

## Introduction to IBM Rational Analyst Tools

### Objectives

- Learn how to apply key features of IBM<sup>®</sup> Rational<sup>®</sup> analyst tools
  - IBM Rational RequisitePro<sup>®</sup>
  - IBM Rational Software Modeler
  - IBM Rational SoDA<sup>®</sup>
- Practical tool usage guidelines to enact iterative requirements best practices
  - Business modeling
  - Requirements management
  - Use cases

### Description

*Introduction to IBM Rational Analyst Tools* teaches the experienced analyst how to apply the key capabilities of IBM Rational RequisitePro and IBM Rational Software Modeler (RSM) for iterative requirements management and use case modeling. The course begins with a review of a proven configuration for setting up a new RequisitePro project. Then the course describes how to capture the vision document through importing existing requirements and then organizing them in the project explorer. Interaction with attribute matrix views for changing, sorting, and querying requirement attributes is discussed. The course also describes how to build the domain model and use case model in UML using RSM and how to integrate RSM with RequisitePro for managing use case specifications. IBM Rational SoDA is introduced as tool for generating the domain model and use case surveys. Strategies for marking requirements and setting attributes for use case specifications are discussed. The course concludes with establishing and querying traceability between features, use cases, and test cases using traceability matrix and tree views.

### Course Outline (Modules and Topics)

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| <ul style="list-style-type: none"> <li>• Requirements Process Overview                             <ul style="list-style-type: none"> <li>• Requirements management work products, templates, and samples</li> <li>• RequisitePro project setup</li> </ul> </li> <li>• Capture Vision                             <ul style="list-style-type: none"> <li>• Traceability strategy</li> <li>• Import existing requirements</li> <li>• Organize requirements in project explorer</li> </ul> </li> <li>• View Attributes                             <ul style="list-style-type: none"> <li>• Attribute matrix view</li> <li>• Requirement properties</li> <li>• Sorting and querying views</li> <li>• Requirement reporting with Word</li> </ul> </li> <li>• Build Domain Model                             <ul style="list-style-type: none"> <li>• RSM model setup</li> <li>• Business systems and business entities</li> <li>• Associations and multiplicity</li> <li>• Domain model survey with SoDA</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Build Use Case Model                             <ul style="list-style-type: none"> <li>• Use case packages</li> <li>• Use cases and actors</li> <li>• Use case diagrams</li> </ul> </li> <li>• Capture Use Cases                             <ul style="list-style-type: none"> <li>• RSM/RequisitePro integration setup</li> <li>• Use case specifications</li> <li>• Use case survey with SoDA</li> </ul> </li> <li>• Identify Requirements                             <ul style="list-style-type: none"> <li>• Requirements marking in use case</li> <li>• Hierarchical requirements</li> </ul> </li> <li>• Manage Traceability                             <ul style="list-style-type: none"> <li>• Feature-use case-test case traceability</li> <li>• Traceability matrix view</li> <li>• Suspect links and revision history</li> <li>• Traceability tree views</li> </ul> </li> </ul> |
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### Duration

1 day

### Course #

01-0602

### Prerequisites

- Requirements Management Fundamentals course
- Use Case Modeling Fundamentals course

### Continuing education

- IBM Rational SoDA for Word Fundamentals
- Introduction to IBM Rational ClearQuest

### Classroom requirements

- IBM Rational RequisitePro v7.0+
- IBM Rational Software Modeler v7.0 +
- IBM Rational SoDA v7.0+
- Microsoft Windows XP SP2 (1.0+ GB RAM)
- Microsoft Word XP/2003

### In partnership with

### Audience

- Business architect
- Business analyst
- System analyst
- Project manager
- Software architect
- Test analyst
- Technical writer

Proven ▶▶▶▶▶ Practical ▶▶▶▶▶ Process™