

IBM® Rational RequisitePro®

Highlights

- **Combines the familiarity and ease of Microsoft Word documents with powerful database capabilities for more effective requirements management**
- **Helps you understand the impact of change so you can better manage it**
- **Integrates requirements across tools and teams to keep every-one informed of the most current requirements information**

Successful Requirements Management

Requirements management is a key process area for improving your project success. The better you communicate and manage your requirements, the better chance your projects have for delivering the right solution on time and on budget. At IBM Software Group, we understand that success starts with requirements management. And more effective requirements management starts with IBM® Rational RequisitePro®. Regardless of what requirements management tools or processes you currently employ, consider that IBM Software Group has spent twenty years working with thousands of organizations like yours to solve their software challenges and optimize their processes. Rational RequisitePro is a powerful, yet easy to use tool that promotes better

communication, enhances team collaboration, reduces your project risk and deeply integrates with other leading software development lifecycle tools.

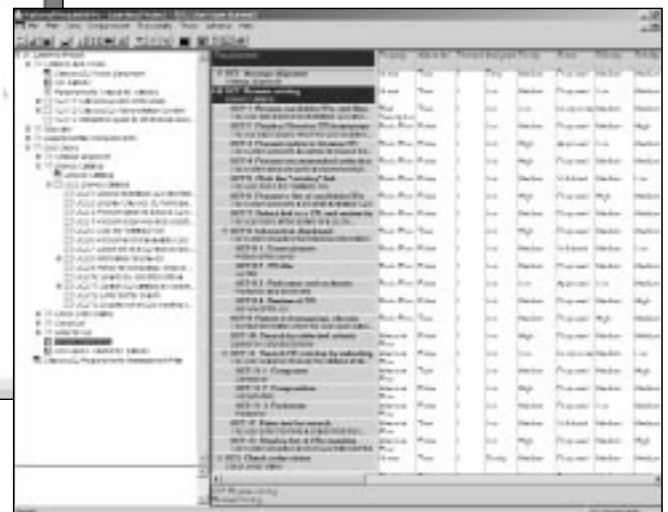
Power of a Database, Freedom of Word

In any effective requirements management process, recording the requirements that have been discovered during elicitation is a key step. This ensures accurate communication and management of the requirements as they evolve. Documents are a natural format for recording requirements and provide context, or supplementary requirement information.

Requirement documents are a familiar capture and communication mechanism, providing context and order. Dynamically linking requirements in documents to a database provides another powerful dimension for organizing and tracking the information.



The powerful interface allows you to organize requirement information in packages (folders) using a structure that best suits your needs, providing quick access to requirements information.



Rational RequisitePro leverages the widely used and familiar Microsoft Word tool to ease requirement capture. Documents, though useful for requirement capture, are not an optimal environment to prioritize and organize information — activities that are best performed using a database. By linking requirements documents to a database, Rational RequisitePro marries the best of both worlds.

This unique architecture leverages the power of a database and the freedom of Word for more effective requirements management. Documents in Rational RequisitePro are not simply input to or output from a requirements database. They

