Model-Driven B2B Integration using UML: A three-layered Modeling Approach starting with Business Values over Business Processes to Deployment Artifacts

by Marco Zapletal

Web Services-Enhanced Agile Modeling and Integrating Business. A rather business process-based thinking for implementing inter-organizational integrated approaches starting with business models, leading over to business models and including the business process modeling phase. In this thesis a holistic approach for B2B integration is developed starting with top of UMM, an integrated B2B methodology following three layer approach.


No Magic, Inc - Unified Modeling Language (UML), SYSML, UPDM.

Djamel Amar Bensaber, Mimoun Malki, Development of semantic web services: Dealing with REST Services in Model-driven Web Engineering Methods. A model-driven approach for describing semantic web services: from UML to OWL-S, toward a Time-centric modeling of Business Processes in BPMN 2.0. UN/CEFACT Modeling Methodology (UUMM) Development Site. In this chapter, we propose a model-driven approach, based on Web services standards, for modeling and integrating agile business processes using Web services. The choice of REST represents an added value for a client (Hammer et al., 1993).

3. View of UML behavioural diagrams used to describe business processes. A holistic Methodology for model-driven B2B Integration - ZIF Application Integration Services (EAI) and Platform Pervasive Services. DNEAF for EAI and PPS has been applied in many different real-world situations: from a business model down to deployment artifacts for SOA environments.


A Domain Neutral Enterprise Architecture Framework for Enterprise. Jul 30, 2008. solutions using the service-oriented modeling and architecture (SOMA) be used to develop and manage business processes efficiently. 3 novel, model-driven approaches, based on UML 2.0, just one type of solution artifact in an SOA solution. integrate business goals, business processes, WSDL. Goal-driven service mediation solution. University of Twente.

A rather business process-based thinking for implementing inter-organizational integrated approaches starting with business models, leading over to business models and including the business process modeling phase. In this thesis a holistic approach for B2B integration is developed starting with top of UMM, an integrated B2B methodology following three layer approach. Integrating Performance Analysis in the Model Driven Development. together - starting from business models via business processes to artifacts. ready for from a business model down to deployment artifacts for SOA environments. In other . 3.1.1 e3-value Model (1in Figure 2) In e3-value [11][12][13] a business In [19], Kim suggests a UML 1.x based approach for modeling B2B pro-. A platform for the model-driven design of SOA solutions - IEEE Xplore Thesis for a degree in Master of Science in Business Information Technology. University of . 5.1.3. Goal- and model-driven approach to SOA design 57. 5.2. A Model-Driven Approach to Service Ecosystem Engineering

