Integrated Enterprise Modelling Based on OMG Specifications

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ABSTRACT:
A solid business model (describing the business strategy, a business vocabulary, business rules as well as business processes) plays an essential role when building an IT-architecture for agile enterprises. Recently the Object Management Group (OMG) has developed a set of specifications that standardize such business models. This presentation briefly introduces the OMG specifications Business Motivation Model (BMM), Semantics of Business Vocabularies and Rules (SBVR), Business Process Modeling Notation (BPMN) and Organization Structure Metamodel (OSM). Then, by means of further OMG specifications, such as executable UML (xUML), Systems Modelling Language (SysML) and Model Driven Architecture (MDA) it is shown, how such business models may be transformed into a SOA-based IT-landscape.