

ArchiMate 3.1 Tool

Orbus Software – Tool Certification Supporting Evidence



Contents

| | | |
|------|---|----|
| 1 | ArchiMate Elements Overview..... | 3 |
| 1.1 | All Concepts View..... | 3 |
| 1.2 | Generic Metamodel: Behavior & Structure Elements | 4 |
| 1.3 | ArchiMate 3.1 Application Layer Metamodel..... | 5 |
| 1.4 | ArchiMate 3.1 Business Layer Metamodel | 6 |
| 1.5 | ArchiMate 3.1 Cross-Layer Dependencies | 7 |
| 1.6 | ArchiMate 3.1 Implementation and Migration Elements Metamodel | 8 |
| 1.7 | ArchiMate 3.1 Motivation Elements Metamodel..... | 9 |
| 1.8 | ArchiMate 3.1 Physical Elements Metamodel | 10 |
| 1.9 | ArchiMate 3.1 Strategy Elements Metamodel..... | 11 |
| 1.10 | ArchiMate 3.1 Technology Layer Metamodel..... | 12 |
| 2 | Sample Models..... | 13 |
| 2.1 | ArchiSurance - Application Cooperation Viewpoint | 13 |
| 2.2 | ArchiSurance - Application Structure Viewpoint..... | 13 |
| 2.3 | ArchiSurance - Application Usage Viewpoint | 14 |
| 2.4 | ArchiSurance - Business Process Cooperation Viewpoint..... | 15 |
| 2.5 | ArchiSurance - Capability Map Viewpoint | 16 |
| 2.6 | ArchiSurance - Capability Realization Viewpoint | 17 |
| 2.7 | ArchiSurance - Goal Realization Viewpoint..... | 17 |
| 2.8 | ArchiSurance - Implementation and Deployment Viewpoint | 18 |
| 2.9 | ArchiSurance - Implementation and Migration Viewpoint | 19 |
| 2.10 | ArchiSurance - Information Structure Viewpoint | 20 |
| 2.11 | ArchiSurance - Layered Viewpoint..... | 20 |
| 2.12 | ArchiSurance - Migration Viewpoint..... | 21 |
| 2.13 | ArchiSurance - Motivation Viewpoint..... | 22 |
| 2.14 | ArchiSurance - Organization Viewpoint..... | 23 |
| 2.15 | ArchiSurance - Outcome Realization Viewpoint..... | 24 |
| 2.16 | ArchiSurance - Physical Viewpoint | 25 |
| 2.17 | ArchiSurance - Product Viewpoint | 26 |
| 2.18 | ArchiSurance - Project Viewpoint..... | 27 |
| 2.19 | ArchiSurance - Requirements Realization Viewpoint..... | 28 |
| 2.20 | ArchiSurance - Resource Map Viewpoint..... | 29 |
| 2.21 | ArchiSurance - Service Realization Viewpoint | 30 |
| 2.22 | ArchiSurance - Stakeholder View | 31 |
| 2.23 | ArchiSurance - Strategy Viewpoint..... | 32 |
| 2.24 | ArchiSurance - Technology Usage Viewpoint | 33 |
| 2.25 | ArchiSurance - Technology Viewpoint..... | 34 |

| | | |
|------|--|----|
| 2.26 | ArchiSurance - Value Stream Viewpoint..... | 35 |
| 3 | Use of nesting | 36 |
| 4 | Changing of size, proportion & color | 37 |
| 5 | Relationship Notation & Coverage | 38 |
| 6 | Relationship Symbol Reuse | 39 |
| 7 | Viewpoint Support..... | 39 |
| 8 | Support for ArchiMate's File Exchange Format | 44 |
| 8.1 | Archi: | 46 |
| 8.2 | Visual Paradigm: | 47 |

1 ArchiMate Elements Overview

1.1 All Concepts View

ArchiMate® 3.1 Notation Overview

Business Layer Elements

- Business actor**: An element that represents a performing behavior.
- Business role**: The responsibility for performing specific behavior, where an actor takes on a role or plays a particular part.
- Business collaboration**: An aggregate of two or more business actors that work together to perform collective behavior.
- Business interface**: A point of access where a business actor is made available to the environment.
- Business process**: A sequence of business behaviors that achieves a specific business task as a defined set of activities or business activities.
- Business function**: A collection of business behavior based on a chosen set of criteria.
- Business interaction**: A set of collective business behaviors performed by collaboration of two or more business roles.
- Business event**: A business behavior element that denotes an organizational state change.
- Business service**: An explicitly defined business behavior.
- Business object**: A concept used within a particular business domain.
- Contract**: A formal/informal agreement that specifies the obligations with a partner.
- Representation**: The perspective form of the information used by a business actor.
- Product**: A defined collection of services, accompanied by a set of constraints, which is offered as a service to internal or external customers.

Application Layer Elements

- Application component**: An instantiation of application functionality aligned to implementation structure, which is modular and reusable.
- Application interface**: A point of access where application services are made available to a user, client, application component, or a node.
- Application interaction**: A set of collective application behaviors performed by two or more application components.
- Application event**: An application behavior element that denotes a state change.
- Data Object**: Data structured for automated processing.
- Application collaboration**: An aggregate of two or more application components that work together to perform collective behavior.
- Application function**: An automated behavior that can be performed by an application.
- Application process**: A sequence of application behaviors that achieves a specific business purpose.
- Application service**: An explicitly defined external application behavior.

Technology Elements

- Node**: A computational or physical resource that hosts, manipulates, or interacts with other computational or physical resources.
- Device**: A physical IT resource which system software and artifacts may be used for execution.
- System software**: Software that contributes to an environment for storing, executing, and using software or data despite other software.
- Technology collaboration**: An aggregate of two or more nodes that perform collective technology behavior.
- Technology interface**: A point of access where technology services offered by a node can be accessed.
- Path**: A set of nodes where technology services offered by a node can be accessed.
- Communication network**: Structures that connect, transport, and receive data.
- Technology function**: A collection of technology behavior that can be performed by a node.
- Technology process**: A sequence of technology behaviors that achieves a specific business purpose.
- Technology event**: A technology behavior element that denotes a state change.
- Technology interaction**: A set of collective technology behaviors performed by two or more nodes.
- Artifact**: A piece of data that is used or produced by software development processes, or the deployment and operation of a system.

Motivation Elements

- Stakeholder**: An individual, team or organization with an interest in the outcomes of the architecture.
- Driver**: External or internal condition that motivates an organization to define its goal and implement the changes necessary to achieve them.
- Assessment**: An analysis result of the state of affairs of the enterprise with respect to some driver.
- Goal**: A statement of intent, direction, or desired state that an organization.
- Outcome**: An end result that has been achieved.
- Principle**: A qualitative statement of intent that should be met by the architecture.
- Requirement**: A statement of need that must be met by the architecture.
- Constraint**: A factor that prevents or obstructs the realization of goals.
- Meaning**: The knowledge of important events in a scene element of a particular system.
- Value**: The relative worth, utility, or importance of a scene element or an enterprise.

Implementation and Migration Elements

- Work package**: A series of actions identified and defined by a business actor, which results with specified time and resource constraints.
- Implementation event**: A behavior element that denotes a state change related to implementation or migration.
- Plateau**: A stable state of the architecture that exists during a limited period of time.
- Gap**: A statement of difference between two plateaus.
- Deliverable**: A position defined outcome of a work package.

Physical Elements

- Equipment**: Physical machines, tools or components that are interconnected, store, move or transform information.
- Facility**: A physical structure or environment.
- Distribution Network**: A physical network used to transport material or energy.
- Material**: Tangible physical matter or physical element.
- Location**: A place or position where concrete elements can be located.

Composition Elements

- Grouping**: Composition context that brings together related or related components based on common characteristics.

Relationships

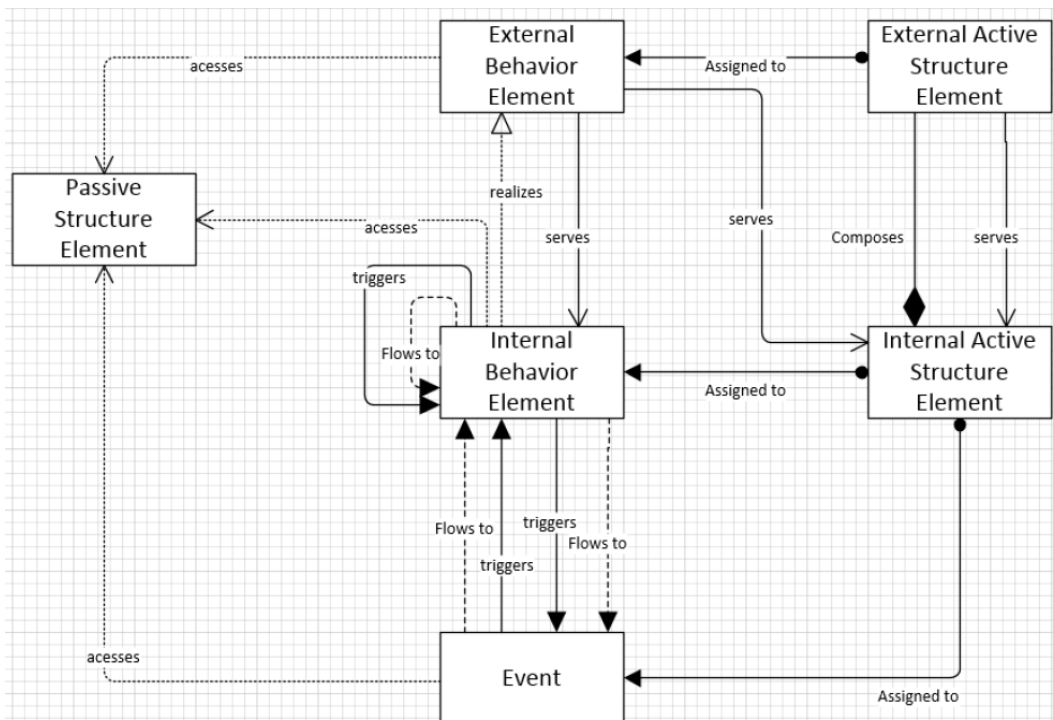
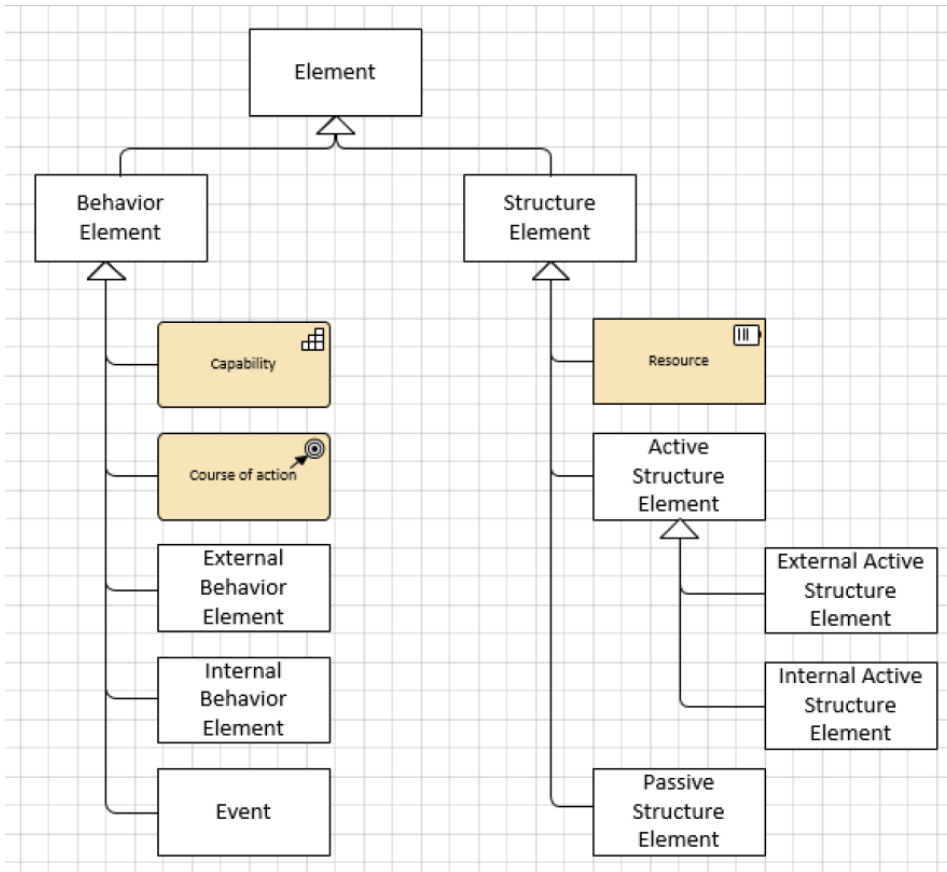
- Composition**: A relationship where one element is a part of another.
- Aggregation**: A relationship where one element is a part of another, but the part can exist independently.
- Assignment**: A relationship where one element is assigned to another.
- Realization**: A relationship where one element is a specific instance of another.
- Influence**: A relationship where one element affects another.
- Triggering**: A relationship where one element triggers another.
- Flow**: A relationship where one element flows into another.
- Association**: A relationship where one element is associated with another.

Strategy Elements

- Resource**: An asset owned or controlled by an individual or organization.
- Capability**: An ability that an actor derives from elements, such as an organization, person, or system, possessed.
- Course of action**: An approach to plan for satisfying some capabilities and resources under a goal.
- Value Stream**: A sequence of activities that creates an overall result for a customer, stakeholder, or end user.

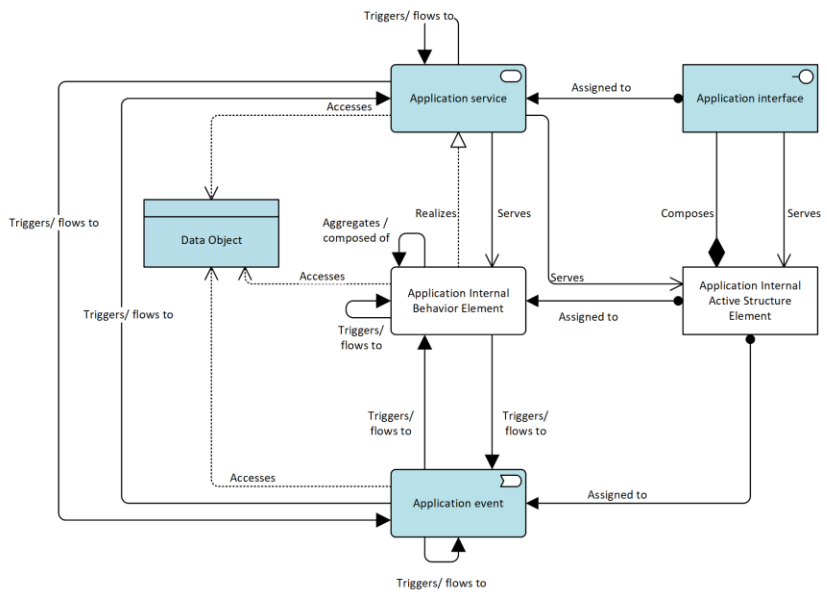
Page-1 All

1.2 Generic Metamodel: Behavior & Structure Elements



1.3 ArchiMate 3.1 Application Layer Metamodel

| ArchiMate 3.1 Application Layer Metamodel | | | | | |
|---|----------|--|---------|-----------------------------------|----------------------------------|
| Microsoft Visio Drawing | VERSION: | | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: |
| | | | | | 8/3/2020 by System Administrator |