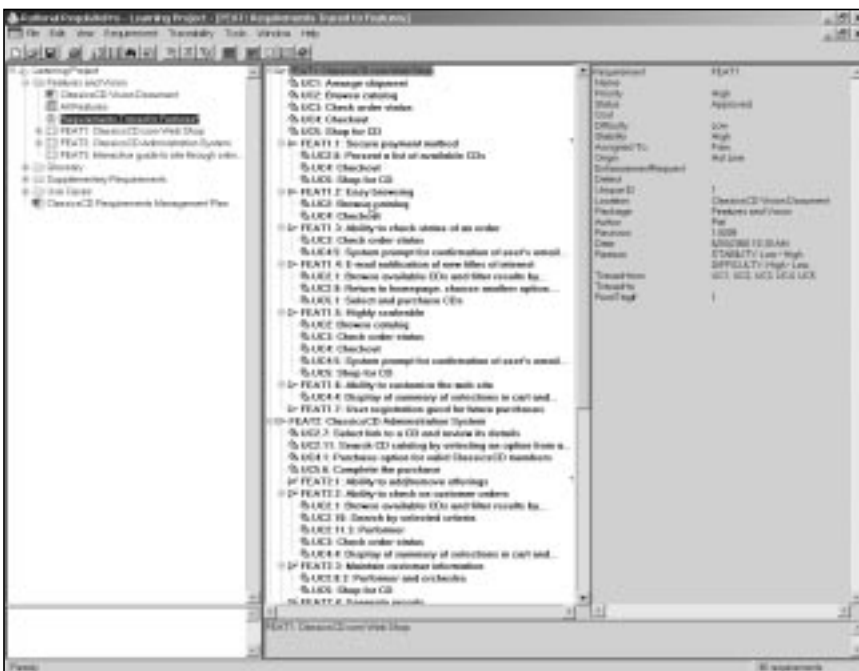
contain the live requirements allowing you to remain in a familiar Microsoft Word environment to modify requirements. The requirements in Word documents are dynamically linked to supplementary requirement information stored in a database. The database and documents are connected such that a simple double-click on the requirement will launch Microsoft Word and take you directly to that requirement in the context of how you wrote it in the document.

Rational RequisitePro supports a choice of non-proprietary, industry-standard enterprise databases (Oracle, Microsoft SQL Server, and Microsoft Access) with which you can easily organize requirement

information in packages (folders) using a structure that best suits your needs. From views into the database you can prioritize, link requirements and track changes.

Assigning attributes such as priority, difficulty, and status helps you manage your requirements in a way that is impossible using documents alone. Rational RequisitePro provides standard attributes and attribute values out of the box while also being easily customizable to support your project's processes and terminology.

With the combined power of a database and freedom of Word, Rational RequisitePro supplements your use of Microsoft Word by providing a means to organize, sort, filter and track requirements contained within your Word documents — delivering the most robust and easy-to-use requirements management solution available.



IBM Rational RequisitePro comes with a Web interface, making requirements accessible to all team members, especially in remote locations or multi-platform environments. Access, query, modify, create requirements and requirements documents, and manage traceability through the RequisiteWeb interface.

Understand the Impact of Change

Change is inevitable. But change is not the enemy — it indicates responsiveness to stakeholder needs. Unmanaged change, on the other hand, sends many projects spiraling off course. Rational RequisitePro helps you understand the impact of change as it occurs so you can better manage its effect on the project.

Rational RequisitePro provides functionality to easily establish and analyze the impact of change. These features allow you to link related requirements, so that as change occurs to one requirement you can easily see its impact on other related requirements. Having real-time visibility of change lets you pinpoint its effect across the project and assess coverage for verification and validation. With the ability to perform impact analysis, you can make quick, informed decisions for scope management or resource reallocation. And as requirements evolve, each modification made is captured,

Understanding traceability is easy with the Tree View. Requirement relationships are shown in a familiar expandable and collapsible way, while details for the highlighted requirement are shown at right.

