Outgoing:** (Collapsible)
- Structural - Incoming:** (Collapsible)
- Dependency - Incoming:** (Collapsible)
- Dynamic - Incoming:** (Collapsible)

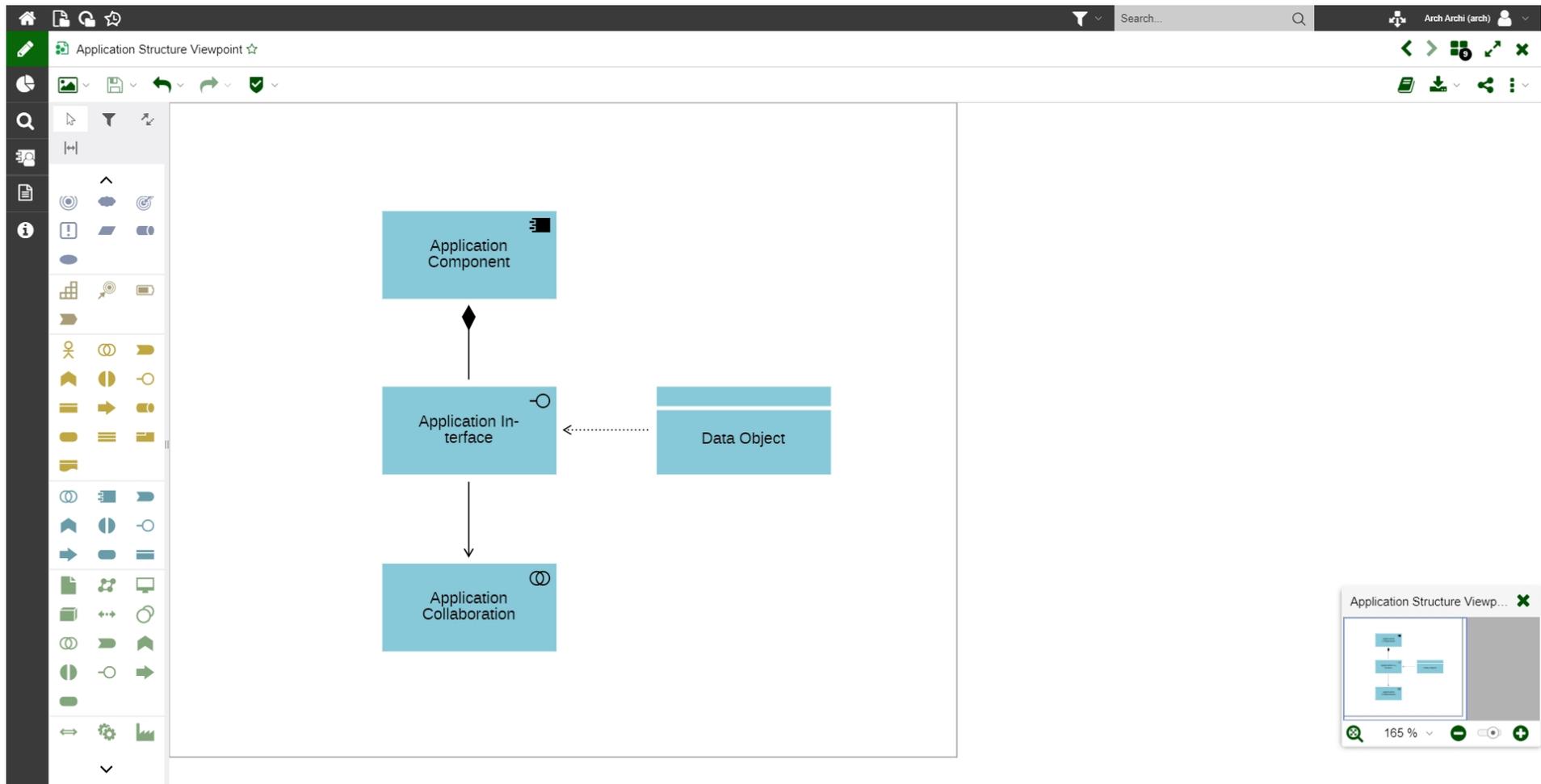
support of all ArchiMate language relationships including their relationship group, notation and reusability of the same symbol for multiple cases

## Evidence of Compliance (3.1) – Example Viewpoints

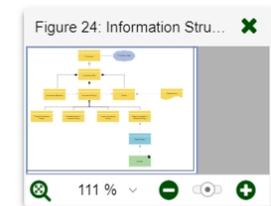
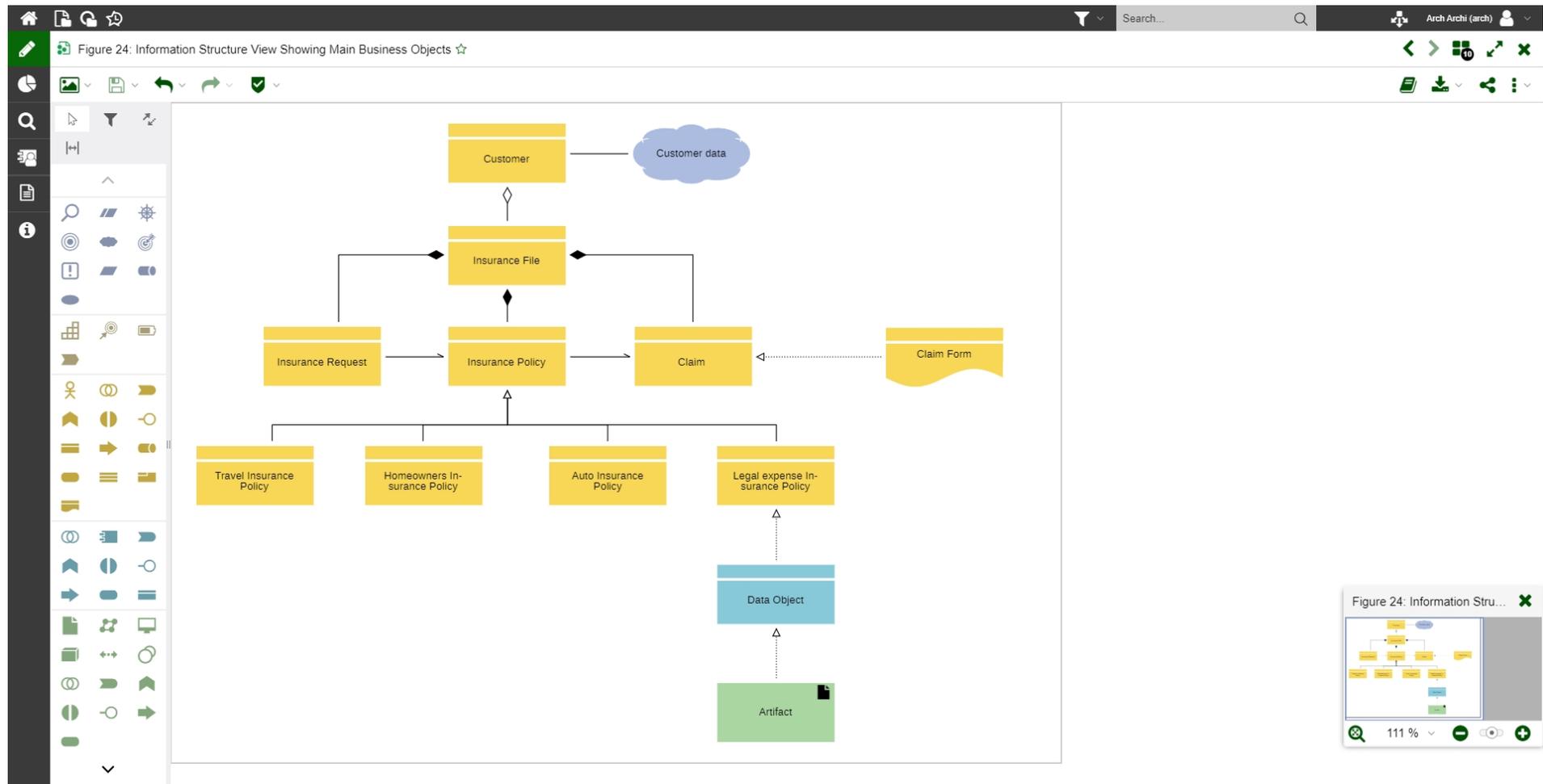
### C.1.1 Organization Viewpoint



