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Better Business Modeling with IBM Tools

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IBM Rational Software Development Conference 2007

What keeps me **Rational**?

9 October – Johannesburg & 11 October – Cape Town

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Session Summary

- There are a number of possible tools and techniques for doing business modeling using the IBM Rational Software Delivery Platform. This presentation provides best practices, including which tools to use, for effective business modeling. The session also demos the capabilities and the tight integration between IBM Rational RequisitePro, IBM WebSphere Business Modeler and IBM Rational Software Modeler.

Business Modeling

- The purposes of business modeling are:
  - To understand current problems in the target organization and identify improvement potentials.
  - To assess the impact of organizational change.
  - To ensure that customers, users, developers, and other parties have a common understanding of the organization.
  - To derive the software system requirements needed to support the target organization.
  - To understand how a to-be-deployed software system fits into the organization.

How do you use Business Modeling in your organization?

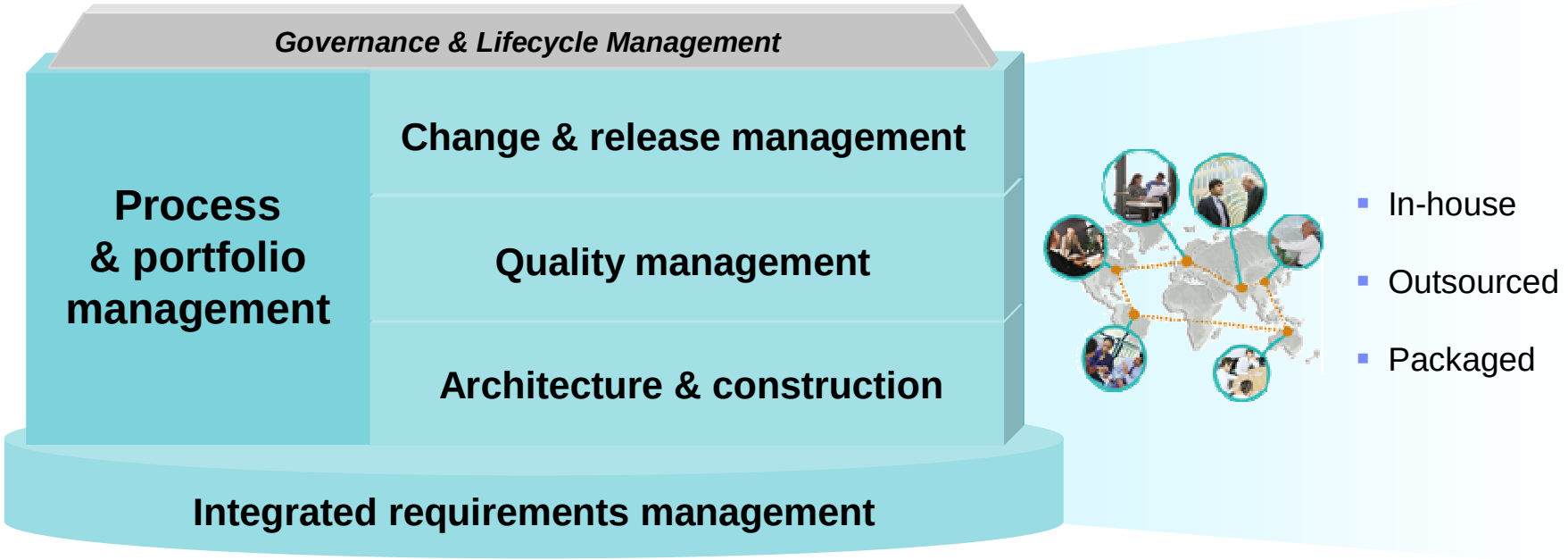
What are your best practices for Business Modeling?

IBM Rational Software Delivery Platform

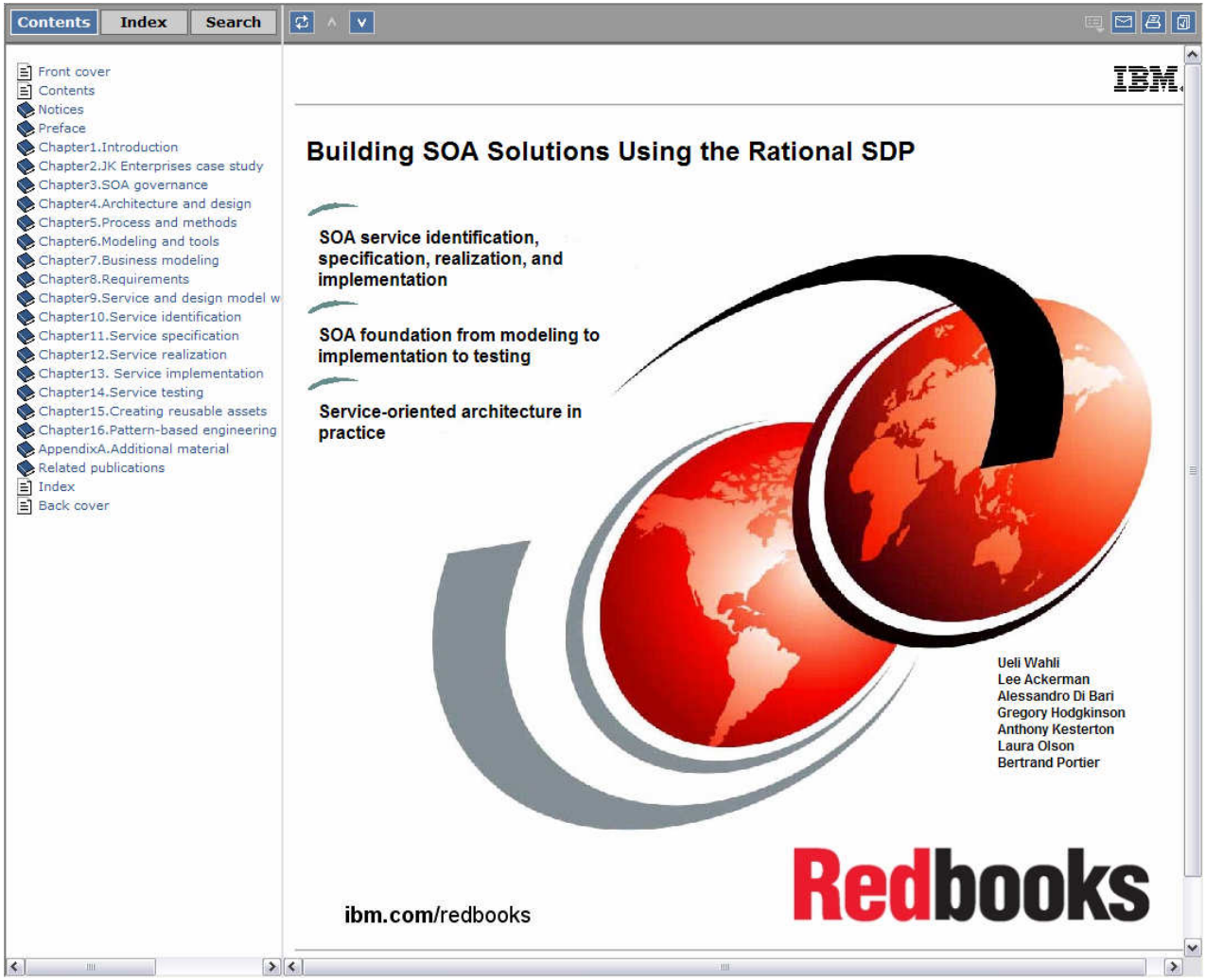
What we offer

Rational. software

Process design and implementation best practices based on a market leading solutions delivery platform



Building SOA Solutions using the Rational SDP



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Business Driven Service Lifecycle Management

Discovering the Value of Business Driven Service Lifecycle Management

AN IBM PROOF OF TECHNOLOGY

INTRODUCTION

Service Oriented Architecture (SOA) isn't a new concept, but because of today's rapidly changing marketplace, complexity in information technology infrastructures, and the race to remain competitive, SOA has emerged as a key tool to help clients create solutions that meet organization's requirements today while remaining flexible to quickly adapt to future needs. When you use business requirements to drive all downstream development activities, you close the gap between IT and business. In the context of service oriented design and development, the result is exceptionally flexible solutions that you can rapidly adapt to meet changing business needs and priorities.

Business Driven Service Lifecycle Management addresses two of the key challenges facing many business leaders — improving responsiveness and aligning IT with business goals. Business flexibility is a fundamental need for companies seeking to react to a rapidly changing landscape that includes emerging competitive threats, shifting compliance and regulatory requirements, mergers, acquisitions, and evolving technology. Just as important is the ability to align a core businesses process — software development — with business needs and priorities.

OBJECTIVE

The objective of this session is to implement a business driven approach to SOA using the IBM® SOA Foundation. IBM's SOA Foundation solution provides a SOA governance model and service lifecycle management infrastructure tools, which together, can help you realize the full potential of your SOA investments.

AUDIENCE

This session is specifically designed for IT Executives including Chief Information Officers, Chief Technology Officers, Chief Architects, Application Development Executives, Lead Business Analysts, Line of Business Executives, and Project Managers. No prerequisite knowledge of IBM Rational® or WebSphere® platforms is required. However, it is recommended that participants have a thorough understanding of traditional software development lifecycle, business needs, and current IT technologies.