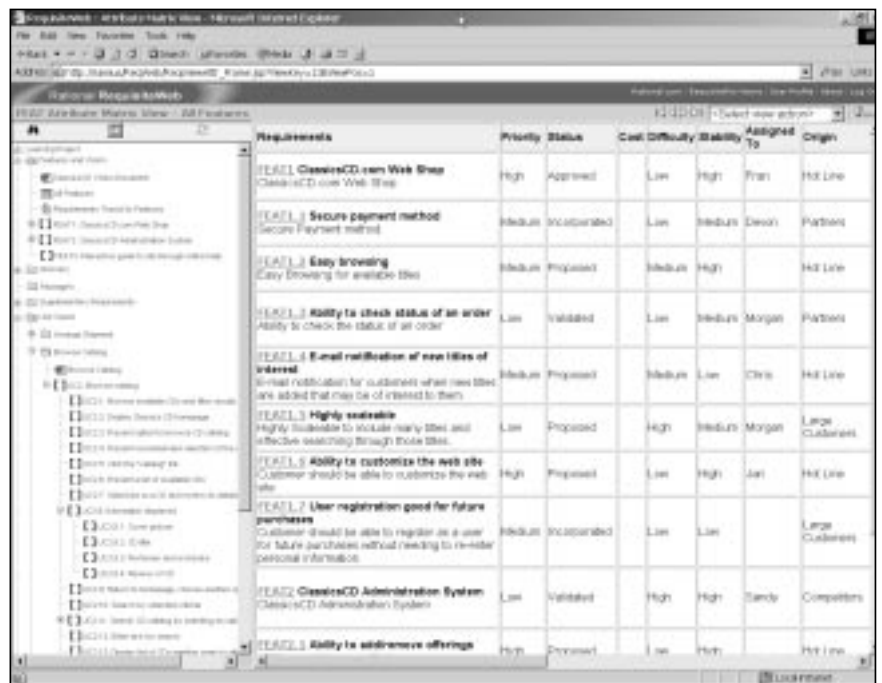
tracked and fully documented in Rational RequisitePro. Requirement audit trails document the who, what, why and when a requirement modification is made, helping you to analyze its impact across the project. By understanding the impact of change, you are much better equipped to control changes that affect your project.

Integrate Requirements Across Tools and Teams

The better informed each project team member is of the requirements, whether located remotely or locally, the more accurately they can deliver a solution that satisfies project or

business goals. Integrating requirements with other lifecycle artifacts and processes ensures clear communication and saves time-consuming rework.

Through RequisiteWeb, the Web interface for IBM Rational RequisitePro, remote team members can create, view and modify requirements and requirements documents. Requirements traceability can also be managed in RequisiteWeb using a traceability matrix or a traceability tree, which visually depict relationships between requirements.



Requirements	Priority	Status	Cost	Difficulty	Stability	Assigned To	Origin
REAR1.0 ClassesCD.com Web Shop ClassesCD.com Web Shop	High	Approved	Low	High	High	Tom	Net Line
REAR1.1 Secure payment method Secure Payment method	Medium	Incorporated	Low	Medium	Medium	Devon	Partner
REAR1.2 Easy browsing Easy Browsing for website files	Medium	Proposed	Medium	High			Net Line
REAR1.3 Ability to check status of an order Ability to check the status of an order	Low	Validated	Low	Medium	Medium	Morgan	Partner
REAR1.4 Email notification of new titles of interest E-mail notification for customers when new titles are added that may be of interest to them	Medium	Proposed	Medium	Low	High	Chris	Net Line
REAR1.5 Highly scalable Highly Scalable to include many sites and effective searching through those sites	Low	Proposed	High	Medium	Medium	Morgan	Large Customers
REAR1.6 Ability to customize the web site Customer should be able to customize the web site	High	Proposed	Low	High	High	Jan	Net Line
REAR1.7 User registration good for future purchases Customer should be able to register as a user for future purchases without needing to re-enter personal information	Medium	Incorporated	Low	Low			Large Customers
REAR2.0 ClassesCD Administration System ClassesCD Administration System	Low	Validated	High	High	High	Sam	Computers
REAR2.1 Ability to address new offerings	High	Proposed	Low	High			Net Line

And through powerful integrations with other Rational software development tools from IBM Software Group, Rational RequisitePro helps you integrate requirements across tools and teams optimizing team collaboration around the requirements.

Requirements Access for Developers

To ensure optimal design and minimize costly rework, developers need access to requirements from where they sit. Rational RequisitePro provides direct requirements access from both the IBM Rational Rose Technical Developer and IBM Rational Rose XDE™ product families.

