

Jump Start: Embedded System Development with UML

IBM Rational Rhapsody C++ Training on Raspberry Pi

Overview

This training offers a special, very effective introduction into the development with UML and Rhapsody 8.X[®]:

From the beginning on, the popular Raspberry Pi is used as target hardware. The concepts are implemented in a practical oriented way directly on the board. The participants will learn hands-on how to work with UML and Rhapsody with a target hardware.

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 at www.evocean.com

Target Audience

Technical leaders / Software engineers & developers / interested persons in Rhapsody

Requirements

- Project experience with C++
- Basic know-how of UML is an advantage but not mandatory
- Notebook with Windows 7 or 8 and 3 GB of free hard disc space

A notebook can be rented for EUR 150.00 excl. VAT (service charge).

Conditions

- 3 days incl. Hardware 1980.00 Euro

Registration

Refer to back side of this flyer

Content

This training is of interest for you if you can answer one or more of the following questions with a "Yes":

- You are interested in model based development with UML and you would like to experience hands-on how to implement it in your company
- You are already using Rhapsody[®] and need a very effective and hands-on introduction
- You already have some practical experience with Rhapsody[®] Software Architect and would like to extend your know-how
- You know other UML tools and you are interested to see what Rhapsody[®] can offer (more) in comparison
- You would like to get a Raspberry Pi

Agenda

You will get an effective introduction in UML and Rhapsody:

- Overview and needs of an UML development infrastructure
- UML basics
- IBM Rational Rhapsody: concepts, functionality & use
- Installation of Rhapsody, Cross-Compiler & Raspberry Pi
- Classes, relationships and communication
- Object instantiation strategies
- Model-code synchronicity: navigation from model to code and back
- Behavioural-, state and flow diagrams
- Graphical debugging of UML models on host & target
- Interactions- and sequence diagrams
- Abstract classes
- Ports and interfaces
- Structure diagrams
- Complex hierarchical and parallel state diagrams
- Container classes
- Integrating and usage of external sources & libraries
- Rhapsody customization and UML profiles
- Active classes / threads; interrupt service routine, timing-diagrams
- Model driven testing – OMG Testing Profile
- Seamless traceability of requirements to code
- Rhapsody Framework (OXF)
- Reverse engineering
- Concepts and „best practise": Configuration Management

Registration

	Description	Date	Place	Costs (excl. VAT) per participant
<input type="checkbox"/>	Rhapsody on Raspberry Pi (incl. Raspberry Pi with I ² C LC-Display, extension board, sensors, actuators, SD Card and Cross-Compiler)	www.evocean.com	Munich	EUR 1'980.00
<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	Date of Workshop	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"/>	IT Application Development	<input type="checkbox"/>	Real-Time Embedded Systems	<input type="checkbox"/>	Systems Engineering
<input type="checkbox"/>	Model Driven Development	<input type="checkbox"/>	Development Processes	<input type="checkbox"/>	MDA / 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		

Company

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Signature

Send to:

EVOCEAN GmbH, Seminars
 Fax +41 41 790 78 93, info@evocean.ch (Switzerland)
 Fax + 43 1 740 40 80 36, info@evocean.at (Austria)
 Fax +49 89 452 352 110, 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 course.

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