COST

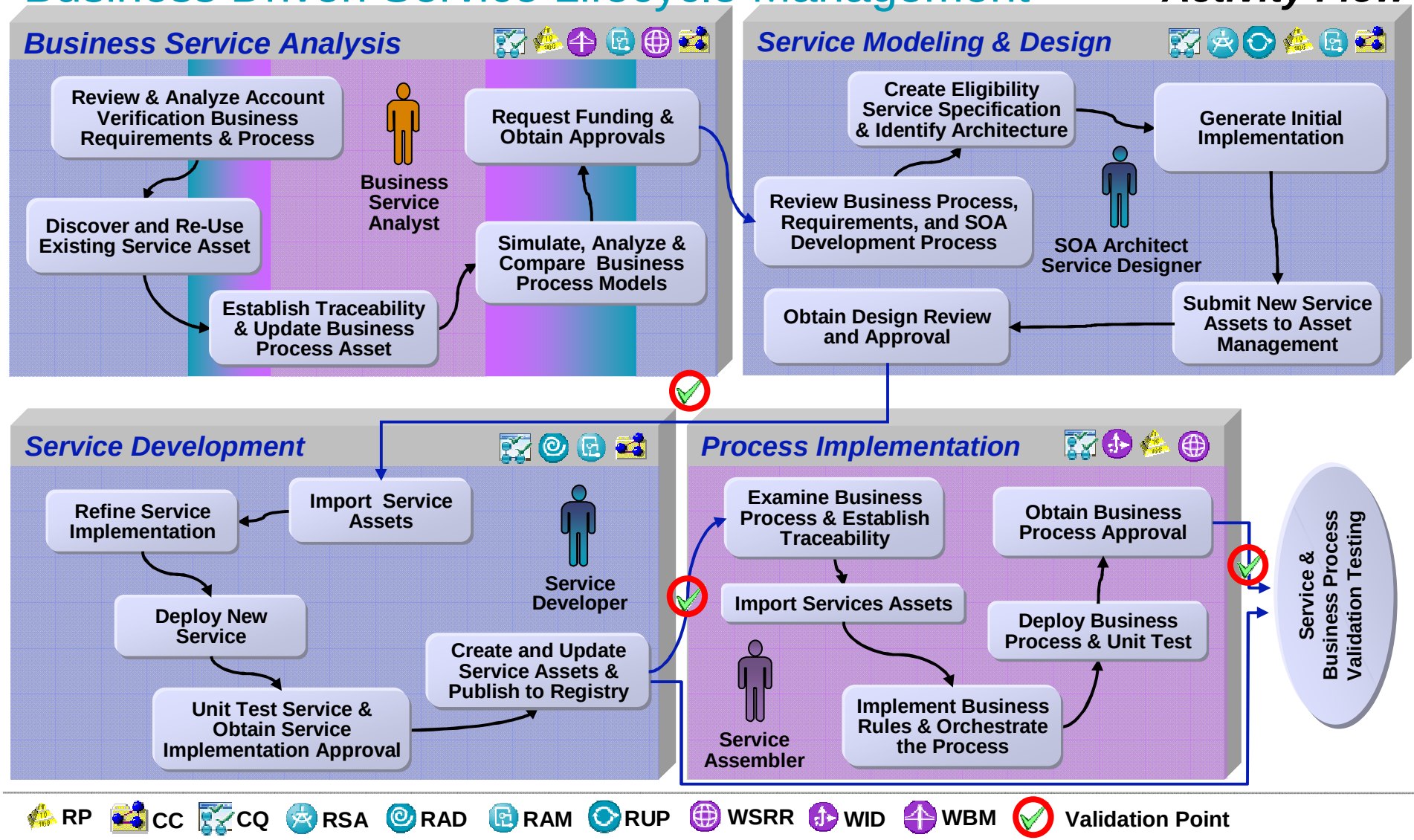
This session is offered free of charge. Complimentary refreshments including continental breakfast and lunch will be provided. However, participants are responsible for their own business travel expenses.

The demo example – JK Enterprises

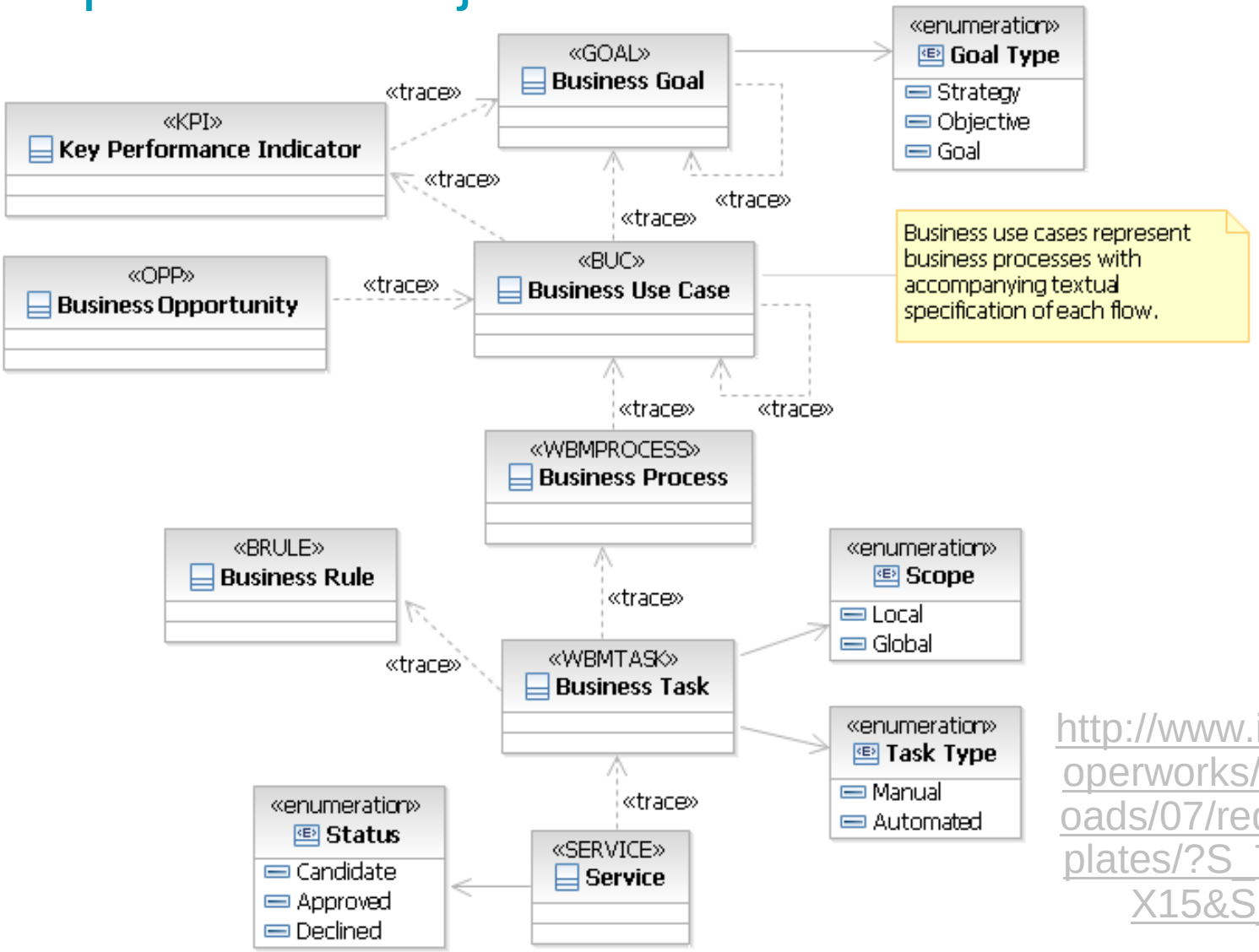
- For the purposes of this demo, I will play the role of a Business Service Analyst (and an Architect/Designer)
- JK Enterprises is under increasing pressure to reduce costs while improving their ability to serve their customers.
- At present, Credit Check activities are handled manually by a team of Account Coordinators who are notified via a paper form to phone or fax the "appropriate" credit reporting agency to retrieve the customer's credit score.
- JK Enterprises wishes to improve their ability to process requests for new accounts quickly.
- In the course of early analysis it became patently clear that Account Application and Account Verification were strategic reusable services whose improvement would greatly benefit the business.

