

Training

IBM Rhapsody Essentials for System Engineers

Model Based Systems Engineering with SysML

Objectives

- To use Rhapsody effectively in the context of a systems engineering process flow with the aim of ensuring that you are comfortable applying Rhapsody in all phases of systems analysis and design.
- To create systems level models with full traceability to OSLC-based requirements, including impact and coverage analysis.
- To validate systems models through model execution.

Administration

- Duration: 3 days
- Time: 9 am to 5 pm
- English or German (depending on participants)
- Training licenses will be available
- Not more than 8 participants

Date / Place

- Please have a look online:
www.evocean.com/events

Target Audience

- System Engineers / Architects
- Requirement Engineers
- Technical leaders and engineers involved in Systems Engineering

Requirements

- Systems Engineering experience
- Basic know-how of SysML is an advantage but not mandatory
- Notebook with Windows 7, 8 or 10 and 3 GB of free hard disc space

Conditions

- Costs incl. hand-outs.
- A notebook can be rented for EUR 150.00 excl. VAT (service charge).

Registration

Either on-line or completed back side of this flyer per e-mail or fax.

Content

In this training you will learn techniques required to use the Systems Modelling Language (SysML) and apply this using Rational Rhapsody with the aim to solve complex system engineering problems.

Through the use of hands-on exercises creating "real world" applications, you build a strong foundation in SysML and Rhapsody. The process by which models are created is explored through the creation of a "real-world" systems engineering model. The essential SysML diagrams for Requirements Analysis, System Functional Analysis, System Design Synthesis, are explored and applied in the exercises.

You will learn hands-on In this training how to use Rhapsody to build a model of a filling station, including the coverage of executable token-based activity diagrams, Metrics views, OSLC-based requirements linking, SysML Proxy Ports and Interface Blocks.

Topics

You will get an effective introduction to SysML and Rhapsody. The Topics covered are as follows:

- 1) Introduction to Model Based Systems Engineering (MBSE), SysML and Rhapsody
- 2) Requirements Analysis:
 - OSLC based requirements, traceability, coverage analysis and impact analysis
 - Modeling Use Cases
- 3) Functional Analysis:
 - Modeling Activities
 - Modeling Basic Structure
 - Modeling Sequence Diagrams
 - Modeling State Machines
 - Modeling Interfaces
- 3) Model Checking and Execution Design Synthesis:
 - Decomposition, Allocation and Handoff
 - Reporting

Registration

	Description	Date	Place	Costs (excl. VAT) per participant
<input type="checkbox"/>	Rhapsody Essential for Systems Engineers			EUR 1'980.00
		refer to www.evocean.com -> Events		
<input type="checkbox"/>	We will need a notebook each	This request needs to be with us latest two weeks prior to training.		EUR 150.00

We will participate

	Name, First Name	Email	Function	Phone
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

I can't participate. Please send me the following information:

<input type="checkbox"/>	Systems Engineering	<input type="checkbox"/>	Real-Time Embedded Systems	<input type="checkbox"/>	MBSE
<input type="checkbox"/>	Model Driven Development	<input type="checkbox"/>	Development Processes	<input type="checkbox"/>	SysML, UML
<input type="checkbox"/>	Requirements Management	<input type="checkbox"/>	Product Line Engineering	<input type="checkbox"/>	Testing Solutions
<input type="checkbox"/>	Workshops, Trainings	<input type="checkbox"/>	Consulting Services	<input type="checkbox"/>	Tools
<input type="checkbox"/>	Company Profile	<input type="checkbox"/>	Please contact me		

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Conditions for cancelling:

If you cancel your registrations following charges are invoiced (cancellation date prior to start of course): until 10 days 50%, until 5 days 80%.
Trainings take place with a minimal of 4 attendees. Cancellation latest one week prior to course.

We offer all seminars, trainings and workshops also on-site at customer and also on a customized base. Please ask us for an offer.

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