## C.1.2 Application Structure Viewpoint

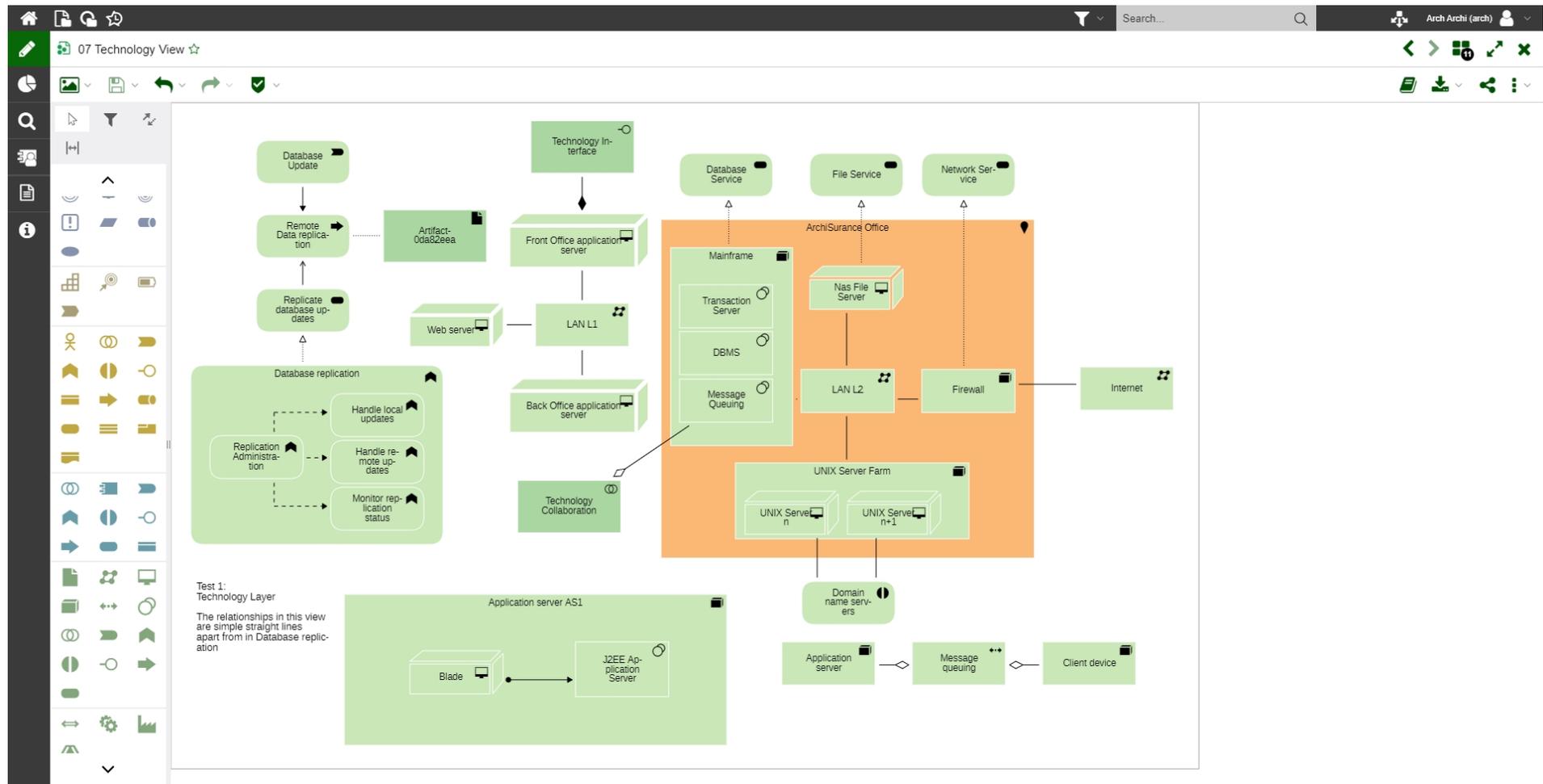


### C.1.3 Information Structure Viewpoint

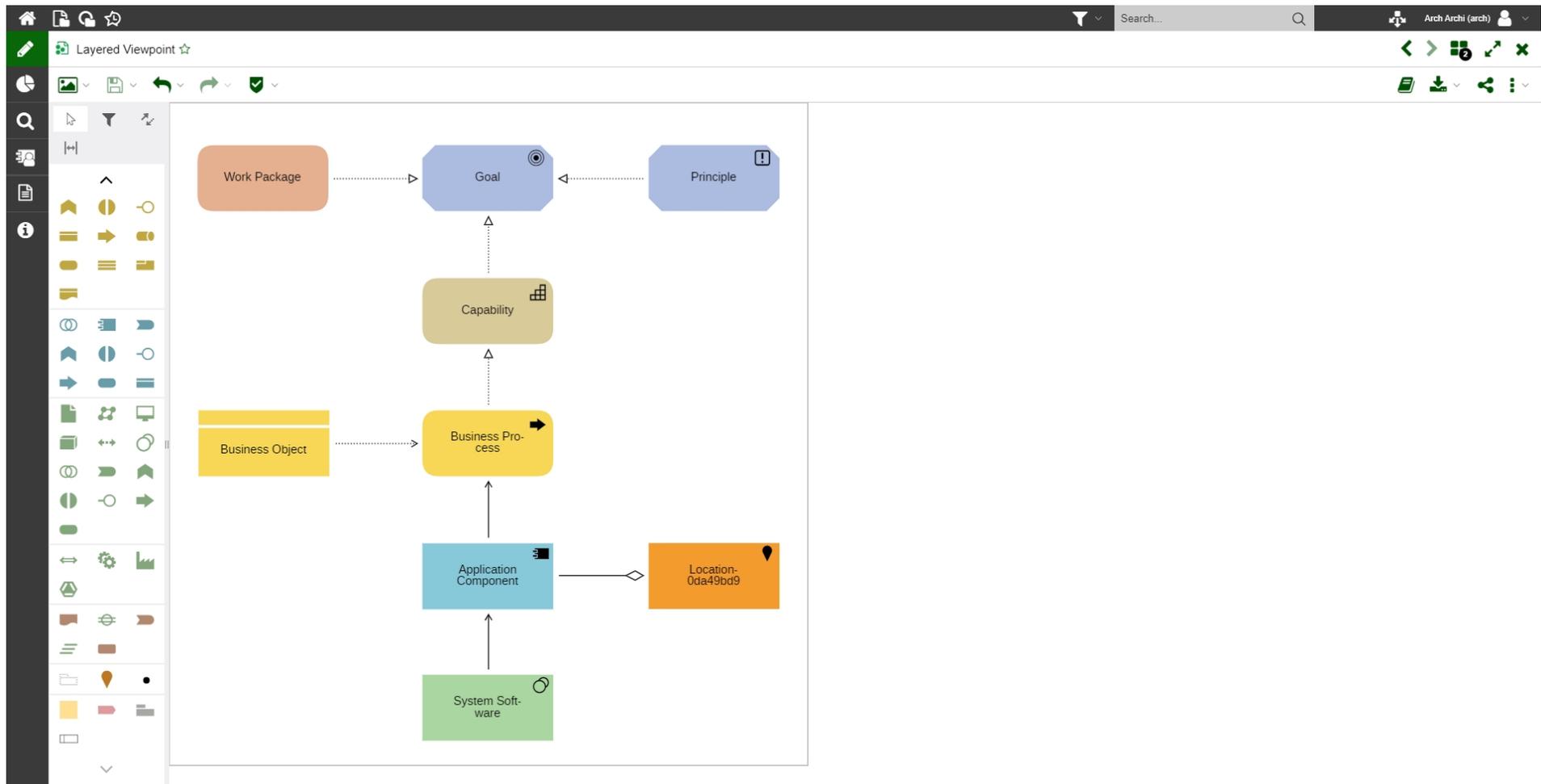




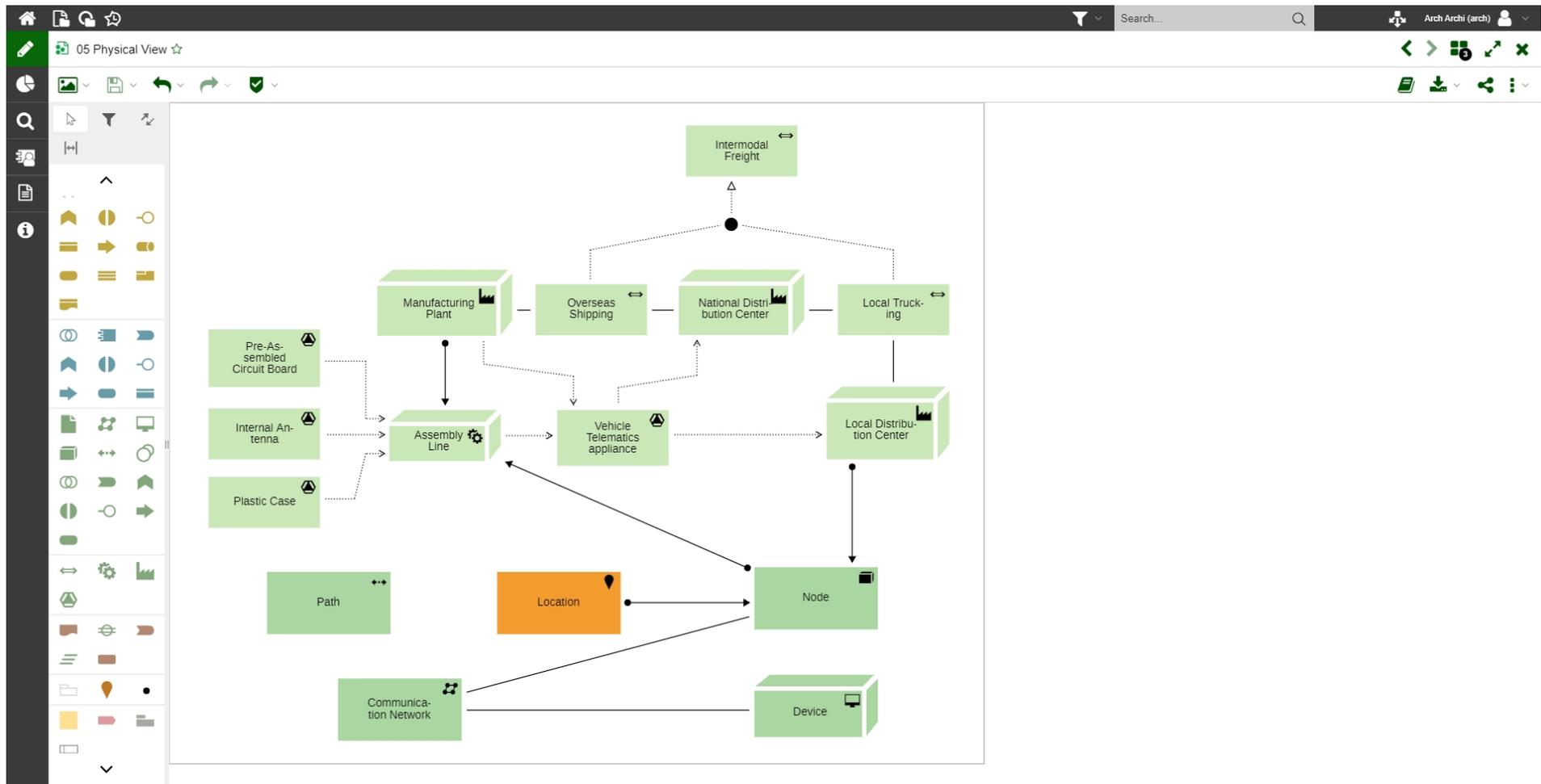
## C.1.4 Technology Viewpoint .