Business Driven Service Lifecycle Management

Activity Flow



RequisitePro Project Structure



http://www.ibm.com/developerworks/rational/downloads/07/reqpro_proj_templates/?S_TACT=105AGX15&S_CMP=LP

RequisitePro v7 Integration Summary

Benefits

- Requirements across the Lifecycle
- Requirements Traceability

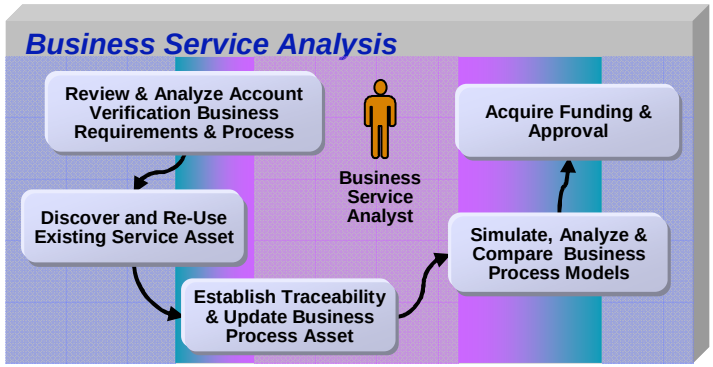
Capabilities

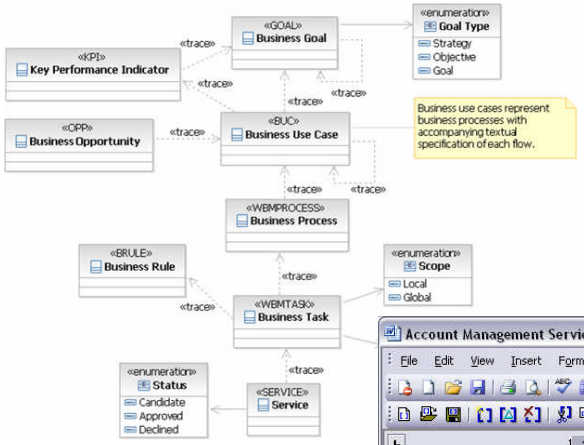
- Hub of the Lifecycle for the Analyst
- Analyze requirements coverage to test
- Visualize requirement links to model elements

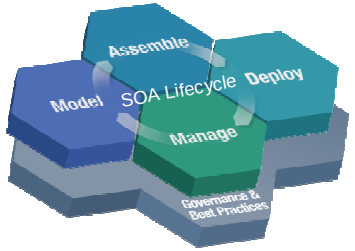
Products	RequisitePro Integrations
IBM Rational Data Architect	✓
IBM Rational Software Modeler	✓
IBM Rational Software Architect	✓
IBM WebSphere Business Modeler	✓
IBM WebSphere Information Developer	✓
IBM Rational ClearCase/ClearQuest/CQTM	✓
IBM Rational Portfolio Manager	✓

