

IBM Rational DOORS

Requirements management
for complex and embedded
systems

Highlights

- Supports collaborative, intuitive and scalable management of requirement specifications
- Helps enable simpler creation of links and powerful traceability views across requirement specifications, designs and tests
- Provides automatic notification of changes that can impact related requirements, designs and tests
- Helps integrate requirements into the lifecycle as a core component of the IBM® Rational® solution for systems and software engineering and with third party tools, through support of Open Services Lifecycle Collaboration (OSLC)

Effective requirements management practices have a positive impact on the success of systems and product development.

IBM Rational DOORS® software is designed to capture, trace, analyze and manage changes to requirements and helps you comply with industry standards.

Intuitive, collaborative and scalable requirements management

Successful management of requirements starts by documenting them in a way that's easy to interpret and navigate. In Rational DOORS, the hierarchical organization of requirements—in a familiar, document-style list—shows each individual requirement in context, while a convenient navigation tree reveals the structure of the information set. A tabular view of the requirements helps you view and assign additional information to them with an unlimited number of

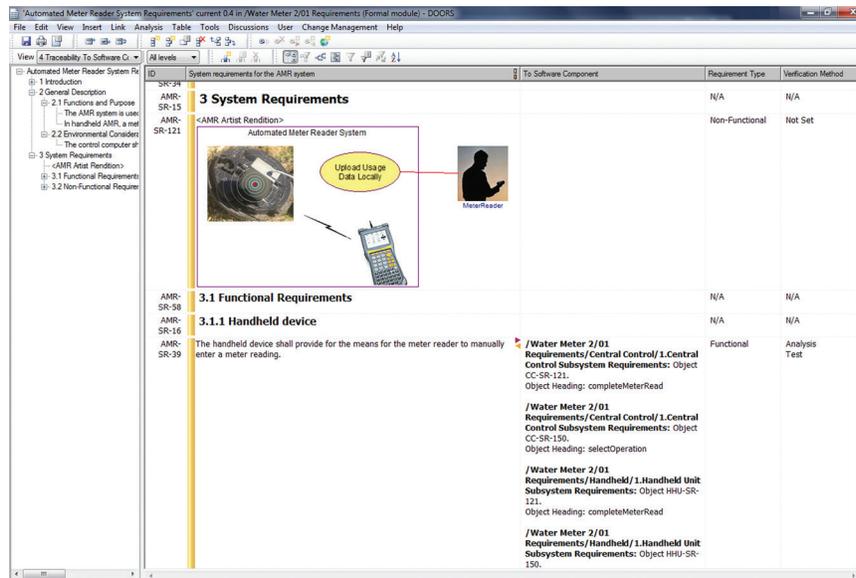
your own attributes. Rational DOORS is designed for managing small to large requirement documents, and multiple concurrent users can access the requirements database and work on requirements sets without conflicts.

Simpler and more powerful traceability

Requirements traceability is the key to demonstrating conformance and compliance and to supporting impact analysis of requirement changes. Creating traceability links in Rational DOORS is made easier by merely dragging and dropping between two requirements. Navigating links, as well, is made simpler: click the link indicator, choose the link you want to follow and you can view the linked artifact. By using a filter, you can more quickly identify requirements that don't have links, which might indicate unsatisfied requirements. In addition, you can configure views to help enable traceability across multiple requirement documents as well as to designs, tests and work items managed in other tools.

Adaptable change management and more extensive impact analysis

Requirements change; however, change must be managed because it can impact your projects, potentially resulting in additional demands on resources, time and budget. Rational DOORS is integrated with Rational solutions for change management to provide support for a change control process tailored to the needs of your organization. Requirement changes can impact related requirements, designs and tests. Rational DOORS provides automatic notification of such changes—by graphically indicating those links to changed objects that require investigation—thereby reducing the chances of potentially impacted artifacts being missed.



Requirements documented in IBM Rational DOORS.

Open integration to systems engineering and software engineering tools

Requirements drive design, development and testing, so a requirements management tool should be able to link requirements to other tools used during the systems and software engineering lifecycle. Rational DOORS has an extensive set of integrations, provided by IBM and third parties, with many other systems and software engineering tools. IBM's integration strategy is to support Open Services for Lifecycle Collaboration (OSLC) and Rational DOORS adopts this strategy by using OSLC to provide integration to design, quality management, portfolio management and change management tools. Rational DOORS is a core, integrated product in the Rational solution for systems and software engineering that provides tools and practices for systems engineering and embedded software development.

For more information

To learn more about IBM Rational DOORS please contact your IBM representative or IBM Business Partner, or visit: ibm.com/marketplace/rational-doors

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