Business Modeling: Products and Application Models

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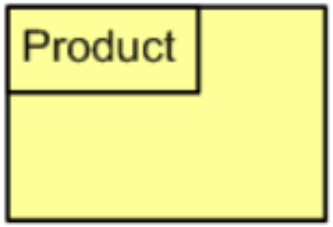
MODELING PRODUCTS

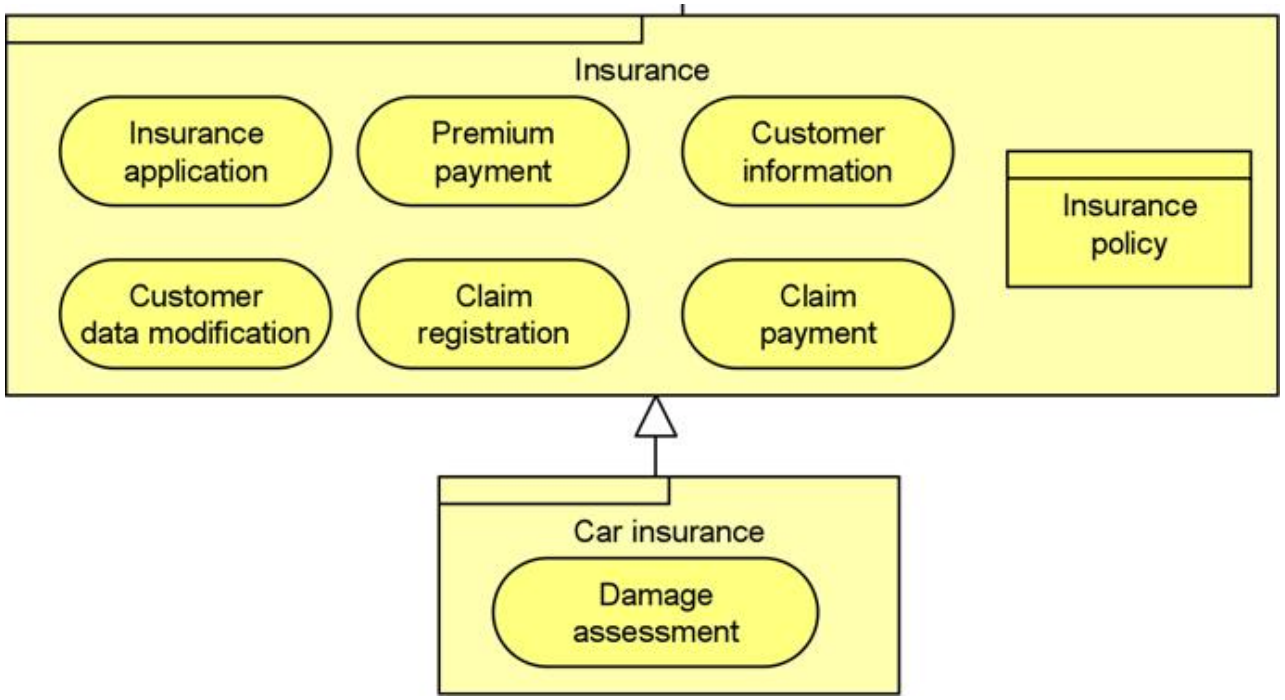
Product Models



- Products are another aspect that can be modeled in the business layer of an Enterprise Architecture (c.f. ArchiMate).
- Products can be physical products, financial products, information products orservices.
- Product models list products (goods or services) created by products.
- Products can be composed of other products or components.
- In a product model we do not model individual products but product types.
- There are no standard model types for products or services.