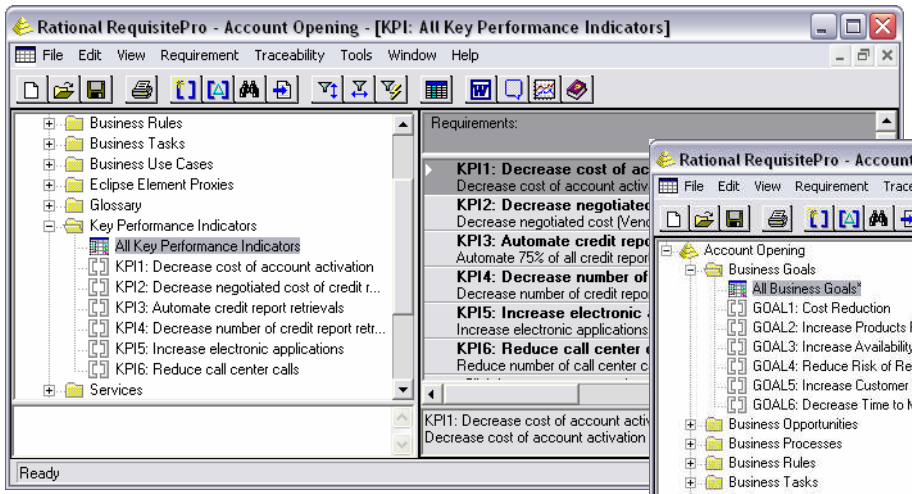
Business Service Analysis

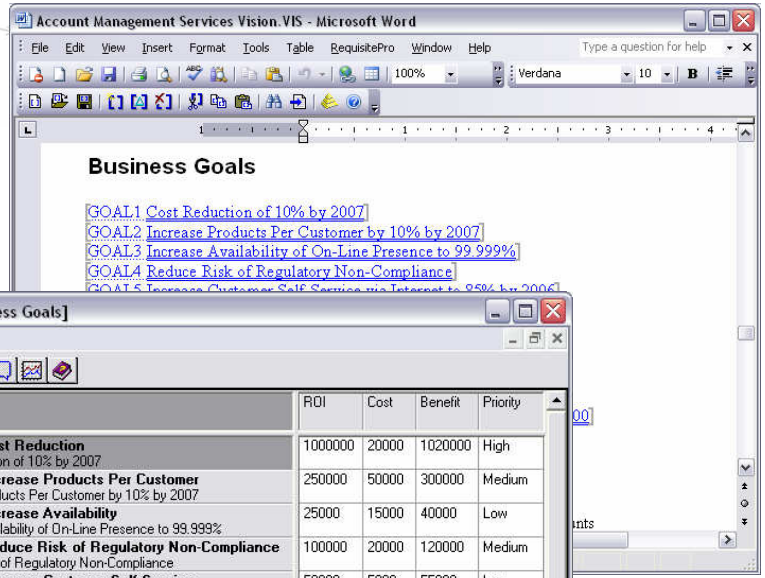
Define business requirements

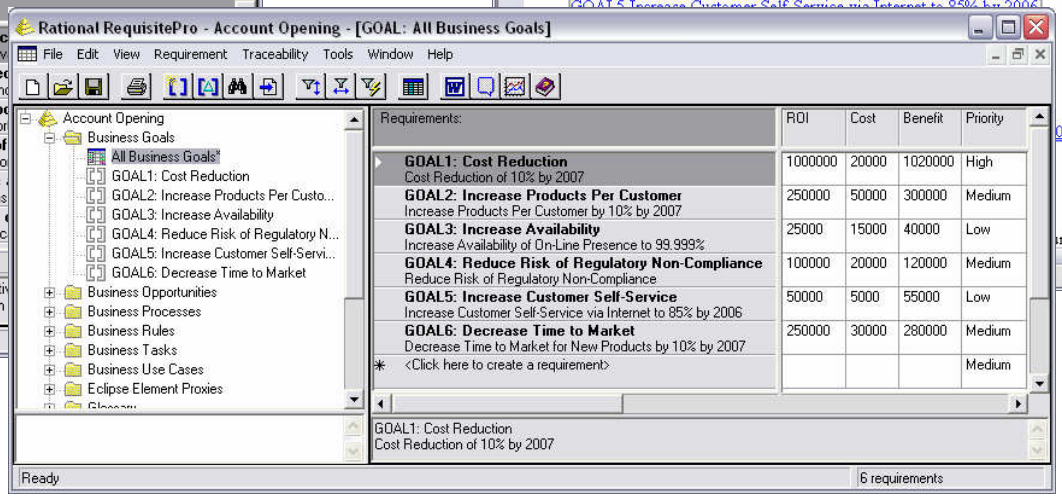






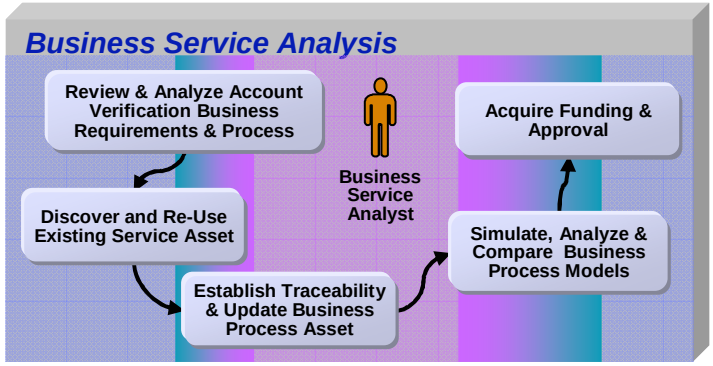


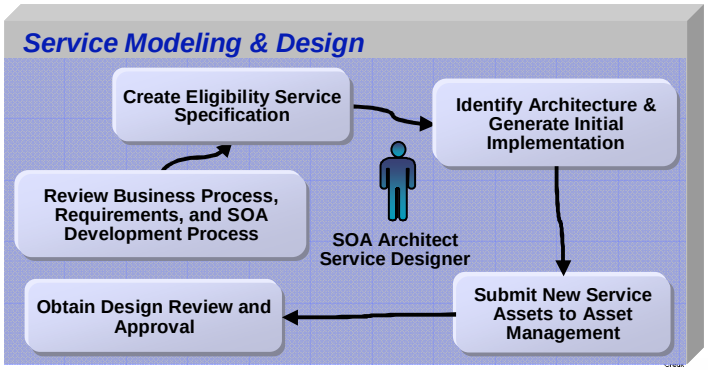


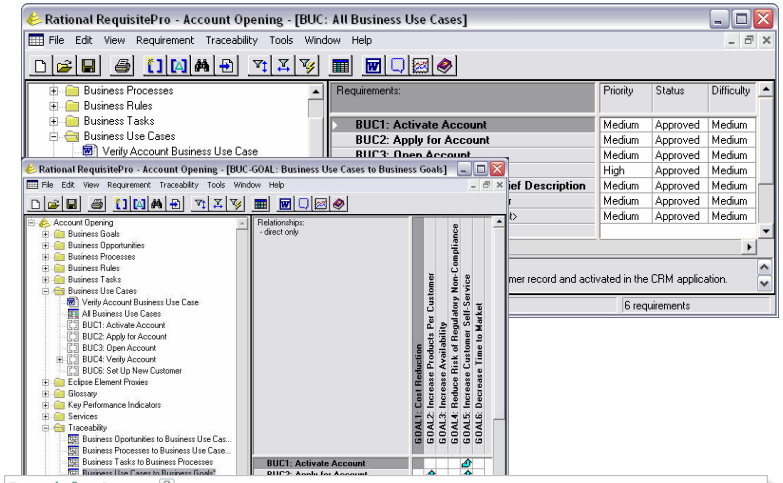


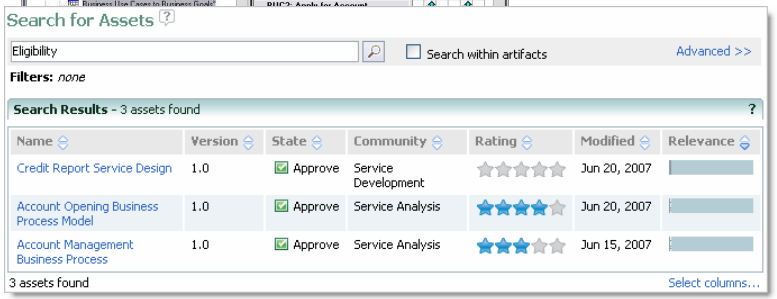
Business Service Analysis

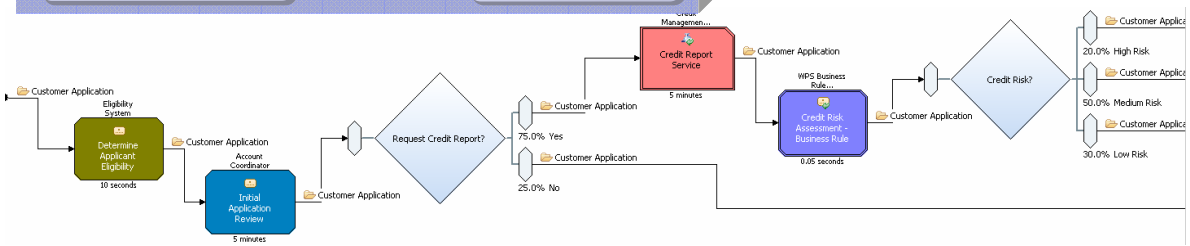
Model the business (& identify the services)