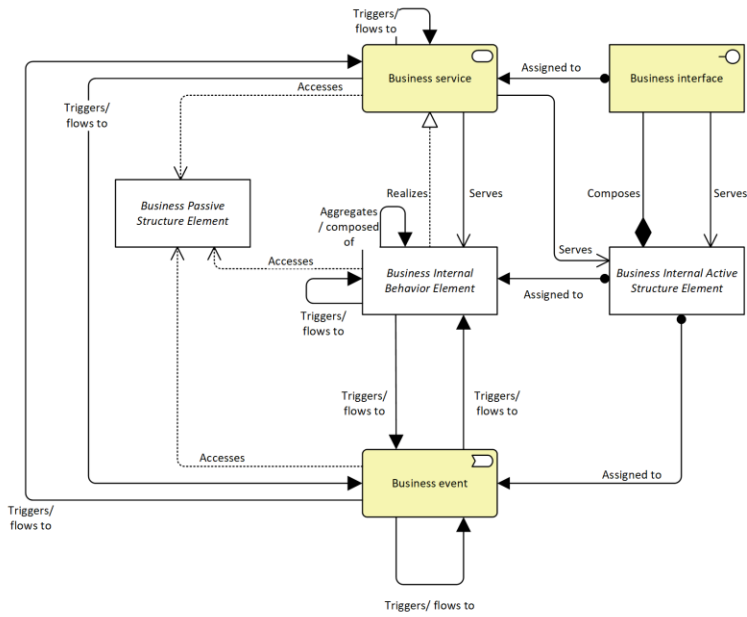


Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

1.4 ArchiMate 3.1 Business Layer Metamodel

ArchiMate 3.1 Business Layer Metamodel

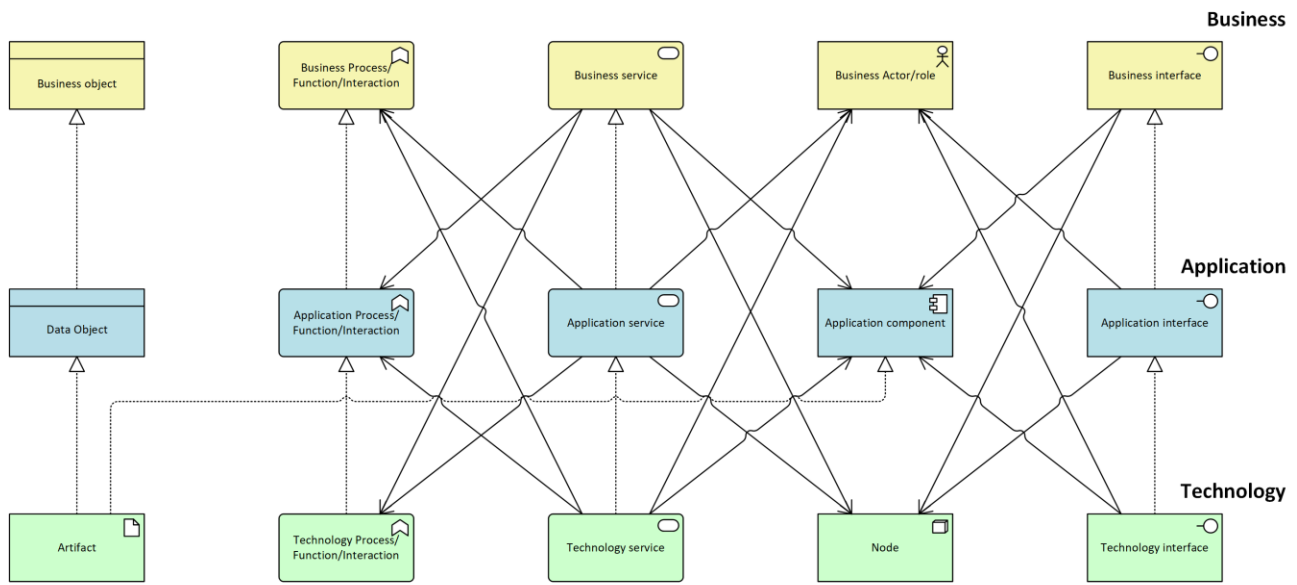
| | | | | | |
|-------------------------|----------|---------|-----------------------------------|-----------------|----------------------------------|
| Microsoft Visio Drawing | VERSION: | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: | 8/3/2020 by System Administrator |
|-------------------------|----------|---------|-----------------------------------|-----------------|----------------------------------|



Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

1.5 ArchiMate 3.1 Cross-Layer Dependencies

| ArchiMate 3.1 Cross-Layer Dependencies | | | | | |
|--|----------|---------|-----------------------------------|-----------------|----------------------------------|
| Microsoft Visio Drawing | VERSION: | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: | 8/3/2020 by System Administrator |



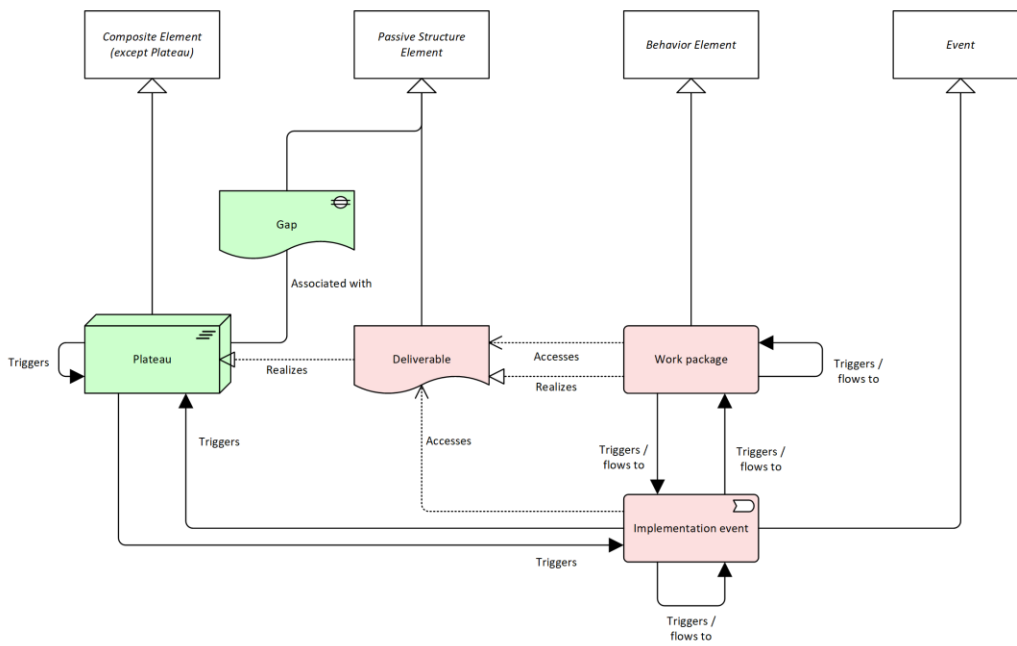
Note: This figure does not show all permitted relationships: there are indirect relationships that can be derived.



1.6 ArchiMate 3.1 Implementation and Migration Elements Metamodel

ArchiMate 3.1 Implementation and Migration Elements Metamodel

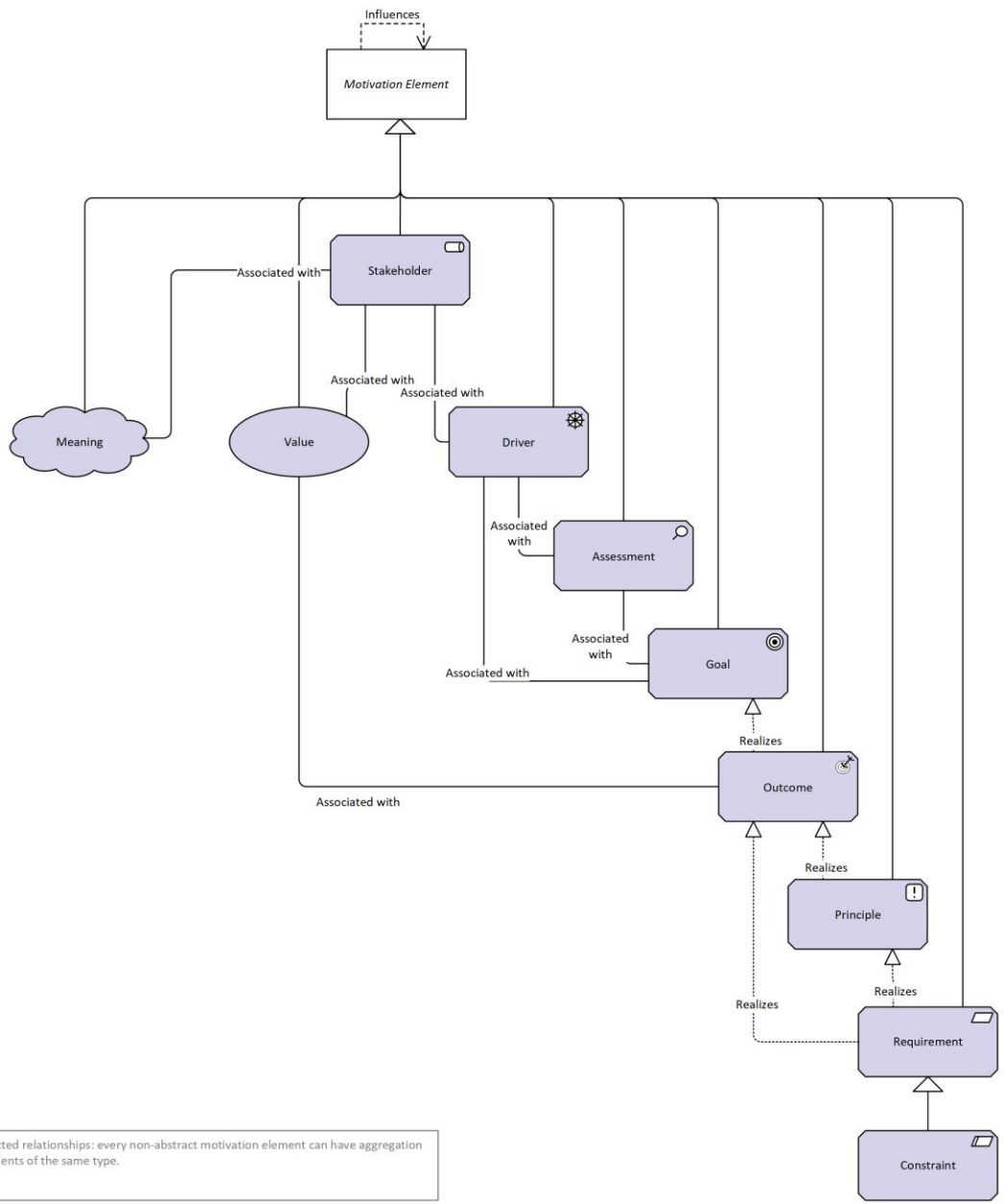
Microsoft Visio Drawing VERSION: AUTHOR: 5/21/2020 by System Administrator VERSION AUTHOR: 8/3/2020 by System Administrator



Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

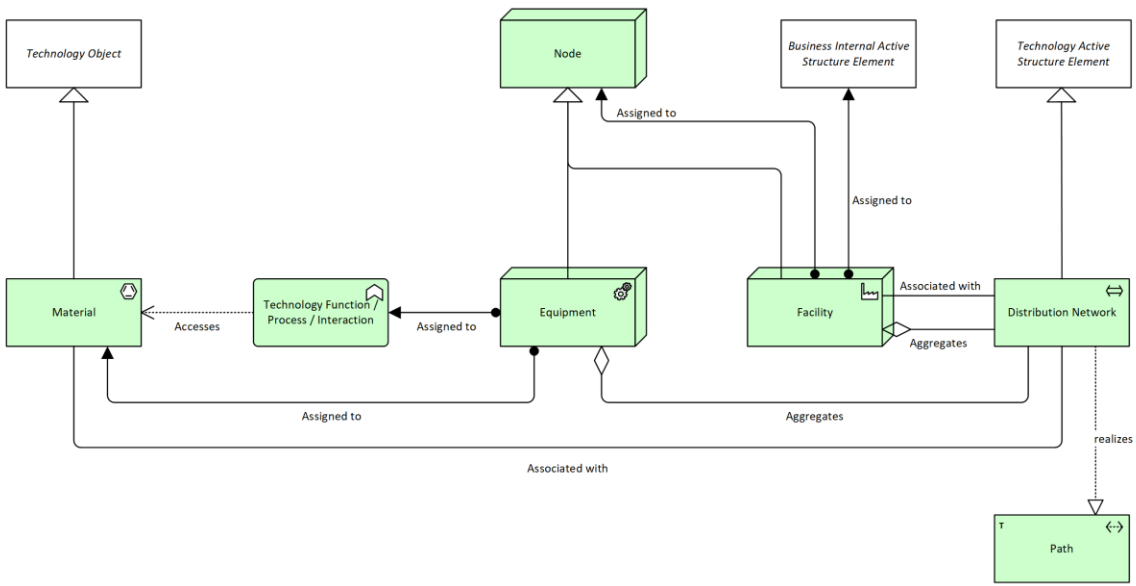
1.7 ArchiMate 3.1 Motivation Elements Metamodel

| ArchiMate 3.1 Motivation Elements Metamodel | | | | | |
|---|----------|---------|-----------------------------------|-----------------|----------------------------------|
| Microsoft Visio Drawing | VERSION: | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: | 8/3/2020 by System Administrator |



1.8 ArchiMate 3.1 Physical Elements Metamodel

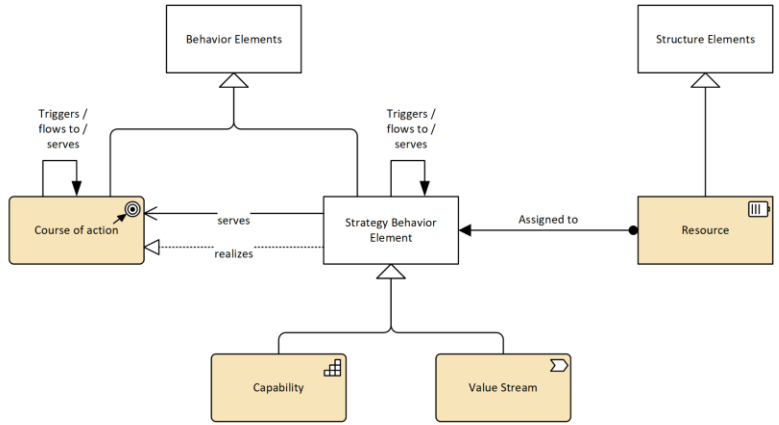
| ArchiMate 3.1 Physical Elements Metamodel | | | | | |
|---|----------|--|---------|-----------------------------------|----------------------------------|
| Microsoft Visio Drawing | VERSION: | | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: |
| | | | | | 8/3/2020 by System Administrator |



Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

1.9 ArchiMate 3.1 Strategy Elements Metamodel

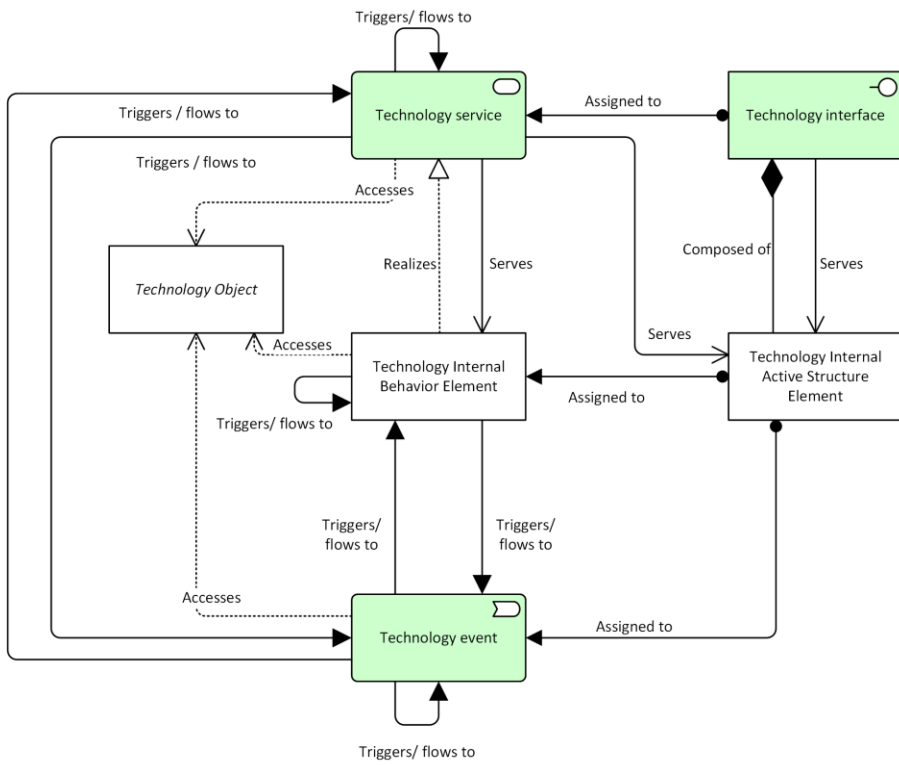
| ArchiMate 3.1 Strategy Elements Metamodel | | | | | |
|---|----------|--|---------|-----------------------------------|-----------------|
| Microsoft Visio Drawing | VERSION: | | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: |
| | | | | 9/4/2020 by System Administrator | |



Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

1.10 ArchiMate 3.1 Technology Layer Metamodel

| ArchiMate 3.1 Technology Layer Metamodel | | | | | |
|--|----------|--|---------|-----------------------------------|--|
| Microsoft Visio Drawing | VERSION: | | AUTHOR: | 5/21/2020 by System Administrator | VERSION AUTHOR: 8/3/2020 by System Administrator |

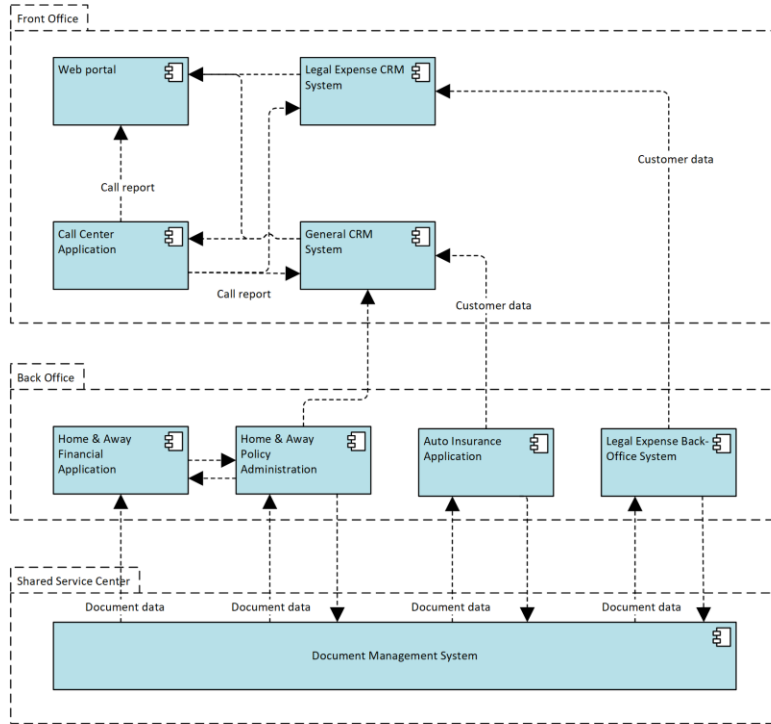


Note: This figure does not show all permitted relationships: every element in the language can have composition, aggregation, and specialization relationships with elements of the same type; furthermore, there are indirect relationships that can be derived.

