



Enterprise Computing Solutions - Education Services

## OFERTA FORMATIVA

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# Essentials of IBM Rational Rhapsody for Systems Engineers V8.1.1

<b>CÓDIGO:</b>	<b>DURACIÓN:</b>	<b>Precio:</b>
QQ144G	32 Hours (4 días)	€2,100.00

## Description

In this course you learn the techniques required to use the Systems Modeling Language (SysML V1.3) and Rational Rhapsody to solve a complex system engineering problem. 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 in the exercises. In this course, you learn how to use Rhapsody to build a model of a filling station. New in this version of the course is the coverage of executable token-based activity diagrams, Metrics views, OSLC-based requirements linking and SysML 1.3 Proxy Ports and Interface Blocks

## Objetivos

- Learn the product in the context of a system engineering process flow to ensure you are comfortable applying Rhapsody at all phases of system analysis and design
- Create systems level models with full traceability to oslc-based requirements, impact and coverage analysis
- Validate systems models through execution

## Público

This basic course is for systems engineers and project managers.

## Requisitos Previos

You should have knowledge of systems engineering.

## Programa

### Introduction to Model Based Systems Engineering (MBSE), SysML and Rhapsody Requirements Analysis:

- OSLC based requirements, traceability, coverage analysis and impact analysis
- Modeling Use Cases

### Functional Analysis:

- Modeling Activities
- Modeling Basic Structure
- Modeling Sequence Diagrams
- Modeling State Machines
- Modeling Interfaces

### Model Checking and Execution Design Synthesis:

- Decomposition, Allocation and Handoff
- Reporting

## **Fechas Programadas**

A petición. Gracias por contactarnos.

## **Información Adicional**

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.