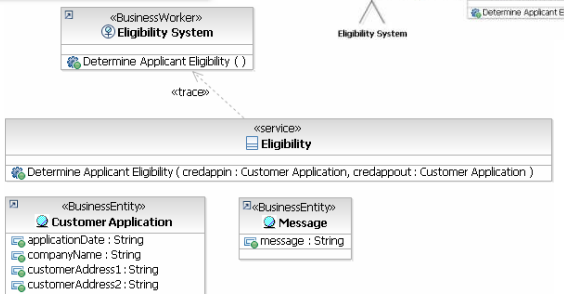


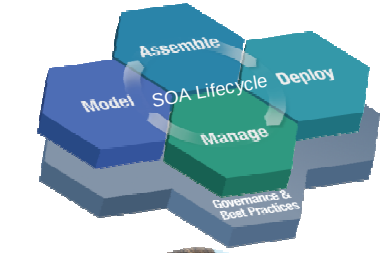


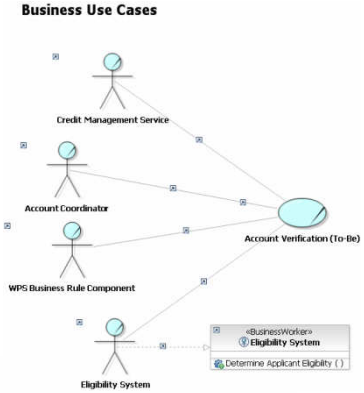




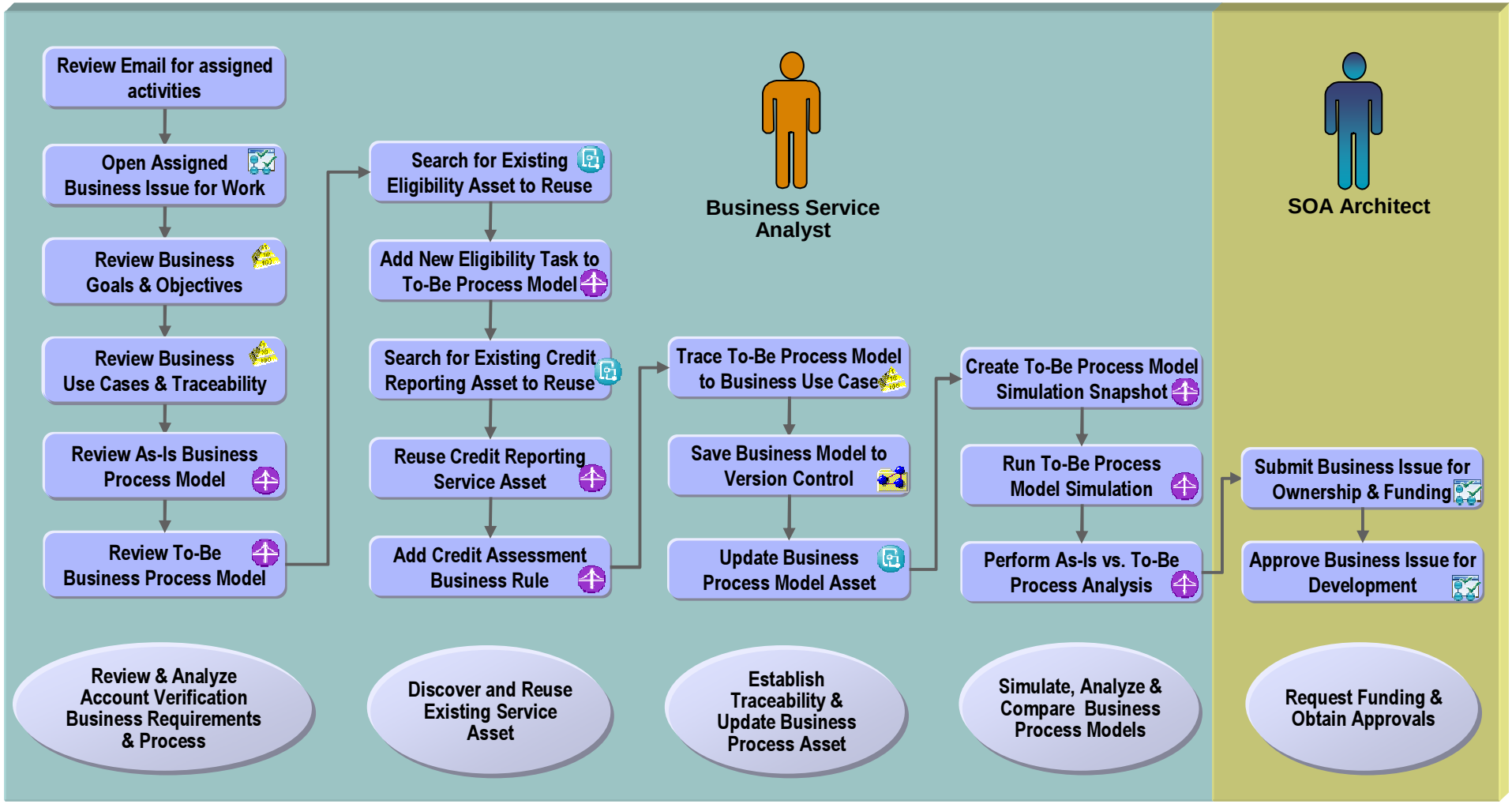






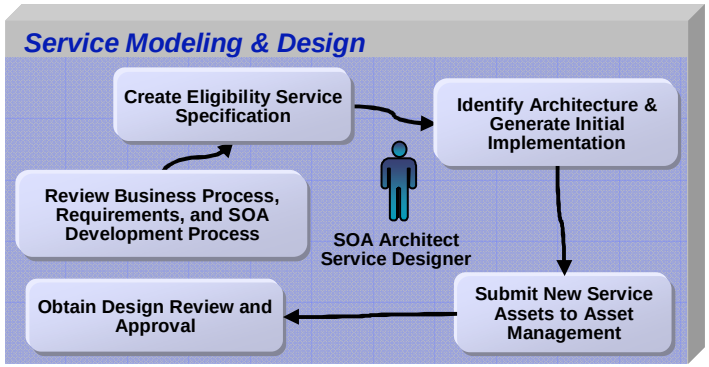


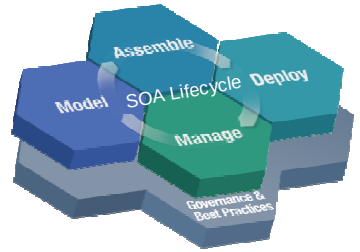
Business Service Analysis

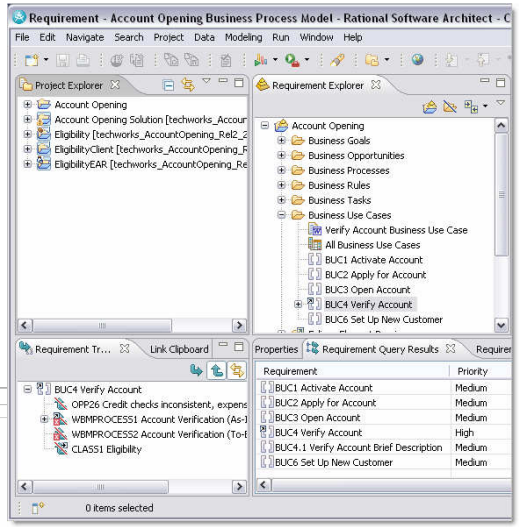


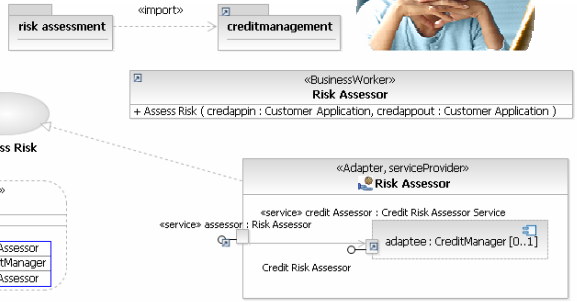
Service Modeling & Design

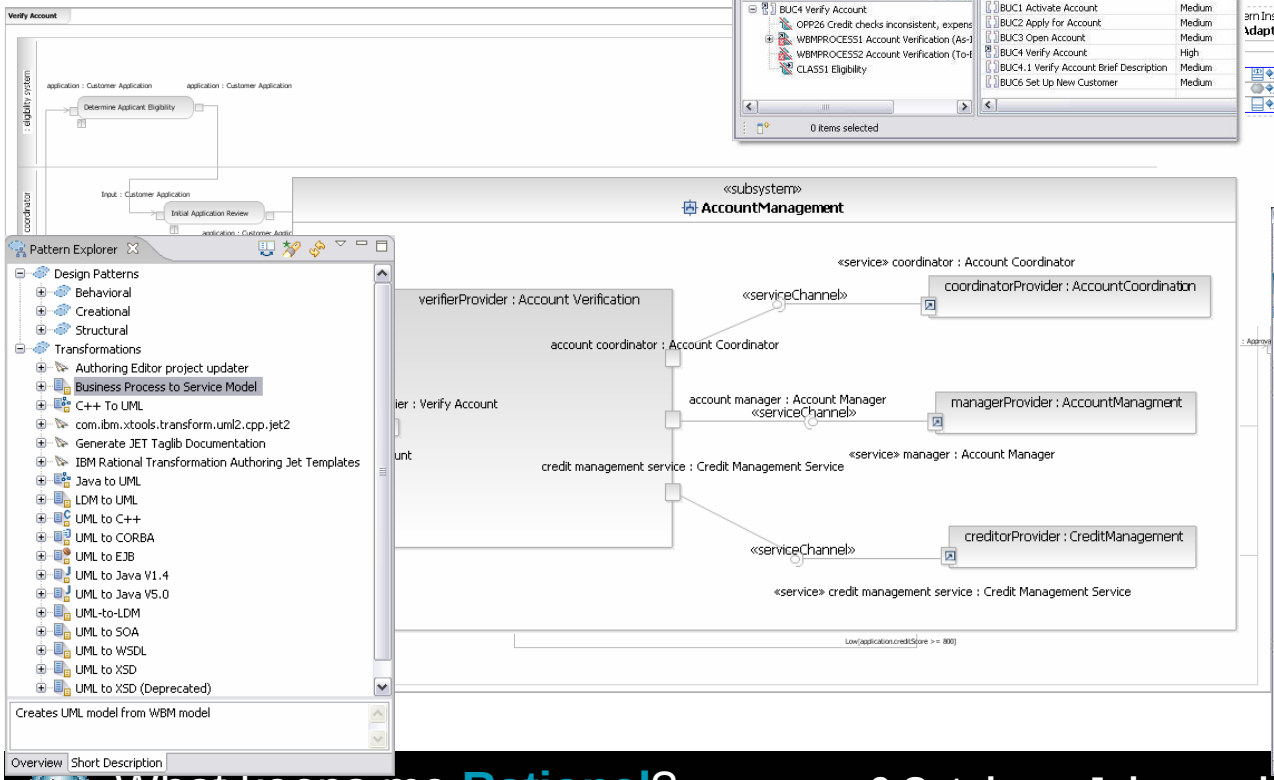
Design the Services Architecture

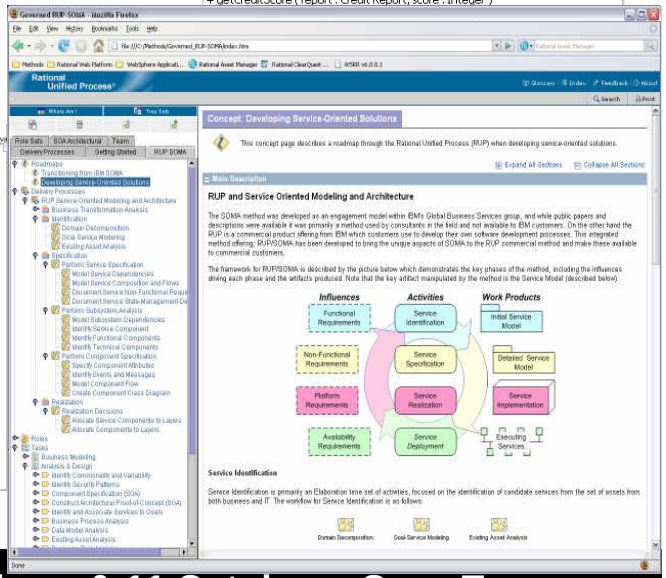




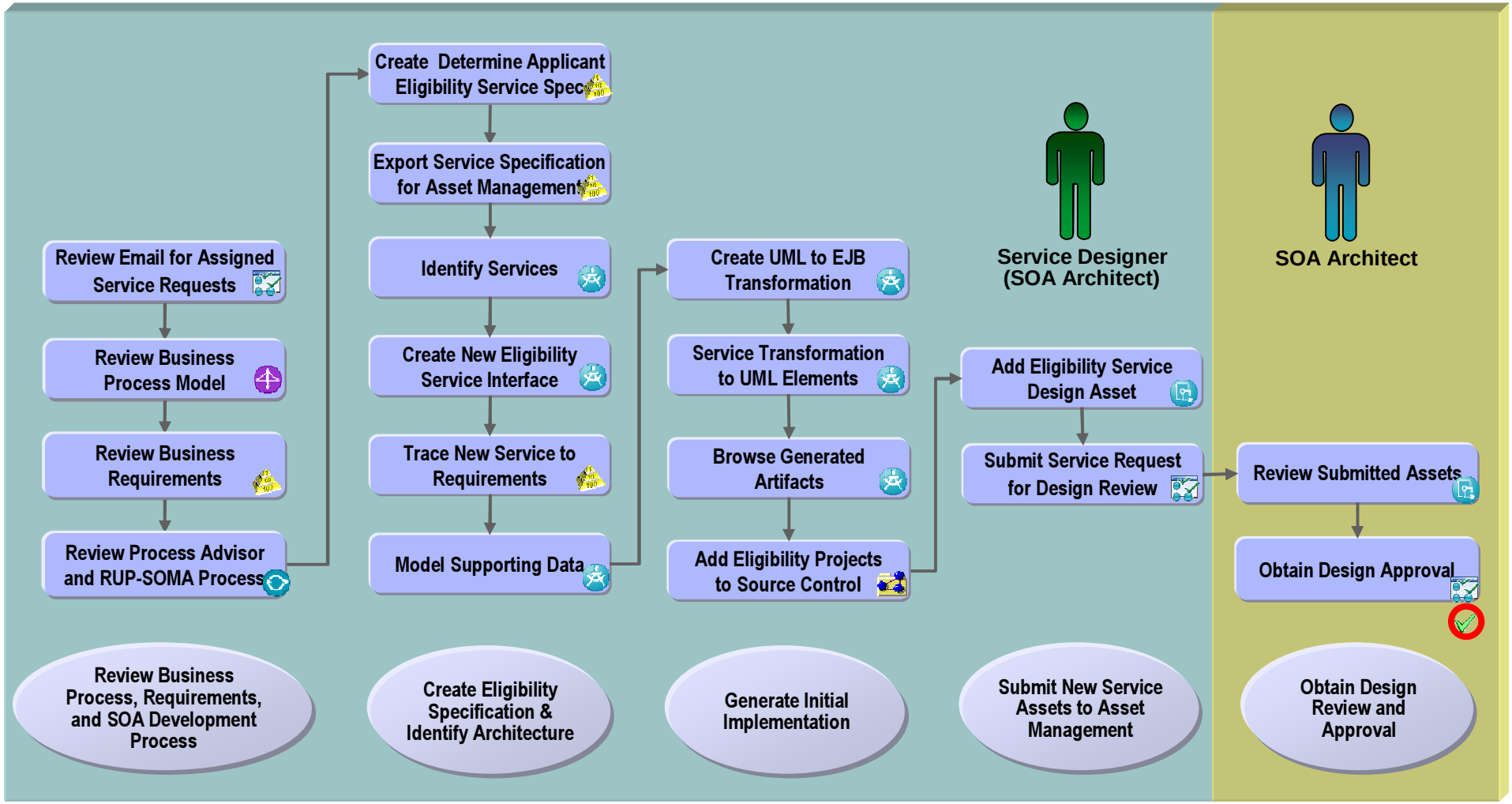


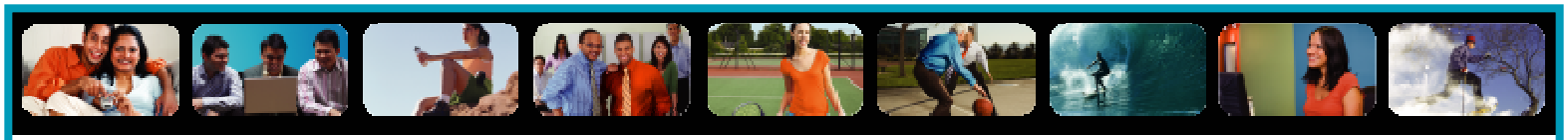






Service Modeling & Design

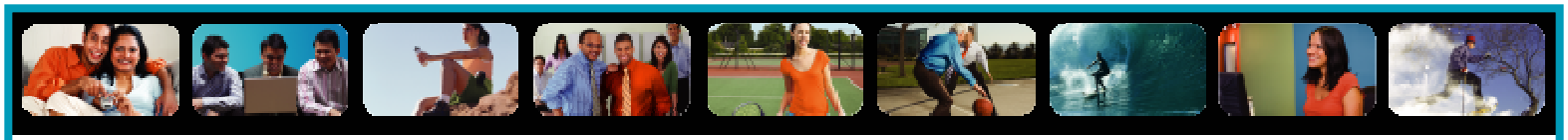




Demo

High-level steps

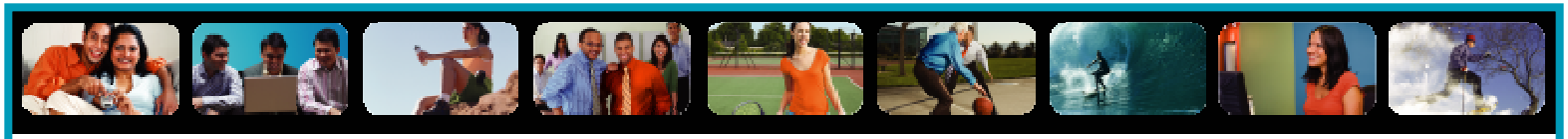
- Show the Business Modeling template on DeveloperWorks and its use in RequisitePro
- Open the business vision document and show addition of a new goal, and change and update of another – show version history, revision