2 Sample Models

2.1 ArchiSurance - Application Cooperation Viewpoint

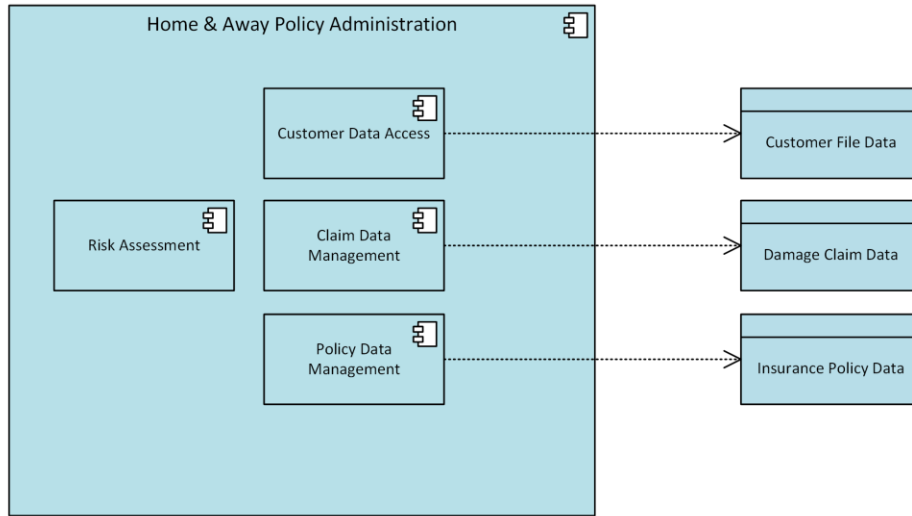
| ArchiSurance - Application Cooperation Viewpoint | | | | | |
|--|----------|--|---------|-----------------------------------|---|
| AM3.1 Application Cooperation Viewpoint | VERSION: | | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: 8/21/2020 by System Administrator |



2.2 ArchiSurance - Application Structure Viewpoint

ArchiSurance - Application Structure Viewpoint

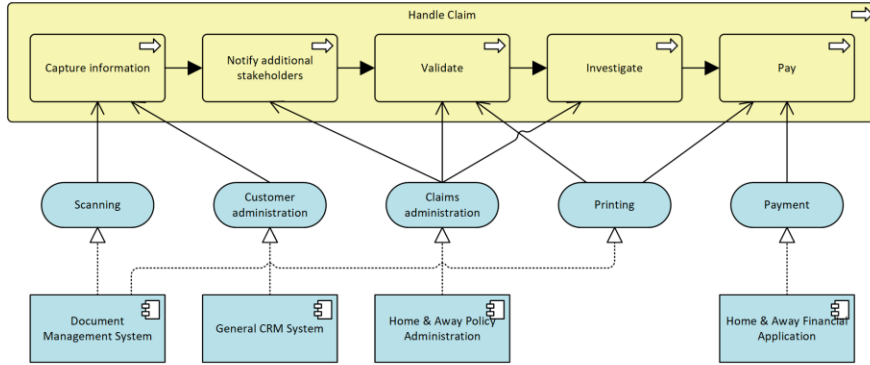
| | | | |
|---------------------------------------|------------|--|--|
| AM3.1 Application Structure Viewpoint | VERSION: 1 | AUTHOR: 8/4/2020 by System Administrator | VERSION AUTHOR: 8/4/2020 by System Administrator |
|---------------------------------------|------------|--|--|



2.3 ArchiSurance - Application Usage Viewpoint

ArchiSurance - Application Usage Viewpoint

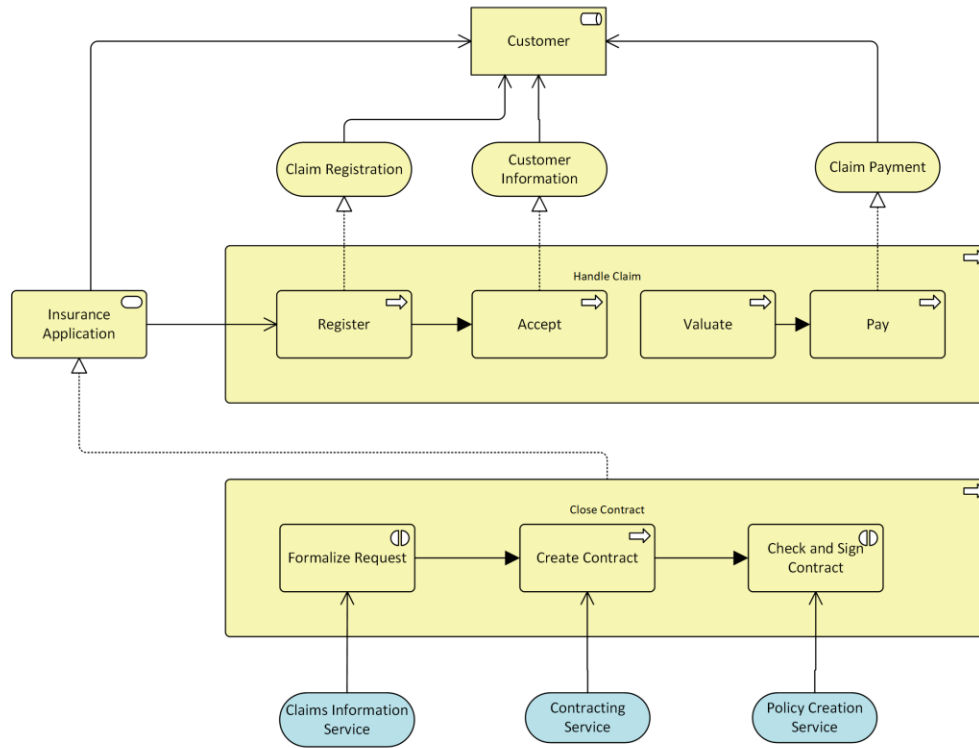
| | | | | | |
|-----------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Application Usage Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|-----------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



2.4 ArchiSurance - Business Process Cooperation Viewpoint

ArchiSurance - Business Process Cooperation Viewpoint

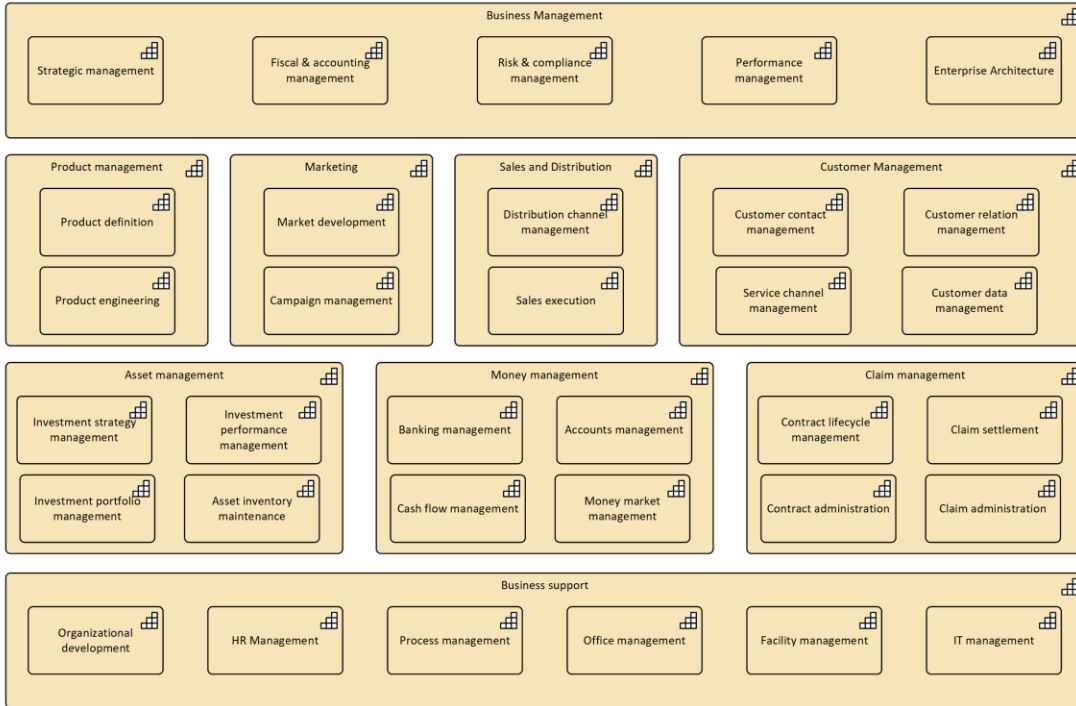
| | | | | | | |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Business Process Cooperation Viewpoint | VERSION: | 1 | AUTHOR: | 8/12/2020 by System Administrator | VERSION AUTHOR: | 8/12/2020 by System Administrator |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.5 ArchiSurance - Capability Map Viewpoint

ArchiSurance - Capability Map Viewpoint

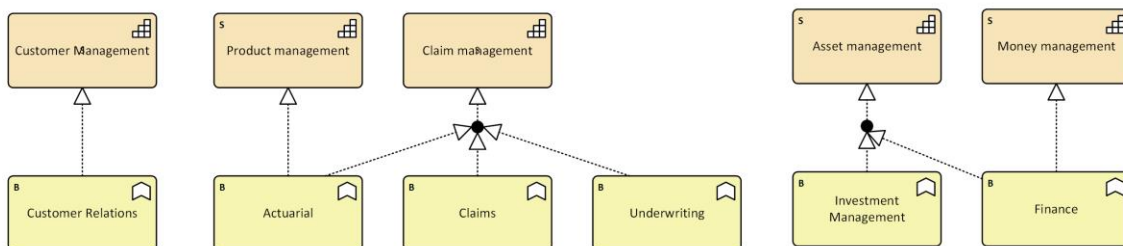
| | | | | | |
|--------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Capability Map Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|--------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



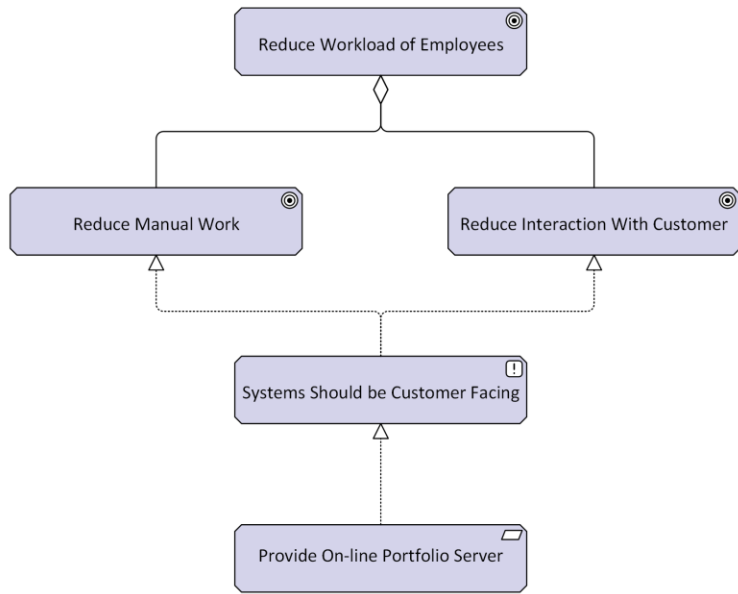
2.6 ArchiSurance - Capability Realization Viewpoint

ArchiSurance - Capability Realization Viewpoint

| | | | | | |
|-------------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Outcome Realization Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|-------------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



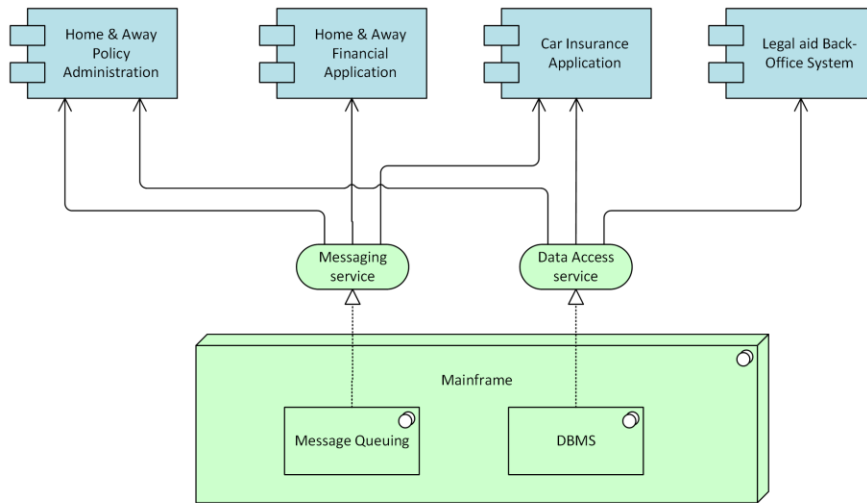
2.7 ArchiSurance - Goal Realization Viewpoint



2.8 ArchiSurance - Implementation and Deployment Viewpoint

ArchiSurance - Implementation and Deployment Viewpoint

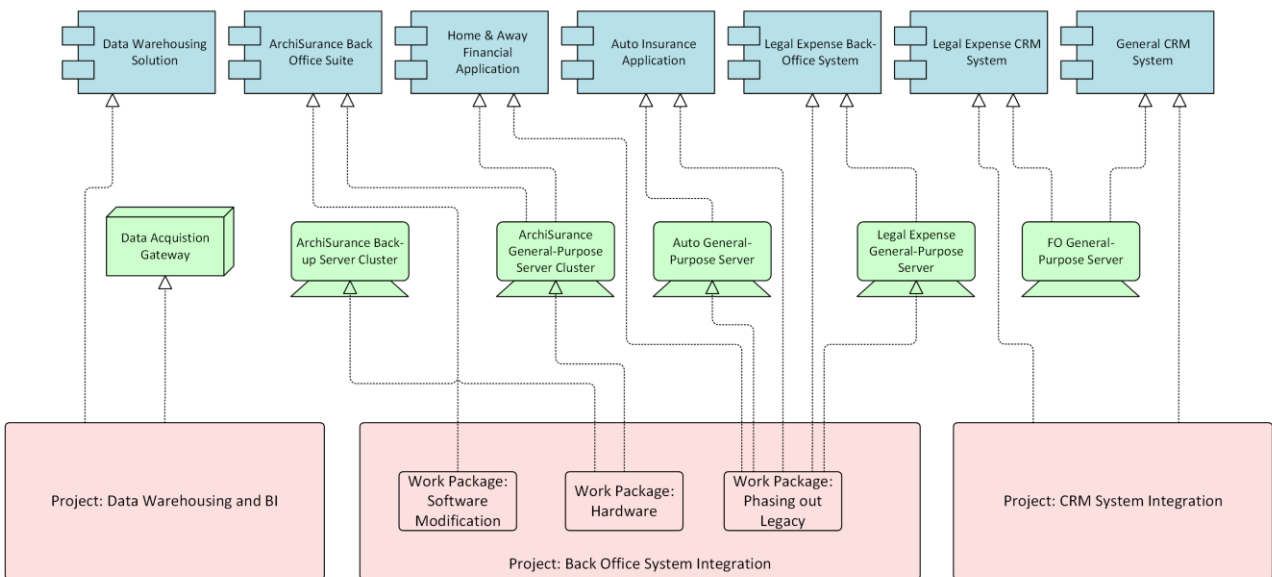
| | | | | | | |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Implementation and Deployment Platform Viewpoint | VERSION: | 2 | AUTHOR: | 8/12/2020 by System Administrator | VERSION AUTHOR: | 8/12/2020 by System Administrator |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.9 ArchiSurance - Implementation and Migration Viewpoint