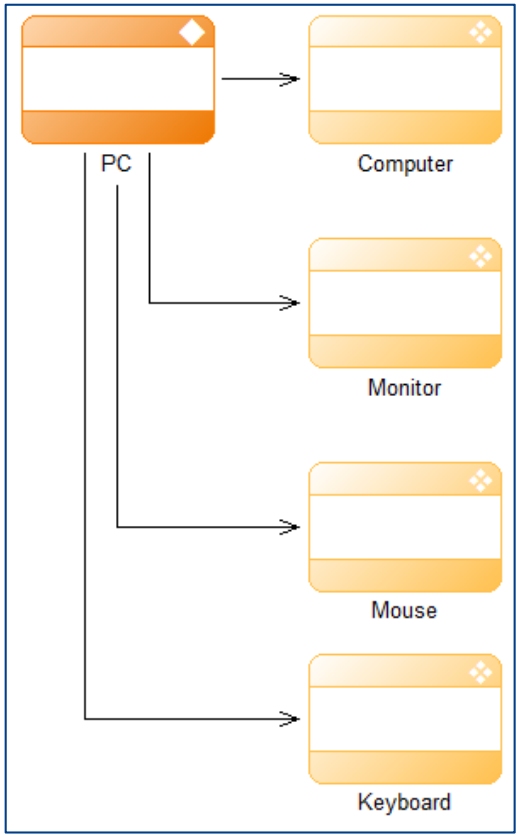
Products in ArchiMate

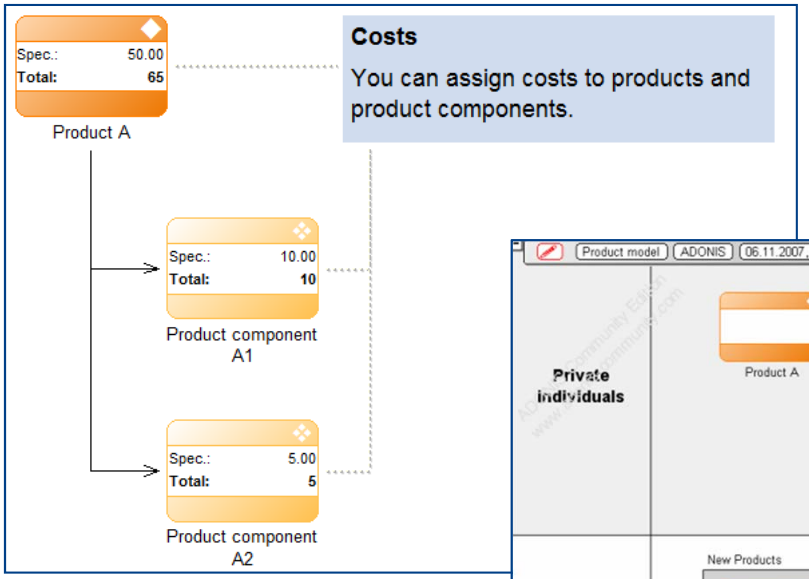
- In ArchiMate a product may aggregate business services or application services, as well as a contract
- This is an example showing two products, the services they consist of. The insurance policy is a contract for the Insurance product

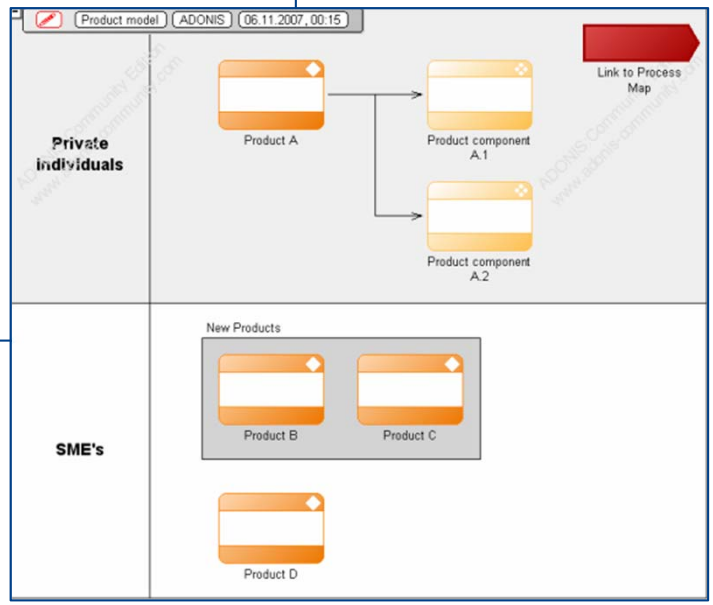


Product Models in ADONIS

- These are examples of product models as the are modeled in ADONIS*)
- The modeling elements are represents products and product components