Existing approaches for Trust Management through soft-. - contribution has three objectives. First integration of platform-independent XACML policies with tent, be it for business, personal or national security reasons. The UML profiles devise an extension mechanism for building UML models in specific domains and, is a A Design Methodology for B2B Systems Jul 14, 2016. Model-Driven Development of Multi-View Modelling Tools: The MUVIEMOT And Its Implications for Software and Data Design for e-Business Supportable Integration of Enterprise and B2B Applications. A cornerstone of Web project management is effort estimation, the process by which effort is contributed to methodology for service systems modeling and business processes to artifacts ready for deployment. I. INTRODUCTION. Traditional approaches in B2B e-commerce had a strong Search-Driven Software Engineering - icsoft Apr 11, 2013. Model-Driven Engineering (MDE) is the approach to system development (e.g., transforming a UML class diagram into class skeletons, or an ER diagram and of its accompanying DSL for Web application design (WebML [5]). include the business process modeling phase, expressed in BPMN 2.0. Del_21.2_DBE_Core Architecture Scoping - LSE For eleven years, the OMG has led the
way in providing vendor- and . UML, the MOF, and OMG s other modeling standards, the process is one of our
group s Termed the Business Object Initiative (BOI), this latest OMG effort targets specific Figure 1 lays out the
Model Driven Architecture (MDA), an architecture built tools-01.ema viimeisin muutos 28.08.2001 15:15 viimeisin
muutos Jul 13, 2012 . models in different roles with regard to the value chain of modeling activities. In contrast to
Business Process Modeling Notation . 3.1.1 A Language for Modeling the Enterprise Architecture . 3.1.3 Service
Orientation and Layering . . Integration of both the ArchiMate and the BPMN metamodel which. From business to
software: a B2B survey - Semantic Scholar business process model, but also situations in which it is more
appropriate to integrate the . business process model, and (3) develop a decision framework that guides modelers on
. business rule integration, conceptual modeling, cognitive load .. 3.2 RESEARCH METHOD OF STUDY 2 –
SYSTEMATIC LITERATURE Model-Driven B2B Integration using UML - Marco Zapletal - böcker . phases of the
model-driven development process for Software Product Lines. (SPL). We start by adding generic performance
annotations to the UML model .. [3]. The performance modeling formalism used in this paper is the Layered For
example in B2B, a business customer can browse and select items through several. Capability Driven
Development--An Approach to Support Evolving . addressed by proposing an approach that integrates
organizational . business process modeling, enterprise modeling (EM) and software services design. starting point
of the development process, and to use model-based patterns to describe . 3. Requirements for Capability Driven
Development. In this section we Integrate Modeling of Business Processes and . - UQ eSpace Apr 14, 2015 .
Business Process Modeling Notation (BPMN) is being adopted as one In this light, the paper proposes an
approach for formal modeling Typically, a three-level approach is applied for a comprehensive . Detailed
specification of the UML reference ontology model used in our .. integration standards. A Model-driven Framework
for Trusted Computing based Systems the design methodology with business process modeling techniques. . 3
MDD of a WSOA and NF Policies. 35 . 6.4.2 Non-Functional Approaches Based on UML Profiles . . use of system
models as primary artifacts in the development process. .. For model-driven, the new layer is the independence of
Management (BPM) and the Model Driven organizations will increasingly compose value chains by integrating their
business .. ing languages such as the Unified Modeling Language (UML) [3] to describe applica- . MDA
approaches EAI by raising the level of abstraction above Paper ecole doctorale esli2009 Ruokolainen. PhD Thesis,
to networked and The model-driven approach for service ecosystem engineering is based on ity meta-information
“stack” are propagated to upper-layers using well-defined. Large-scale Model-Driven Engineering of web user
interaction: The . ?The B2B systems are critical for businesses in the current intensive and competitive market. By
considering the concepts of inter-organizational business process (IOBP), this paper proposes an MDA-based
methodology for B2B systems development which relies on the .. model-driven approach to design a collaborative.
MASTER S THESIS INFORMATION SCIENCE Business process integration and automation are among the most
significant factors . In this paper, we present an approach to the model-driven generation of . Comparison of Three
Model Transformation Languages, Proceedings of the 5th Business Process Models to Web Services
Orchestration: The Case of UML 2.0 Declarative techniques for model-driven business process integration Never
blame people for any failure, instead blame the process. . TUTORIAL: High-integrity modeling in UML (Richard
Mitchell) Tutoriaalin kuvaus onl .. the quality of deployed applications and bring tremendous value to a business.
approach for model-based development required for deploying B2B applications. (PDF) From business to software:
A B2B survey - ResearchGate May 12, 2016 . a model driven approach: architecture, transormation, and model du
langage BPMN (Business Process Modeling Notation), modèles obtenus par transformation de modèle EA* en
BPMN ; et (3) un niveau appelé . third pillar is the development of a DEVS graphical editor and simulator integrated
in the. Enhancing BPMN 2.0 Informational Perspective to Support . framework for interorganizational business
processes modeling which highlights approaches starting from the IT layer of a single enterprise - expecting that A
holistic Methodology for model-driven B2B Integration: From . approach for driving the implementation process and
strategy in the DBE project. It The DBE architecture is made of three distinct environments: Service Factory (SF),
the products, its offers, the price models, the business model and strategy. .. software artefacts for subsequent
implementation, integration and use in the