## C.1.5 Layered Viewpoint



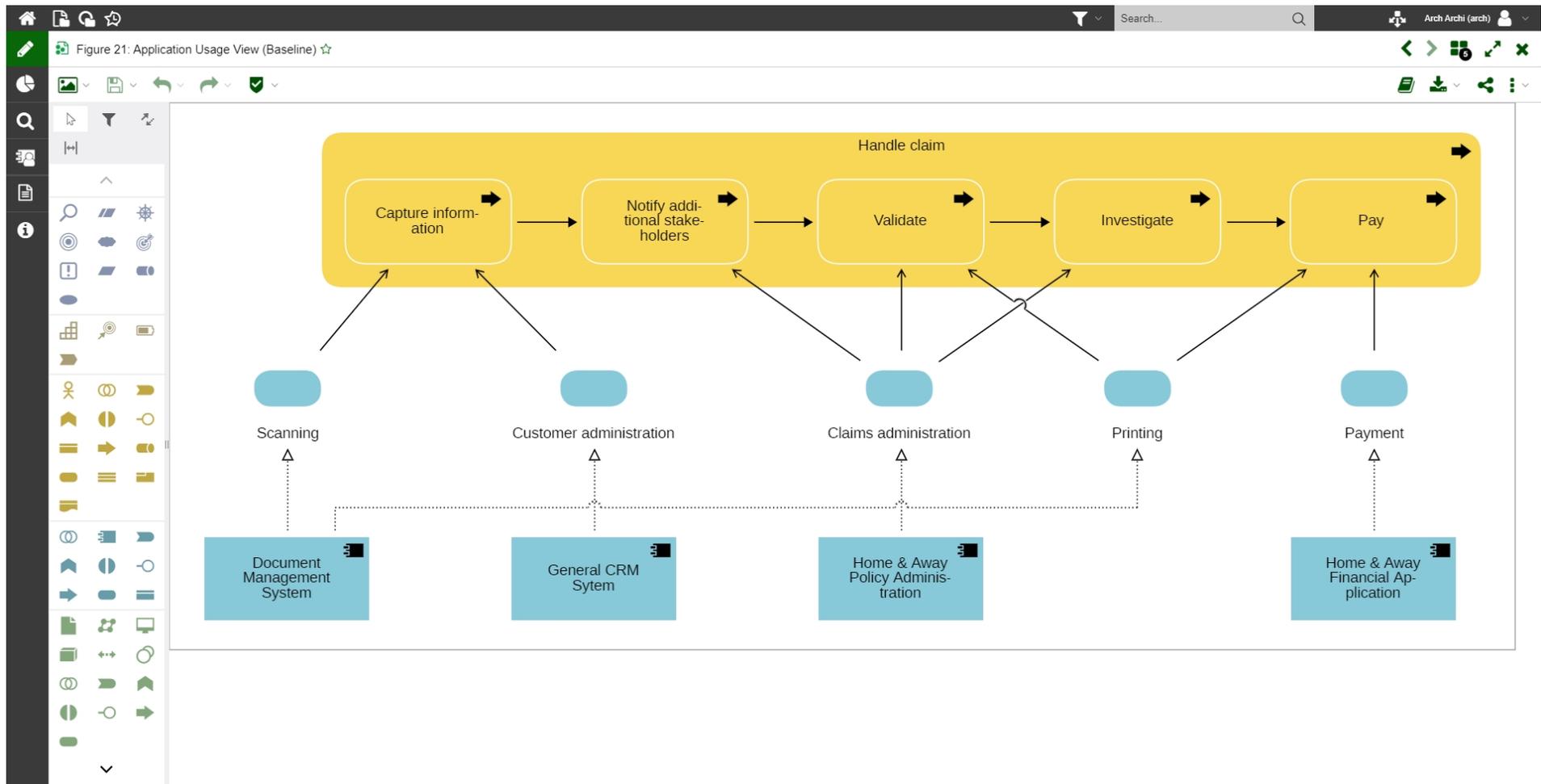
## C.1.6 Physical Viewpoint



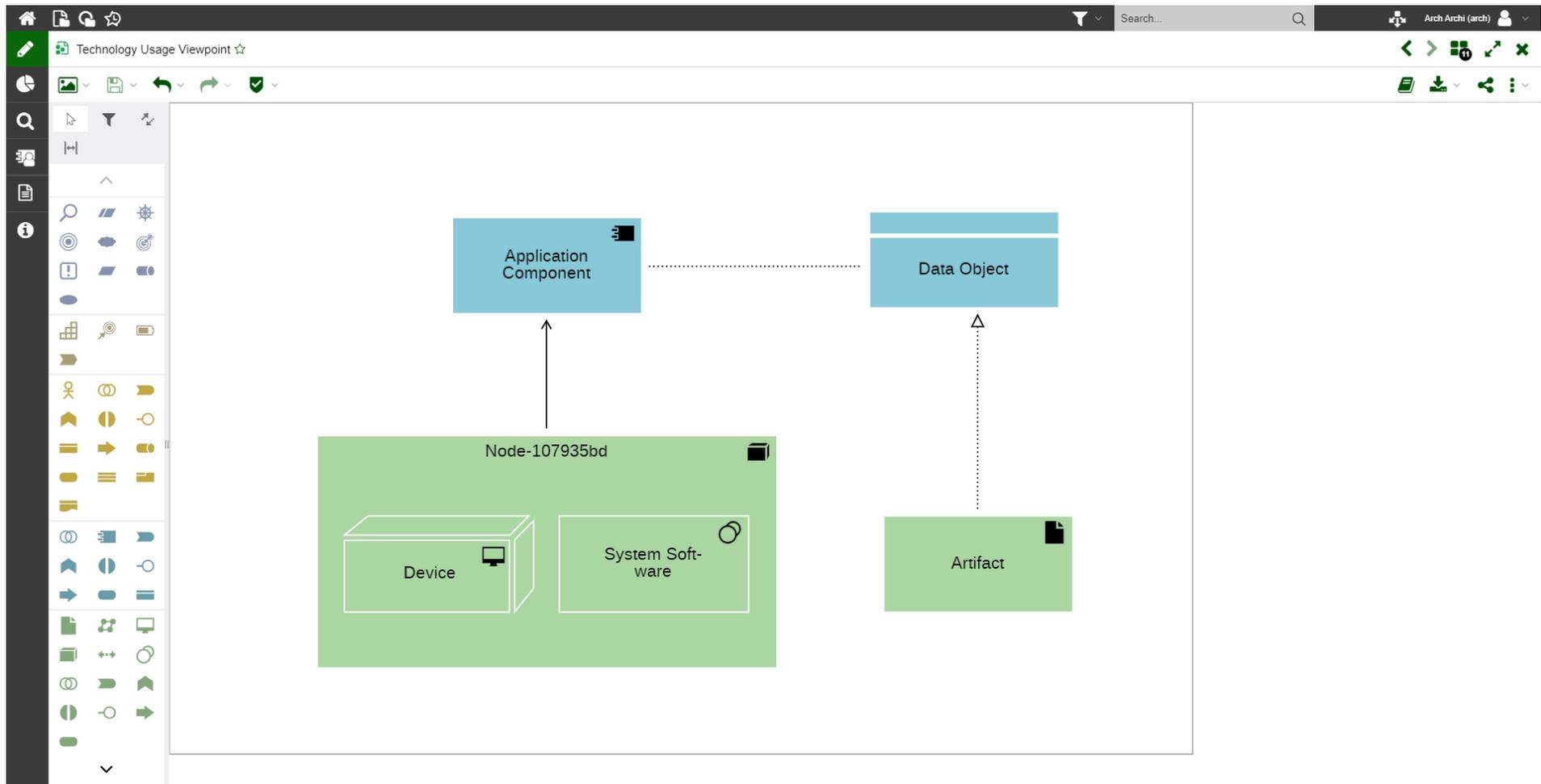
## C.1.7 Product Viewpoint



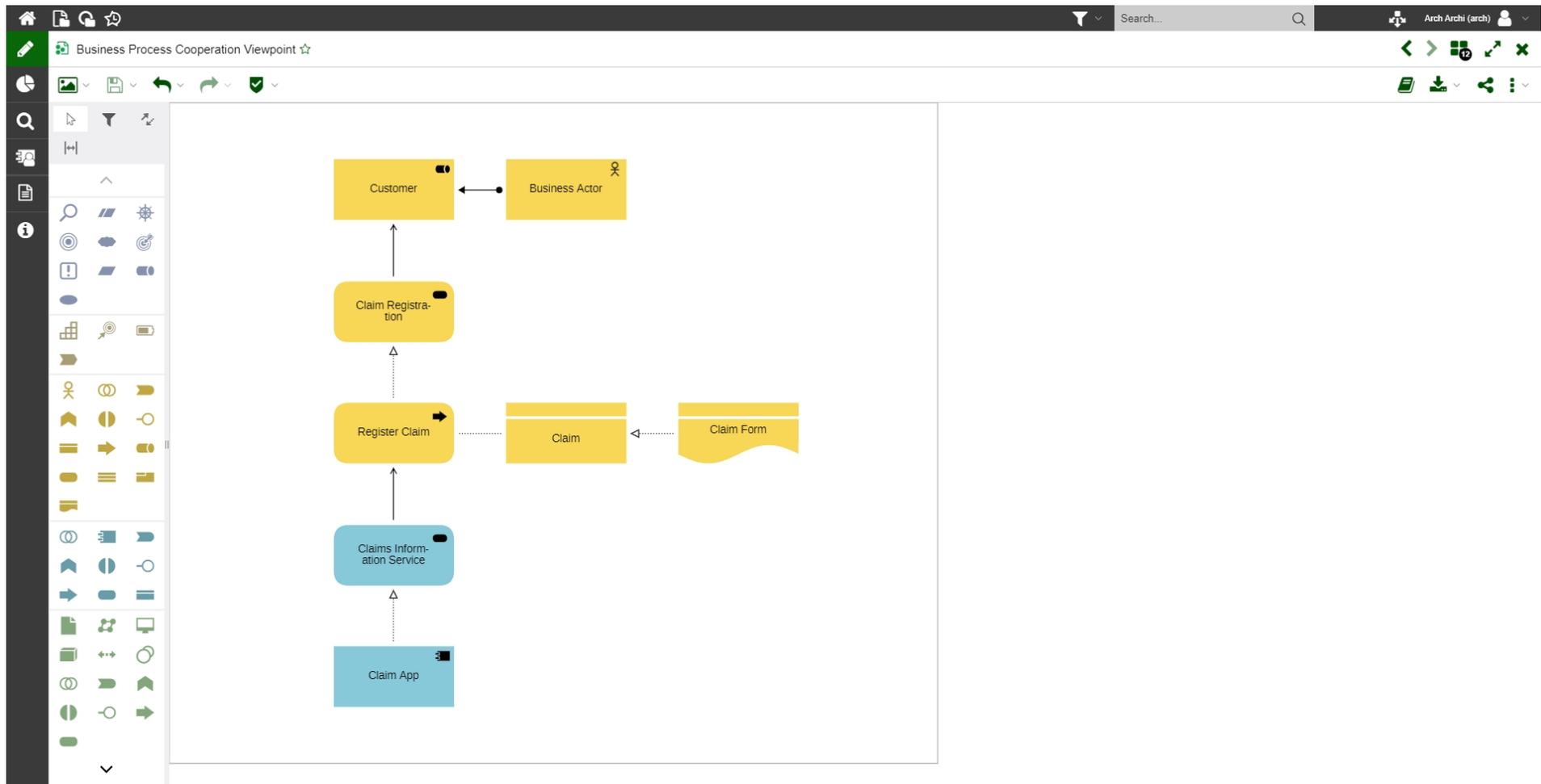
## C.1.8 Application Usage Viewpoint



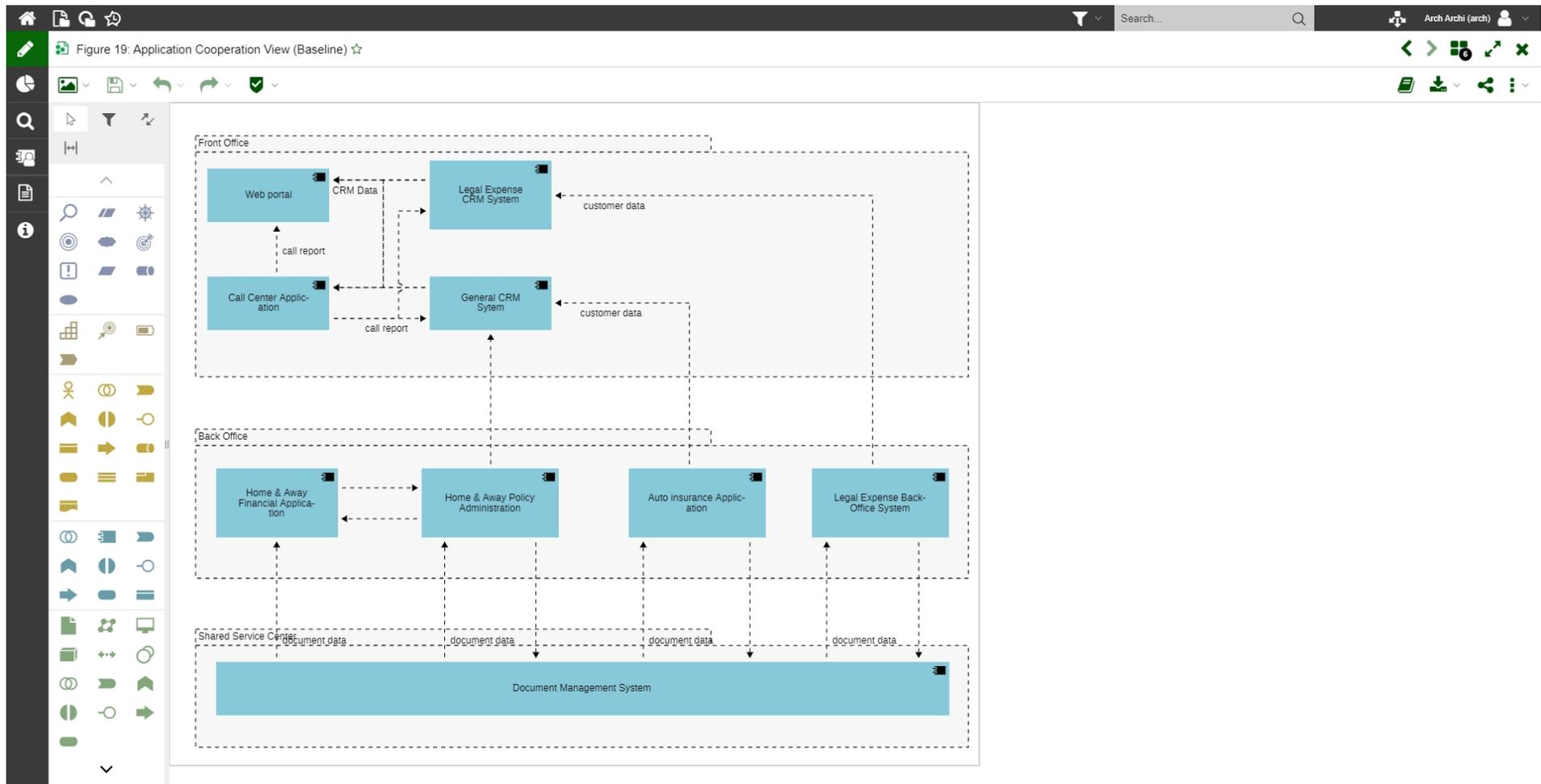
## C.1.9 Technology Usage Viewpoint



## C.1.10 Business Process Cooperation Viewpoint

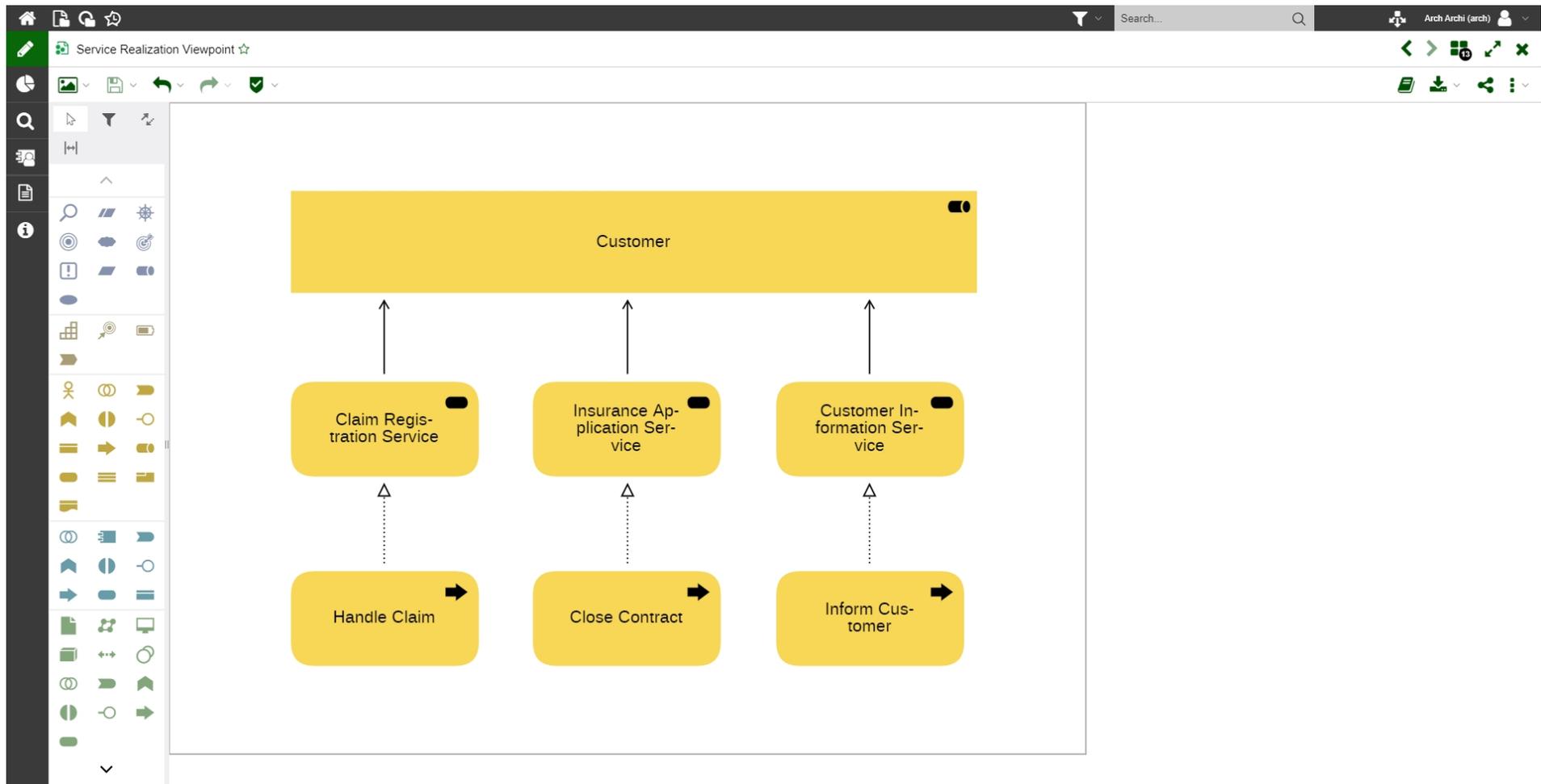


