

Tool Training

IBM Rhapsody for Software Engineers C++ Model Driven Development for Embedded Systems

Administration

- Duration: 3 days
- Time: 9 am to 5 pm
- English or German depending on Participants

Dates / Location

Please refer to www.evocean.com/events

Target Audience

This course is applicable to all who are involved in the Specification, Analysis and/or Development of software intensive embedded systems.

- Software Engineers
- Software Architects
- Project / Technical Leaders
- System Designers, - Engineers

Prerequisites

- Project experience in C++
- Basic Know-How of UML/OO is an advantage but not mandatory
- Notebook mit Windows 8, 10 and 3 GB free hard disc space.

Conditions

Costs include Handouts.

Registration

Either on-line or completed backside of this flyer per e-mail.

Overview

This intensive 3 Day Training provides a comprehensive introductions into the Rhapsody's core capabilities for Software Developers, enabling Software Developers to rapidly adopt model driven development technics for embedded applications in the Rhapsody tool.

Agenda

The training teaches the basic principles of model-driven software development based on an exemplary use case-driven development approach including the following phases:

- **Analysis:** Import and Trace Requirements, Requirements Diagram and Table, Use Case Analysis and Scenarios, Traceability Matrix
- **Architectural Design** Software Architecture, Classes, Structure Composite, Object Instantiation Strategies
- **Behavioural Design:** Statecharts, Activity Diagrams
- **Implementation:** Code Generation, Use of external libraries and headers, Rhapsody Intelli-Visor and Active Code features
- **Test** Building executable Models, Rhapsody Debugging (Animation), using Panel Diagram for model interaction and Testing environment using Rhapsody Test-Conductor

Advanced Rhapsody® Concepts covered:

- Introduction and Overview into UML and Software-Engineering Development Methods
- Rhapsody Key Enabler / comparison of the Rhapsody editions
- Create initial project structure using Packages / Package Diagrams
- Rhapsody File Repository / Version Control with Rhapsody (Unit File, Rhapsody Diffmerge)
- Reusing Model Artefacts: Add to model (Reference, Unit, Copy)
- Use of Tables and Matrixes
- Model Navigation using Hyperlinks, Quick Navigation, References and Rhapsody Shortcuts
- Interface and Interface realization
- UML Ports (Contract, Provided and Required Interfaces Ports)
- Active Classes / Multithreaded Application
- Creating Queries, Custom Views to search and filter the Model, Browser and Diagrams
- Rhapsody customisation, Properties
- Profiles, Stereotypes and Tags

Your Benefit

The course is a mixture between lectures and hands-on exercises based on a "real world" application. You will build up a strong Rhapsody foundation and learn how to optimally leverage the solution's automation of software development and artifact generation capabilities.

Registration

	Description	Date	Location	Costs excl. VAT per participant
<input type="checkbox"/>	Tool Training: Rhapsody for Software Engineers in C++			CHF 2'475.00 EUR 2'250.00
		Refer to www.evocean.com		
<input type="checkbox"/>	We will need a Notebook each	This request needs to be with us latest two week prior to training		CHF 165.00 EUR 150.00

We will participate

	Name, First Name	Email	Funktion	Telefon
<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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Send to:

EVOCEAN GmbH
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info@evocean.ch (Switzerland)
info@evocean.at (Austria)
info@evocean.de (Germany)

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 start of course.

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

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