ArchiSurance - Implementation and Migration Viewpoint

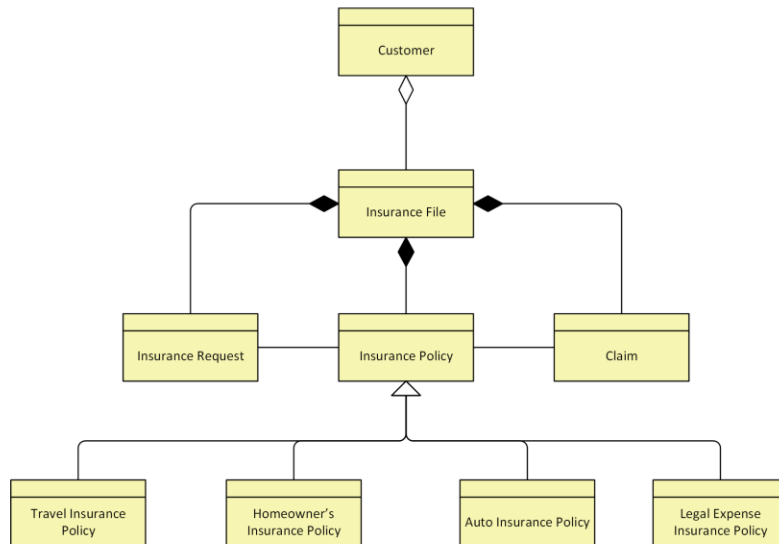
| | | | | | | |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Implementation and Migration Viewpoint | VERSION: | 1 | AUTHOR: | 8/12/2020 by System Administrator | VERSION AUTHOR: | 8/12/2020 by System Administrator |
|--|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.10 ArchiSurance - Information Structure Viewpoint

ArchiSurance - Information Structure Viewpoint

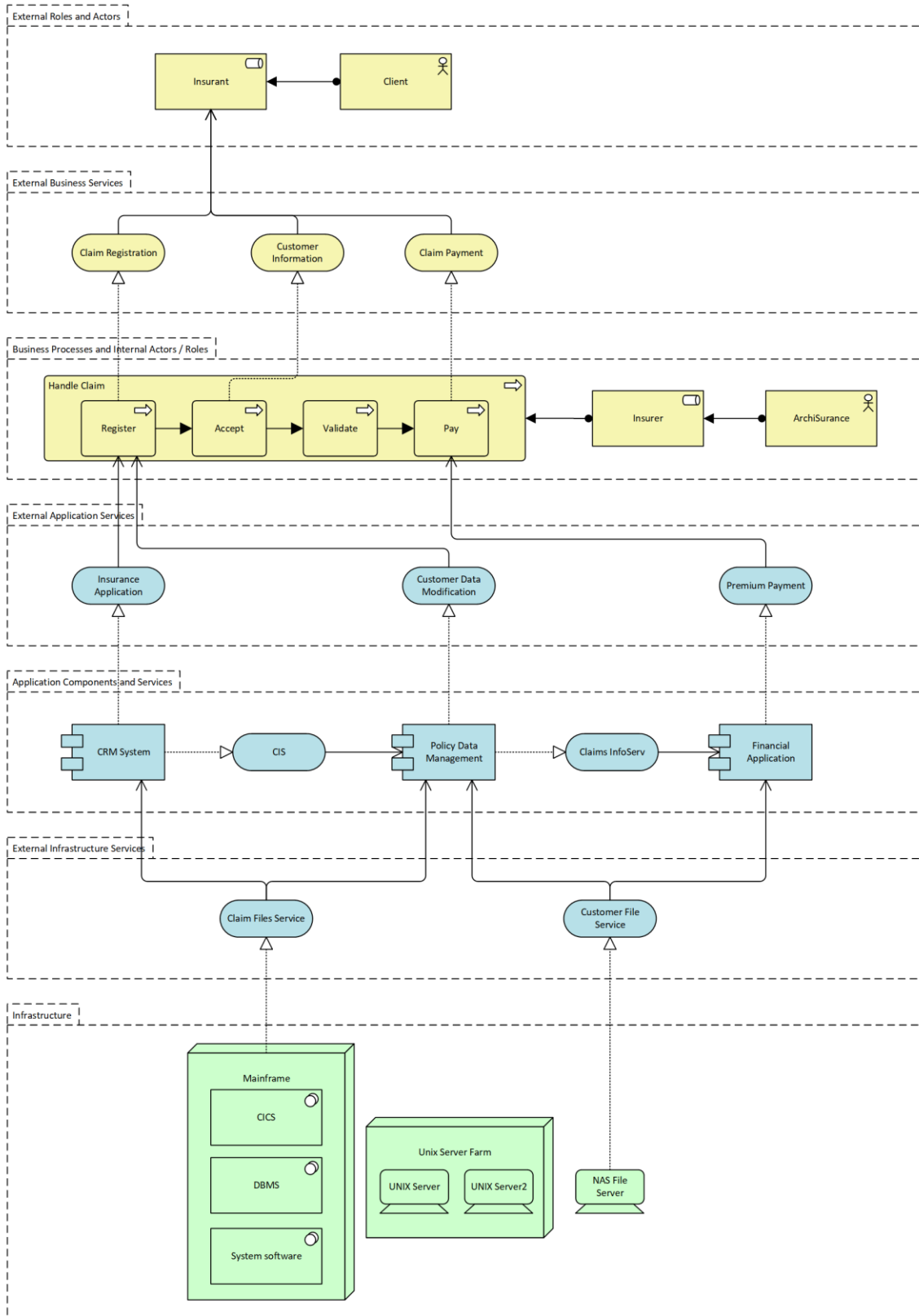
| | | | | | |
|---------------------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|
| AM3.1 Information Structure Viewpoint | VERSION: | AUTHOR: | 8/5/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|---------------------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|



2.11 ArchiSurance - Layered Viewpoint

ArchiSurance - Layered Viewpoint

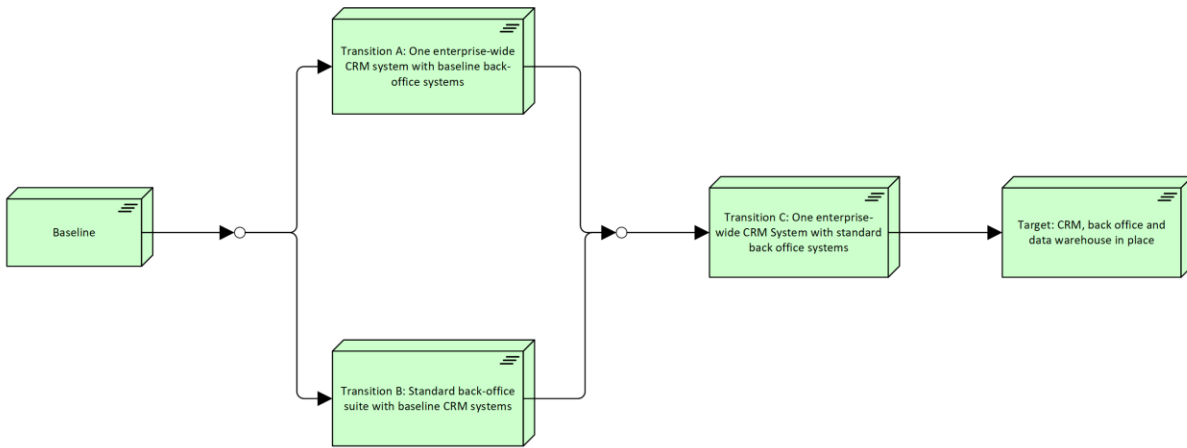
| | | | | | | |
|-------------------------|----------|---|---------|----------------------------------|-----------------|----------------------------------|
| AM3.1 Layered Viewpoint | VERSION: | 1 | AUTHOR: | 8/7/2020 by System Administrator | VERSION AUTHOR: | 8/7/2020 by System Administrator |
|-------------------------|----------|---|---------|----------------------------------|-----------------|----------------------------------|



2.12 ArchiSurance - Migration Viewpoint

ArchiSurance - Migration Viewpoint

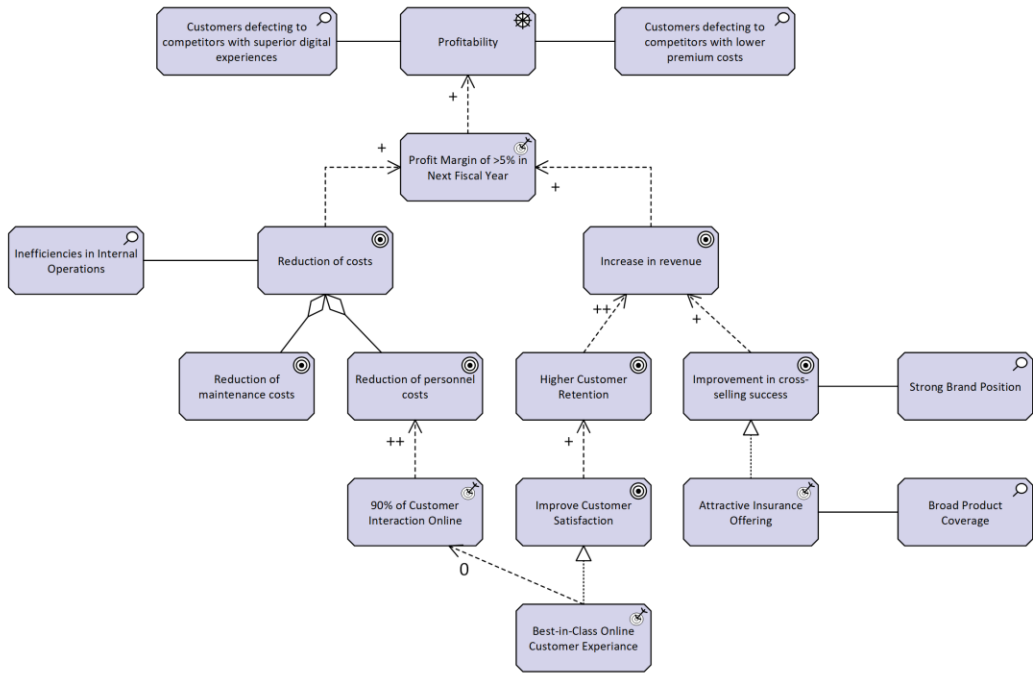
| | | | | | |
|---------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Migration Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|---------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



2.13 ArchiSurance - Motivation Viewpoint

ArchiSurance - Motivation Viewpoint

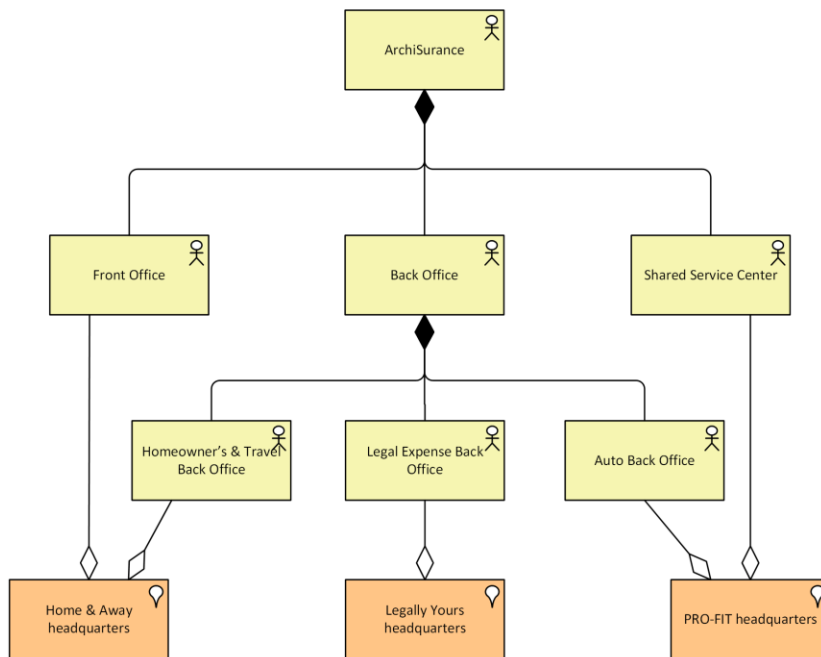
| | | | | | |
|----------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Motivation Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|----------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



2.14 ArchiSurance - Organization Viewpoint

ArchiSurance - Organization Viewpoint

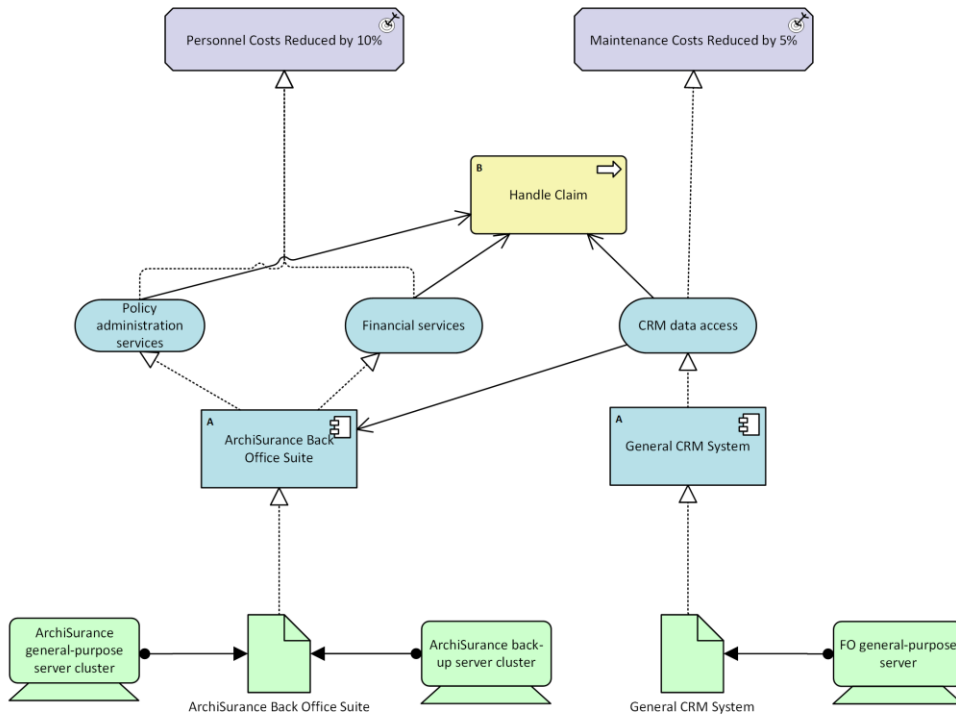
| | | | | | |
|------------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|
| AM3.1 Organization Viewpoint | VERSION: | AUTHOR: | 8/4/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|------------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|



2.15 ArchiSurance - Outcome Realization Viewpoint

ArchiSurance - Outcome Realization Viewpoint

| | | | | | |
|-------------------------------------|----------|---------|----------------------------------|-----------------|----------------------------------|
| AM3.1 Outcome Realization Viewpoint | VERSION: | AUTHOR: | 9/4/2020 by System Administrator | VERSION AUTHOR: | 9/4/2020 by System Administrator |
|-------------------------------------|----------|---------|----------------------------------|-----------------|----------------------------------|



2.16 ArchiSurance - Physical Viewpoint

ArchiSurance - Physical Viewpoint

AM3.1 Physical Viewpoint

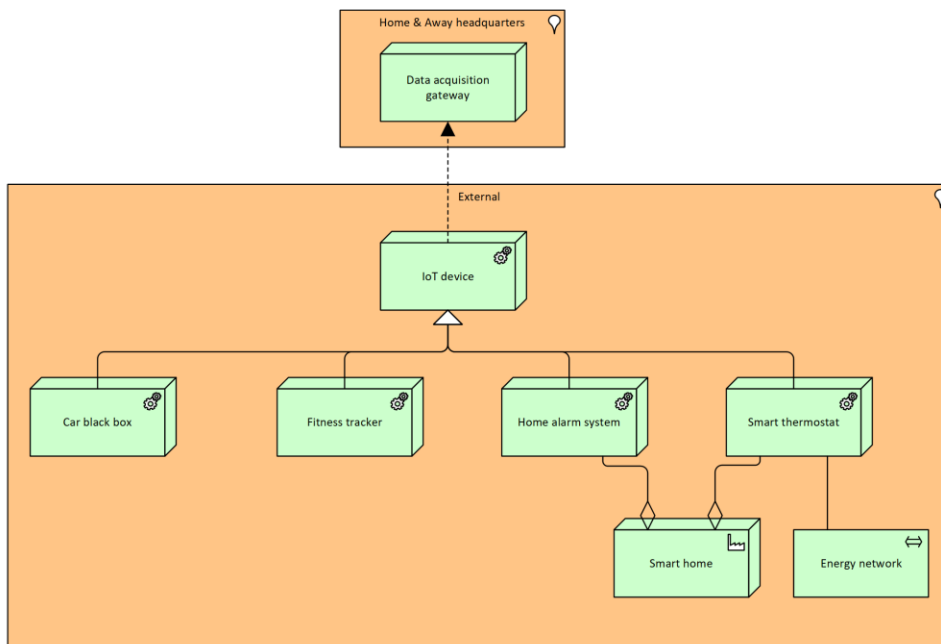
VERSION:

AUTHOR:

8/11/2020 by System Administrator

VERSION AUTHOR:

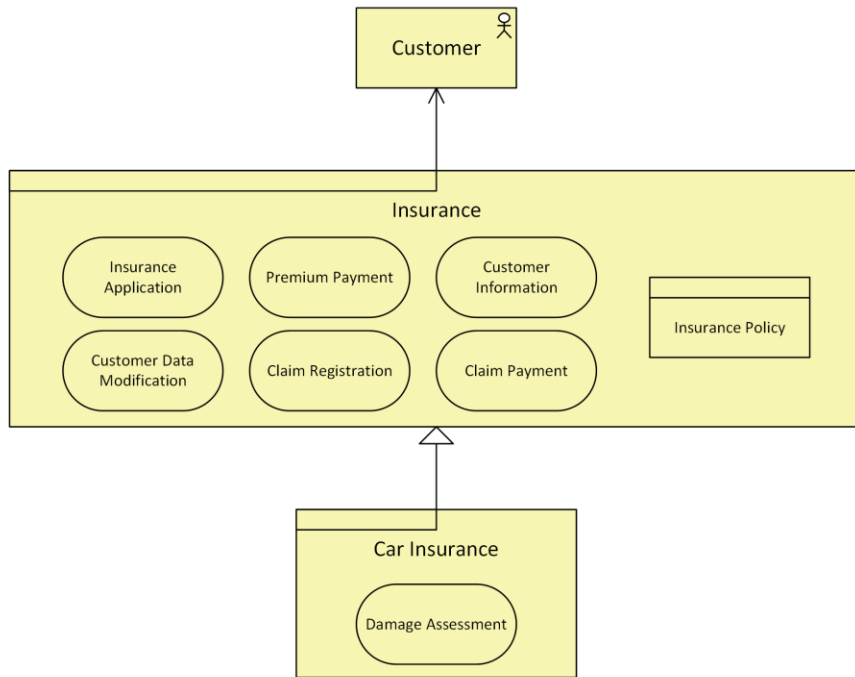
8/11/2020 by System Administrator



2.17 ArchiSurance - Product Viewpoint

ArchiSurance - Product Viewpoint

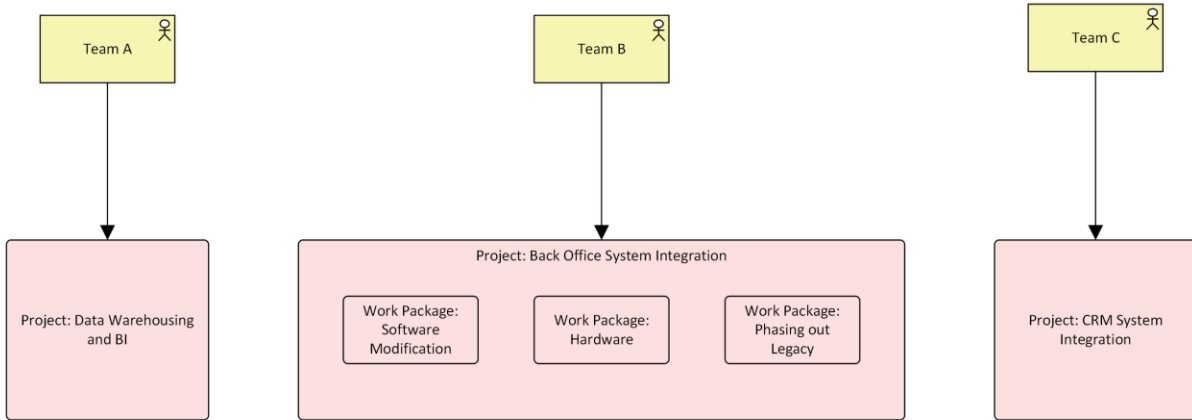
| | | | | | | |
|-------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Product Viewpoint | VERSION: | 1 | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/11/2020 by System Administrator |
|-------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.18 ArchiSurance - Project Viewpoint

ArchiSurance - Project Viewpoint

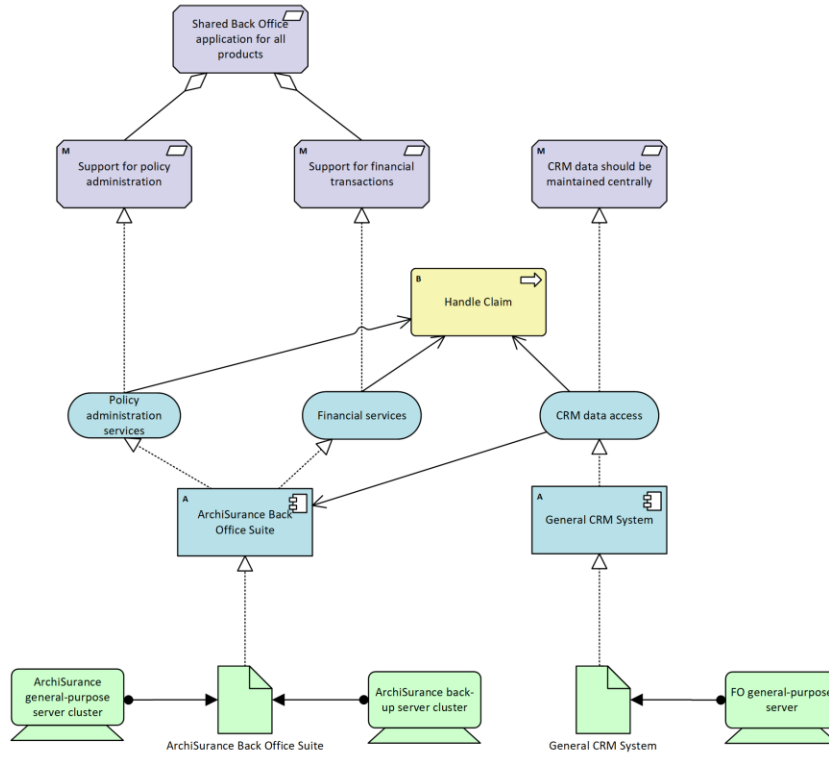
| | | | | | | |
|-------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Project Viewpoint | VERSION: | 1 | AUTHOR: | 8/12/2020 by System Administrator | VERSION AUTHOR: | 8/12/2020 by System Administrator |
|-------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.19 ArchiSurance - Requirements Realization Viewpoint

ArchiSurance - Requirements Realization Viewpoint

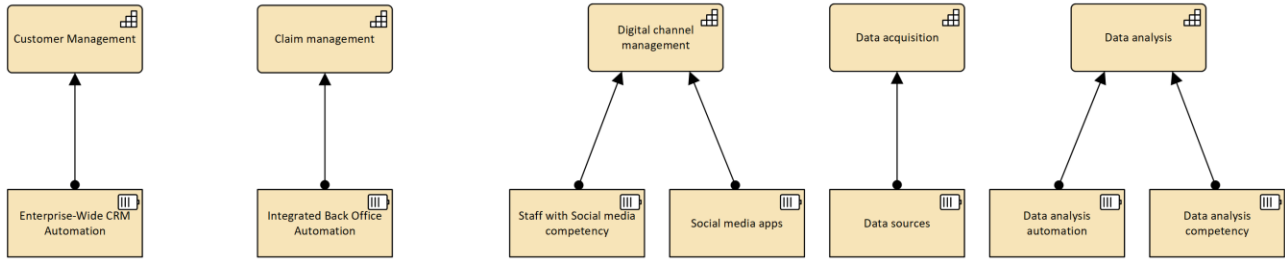
| | | | | | |
|--|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Requirements Realization Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|--|----------|---------|-----------------------------------|-----------------|-----------------------------------|



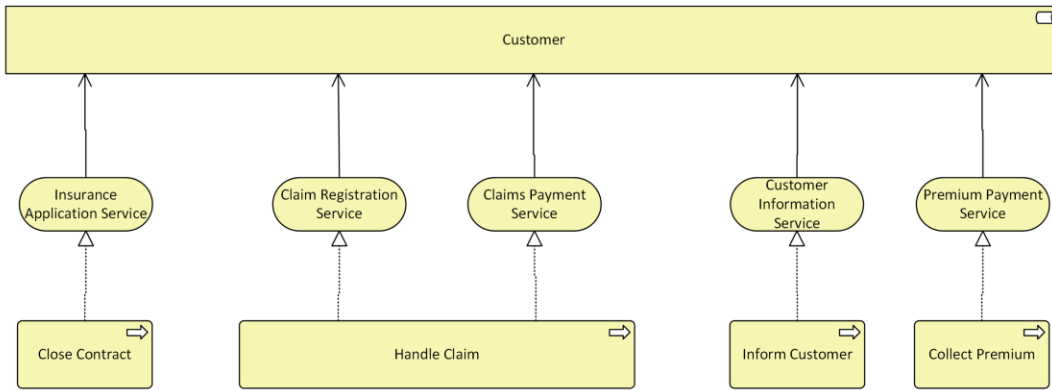
2.20 ArchiSurance - Resource Map Viewpoint

ArchiSurance - Resource Map Viewpoint

| | | | | | |
|------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Resource Map Viewpoint | VERSION: | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|------------------------------|----------|---------|-----------------------------------|-----------------|-----------------------------------|



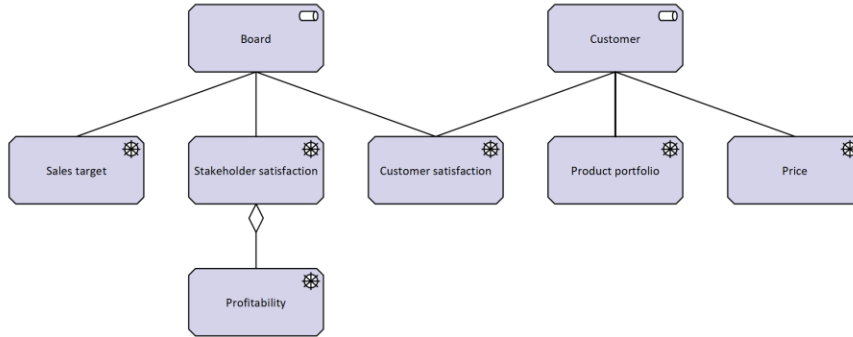
2.21 ArchiSurance - Service Realization Viewpoint



2.22 ArchiSurance - Stakeholder View

ArchiSurance - Stakeholder View

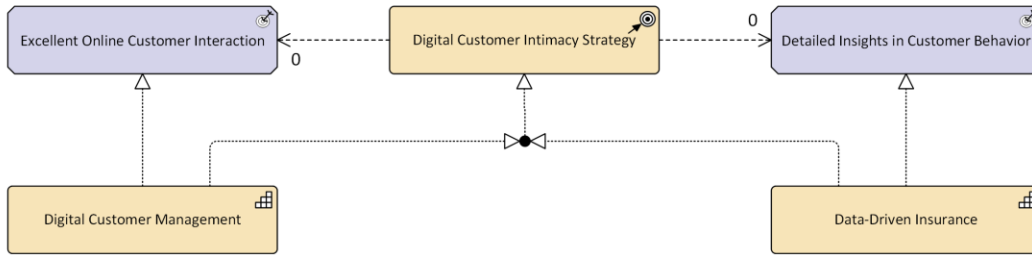
| | | | | | |
|-----------------------------|----------|---------|------------------------------------|-----------------|------------------------------------|
| AM3.1 Stakeholder Viewpoint | VERSION: | AUTHOR: | 11/28/2019 by System Administrator | VERSION AUTHOR: | 11/28/2019 by System Administrator |
|-----------------------------|----------|---------|------------------------------------|-----------------|------------------------------------|



2.23 ArchiSurance - Strategy Viewpoint

ArchiSurance - Strategy Viewpoint

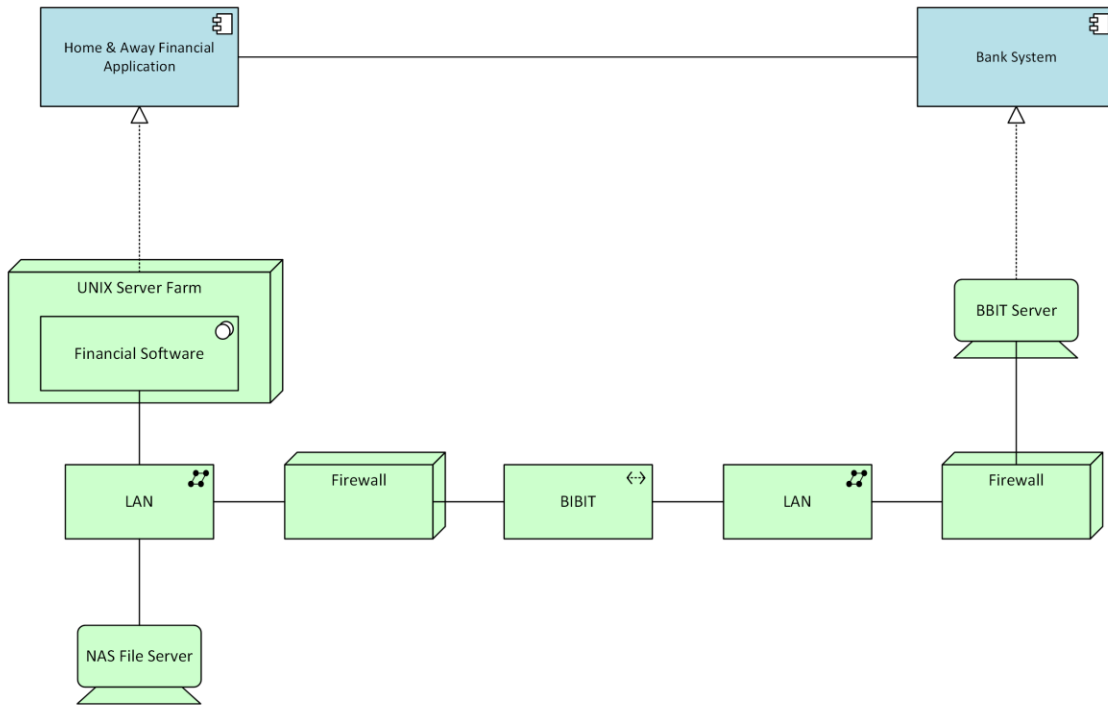
| | | | | | | |
|--------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Strategy Viewpoint | VERSION: | 1 | AUTHOR: | 8/12/2020 by System Administrator | VERSION AUTHOR: | 8/12/2020 by System Administrator |
|--------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



2.24 ArchiSurance - Technology Usage Viewpoint

ArchiSurance - Technology Usage Viewpoint

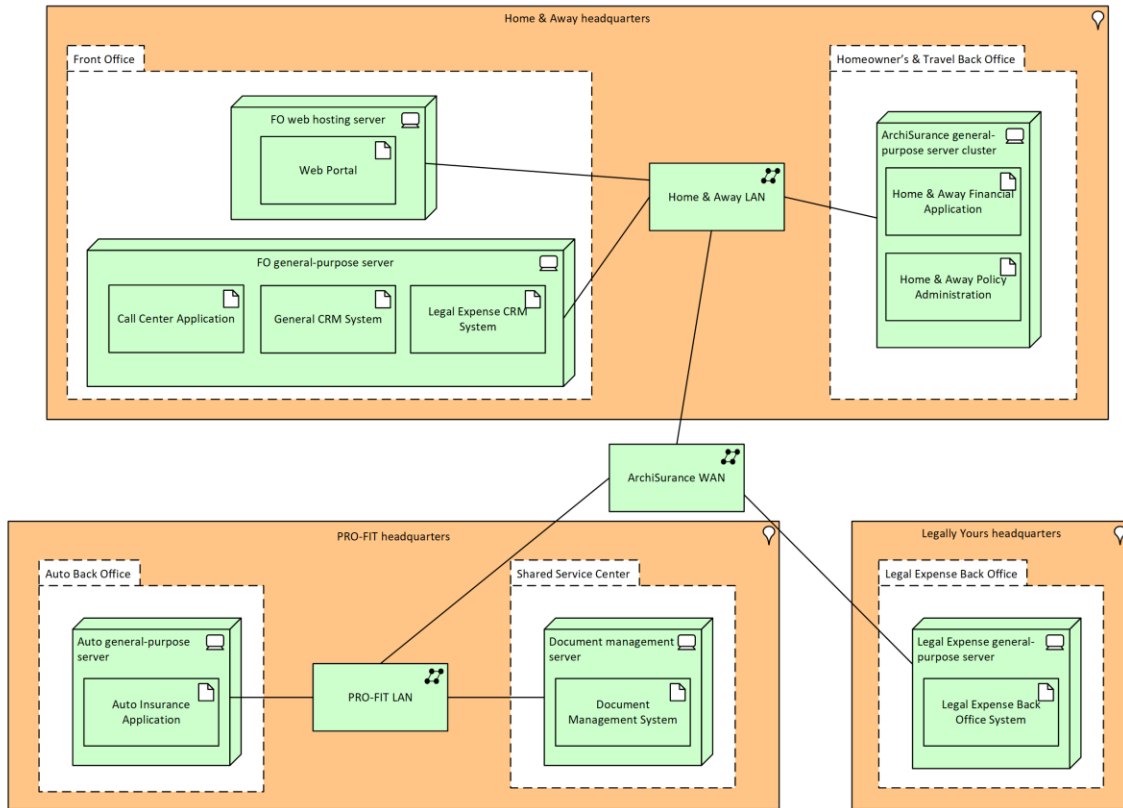
| | | | | | | |
|----------------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|
| AM3.1 Technology Usage Viewpoint | VERSION: | 1 | AUTHOR: | 8/11/2020 by System Administrator | VERSION AUTHOR: | 8/11/2020 by System Administrator |
|----------------------------------|----------|---|---------|-----------------------------------|-----------------|-----------------------------------|



