

KnowEnterprise®/Business

Comprehensive support for the business perspective of Model Driven Enterprise Engineering™

Overview



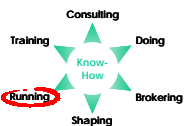
KnowEnterprise®/Business is a component of the KnowEnterprise® tool suite that provides comprehensive support for Model Driven Enterprise Engineering based on the Business Rules Approach (BRA). It gives the user the ability to capture and manage enterprise-wide information ranging from the business strategy to the IT architecture. KnowEnterprise®/Business supports the business audience in enterprise modelling and organizes information into four fully integrated views to represent business information essential to an enterprise:

Business Motivation – Strategy Model:

- **Motivation View:** Defines business goals, influencers and strategies

Business Design – Operational Model:

- **Vocabulary View:** Defines the semantic basis to express business rules
- **Rules View:** Defines precise formulation of directives as business rules
- **Process View:** Defines business process models and organization structures



This holistic approach creates transparency, as it provides traceability from any information back to its original business motivation. KnowEnterprise®/Business is based on the OMG specifications "Business Motivation Model (BMM)", "Business Process Modeling Notation (BPMN)", "Semantics of Business Vocabulary and Business Rules (SBVR)", "Organization Structure Metamodel (OSM)" and "Business Process Definition Metamodel (BPDm)".

The screenshot displays the Mini EU-Rent (BU+IT) software interface, Version 0 - ARTISAN Studio. The interface is divided into several panes:

- Left Pane:** A tree view showing the project structure, including folders for Business Model, Vokabular, and Prozessmodell.
- Top Center Pane:** A process diagram titled "Diagram - Mini EU-Rent Models:Business Model:Prozessmodell:Geschäftsprozesse:Reservation". It shows a flow starting with "Kunde" (customer) and "Fahrzeug buchen" (rent car), leading to "Kunde prüfen" (check customer), "Miete zurückgeben" (return car), and "Mietvertrag erstellen" (create rental agreement).
- Top Right Pane:** A motivation model diagram titled "Diagram - Mini EU-Rent Models:Business Model:Motivationsmodell". It shows relationships between business goals, influencers, and strategies.
- Bottom Center Pane:** A vocabulary diagram titled "Diagram - Mini EU-Rent Models:Business Model:Mini EU-Rent Vokabular:Faktendiagramm". It shows semantic relationships between entities like "Land", "Kunde", "Fahrzeug", "Mietvertrag", and "Preis pro Tag".
- Bottom Right Pane:** A "Properties of Fahrzeug" dialog box showing tag definitions for the "Fahrzeug" entity, such as "synonyms: Wagen, Auto" and "examples: Fahrzeuge".
- Bottom Left Pane:** A table titled "Contents of Prozessmodell" listing process models and their details.

Name	Type	Visibility	Changed By	Changed On
PM Geschäftsprozesse	Process Model	Public	SATURN/Wfs	21.02.2007 17:20:53
PM Niederlassungen	Process Model	Public	SATURN/Wfs	21.02.2007 17:20:54
PM Organisation	Process Model	Public	SATURN/Wfs	21.02.2007 17:20:54
PM Personen	Process Model	Public	SATURN/Wfs	21.02.2007 17:20:54

Functionality

Motivation View	<p>Elaboration and documentation of an enterprise's strategy.</p> <ul style="list-style-type: none"> • Definition of the vision as well as qualitative and quantitative goals as enterprise ends • Definition of the mission as well as strategies and tactics as enterprise means • Identification and assessment of influences on means and ends • Definition of directives and guidelines • Graphical representation of an enterprise's rationale using the Motivation Diagram 												
Vocabulary View	<p>Representation of the enterprise vocabulary as the semantic basis for rule definitions.</p> <ul style="list-style-type: none"> • Semantic definition of concepts (noun, verb and role concepts) • Graphical representation of semantics using Facts Diagrams • Definition of synonyms, ownership, source of and structural rules on concepts • Definition of communities and community-specific terms for concepts • Support for reuse of multiple vocabularies, including import and export 												
Rules View	<p>Precise formulation of directives in the form of business rules.</p> <ul style="list-style-type: none"> • Formulation of structural and operative business rules, based on enterprise vocabulary • Organization of business rules into Rule Sets • Definition of volatility, enforcement, and status of business rules • Automatic dependency analysis with graphical representation (Rule Map) • Support for multiple rule languages (SBVR, RuleSpeak®, KGRL) • Support for multiple natural languages 												
Process View	<p>Documentation of business processes and organization structures.</p> <ul style="list-style-type: none"> • Definition of business process map • Definition of business processes and workflows • Definition of organization structures and roles • Assignment of business processes to organizational units and roles • Assignment of resources to organizational units and roles • Specification of IT-support for business processes 												
General	<p>All views are based on a shared repository with the following characteristics:</p> <ul style="list-style-type: none"> • Comprehensive, metamodel-based integration of all views and optionally with KnowEnterprise®/IT • Hierarchical organization of model information • Multi-server/multi-client architecture for distributed work • Multi-user support with access authorization and locking • Model and model-element versioning, sharing, splitting, differencing and merging • Fine-grained automatic change logging • Interactive usage and summary reports as well as dependency analysis • Automatic document generation for Microsoft Word and HTML documents • XMI® and Rational Rose® import/export 												
Requirements	ARTISAN Studio® V6.1 or higher												
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