## C.1.11 Application Cooperation Viewpoint

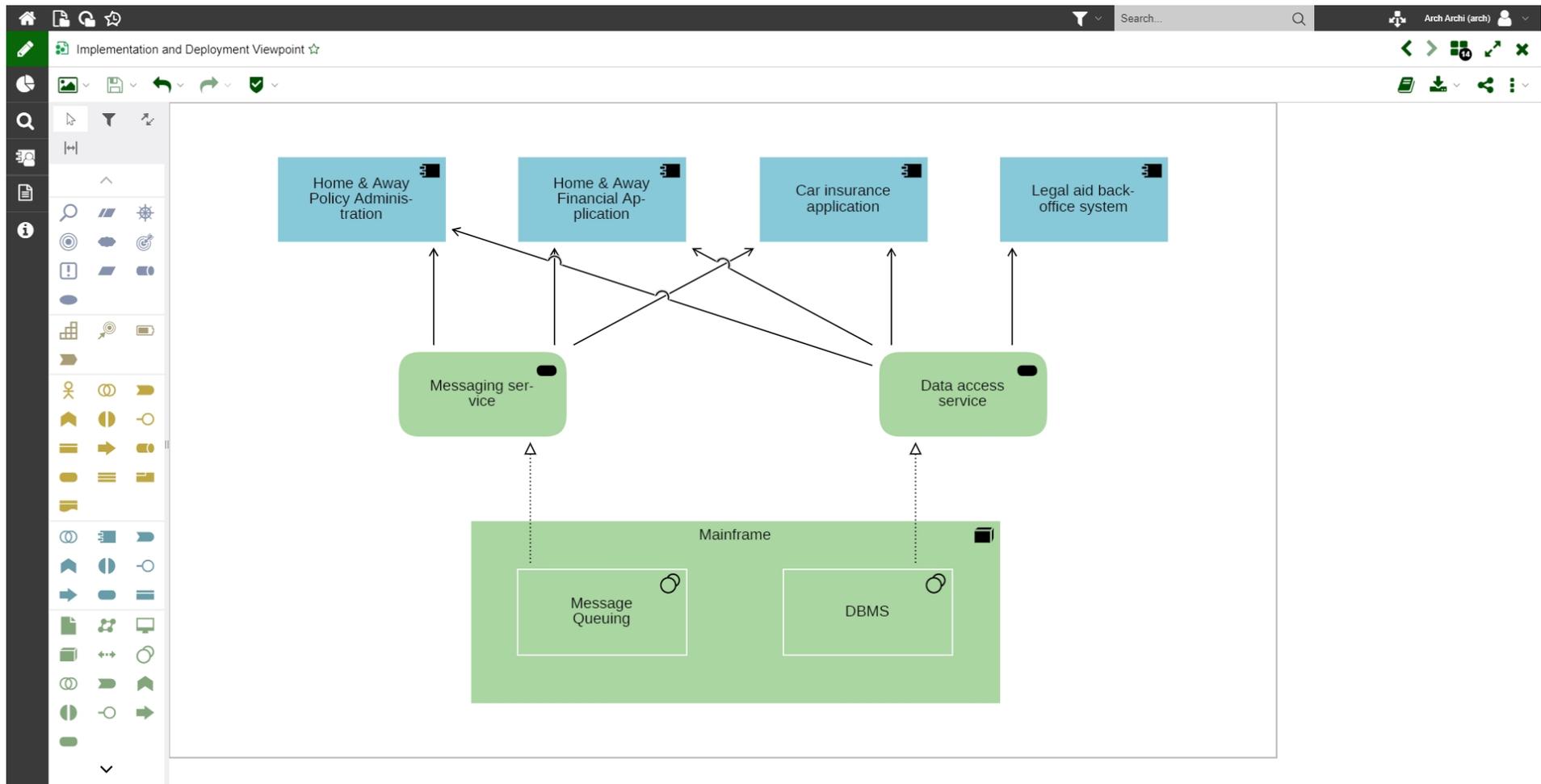




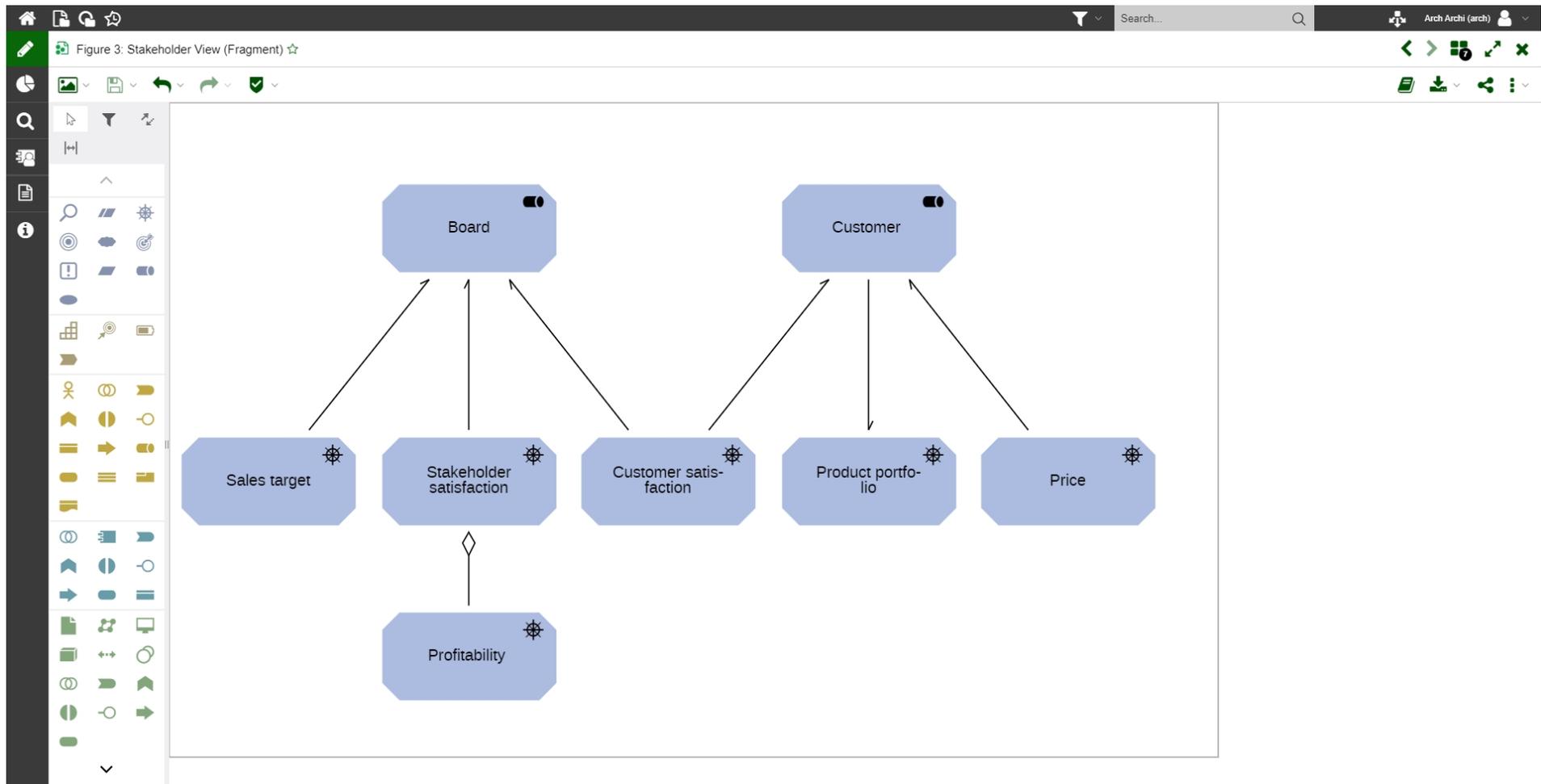
## C.1.12 Service Realization Viewpoint



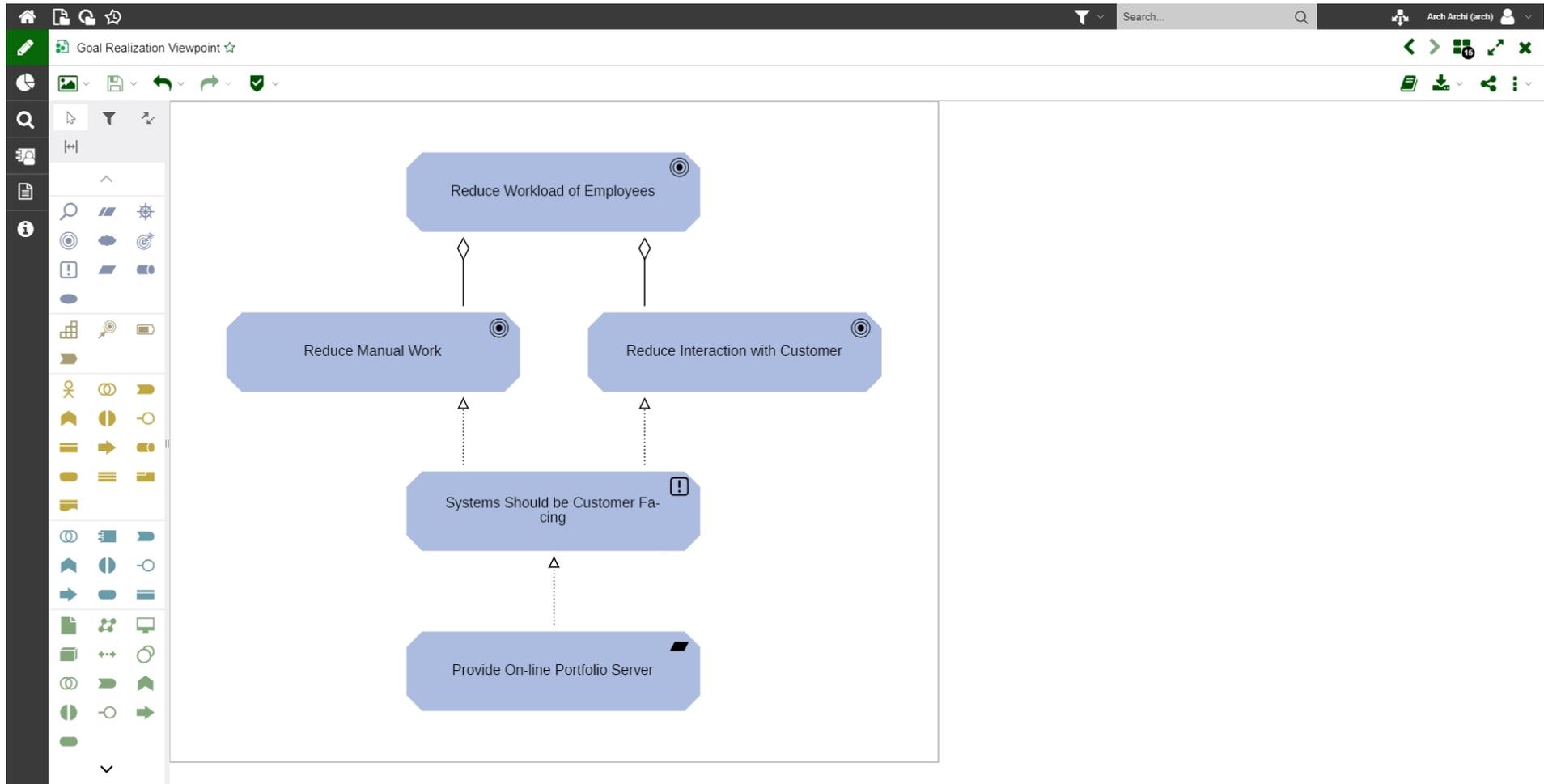
## C.1.13 Implementation and Deployment Viewpoint



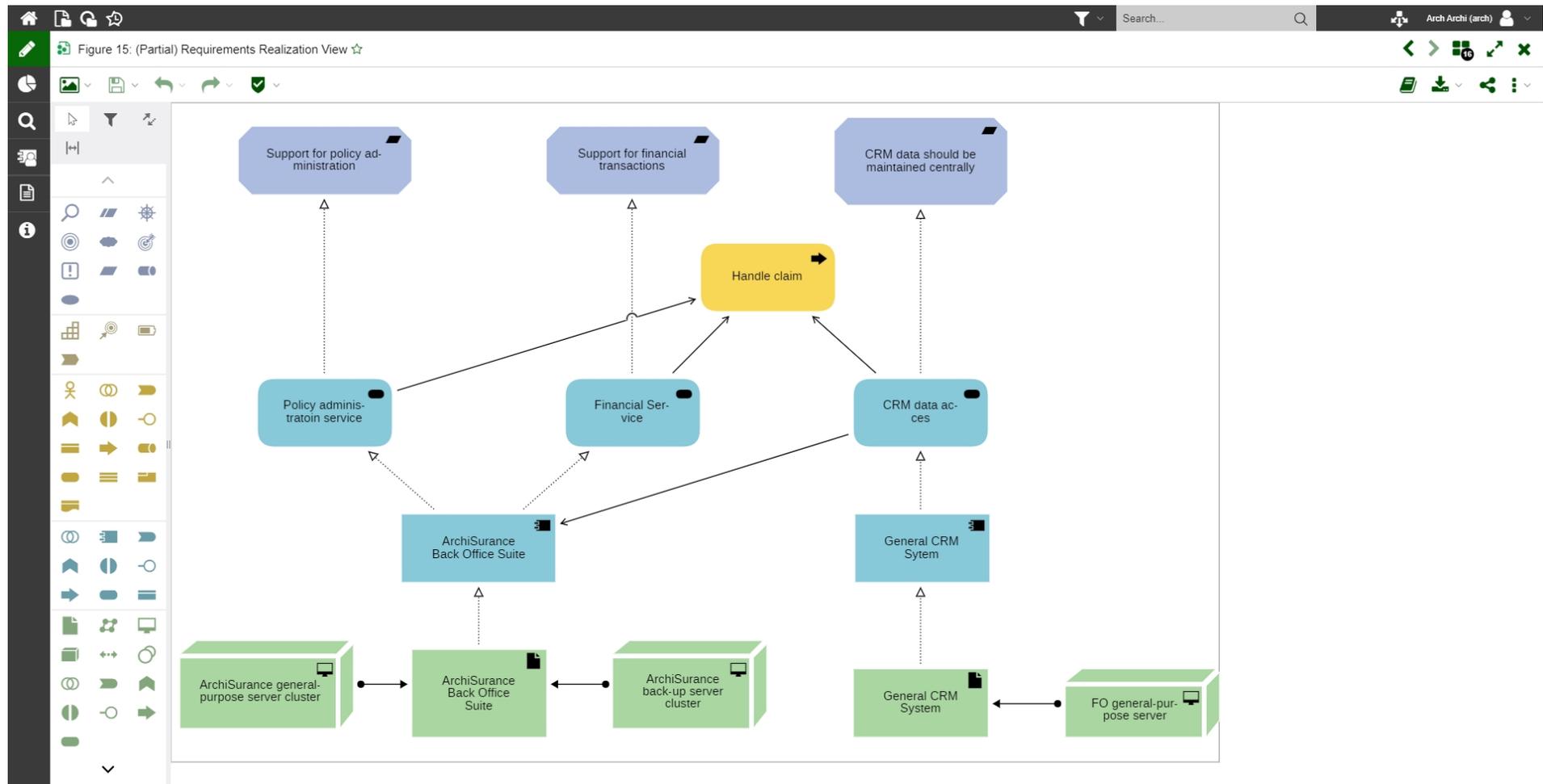
## C.2.1 Stakeholder Viewpoint



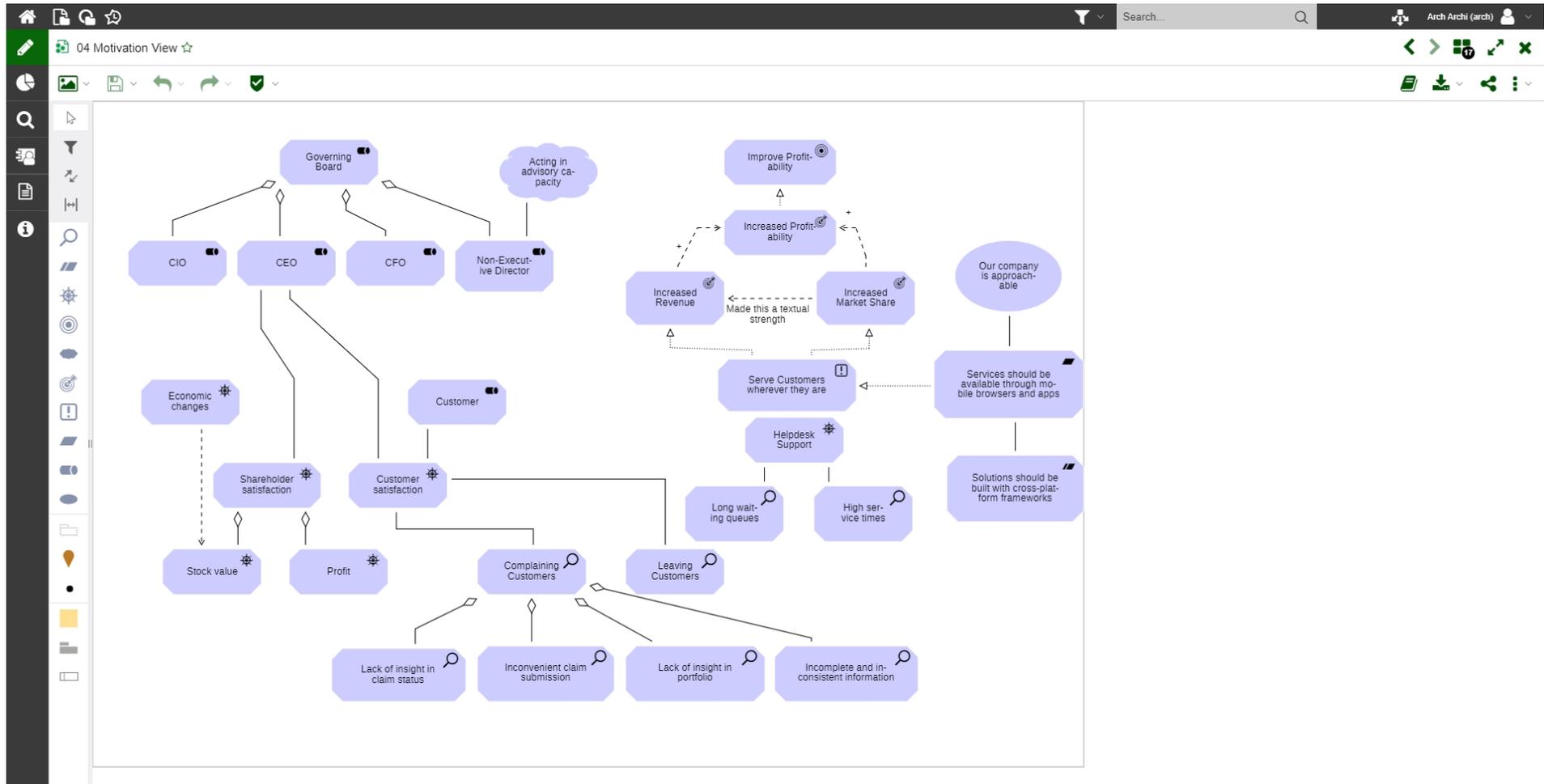
## C.2.2 Goal Realization Viewpoint



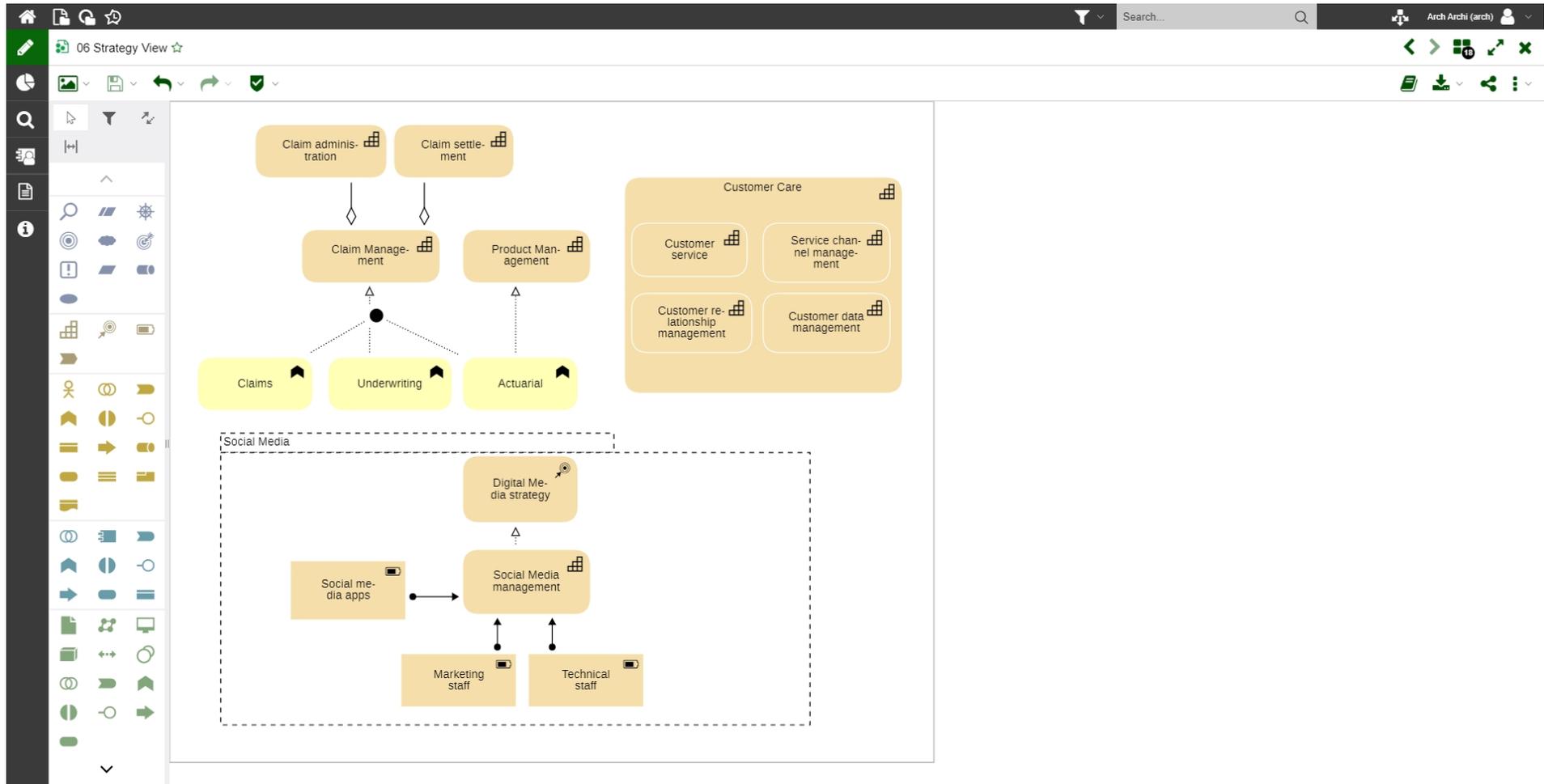
## C.2.3 Requirements Realization Viewpoint



