

# Professional Services

*Model Driven Development (MDD)*



# Model Driven Development (MDD)

Nohau Professional Services

## Why Professional Services?

Nohau Professional Services provides;

- process improvement consulting
- process and product training
- systems and software modeling solutions using IBM Rational Rhapsody.

With our significant experience in the real-time embedded domain, we have provided consulting to the leading companies in automotive, military/aerospace, consumer electronics, industrial automation, and telecommunications.

Together with our customers, we improve systems and software design processes, allowing to take advantage of the latest tools and technologies.

our expertise enable the realization of the benefits of these efforts as quickly as possible, while minimizing the risk involved in deploying new processes and tools.

The result for our customers is that they achieve higher productivity, profitability and quality, while developing a competitive advantage in their market.

Working with your organization, our consultants can help set-up and increase software development and testing productivity with efficient tool solutions.

You can also leverage our experience and expertise in software tool selection, team organization, and technology adoption.

# MDD Conceptual Workshop

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## Overview

During the MDD Conceptual Workshop, you will get an understanding of key components and areas of the IBM Rational Rhapsody tools suite.

A workshop is helpful for exploring the project/organization/company's potential of an MDD approach.

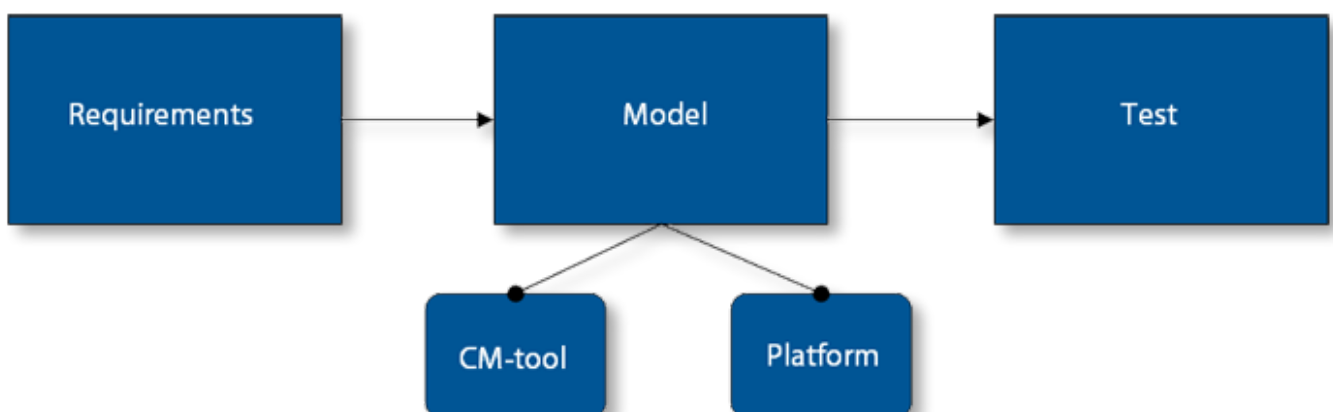
## Content

1-day introduction of Model-Driven Development. The demonstrated key components may include:

- Requirements Capture (with MS Word or Rational DOORS)
- Modelling and Model Review
- Collaboration Analysis
- Platform Independence
- Testing Capabilities
- Configuration Management
- Documentation Process

## Deliveries

- An understanding of the available techniques for working with MDD and the IBM Rational Rhapsody tool suite.
- An awareness of how these techniques are applied to take advantage of the potential of MDD.





# MDD Technology Workshop

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## Overview

The MDD Technology Workshop has been specifically designed for current users of the IBM Rational Rhapsody tool, who needs a deeper understanding of the capabilities of the solution.

Our consultants work with participants to increase the understanding and enhance their core tool capabilities.

The workshop is tailored on specific areas depending on the participants needs and objectives.

## Content

Through a combination of lecture and lab exercises using IBM Rational Rhapsody, several technical "dive-in-deep" are offered:

- Rhapsody Gateway (with RM tool included)
- Rhapsody ReporterPlus
- Rhapsody TestConductor
- Rhapsody Framework and code generation

Duration: 1-5 days depending on content

## Deliveries

Recipients of MDD Technology Workshop find their productivity is greatly enhanced after delivery of the services.

# MDD Kick-start Workshop

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## Overview

The MDD Kick-start Workshop is a 3-part session in modern software design for high performance embedded systems using UML2.1 (Unified Modeling Language).