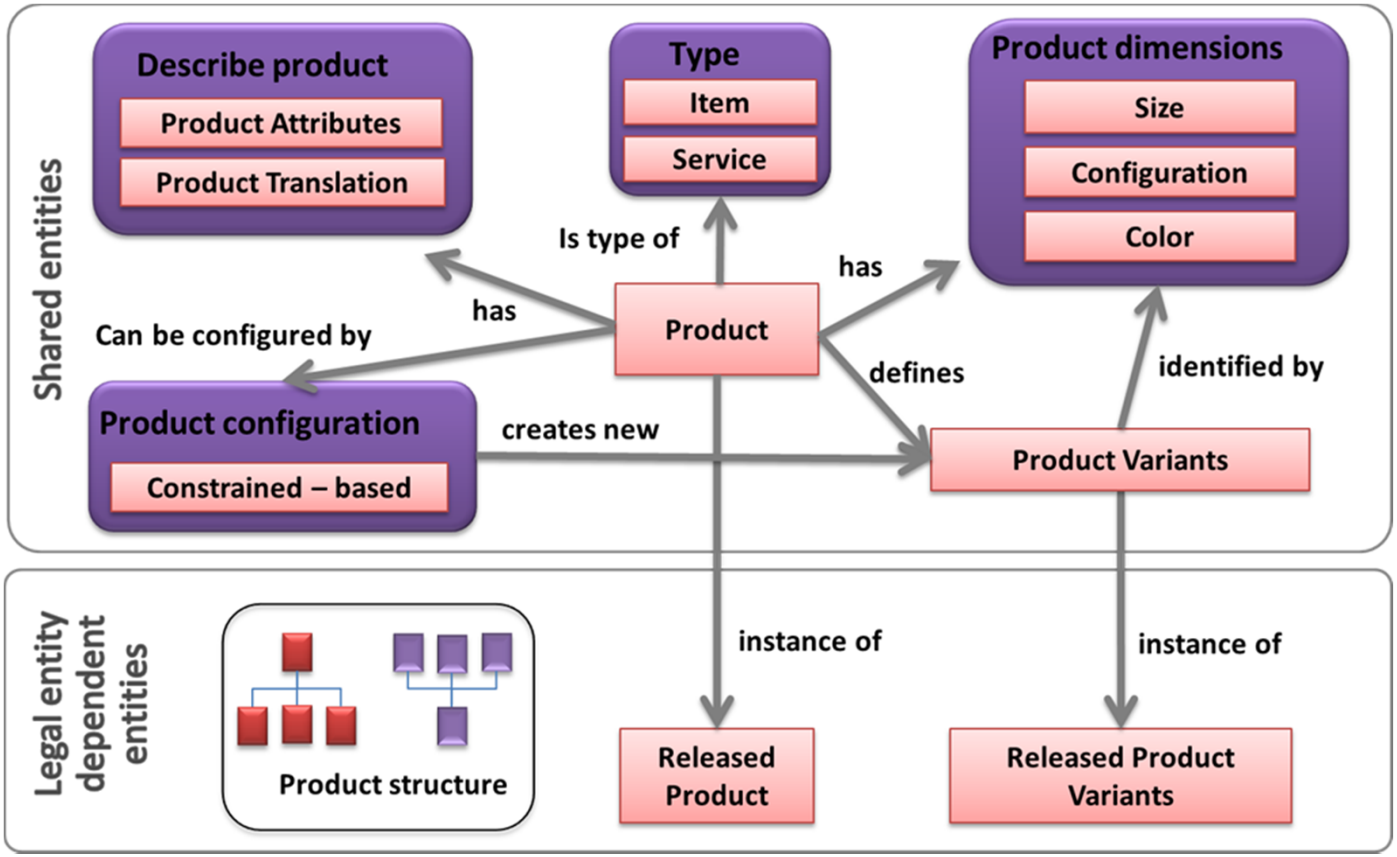




*) ADONIS is a tool from BOC GmbH, Austria

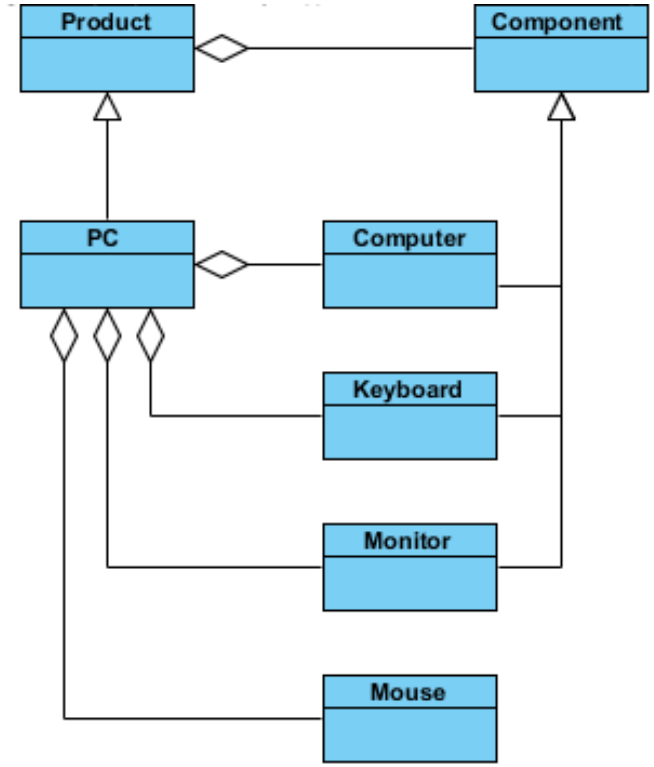
Product Model as a Class Diagram

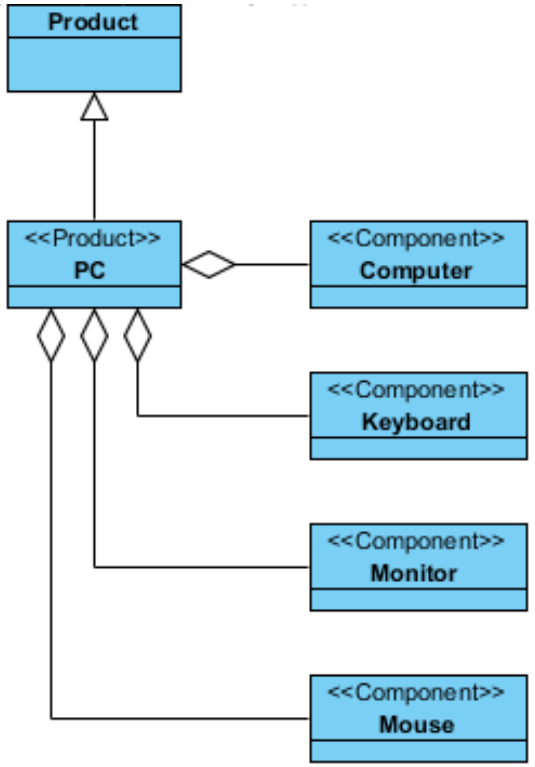
- This Product model consists of classes with attributes and associations



Product Models

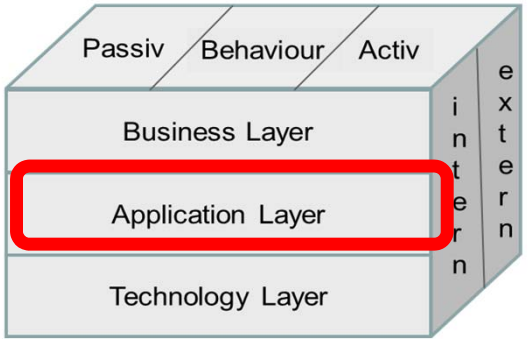
- If we do not have an model type for products, we can use ML class diagrams to model products (similar as for documents)
- In Agilian we can again define specific sterotypes