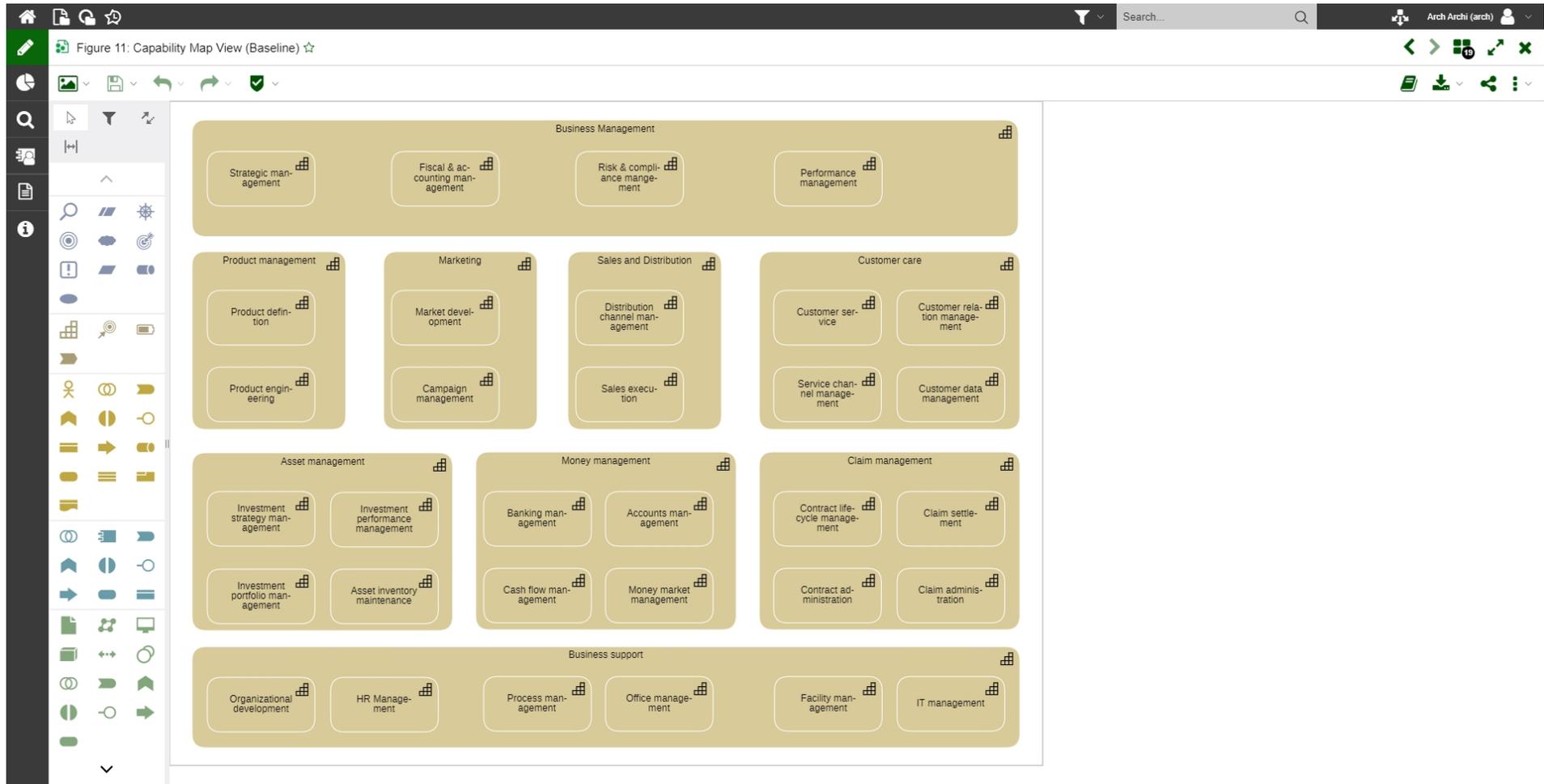
## C.2.4 Motivation Viewpoint



### C.3.1 Strategy

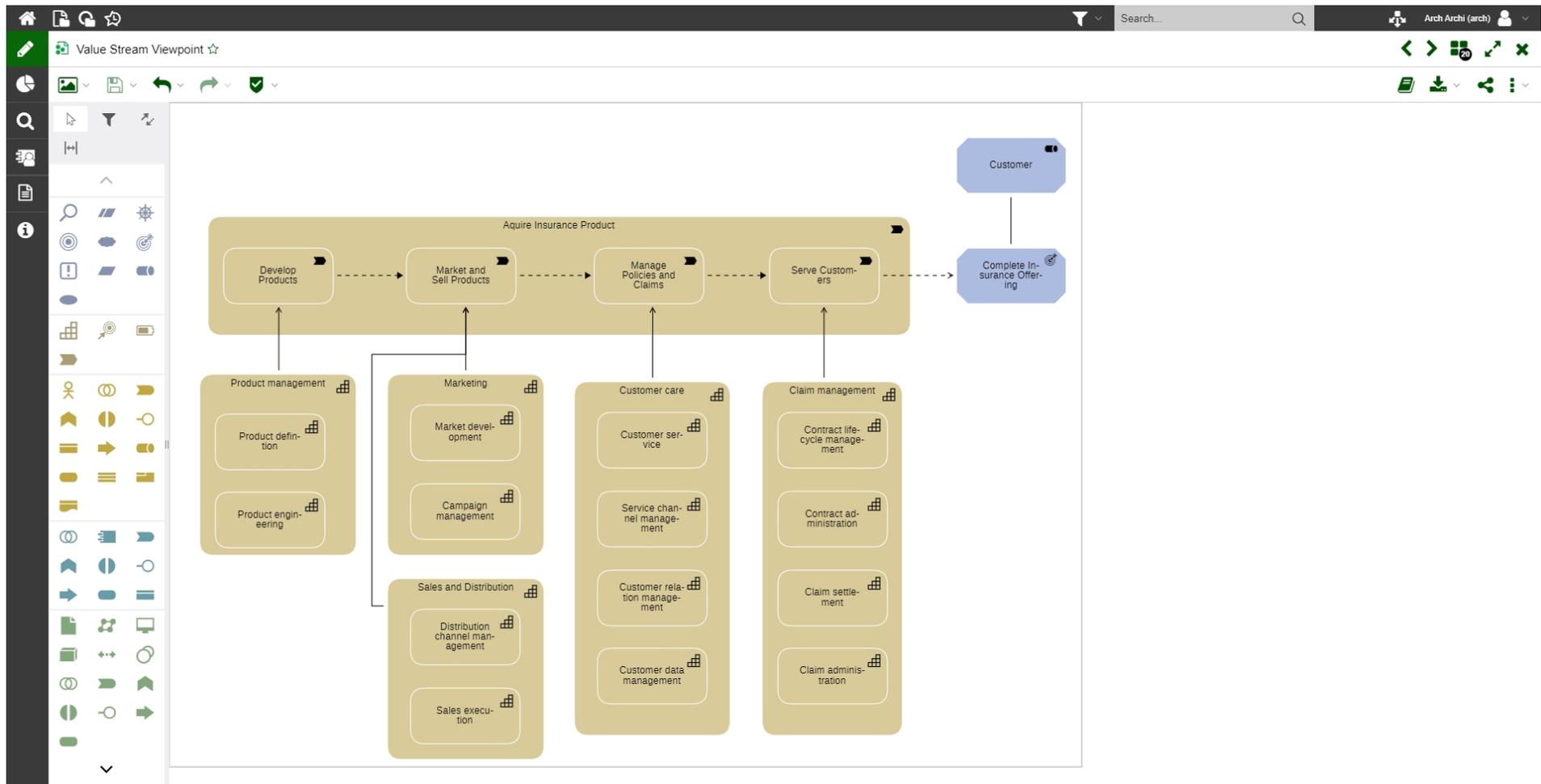


## C.3.2 Capability Map

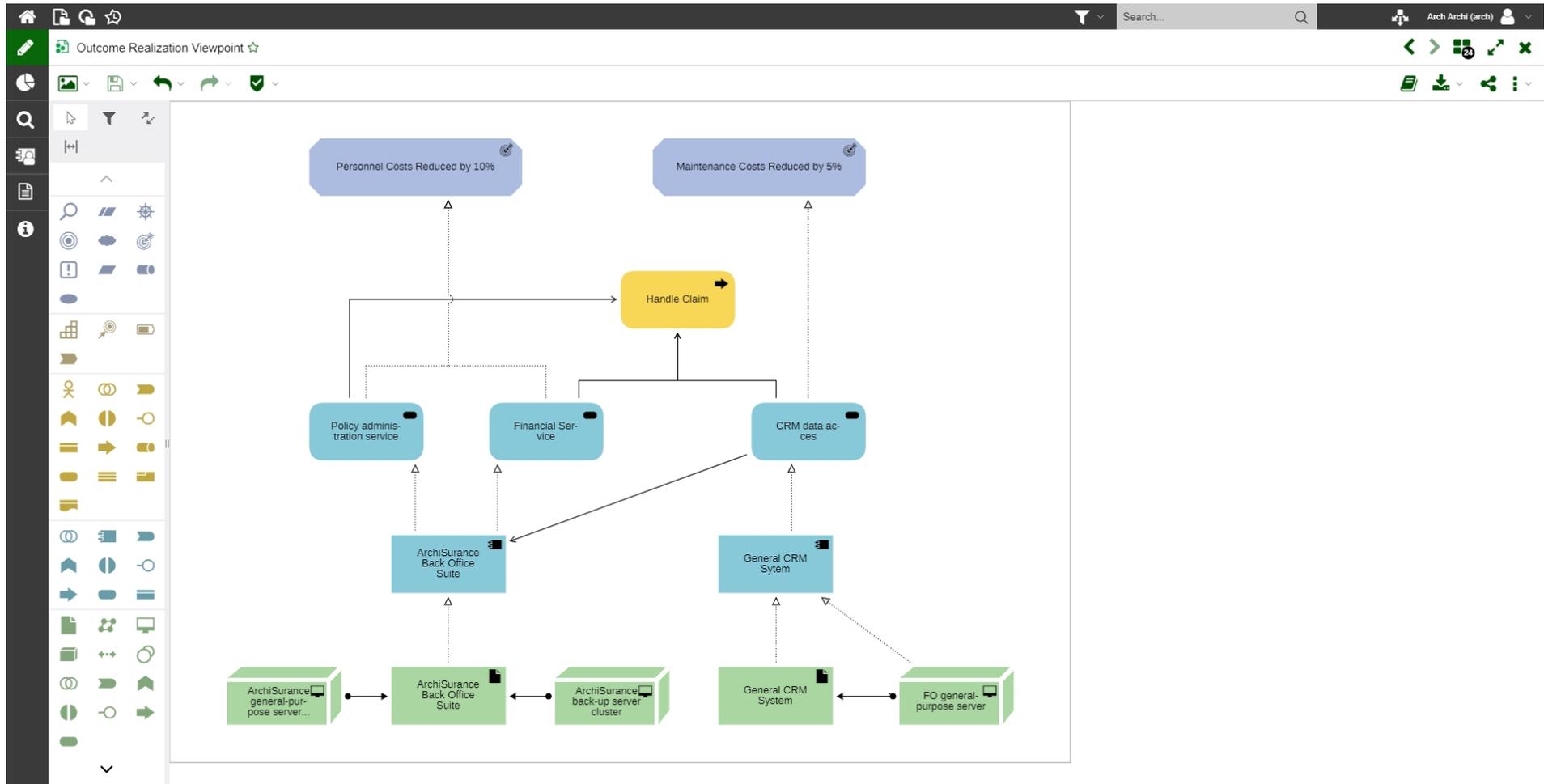




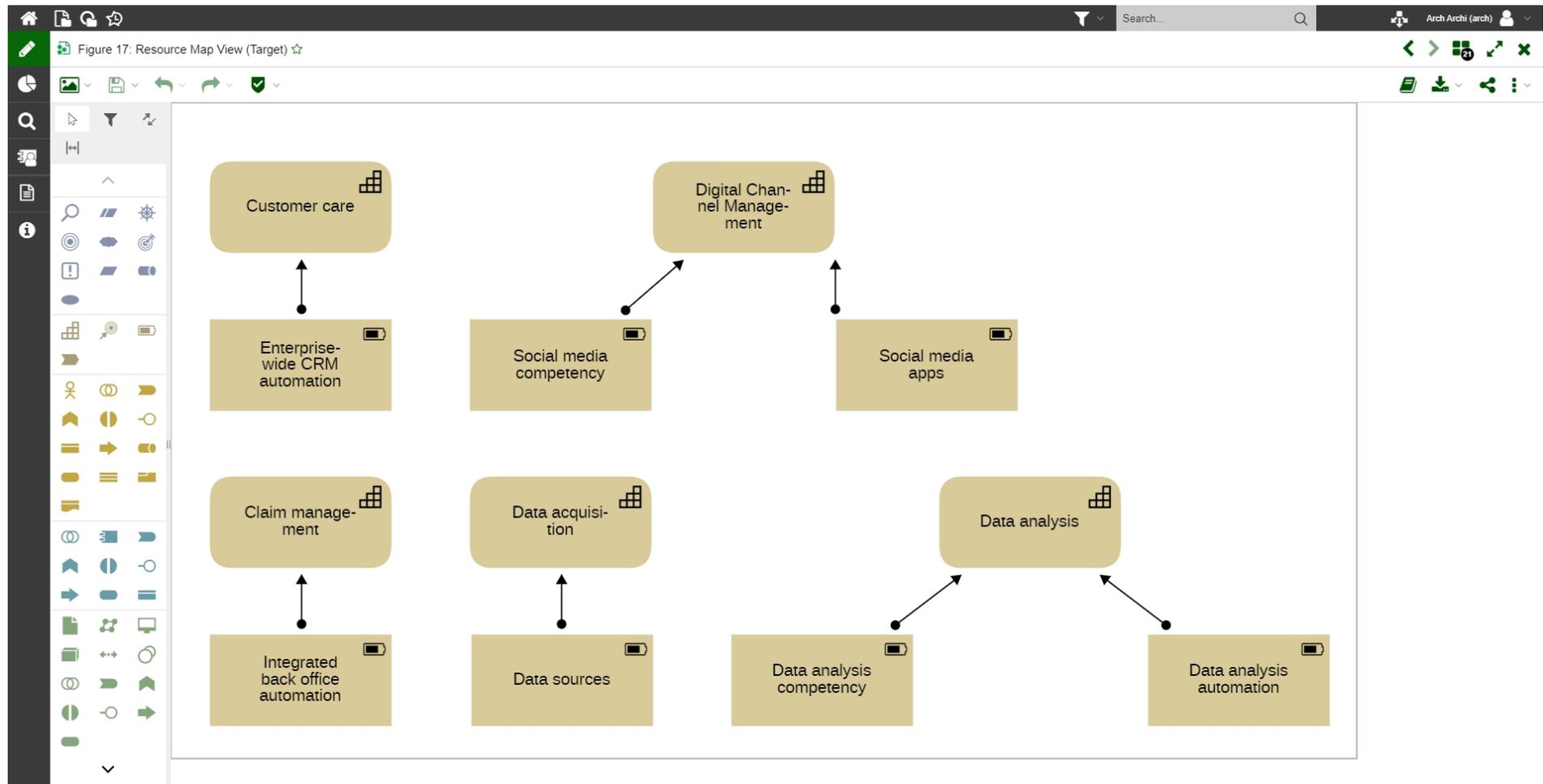
### C.3.3 Value Stream Viewpoint



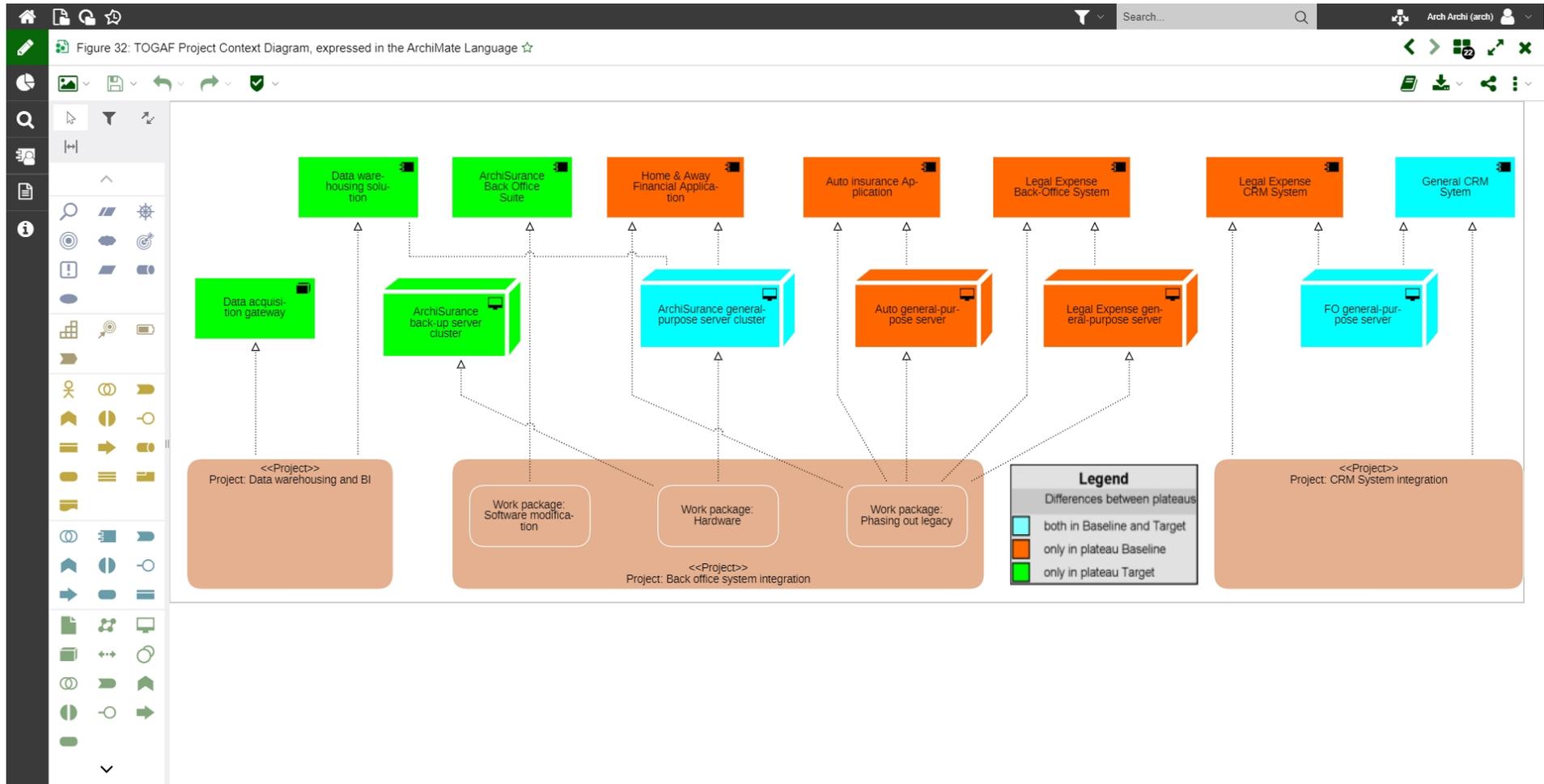
### C.3.4 Outcome Realization Viewpoint



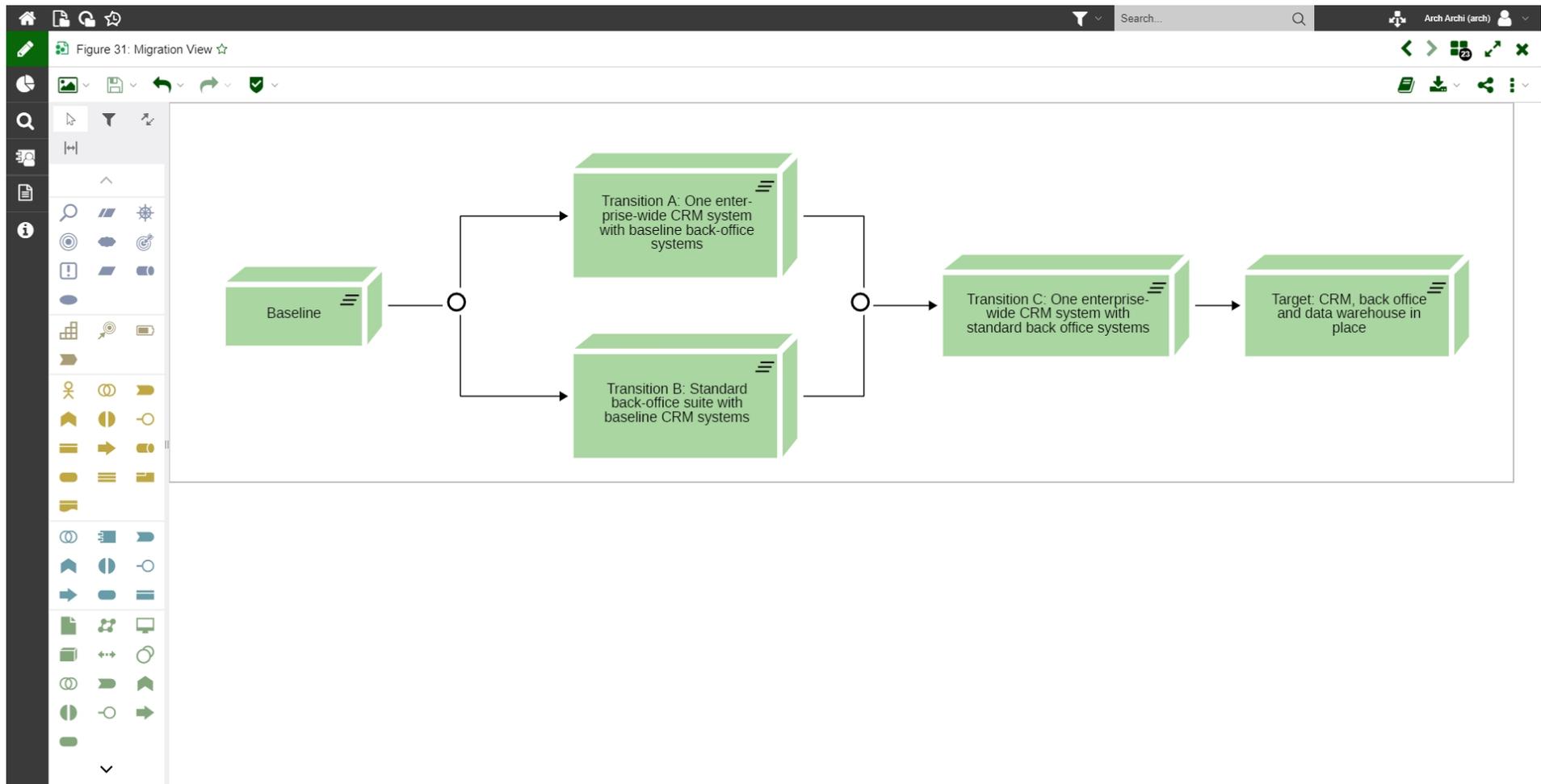
### C.3.5 Resource Map Viewpoint



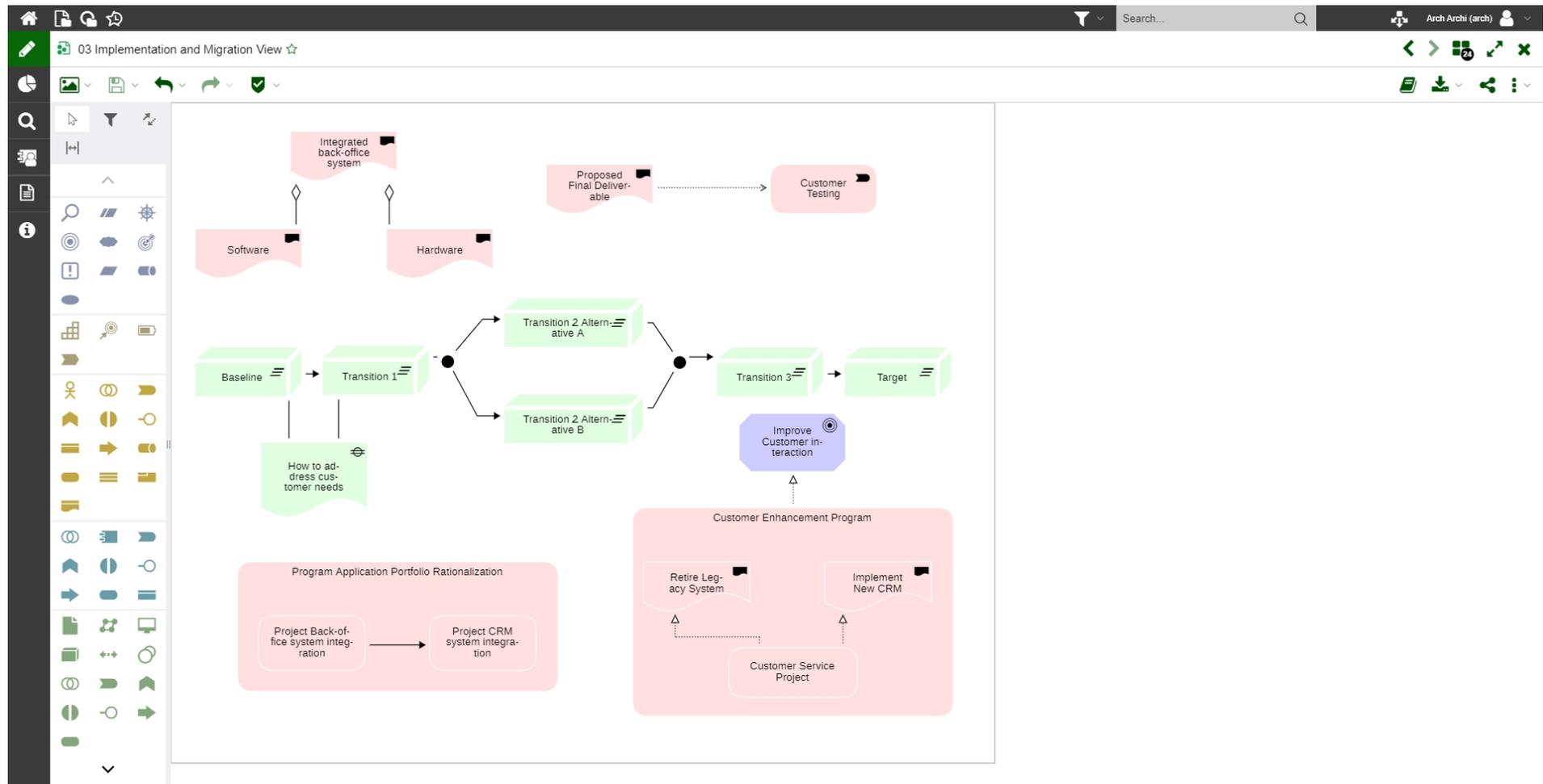
## C.4.1 Project Viewpoint



## C.4.2 Migration Viewpoint

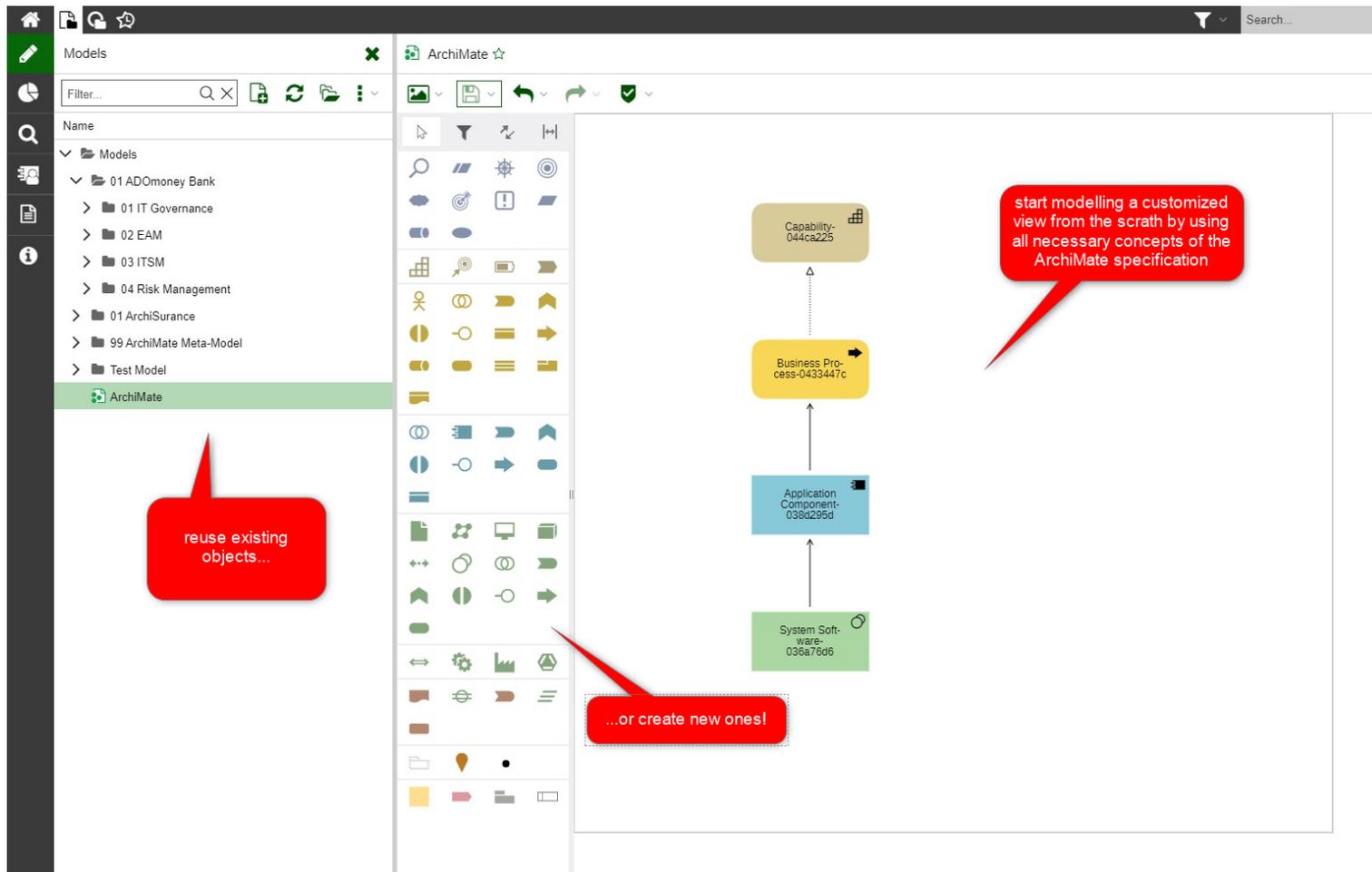


### C.4.3 Implementation and Migration Viewpoint

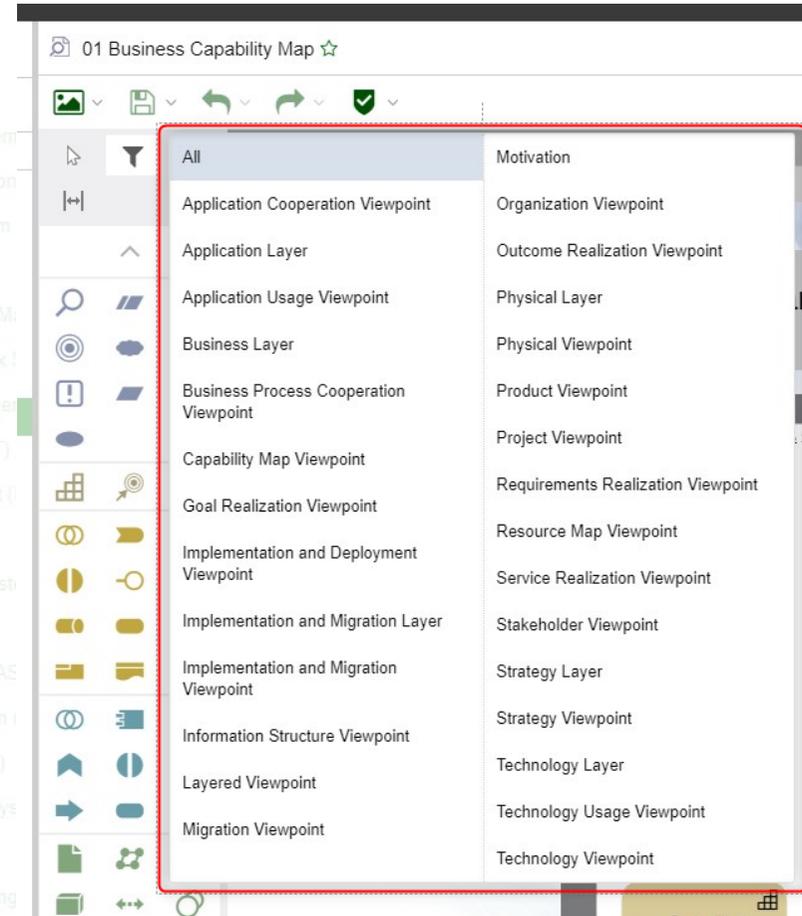
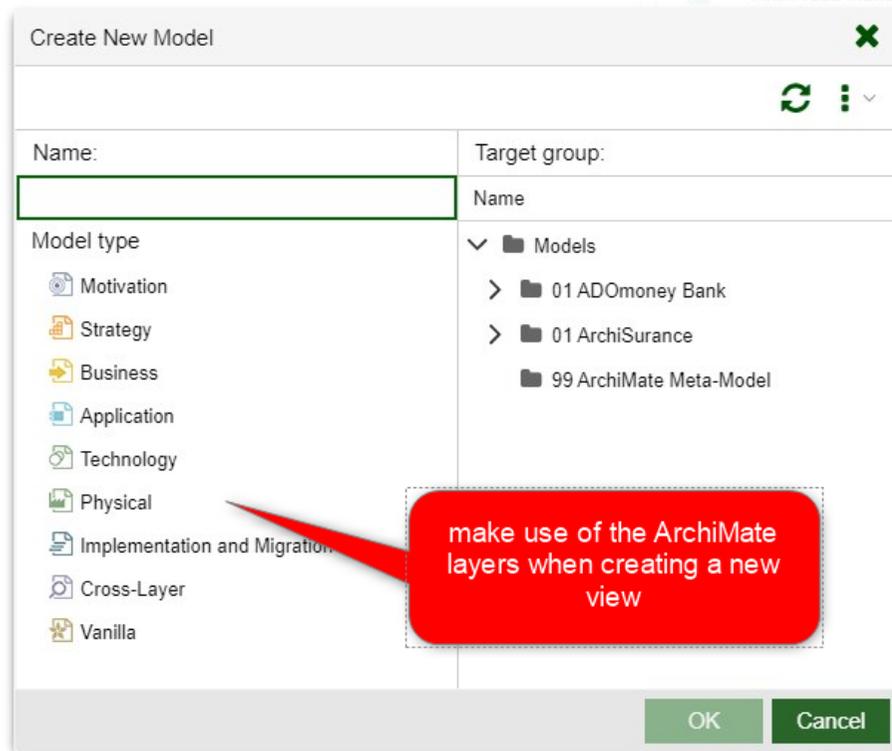


## Evidence of Compliance (3.1) – B

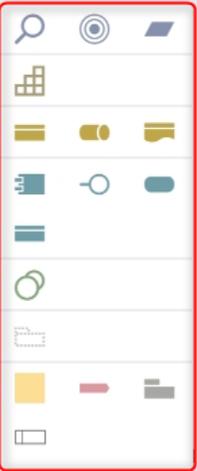
- Each conforming product shall enable users to create model views using any combination of new elements and relationships and those that may already exist within the model.
- Each conforming product shall provide a comprehensive viewpoint with all standard language elements and relationship types.



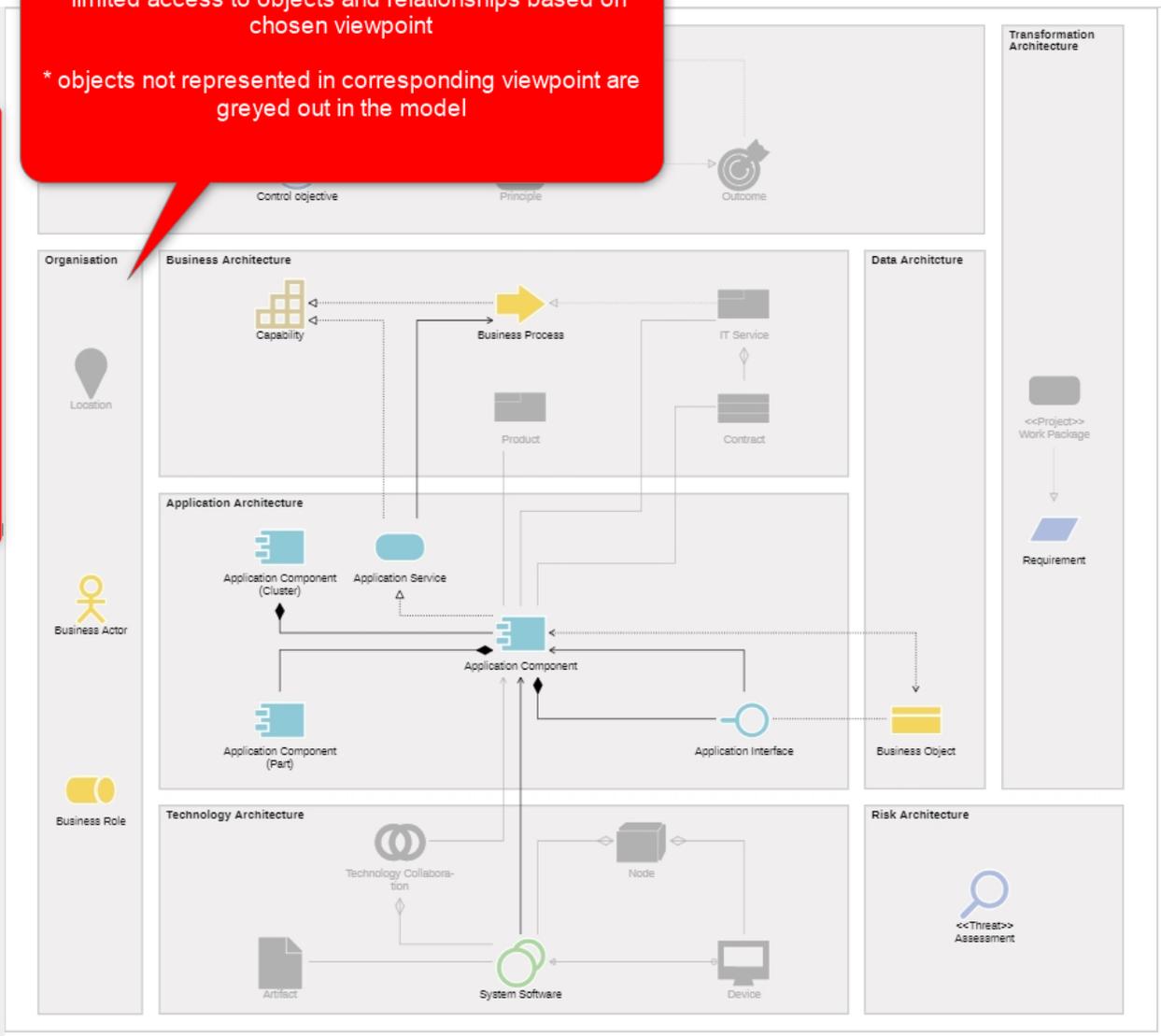
- Each view shall be based on a particular viewpoint that serves as a template for the view.
- Each view may contain only the language element and relationship types specified in the definition of its viewpoint.







\* limited access to objects and relationships based on chosen viewpoint  
\* objects not represented in corresponding viewpoint are greyed out in the model



- Each conforming product shall enable users to present ArchiMate elements and relationships from a single underlying model in multiple views, or in multiple instances in the same view. Therefore, any changes to the content of one view shall be reflected throughout all views of the same model that share any added, changed, or deleted ArchiMate elements and relationships. This means that any changes to objects, object properties, or relationships in one view shall be reflected in all views that present the changed objects, object properties, or relationships.