- Create a new BUC, and specification document
- Create a new BUC process in WBM, and edit the html requirement text
- Open the BUC process in RSA, and create a Business Analysis Model
- Transform the model from UML2 to EJB



Questions

More Information

- Business Modeling RequisitePro project template
  - ✓http://www-128.ibm.com/developerworks/rational/downloads/07/reqpro_proj_templates/
- Business Integration
  - ✓http://www.ibm.com/software/info/topic/perform/busintegration.html
- Information on IBM WebSphere Software
  - ✓www.ibm.com/software/websphere
- Information on IBM Rational Software
  - ✓www.ibm.com/software/rational/
- Building SOA Solution using the Rational SDP Redbook
  - ✓http://www.redbooks.ibm.com/abstracts/sg247356.html



Thank You

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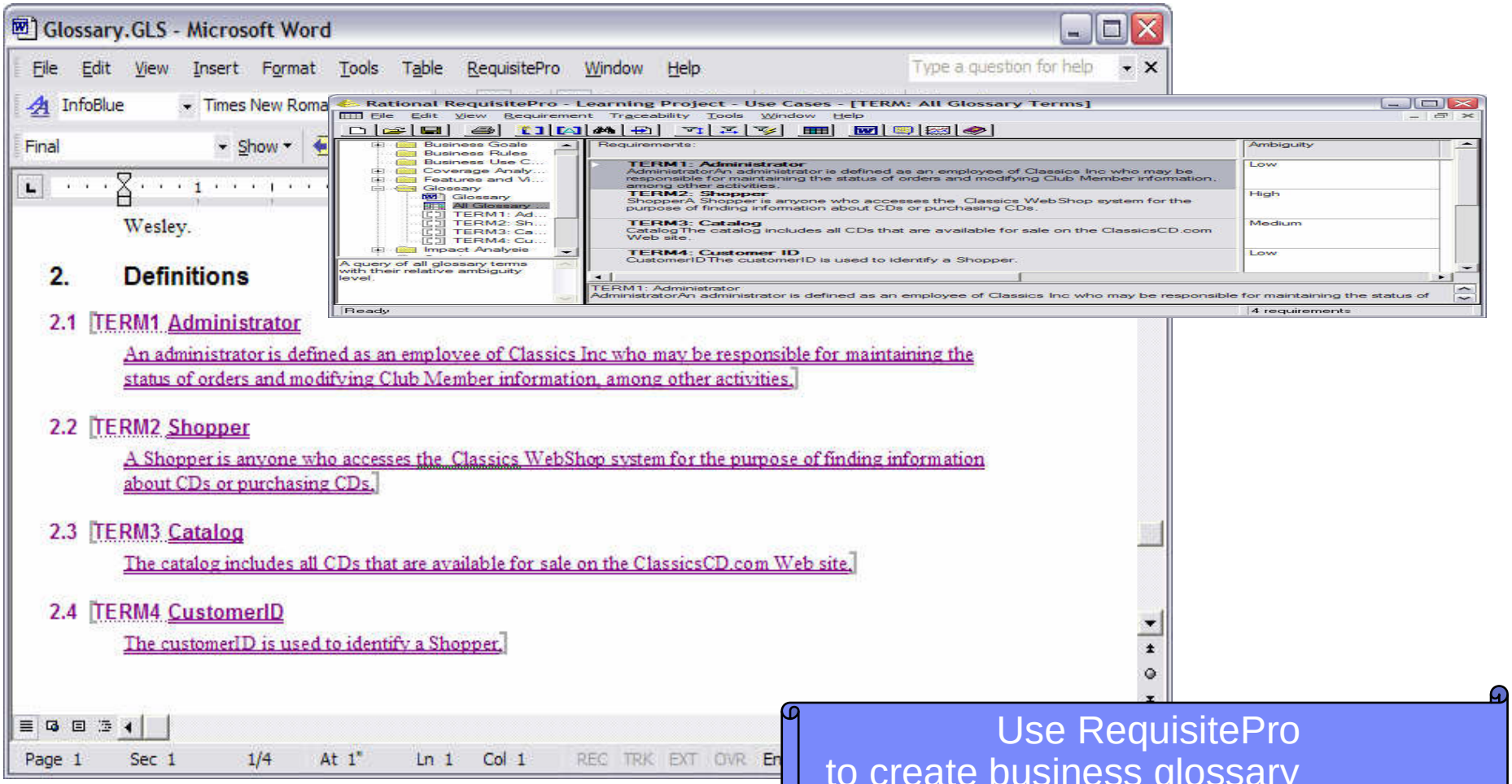
Artifact: Common business glossary