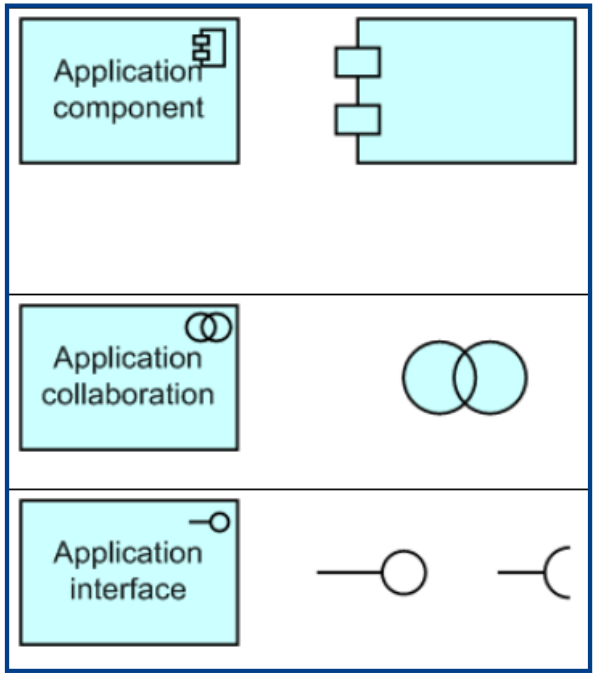


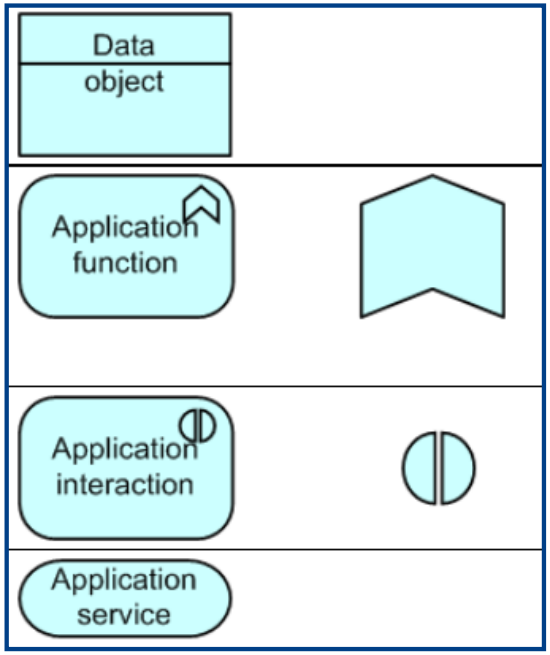
APPLICATION MODELS

Application Layer



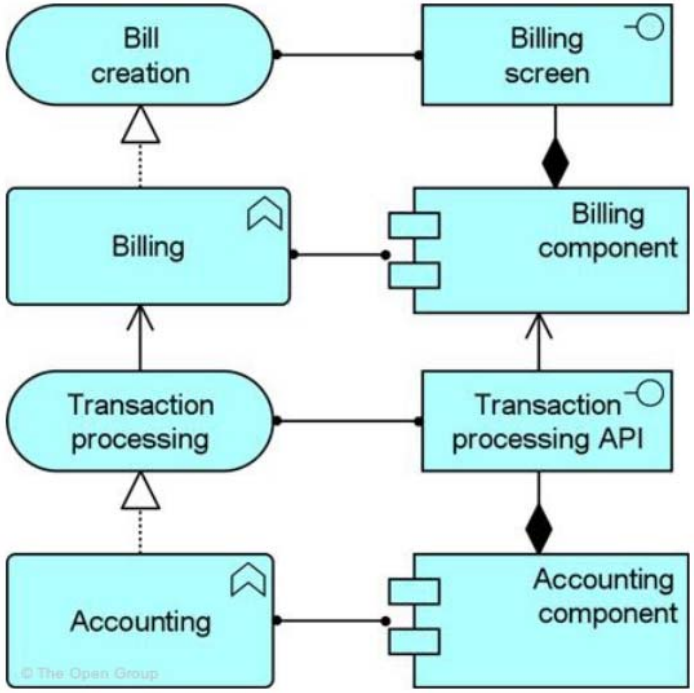
- The application layer represents application services, applications and information objects.
- ArchiMate contains concepts to model applications.