→ See video “2.1.4 Demo.mp4”.

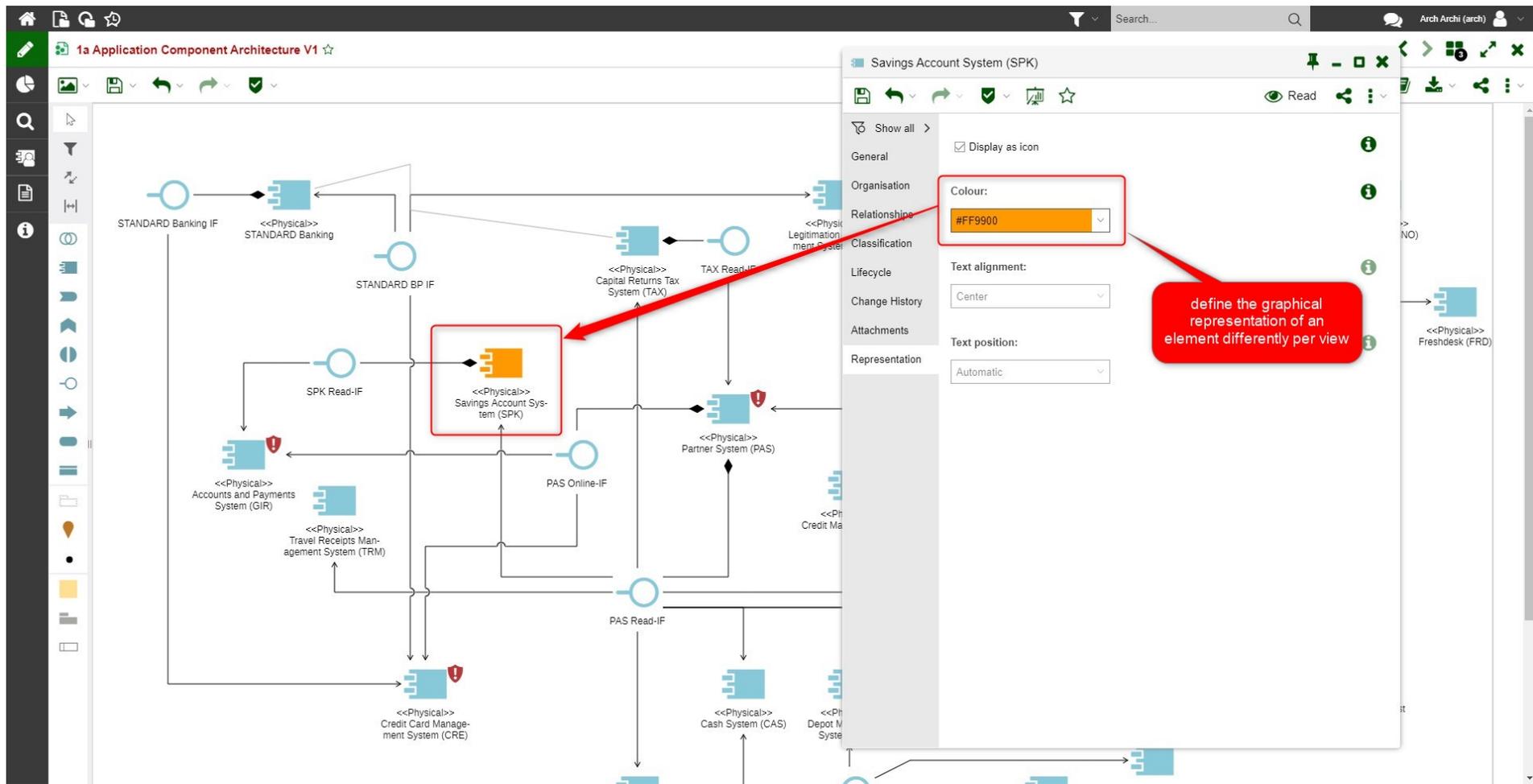
- A conforming product shall track the occurrences of objects in different views.

The screenshot displays the ArchiMate tool interface. On the left, a tree view shows the structure of a 'Partner System (PAS)' model, including folders for '02 Services', '03 Business Objects', and '04 Application Services'. A context menu is open over the 'Partner System (PAS)' folder, listing actions such as 'Open', 'Rename', 'Delete', 'Copy', 'Paste', 'Remove from favourites', 'Usage analysis', 'Reports', 'Import/Export', and 'More'. The 'Usage analysis' option is selected, which has opened a sub-menu with 'References (Usage analysis)', 'Usage overview', and 'Usage in models'. The 'Usage in models' option is also selected, leading to a dialog box titled 'Partner System (PAS) (Application Component): Usage in Models'. This dialog box contains a table with the following data:

	Type	Name ↑
1		1a Application Component Architecture V1
2		2 Application Component & System Software
3		2 Application Component Portfolio
4		3 Applications Components and Supported Application Services
5		5 Application Component Impact: Partner System (PAS)
6		6 Application Interface Report: Partnersystem (PAS)
7		Clustermap: Capability > Application Component > Application Service
8		[Geschäfts-Prozess >Zugriff> Geschäfts-Objekt <Zugriff< Applikations-Ko...
9		[Geschäfts-Prozess >Zugriff> Geschäfts-Objekt <Zugriff< Applikations-Ko...

At the bottom of the dialog box, there are 'Open' and 'Cancel' buttons.

- Each conforming product shall enable users to use different scaling or coloration for multiple representations of any single element or relationship in a single view or in multiple views.
- A conforming product shall allow for different graphical notations for an object in different views.