The workshop has been specifically designed for users new to the IBM Rational Rhapsody tool or existing users initiating a new project.

This workshop covers the complete knowledge required to get started developing embedded software with UML, and the essentials of the IBM Rational Rhapsody tools.

## Content

The workshop is divided in 3 blocks. *Each block can be booked separately.*

### » Block 1: UML overview

This one-day session teaches the basic concepts and techniques of UML.

This block could be extended into 2 days, if attendants have no prior experience of object-oriented techniques or UML.

### » Block 2: Start-Up using IBM Rational Rhapsody

This three-day event teaches the concepts and techniques of object-oriented software development using Rhapsody.

The hands-on exercises with the IBM Rational Rhapsody allows the attendants to practice concepts introduced in the lectures.

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# MDD Kick-start Workshop (Continue)

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## » Block 3: Practical use with embedded hardware

This one-day block teaches development techniques especially in Embedded and Real-Time environments using Hardware with limited resources.

With a combination of lectures and lab exercises using the IBM Rational Rhapsody, participants will learn a model-driven approach for development of embedded systems.

## Deliveries

Participants of the Kick-Start Workshop will find that their productivity is greatly enhanced.

They rapidly begin their modelling with the help of an expert, significantly reduce risk, and have a roadmap for the successful and on-time completion of their project.

The end result is a significant return on investment.

# MDD External Code Workshop

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## Overview

When a new project starts, there is often much available software, which should be re-used in some way, e.g.:

- Integrate with a 3rd party library
- Reuse code developed by a third party, open-source or legacy code
- Integrate code generated from another tool

Depending on the organization's MDD objectives and experience, there might be different goals in each project:

- Visualizing Legacy Code (documentation purposes only)
- Gradual Transition to MDD
- Full Transition to MDD

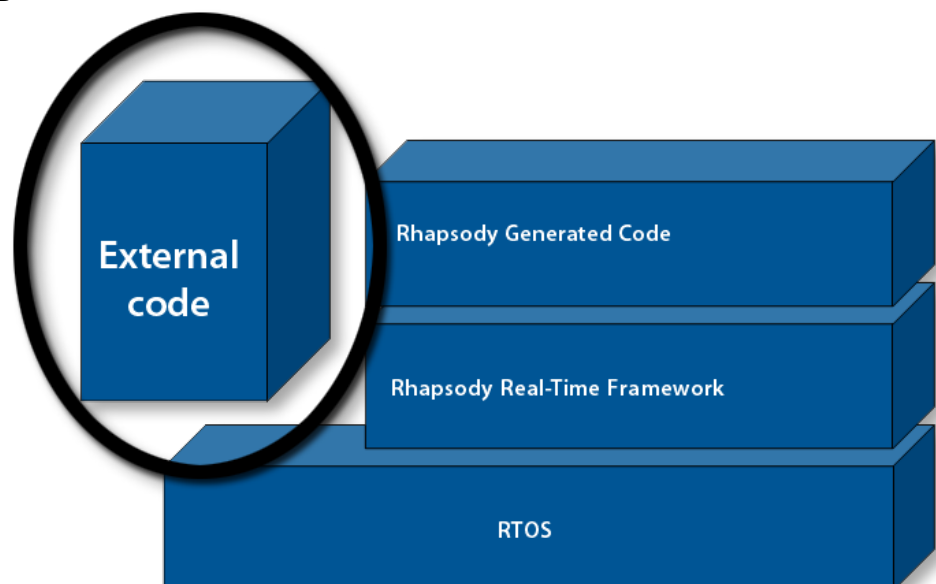
This workshop will give insights to different workflows and strategies.

## Content

In the External code Workshop, participants will learn different approaches on managing external code together with the Rhapsody generated code.

## Deliveries

- An understanding of the available techniques for working with external C/C++ source code
- An awareness of how and when these techniques can be applied toward different user workflows.





# Nohau Professional Services

## About Nohau

Founded in 1981, Nohau is an independent experienced process and solution specialist who understands the evolution of the Software Delivery and understands the different processes needed to meet that evolution.

The prime target for Nohau is to make the customers software team more efficient, effective, innovative and prepare for the business evolution of the market. Nohau have enabled over 3000 organisations to shorten development time and improve software quality through proven solutions of tools, training and process support.

Nohau are represented all over the Nordic market with offices in Sweden, Denmark, Finland and Norway.

More about Nohau: [www.nohau.se](http://www.nohau.se)

## Contact

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