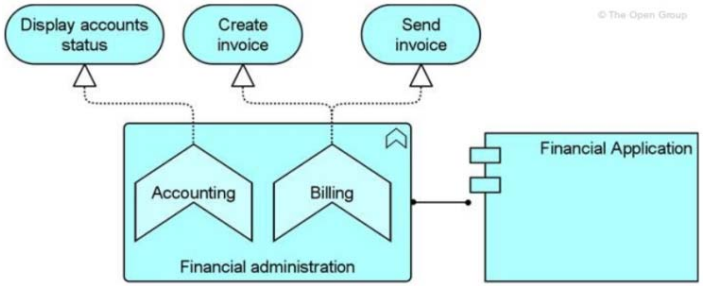


Modeling the Application Layer in ArchiMate

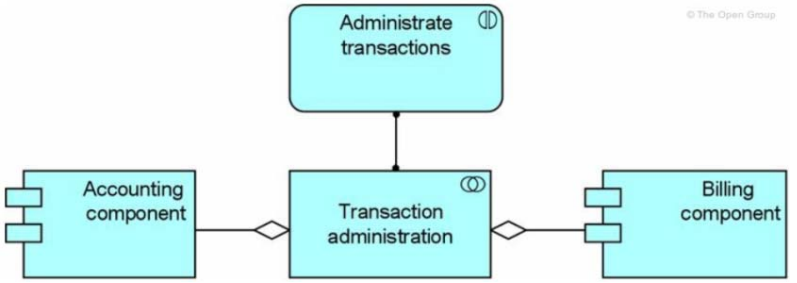
- Some examples for elements of the application layer in ArchiMate