# Evidence of Compliance (3.1) – C

The screenshot displays the Archi42 software interface. On the left, a 'Models' sidebar lists various project models, with '10-All-relationship-plus-3.1-features' selected and highlighted in green. A red arrow points from this selection to the main diagram area. The main area contains a complex architectural diagram with the following components and relationships:

- Business Processes:** A flow starting with 'Receive request' and 'Process request' leading to 'Collect Premium'. This is supported by 'Bank' and 'Finance' entities.
- Application Layer:** Features 'Application Component' which is supported by 'Ruby Application Component', 'Python Application Component', and 'C++ Application Component'. Below these are 'BRIMS', 'P-CONFIG', and 'SIM-INSURE'.
- Infrastructure:** Includes 'Web front-end', 'Q-CLAIM', 'Content Repository', 'Application Container', 'Internet Web Hosting', 'Application Hosting', 'Internet Web Server', and 'Application Server'.
- Customer Interaction:** 'Provide personal assistance to customer' and 'Provide online portfolio and claims management' are linked to 'Systems should be customer facing' and 'Additional personnel cost should be limited'.
- Customer Satisfaction:** A central node 'Customer satisfaction' is linked to 'Single point of access for all insurance products', 'Frequent customer complaint...', 'Integrated portfolio and claims management', and 'Loss of customers'.
- Backend & Analytics:** 'Business Analytics Suite' feeds into an 'Enterprise Data Warehouse' containing 'Market Statistics', 'Market Analysis', 'Product Analysis', 'Candidate Business Rule Set', and 'Candidate Product Configuration'. 'ArchiSurance Back Office Suite' is also shown.
- Acquisition & Support:** 'Acquire Insurance Product' process includes 'Develop Product', 'Market and Sell...', 'Manage Policies...', and 'Serve Customers'. 'Digital customer intimacy strategy' is supported by 'Customer Care' and 'IT Management'.
- Other Elements:** 'Claims' and 'VERSACLAIM' are linked to 'Online insurance portfolio and claims management'. 'Claim submission' is also shown.