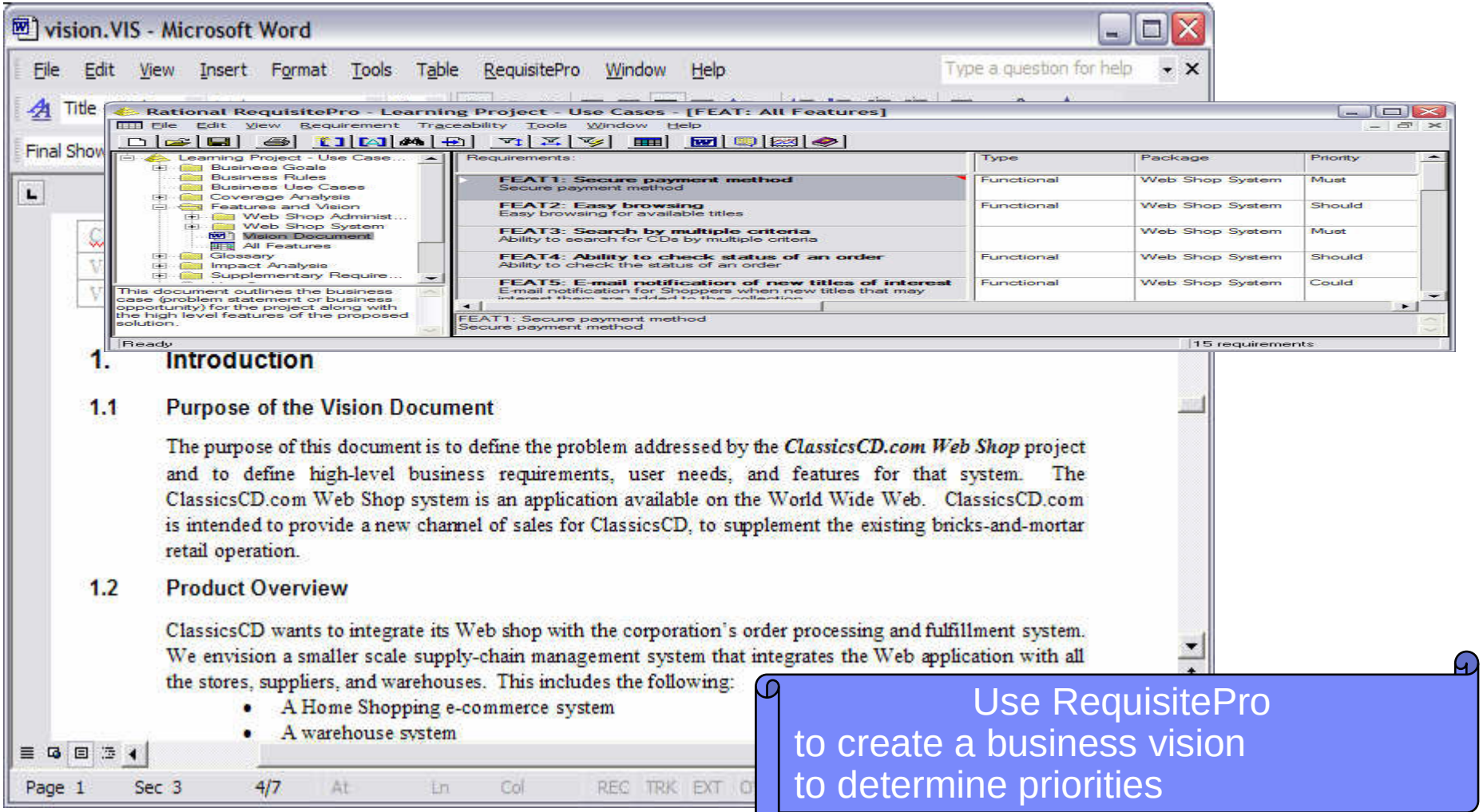
RequisitePro View



Use RequisitePro
to create business glossary

Artifact: Business Vision

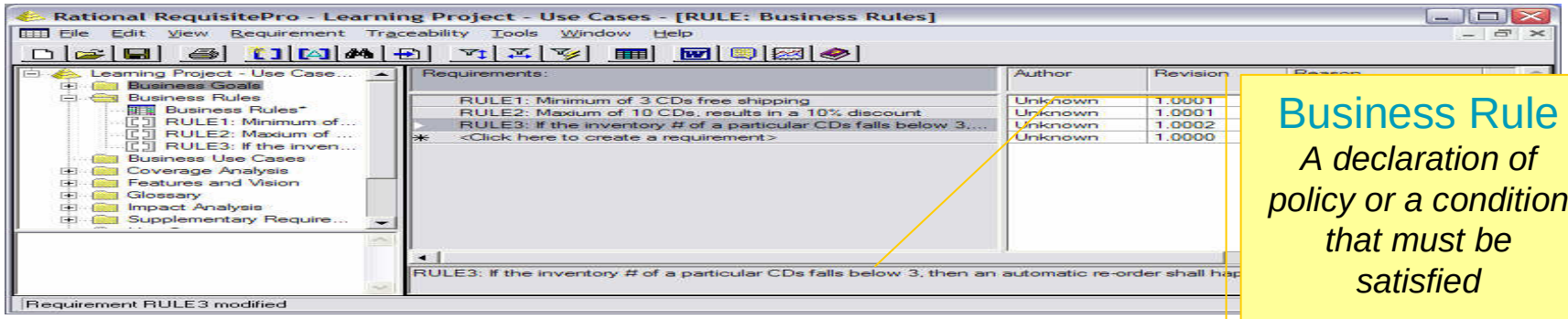
RequisitePro View



Use RequisitePro
to create a business vision
to determine priorities

Artifact: Business Rules

RequisitePro View



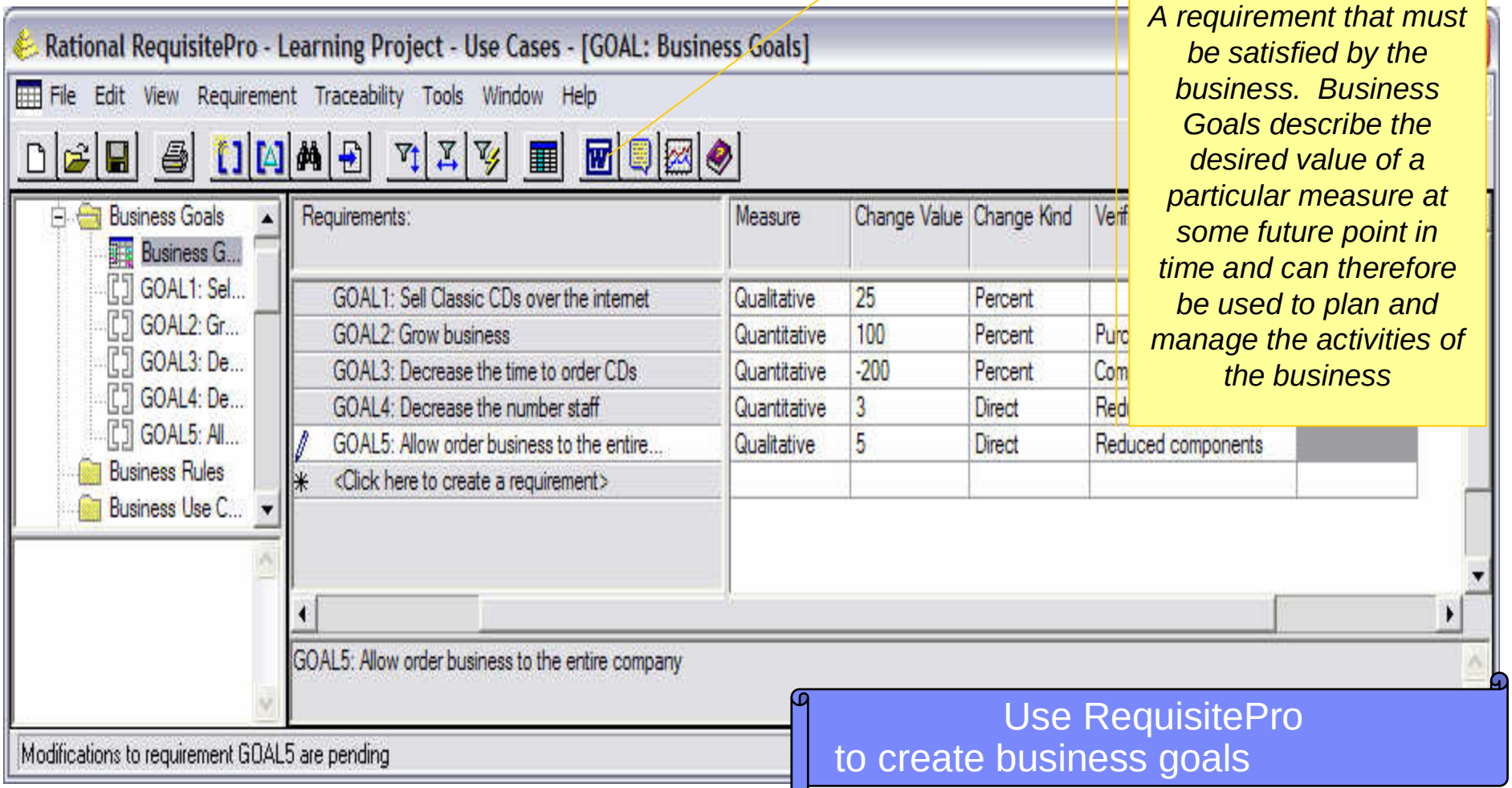
Business Rule

A declaration of policy or a condition that must be satisfied

Use RequisitePro to create business rules

Artifact: Business Goals

RequisitePro View



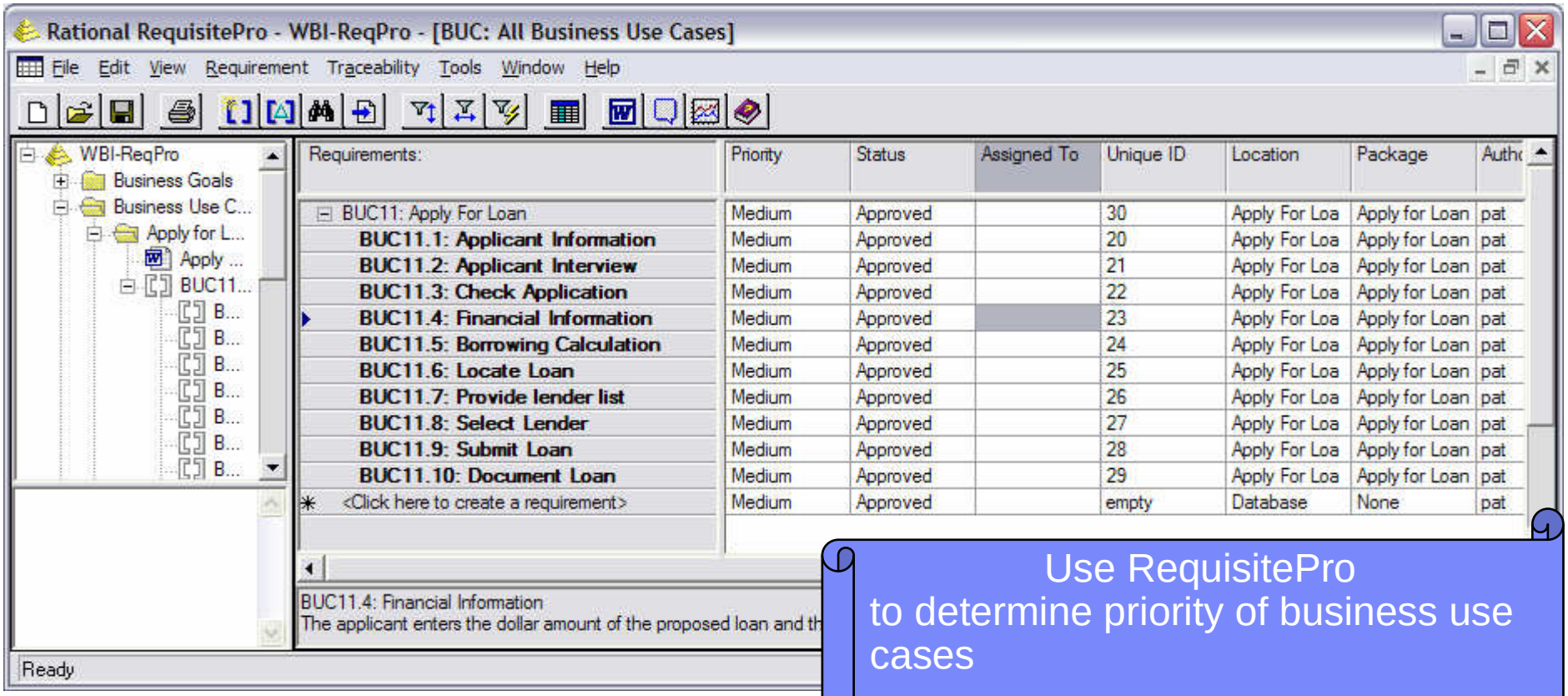
Business Goal

A requirement that must be satisfied by the business. Business Goals describe the desired value of a particular measure at some future point in time and can therefore be used to plan and manage the activities of the business