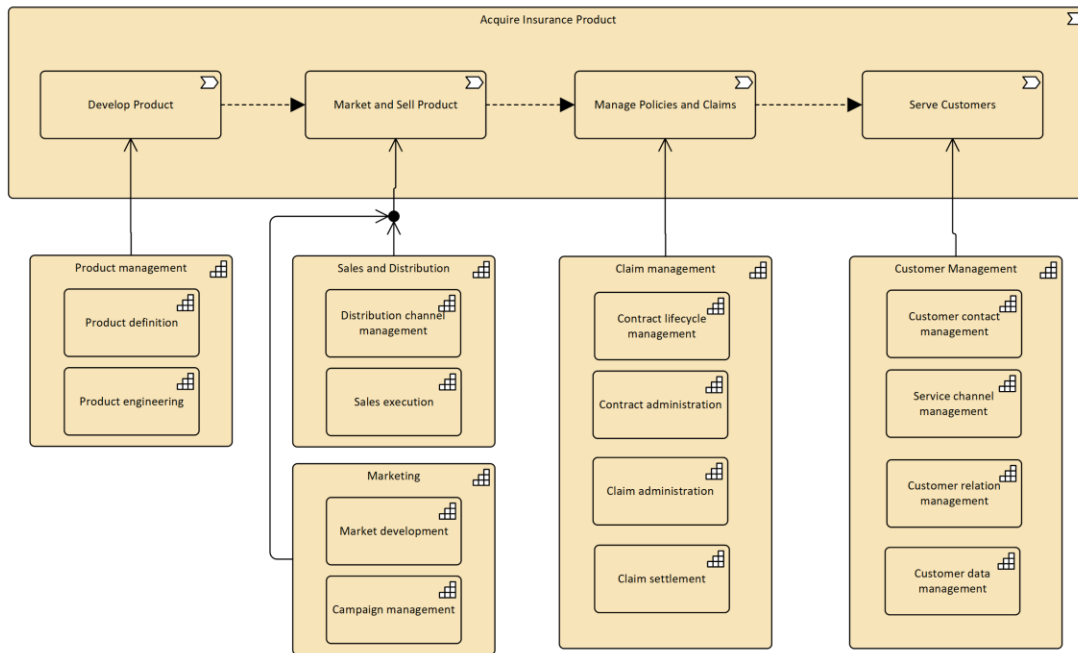
2.25 ArchiSurance - Technology Viewpoint

ArchiSurance - Technology Viewpoint

| | | | | | |
|----------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|
| AM3.1 Technology Viewpoint | VERSION: | AUTHOR: | 8/5/2020 by System Administrator | VERSION AUTHOR: | 8/21/2020 by System Administrator |
|----------------------------|----------|---------|----------------------------------|-----------------|-----------------------------------|

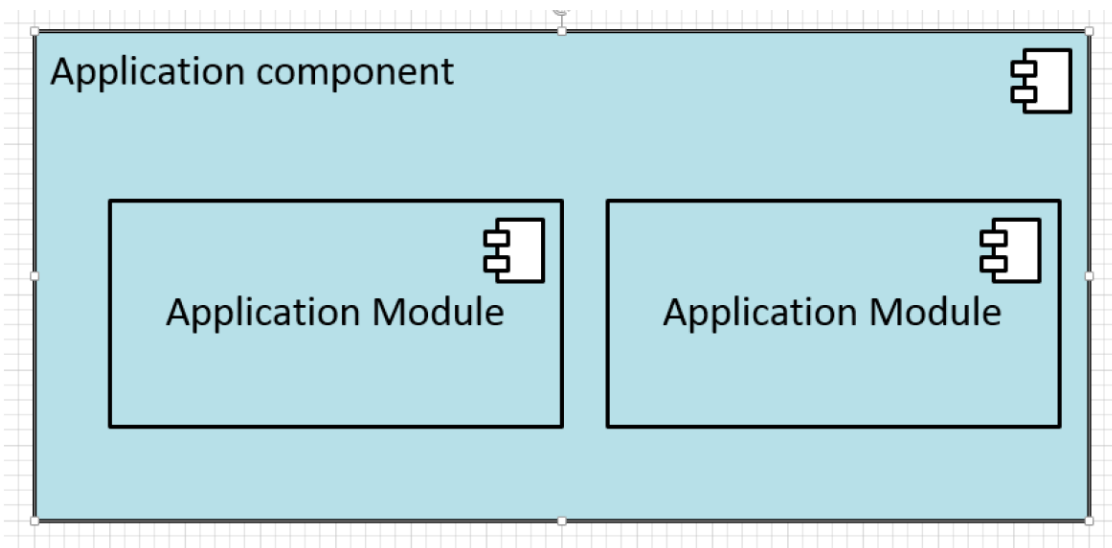


2.26 ArchiSurance - Value Stream Viewpoint

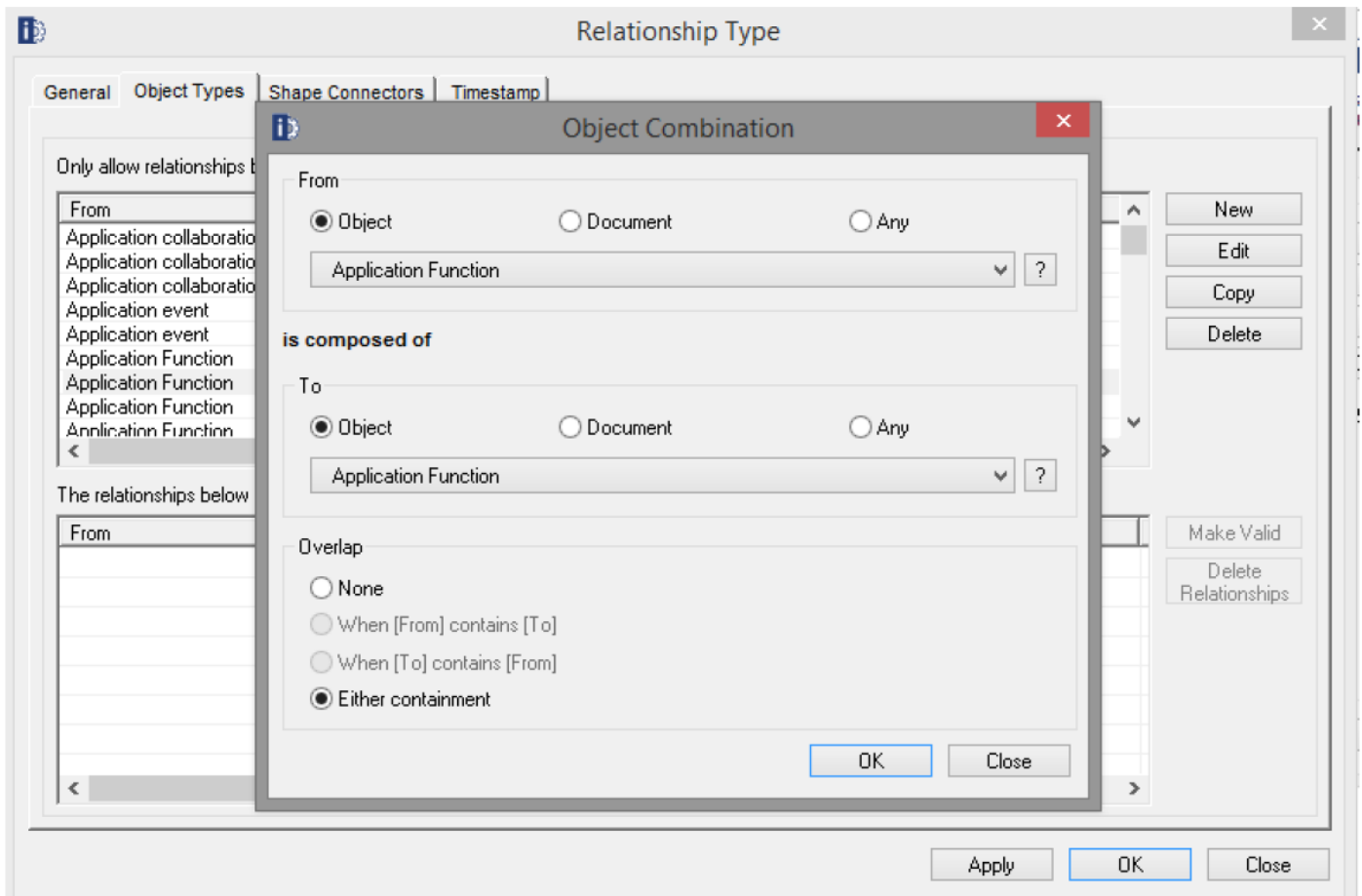


3 Use of nesting

iServer supports the use of nesting. For example:



This is available out-of-the-box but can be customized by the Admin. As an example, for the Composition relationship between 2 Application Functions, nesting or "overlap" has been configured.

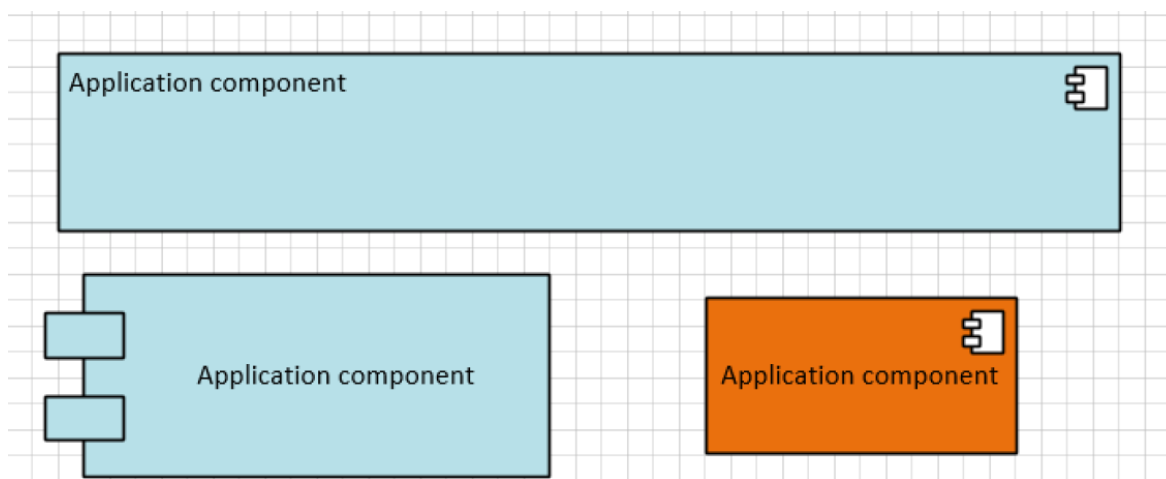


The order or strength of the nesting relationship is as follows:

1. ArchiMate: Composition
2. ArchiMate: Aggregation
3. ArchiMate: Assignment

4 Changing of size, proportion & color

Changing the size, proportion or color of the shape keeps the compliance. Shapes in iServer can also be locked from formatting or resizing if required.

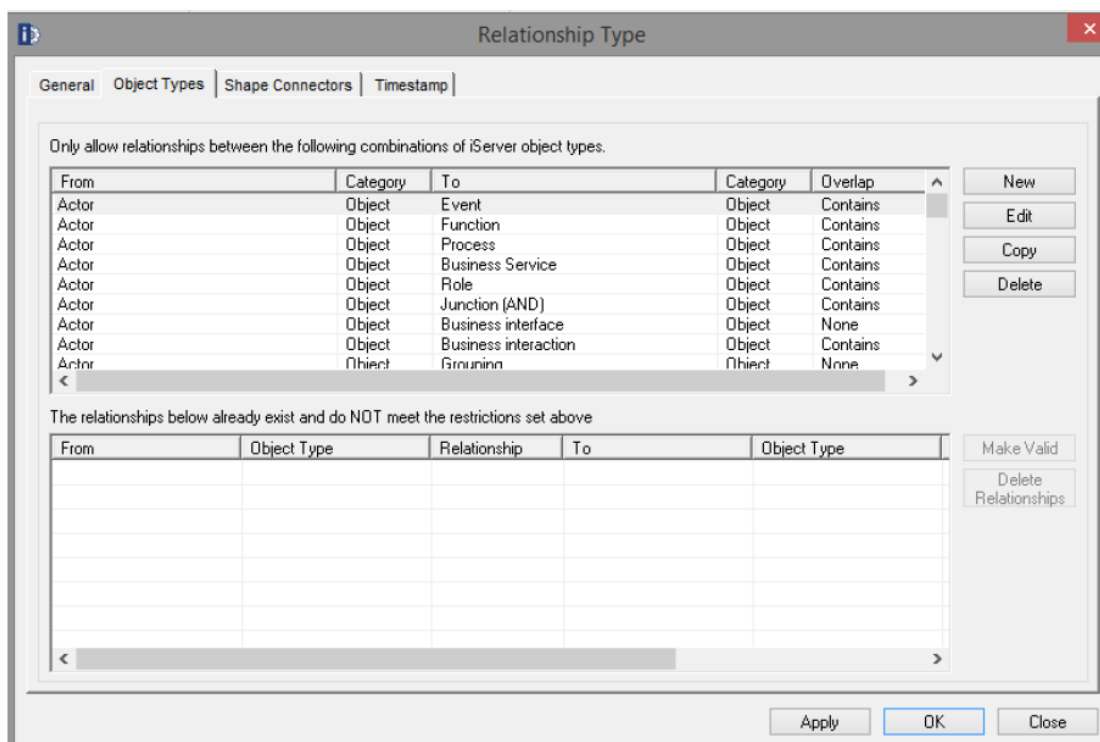


5 Relationship Notation & Coverage

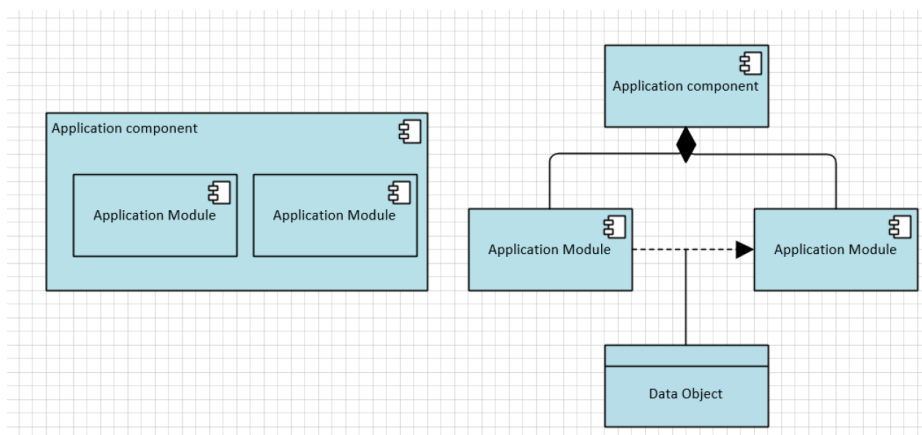
All ArchiMate relationship have been configured in the iServer repository out of the box.

| | |
|----------------------------|---|
| ArchiMate/UML: Access | The access relationship models the access of behavioral concept... |
| ArchiMate/UML: Association | An association models a relationship between objects that is not c... |
| ArchiMate: Aggregation | The aggregation relationship indicates that a concept groups a nu... |
| ArchiMate: Assignment | The assignment relationship links active elements (e.g., business r... |
| ArchiMate: Composition | The composition relationship indicates that an object is composed ... |
| ArchiMate: Flow | The flow relationship describes the exchange or transfer of, for ex... |
| ArchiMate: Influence | The influence relationship models that some motivational element ... |
| ArchiMate: Realization | The realization relationship links a logical entity with a more concre... |
| ArchiMate: Serving | The used by relationship models the use of services by processes,... |
| ArchiMate: Specialization | The specialization relationship indicates that an object is a speciali... |
| ArchiMate: Triggering | The triggering relationship describes the temporal or causal relatio... |

E.g. *Assignment* has all permitted relationship pairs configured, as below:

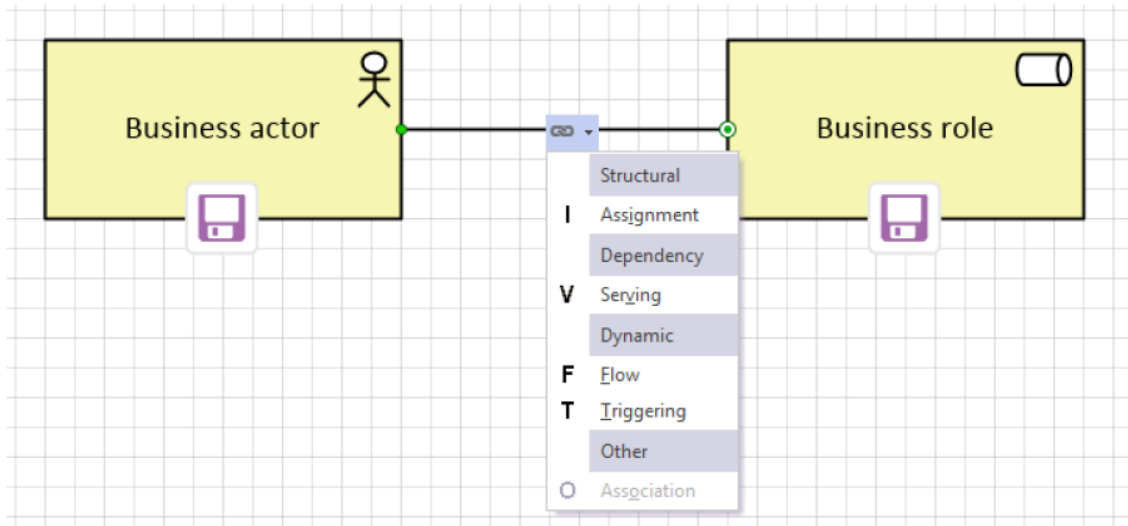


iServer supports the creation of relationships as shown below using overlaps/nesting and connectors.