The interface includes a top navigation bar with search and user options, and a bottom toolbar with various tool icons. A 'Schließen' button is visible in the bottom right corner of the diagram area.

- ➔ See “2020.08.19 - ArchiMate Exchange Format Live Demo (Import into ADOIT).mp4” for a live ADOIT demo of importing the test model provided by The Open Group into ADOIT
- ➔ See “Interoperability Testing Area\_Test Model\_Test Model-3.1.xml” for the used test model provided by The Open Group
- ➔ See “2020.08.19 - ArchiMate Exchange Format Live Demo (Export from ADOIT).mp4” for a live ADOIT demo of exporting the test model provided by The Open Group from ADOIT
- ➔ See “2020.08.19 - Export from ADOIT (en).xml” for the exported test model provided by The Open Group from ADOIT

## Evidence for Additional Options (3.2) – B

### 03 Implementation and Migration View ☆



		All	Motivation
		Application Cooperation Viewpoint	Organization Viewpoint
		Application Layer	Outcome Realization Viewpoint
		Application Usage Viewpoint	Physical Layer
		Business Layer	Physical Viewpoint
		Business Process Cooperation Viewpoint	Product Viewpoint
		Capability Map Viewpoint	Project Viewpoint
		Goal Realization Viewpoint	Requirements Realization Viewpoint
		Implementation and Deployment Viewpoint	Resource Map Viewpoint
		Implementation and Migration Layer	Service Realization Viewpoint
		Implementation and Migration Viewpoint	Stakeholder Viewpoint
		Information Structure Viewpoint	Strategy Layer
		Layered Viewpoint	Strategy Viewpoint
		Migration Viewpoint	Technology Layer
			Technology Usage Viewpoint
			Technology Viewpoint

## Evidence for Additional Options (3.2) – C

The screenshot displays the ArchiMate editor interface for a concept named 'ArchiSurance'. The left sidebar shows navigation options: General, Organisation, Relationships, Lifecycle, Change History, Attachments, and Representation. The main area shows the 'Name' field with 'ArchiSurance' and the 'ID' field which is empty. Below these is the 'Specialisation' dropdown menu, which is currently open, showing a list of predefined specializations: 'No entry', 'Individual', 'Organizational unit', 'Organization', 'Threat agent', and 'Other'. The 'Organization' option is highlighted in green. A red callout box with white text points to the 'Organization' option in the dropdown menu, stating: 'support for the predefined specializations of the ArchiMate concepts according to Chapter 15 (Language Customization Mechanisms) of the ArchiMate Specification'. The top of the window shows standard window controls and a toolbar with icons for save, undo, redo, check, star, read, share, and help.

ArchiSurance

Read

Show all >

General

Organisation

Relationships

Lifecycle

Change History

Attachments

Representation

Name: ArchiSurance

ID:

Specialisation:

Organization

No entry

Individual

Organizational unit

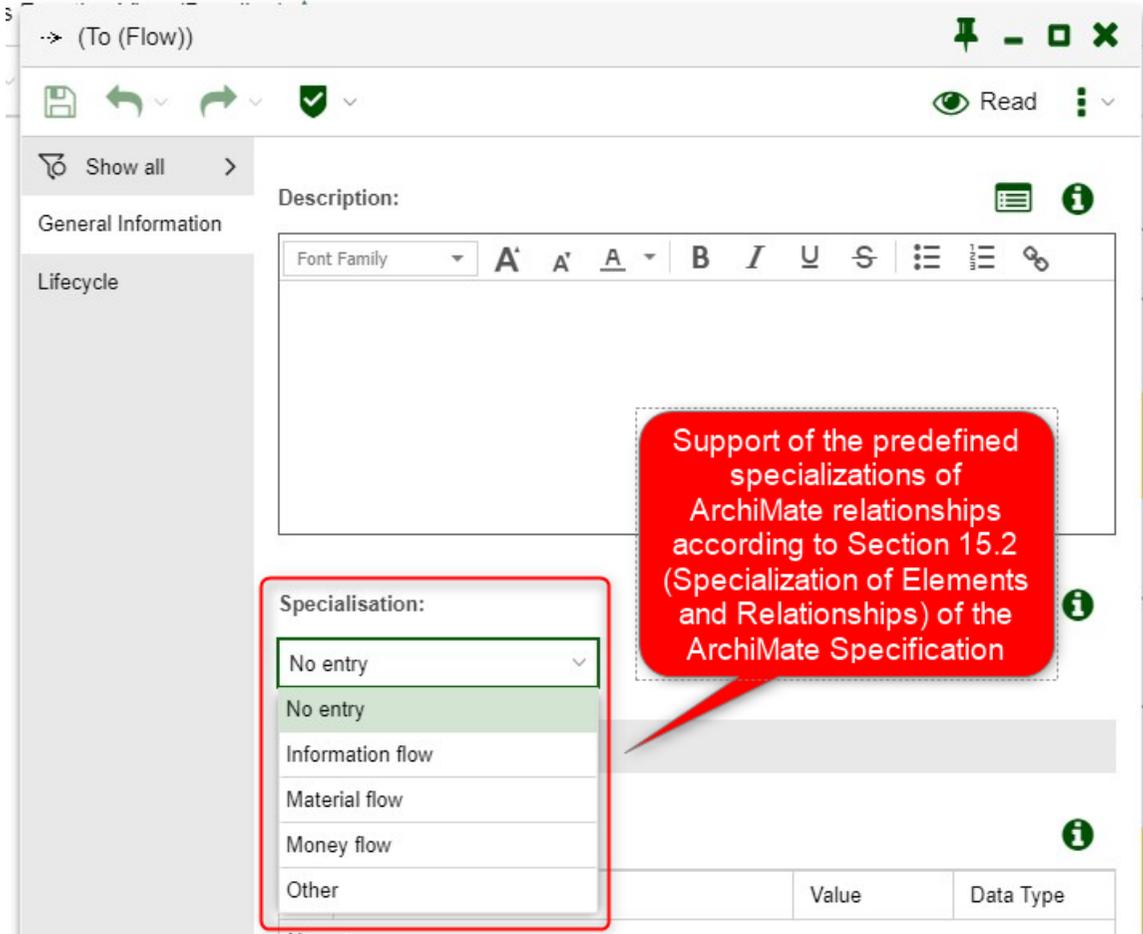
Organization

Threat agent

Other

support for the predefined specializations of the ArchiMate concepts according to Chapter 15 (Language Customization Mechanisms) of the ArchiMate Specification

A B I U S

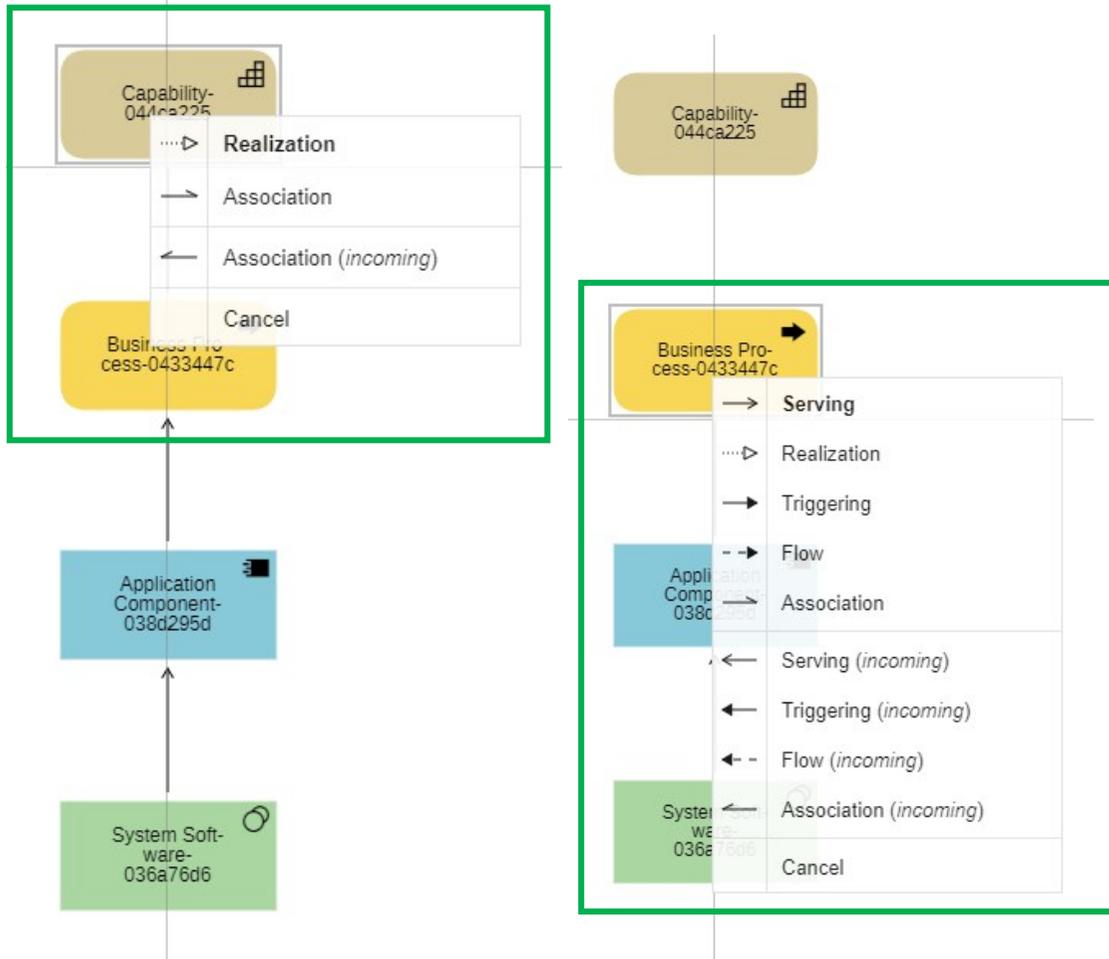




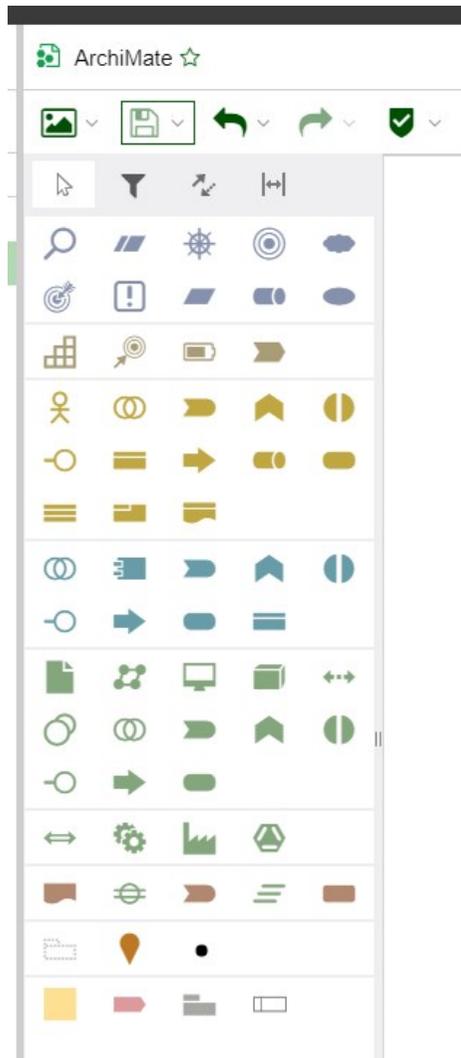
### Mechanisms to Provide the Compliance Evidence (3.3)

- The set of reference views (evidence of compliance with Section 3.1 and 3.2 of the Conformance Requirements document) exported in the ArchiMate 3.0 Model Exchange File Format (when available)
  - ➔ See “Full ADOIT export (models and objects) (en).xml” for a full export of all ArchiMate models and objects in ADOIT using the ArchiMate Exchange File Format
- Evidence of successful import from a set of ArchiMate 3.0 Model Exchange File Format reference models
  - ➔ See “ArchiMate Exchange Format Live Demo (Import into ADOIT).mp4” for a recorded video of importing the Open Group test model into ADOIT by using the ArchiMate Exchange File Format
- Evidence of successful import from and export to two other tools in the ArchiMate 3.1 Model Exchange File Format
  - ➔ Import and export only tested with open source tool “Archi” as we didn’t have access to a second tool supporting the ArchiMate Exchange File Format
  - ➔ See “Import from Archi to ADOIT.mp4” for a recorded video of importing a test model from the open source tool “Archi” into ADOIT using the ArchiMate Exchange File Format
  - ➔ See “Export from ADOIT to Archi.mp4” for a recorded video of exporting a test model from ADOIT into the open source tool “Archi” using the ArchiMate Exchange File Format
- In addition, one of the following:
  - A recorded live demo demonstrating how the tool complies (mp4 format or similar)
  - A printed version of the models (pdf format)
  - ➔ See links to recorded videos above
  - ➔ See “ADOIT Standard Report (01 Business Goals 2019).pdf” for a generated PDF report of an ArchiMate model in ADOIT

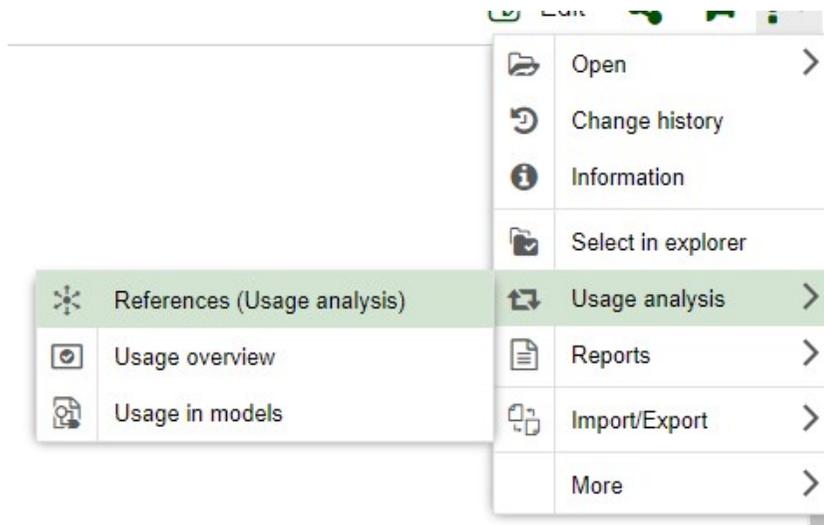
# M1. Concept Coverage (2.1.1) – 4



## M1. Concept Coverage (2.1.1) – 5



## M7. Viewpoint Support (2.1.4) – 1



Partner System (PAS) (Application Component): Usage in Models		
	Type	Name ↑
1		1a Application Component Architecture V1
2		2 Application Component & System Software
3		2 Application Component Portfolio
4		3 Applications Components and Supported Application Services
5		5 Application Component Impact: Partner System (PAS)
6		6 Application Interface Report: Partnersystem (PAS)
7		Clustermap: Capability > Application Component > Application Service
8		[Business Process >accesses> Business Object <accesses< Application Component...
9		[Geschäfts-Prozess >Zugriff> Geschäfts-Objekt <Zugriff< Applikations-Komponente ...

Partner System (PAS) ( Application Component )

Filters

- Application Component[2]
  - (Incoming) Composed of[1]
    - Core Banking System (CBS) → Partner Syst...
  - (Incoming) Replaced application...
    - Business Partner → Partner Syst...
- Application Interface[4]
  - (Incoming) Serves[2]
    - ICS Read-IF → Partner Syst...
    - TAX Read-IF → Partner Syst...
  - (Outgoing) Composed of[2]
    - PAS Online-IF ← Partner Syst...
    - PAS Read-IF ← Partner Syst...
- Application Service[1]

OK