Use RequisitePro to create business goals

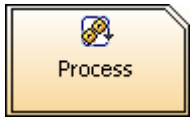
Artifact: Business Use Cases (outline)

RequisitePro view



Use RequisitePro
to determine priority of business use cases

Artifact: Business Use Cases (flows)



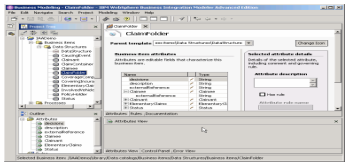
WB Modeler view

Role

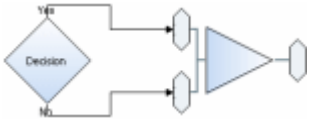
Start/Stop

Task invocation

Process



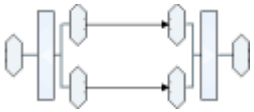
Business Item(s)



Decision/Merge

Connection

Loop



Fork/Join

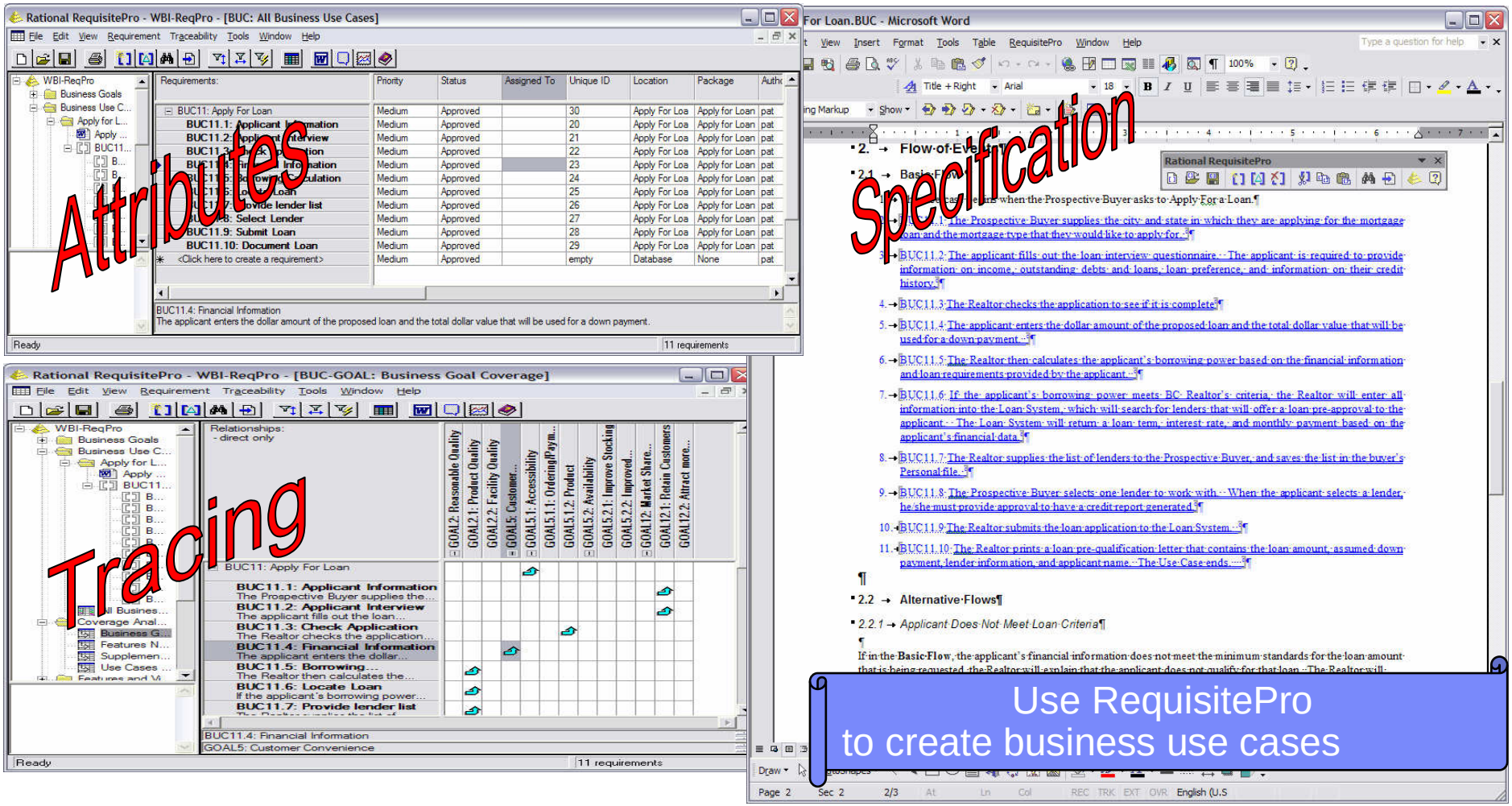
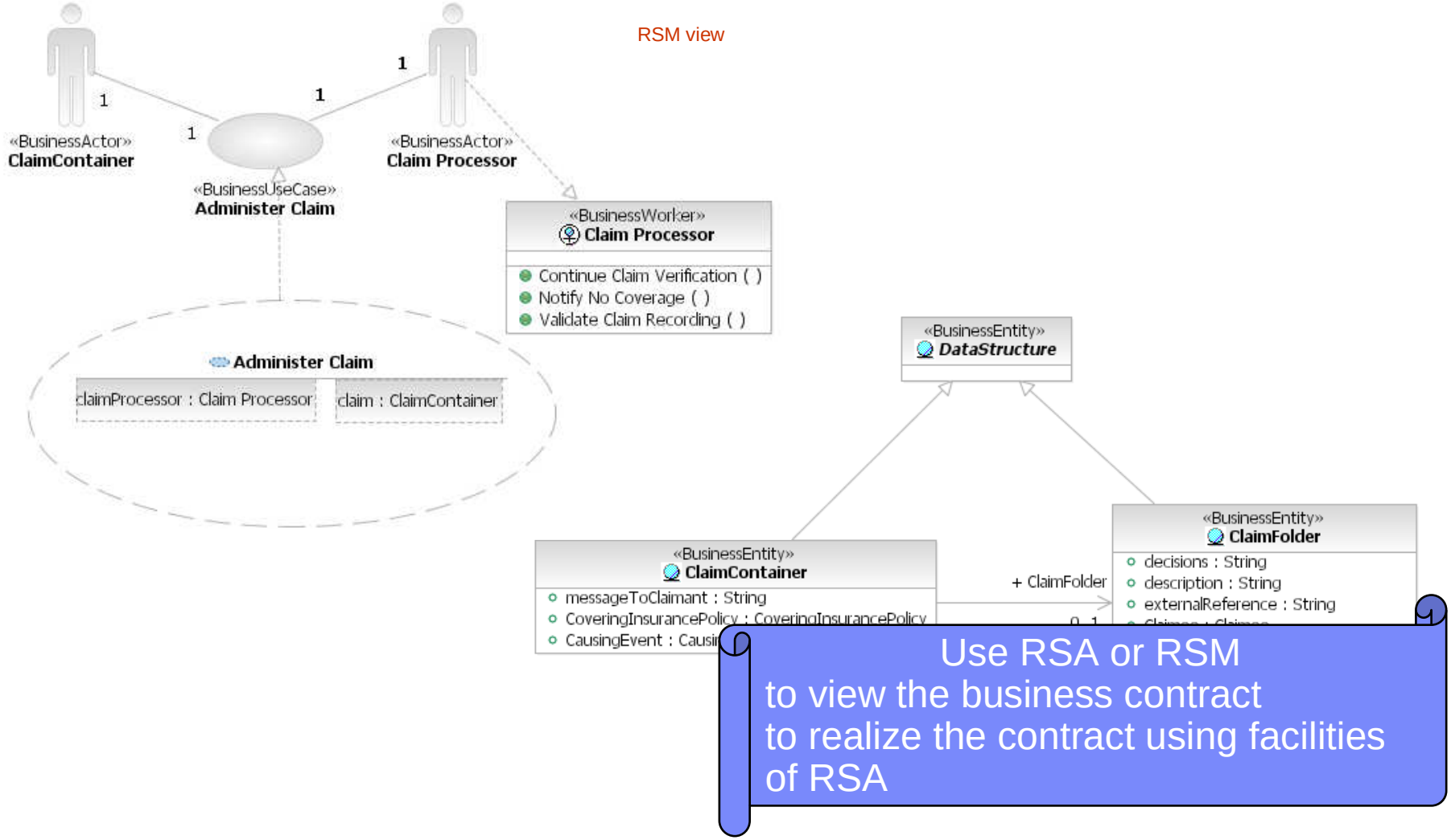
Document the process with information kept in the repository about the tasks, roles, assets, and costs

Use WB Modeler
to discover and capture key business process
to determine opportunities for software automation

Artifact: Business Use Case (detailed)

RequisitePro View

This maybe redundant, depending upon the WBM model completeness of, assigning role resources responsible for performing tasks



Artifacts: Business Analysis Model