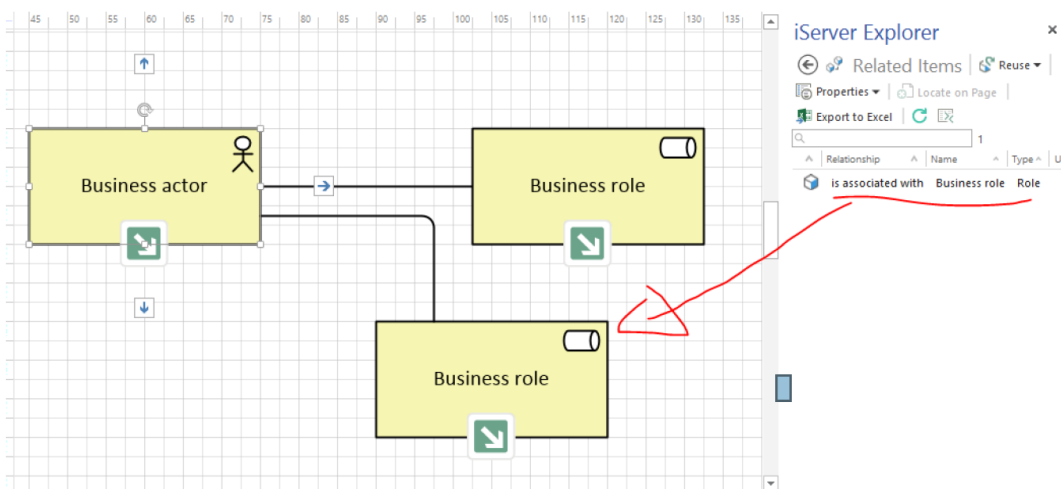


6 Relationship Symbol Reuse

For each supported ArchiMate relationship, the user is able to reuse the same relationship symbol to connect each supported combination of concepts as denoted by their concept symbols.



Reuse the relationship between Business Actor and Business Role using the iServer Explorer:



7 Viewpoint Support

iServer supports all ArchiMate viewpoints as Visio templates and stencils in the repository:

Administration

- Meta-Model Configuration
- Application Configuration
- Users
- Workflow Templates



| Name | General Type | Instances | Description | Created By | Date Created | Modified By |
|--|-------------------------|-----------|-------------|----------------------|-----------------------|----------------------|
| AM3.1 Actor Co-operation Viewpoint | Microsoft Visio Drawing | 0 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Application Behavior Viewpoint | Microsoft Visio Drawing | 0 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Application Cooperation Viewpoint | Microsoft Visio Drawing | 3 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Application Structure Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Application Usage Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 ArchiMate Diagram Template | Microsoft Visio Drawing | 17 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Business Function Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Business Process Cooperation Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Business Process Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Capability Map Viewpoint | Microsoft Visio Drawing | 3 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Goal Contribution Viewpoint | Microsoft Visio Drawing | 0 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Goal Realization Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Implementation and Deployment Platform Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Implementation and Migration Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Information Structure Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Landscape Map Viewpoint | Microsoft Visio Drawing | 0 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Layered Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Migration Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Motivation Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Organization Viewpoint | Microsoft Visio Drawing | 3 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Outcome Realization Viewpoint | Microsoft Visio Drawing | 3 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Physical Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Principles Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Product Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Project Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Requirements Realization Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Resource Map Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Service Realization Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Stakeholder Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Strategy Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Technology Usage Viewpoint | Microsoft Visio Drawing | 1 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Technology Viewpoint | Microsoft Visio Drawing | 4 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |
| AM3.1 Value Stream Viewpoint | Microsoft Visio Drawing | 2 | | System Administrator | 5/21/2020 12:00:00 AM | System Administrator |

Each template looks similar to the below Capability Map Viewpoint. Each template contains the Viewpoint Description and the ArchiMate 3.1 Elements as Master Shapes. It also contains the Stakeholders, Concerns, Purpose and Scope:

Capability Map Viewpoint.vst [Compatibility Mode] - Visio Professional

Jonas Hulstaert

Clipboard: Paste, Copy, Format Painter

Font: Calibri, 12pt

Paragraph: Bold, Italic, Underline, Text Color, Paragraph Style

Tools: Pointer Tool, Connector, Text

Shape Styles: Fill, Line, Effects

Arrange: Align, Position

Editing: Change Shape, Reverse Ends, Snap & Glue

Shapes: STENCILS | SEARCH

More Shapes

Quick Shapes

Capability Map Viewpoint

ArchiMate - Relationships

Drop Quick Shapes here

Outcome: An end result that has been achieved.

Capability: An ability that an active structure element, such as an organization, pers...

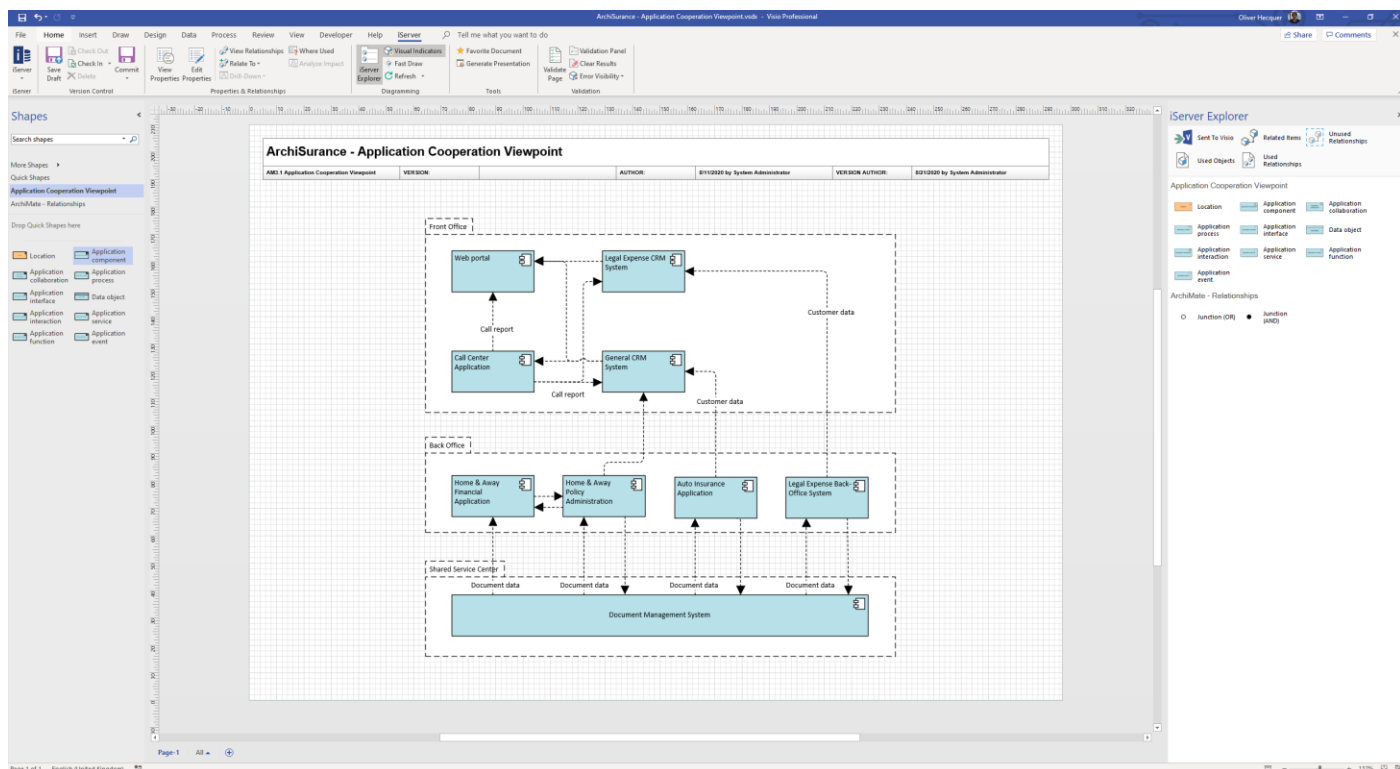
Resource: An asset owned or controlled by an individual or organization.

| Capability Map Viewpoint | |
|--------------------------|--|
| Stakeholders | Business managers, enterprise and business processes |
| Concerns | Architecture strategy and tactical, motivation |
| Purpose | Designing, building |
| Scope | Strategy |

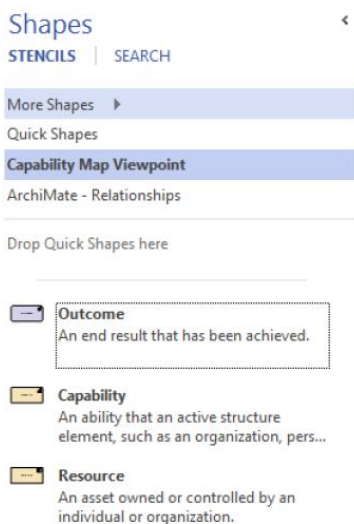
Page-1 | All

PAGE 1 OF 1 ENGLISH (UNITED KINGDOM) 44%

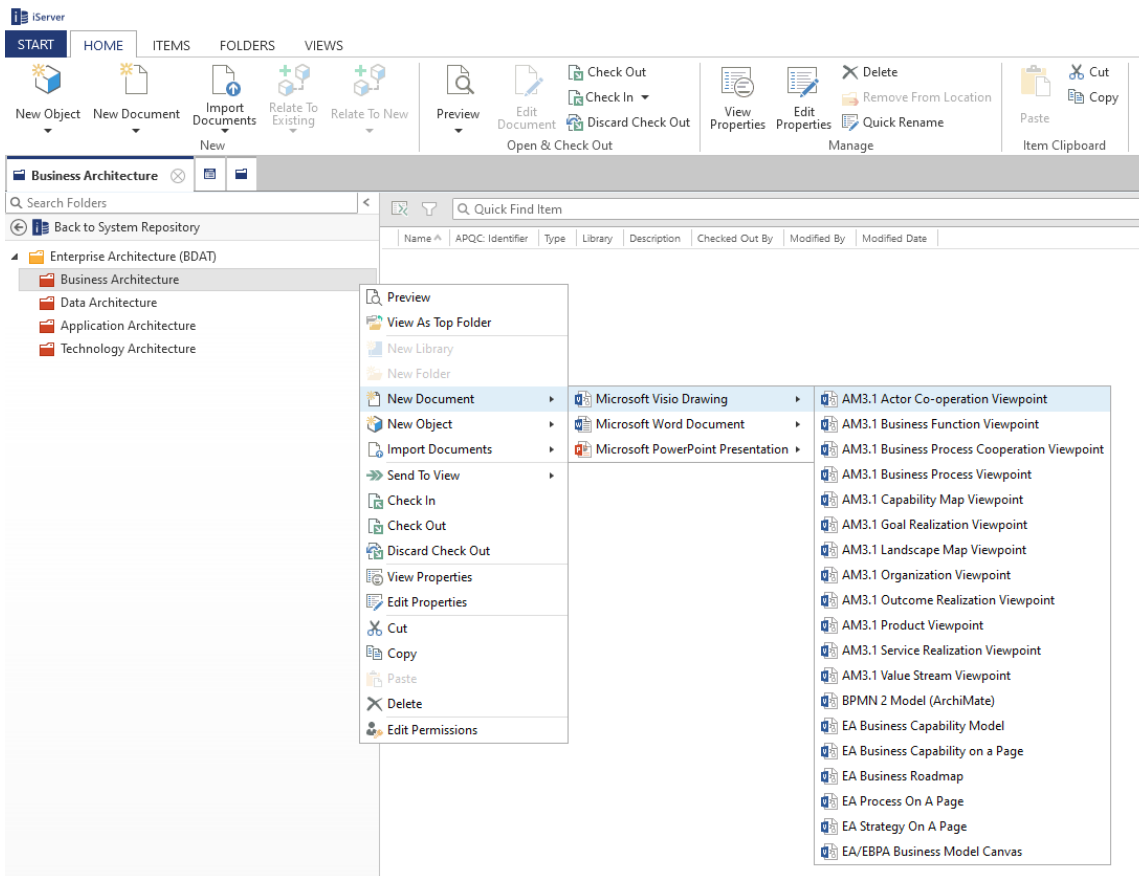
iServer enables users to create models using the elements that already exist via the iServer Explorer, and using new elements by dragging and dropping shapes and connectors from the stencils.



Each viewpoint contains a stencil with the permitted elements (object types and connectors representing the relationship types), e.g. the Capability Map Viewpoint:

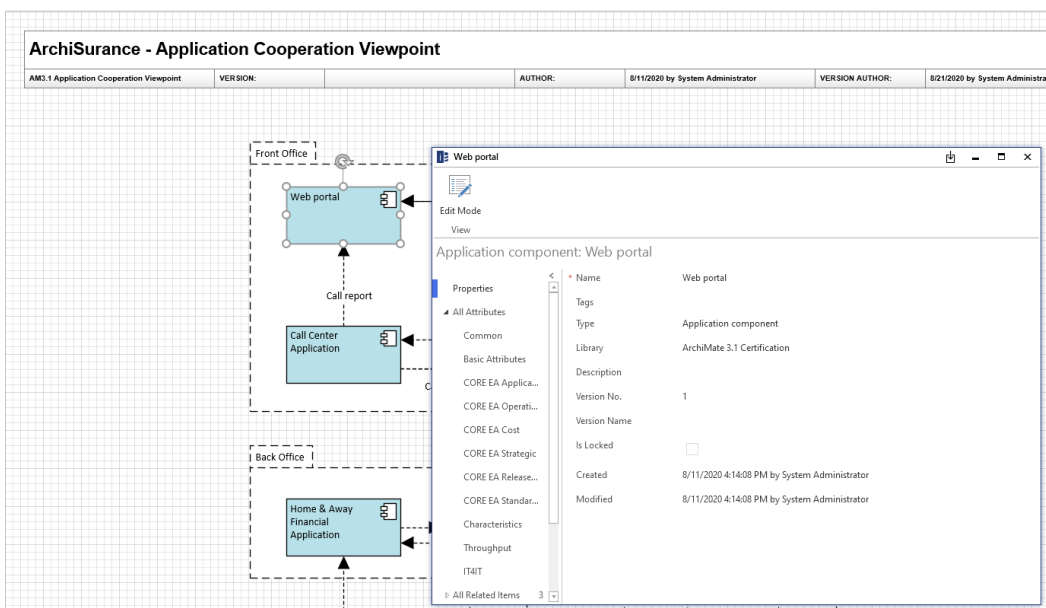


Each view or diagram that can be created in the repository is based on particular viewpoint or template:

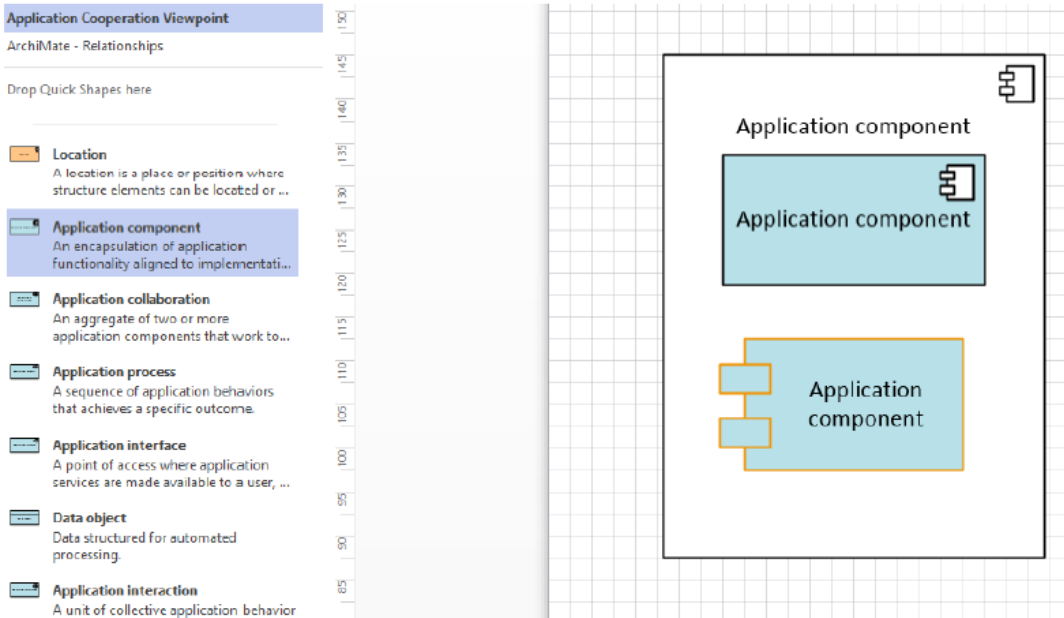


Each view contains only the elements that are defined in the definition of its viewpoint, e.g. the Capability Map Viewpoint only contains the elements: Outcome, Capability and Resource (as per the image on the previous page).