Through these integrations, Rational RequisitePro connects requirements with use-case models providing developers instantaneous access to the use case specifications from use case diagrams, as well as visibility into any requirements information. This functionality helps ensure developers implement

the functionality that truly reflects customer needs, as they evolve.

In addition, the IBM Rational RequisitePro—Rational Rose XDE integration enables you to connect design elements to requirements in Rational RequisitePro. By linking design elements with requirements you can easily review and assess the impact of requirements changes on design elements and keep developers informed of changes that may impact their work.

Requirements Access for Project Managers

As customers and other stakeholders begin to use your product, requests for change inevitably result. The integration between Rational RequisitePro and IBM Rational ClearQuest® simplifies the incorporation of stakeholder feedback into the next iteration of your project by associating change requests to the requirements that fulfill them. The information

housed in one tool is readily available from the other, making it easy to take into account the needs of your users when prioritizing next iteration requirements.

Requirements Access for Testers

Without access to requirements, how can testers be assured they are verifying the right thing?

The integration with IBM Rational TestManager within the IBM Rational Team Unifying Platform® ensures that requirements serve as direct input to test case creation, so that testers and QA engineers can validate the system with confidence. And as changes to requirements occur, testers are able to visually see which test cases are impacted by the change.

Software Engineering Best-Practices of the IBM Rational Unified Process

IBM Rational RequisitePro's support for the IBM Rational Unified Process® — or RUP® — ensures that your requirements management process and automation follows industry-proven best practices.

And because Rational RequisitePro integrates with other leading Rational tools from IBM Software Group, we deliver them better and faster than anyone else. At every release of Rational RequisitePro, you are assured that the integrations work right out of the box, unlike integrations that involve multiple vendor solutions where release compatibility may result in time wasted maintaining integrations.

Unify the Team with IBM Rational Suite
As a team-based tool, Rational RequisitePro is part of Rational Team Unifying Platform and Rational Suite. Designed to unify cross-functional teams, optimize practitioner productivity, and simplify adoption, these integrated solutions provide your team with a shared platform for development success.

Accelerate Success with IBM Rational Services

Bring your projects in on time and under budget. Available where and when needed, IBM Rational Services improve self-sufficiency as they build a foundation for continuous software development improvement. The IBM Rational Developer Network™ helps you learn and use IBM Rational software development tools and methodologies through online access to training, articles, white papers, documentation, scripts, discussion forums, and more.

IBM Rational University courses span the software lifecycle. More than 60 courses are available over the Web, on-site, or at dozens of classrooms worldwide. Courses specific to Requirements Management include:

- *Requirements Management with Use Cases*
- *Fundamentals of IBM Rational RequisitePro*

Expert consulting and mentoring services provide accelerated knowledge transfer. Packaged services including Assessments, QuickStarts, and Deployment Services, offer proven pathways to efficient technology adoption. Technical support via telephone or email ensures fast resolution of issues.



SPECIFICATIONS

IBM Rational RequisitePro

- *Processor: 500 MHz or greater;
128 MB RAM recommended*
- *Disk Space: 200 MB*
- *Operating System: Microsoft
Windows NT 4.0, 2000 or XP*
- *Word Processor:
Microsoft Word 2000 or 2002*
- *Database: Microsoft SQL Server
7.0 or 2000; Oracle 8 or 9i r2
(creates Microsoft Access databases
by default)*

IBM Rational RequisiteWeb

- *Browser: Microsoft Internet Explorer
5.5; Netscape Navigator 4.x or 7*

Windows Server

- *Processor: 500 MHz or
greater; 128 MB RAM
minimum*
- *Disk Space: 40 MB*
- *Operating System: Microsoft
Windows NT Server 4.0;
Microsoft Windows 2000
Advanced Server; or
Microsoft Windows Server
2003*
- *Software: Microsoft Word
2000 or 2002*

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*Rational ClearQuest integrates with Crystal Reports Professional Edition for advanced reporting capabilities.

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