Application Service

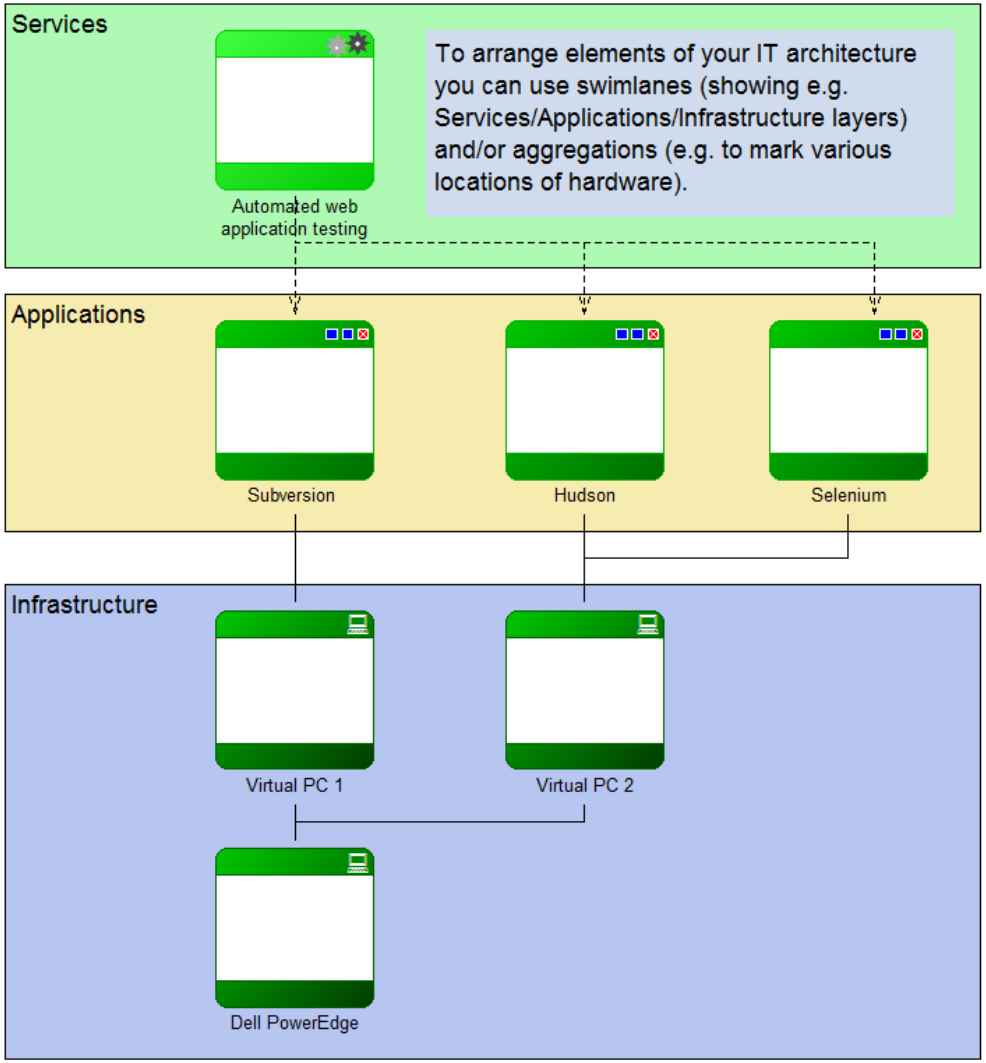


Application Function



Application Interaction

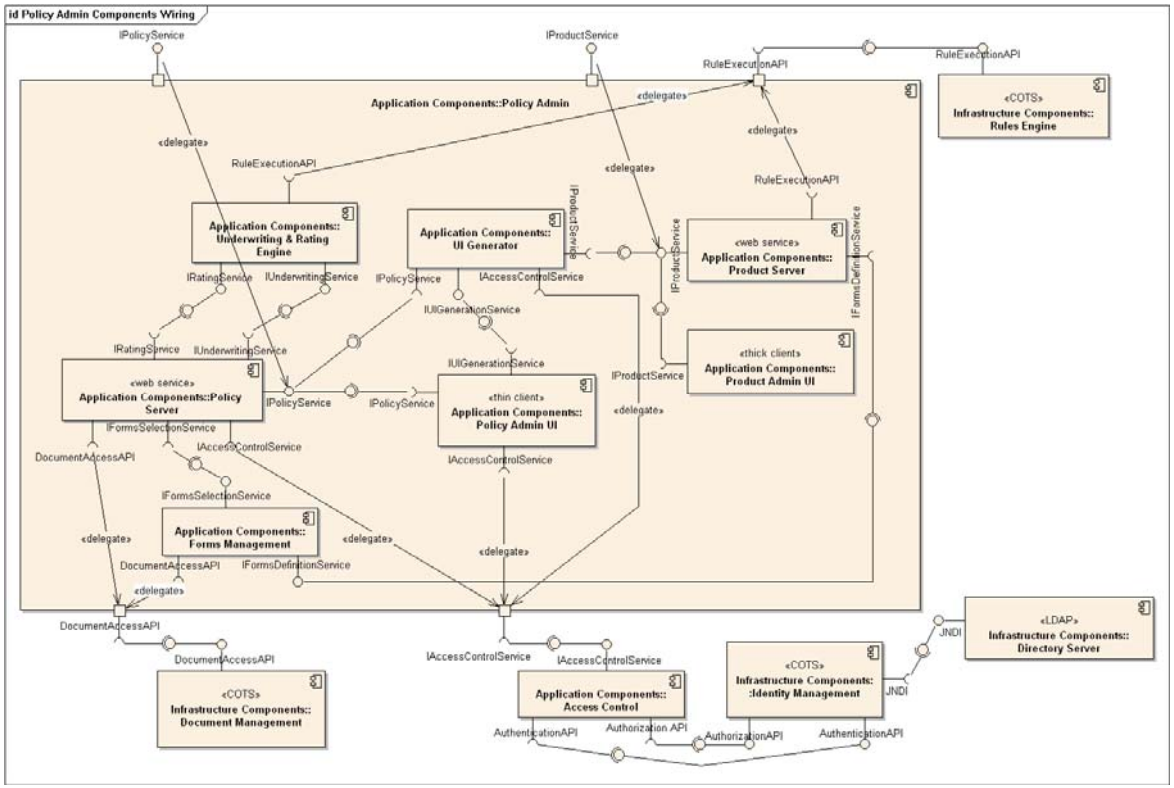
Proprietary Models for Applications



- Many tools have proprietary model types to model applications.
- This is an example of an IT system model of ADONIS.
- It shows the IT landscape of an organisation; services, applications, infrastructure elements and their dependencies.

Component Diagram of an Insurance Policy Administration System

- It is also possible to use the UML Component Diagram to model applications[1)].
- This example shows a Component Diagram of an Insurance Policy Administration System



1) The UML component diagram,however, is not intended to model applications but to get an idea of the implementation of a system.

Source of the Figure: Wikipedia