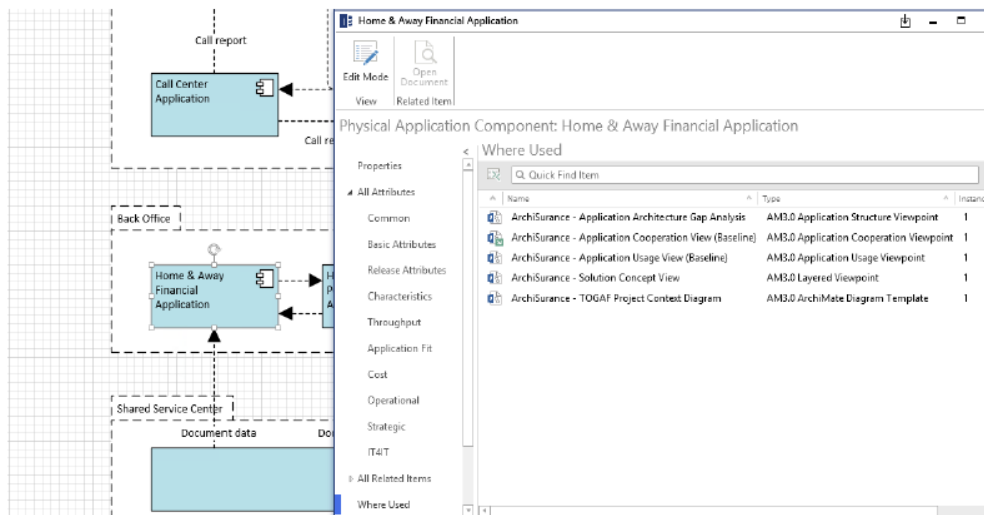
All elements in the views are centrally stored in the database. Objects have unique naming which means that changing an object in one diagram will propagate this change to all instances of this object on other diagrams. The same applies to deleting objects.



Users can use the Visio formatting functionalities to change coloration, size, line, shadow, etc. of all elements:



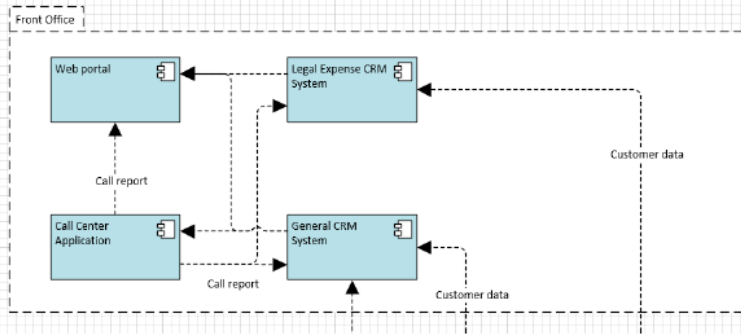
iServer Properties allow you to see the list of views in which a selected element is used, e.g. the Home & Away Financial Application:



A different graphical notation can be used for an object in a different views:

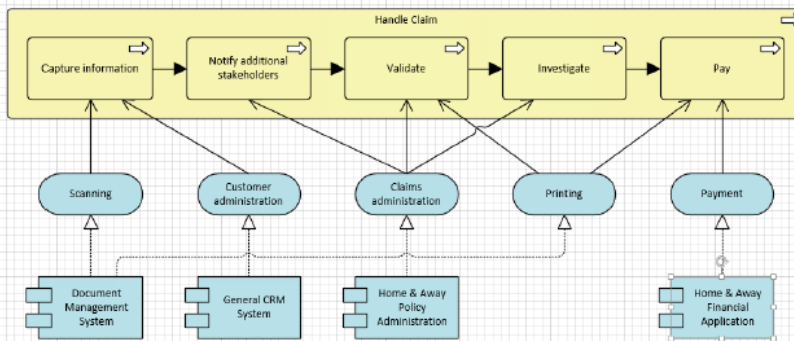
ArchiSurance - Application Cooperation View (Baseline)

AM3.0 Application Cooperation Viewpoint VERSION: AUTHOR: 27/03/2017 by System Administrator VERSION AUTHOR:



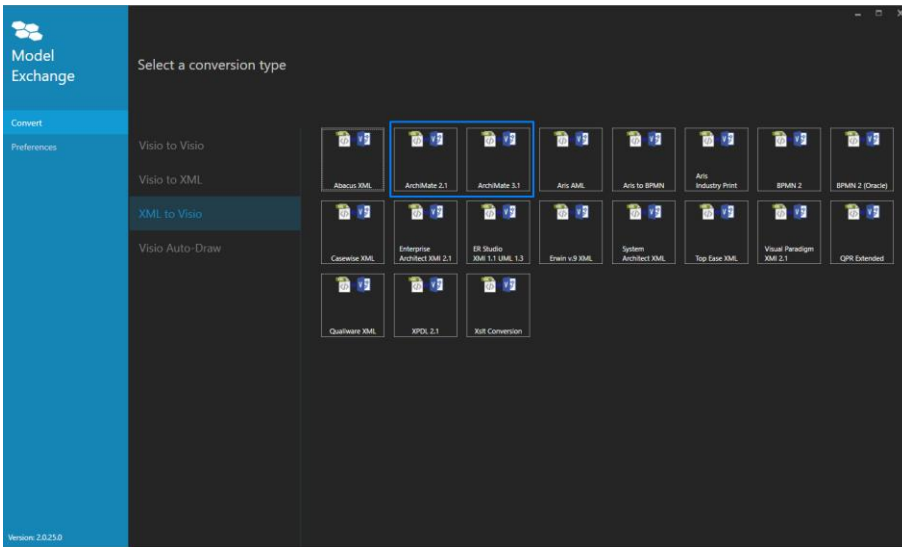
ArchiSurance - Application Usage View (Baseline)

AM3.0 Application Usage Viewpoint VERSION: AUTHOR: 27/03/2017 by System Administrator VERSION AUTHOR: 27/03/202

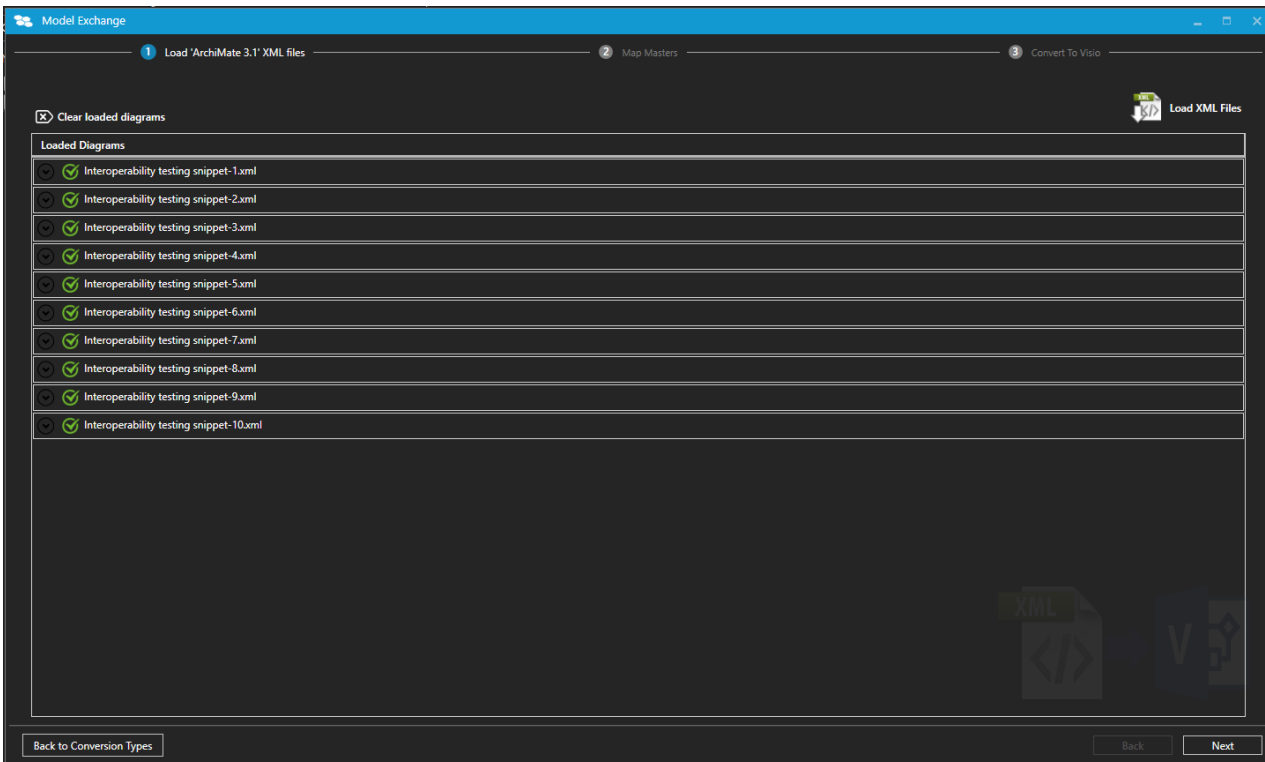


8 Support for ArchiMate's File Exchange Format

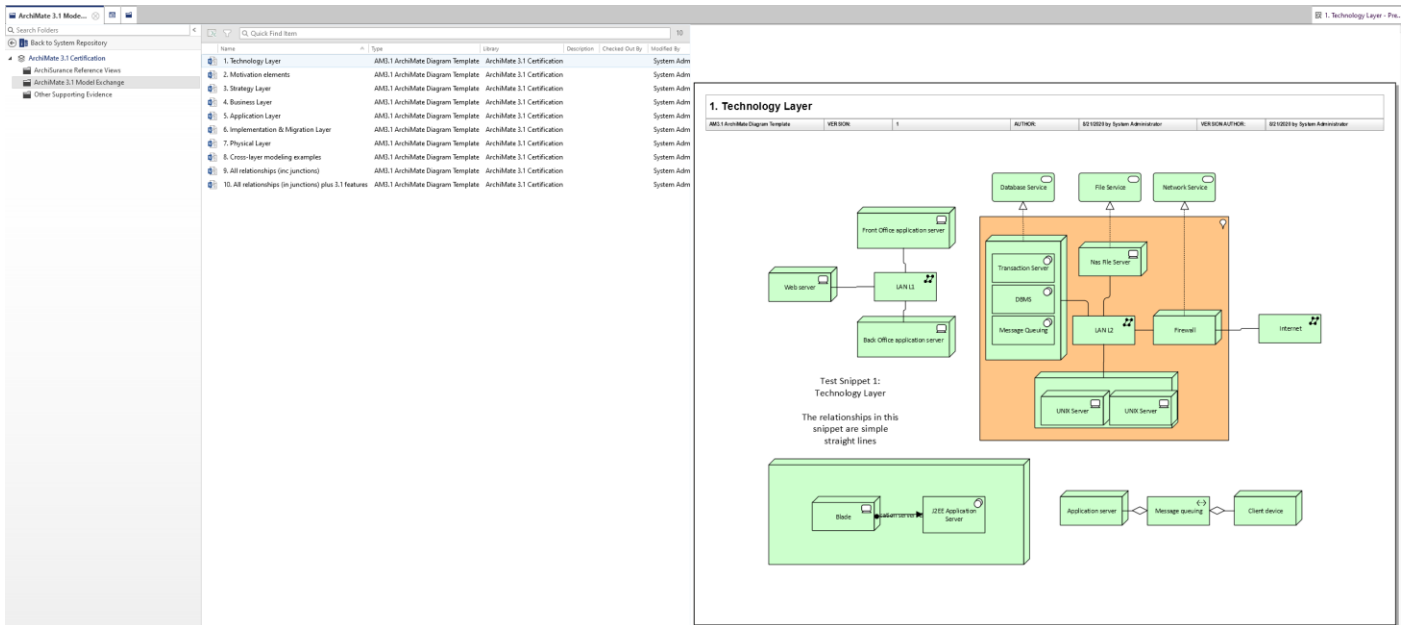
iServer supports the Exchange File Format and allows the import and export of models from/to the iServer Repository using ArchiMate 3.1 XML, via iServer Model Exchange. (Files are stored as Visio format while in iServer):



As an example, the image below shows the ArchiMate 3.1 interoperability test snippets being converted for import into iServer using Model Exchange:

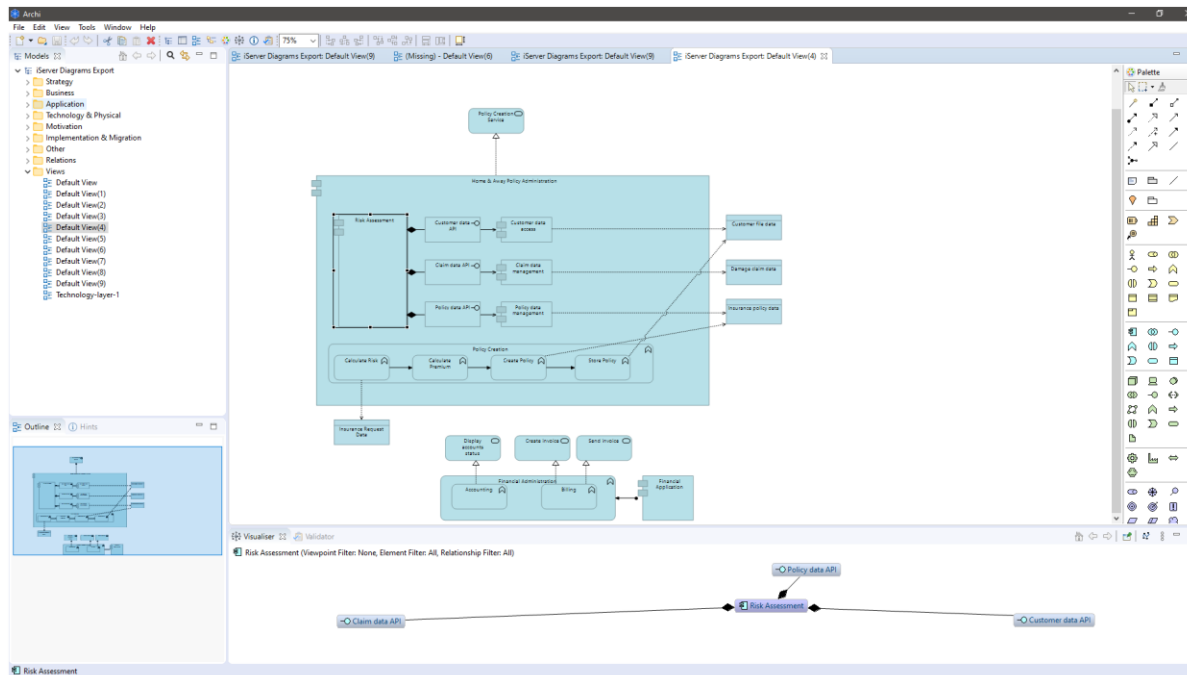


The interoperability test diagrams following successful import into the iServer Repository:



Following export the diagrams can be imported into 3rd party tools. We tested this with Archi and Visual Paradigm

8.1 Archi:



8.2 Visual Paradigm:

