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## Highlights

- Helps you collaborate on requirements
  - Helps you reuse requirements
  - Provides built-in task management
  - Interoperates with IBM Rational DOORS 9.x series
  - Provides shared platform and services with change and configuration management, quality management and design management applications
  - Integrates with third party development lifecycle tools through OSLC
  - Supports your commercial database
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# IBM Rational DOORS Next Generation

*An efficient requirements management tool for complex systems*

Managing requirements effectively is important to achieve success in software and systems engineering. IBM® Rational® DOORS® Next Generation software is designed to capture, trace, analyze and help better manage requirements and compliance.

## **Simpler, enhanced collaborative platform**

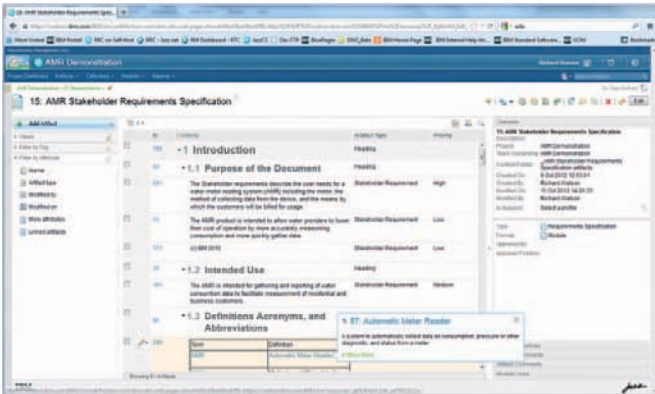
Built on IBM Jazz™ technology, IBM Rational DOORS Next Generation provides a collaborative environment for requirements management and helps support engineering practices in both large and small scale projects. Rational DOORS Next Generation enables global teams and their suppliers to collaborate together while working in a larger engineering solution. Rational DOORS Next Generation is designed to build on and extend the requirements management capabilities that were developed through the Rational solution for Collaborative Lifecycle Management. This helps support the capabilities and processes required for complex and embedded systems development.

Rational DOORS Next Generation is designed to manage small to large requirement documents. Users can access the requirements database at the same time and work on requirements without conflicts. The purpose of the software is to provide a solution for defining and managing the requirements for complex, embedded systems such as those used in aerospace, defense, medical and consumer electronics.



## Rich environment for requirements development

The Rational DOORS Next Generation software provides advanced web based support for rich text formatting, diagrams and graphics. This enables you to effectively capture and manage requirements. You can customize dashboards (Refer figure 1) to show project statuses and analysis views.



IBM Rational DOORS Next Generation

Rational DOORS Next Generation features a true type system and helps enable definition of attribute types (a base type such as Boolean), attributes and requirement types (such as Use Case or Non Functional where the user associates a number of attributes with the type) that can be reused through module boundaries. In addition, Rational DOORS Next Generation modules can contain requirements of diverse types.

Link types are supported and the flexible query mechanisms can help to filter many aspects of these new types. Rational DOORS Next Generation also enables requirements to be structured into hierarchical specifications using modules. The important mechanisms provided include document import (Microsoft Word, OpenDocument Text and Rich Text), CSV import and ReqIF import. A provision for project and module templates is also integrated in the software.

## More efficient planning and lifecycle capabilities

Rational DOORS Next Generation is designed to provide automatic notification of suspect requirement changes that affect related requirements, designs and tests. This can be achieved by graphically indicating those links to changed objects that require investigation. With notification and links, the chances that an effected artifact will be overlooked are reduced. Built-in task management, planning and progress tracking are included in the Rational DOORS Next Generation product and these capabilities are shared with other Jazz products in a single environment. Rational DOORS Next Generation supports Object Management Group (OMG) Standard Requirements Interchange Format (ReqIF)—an open non-proprietary exchange format that enables the exchange of requirements between various software vendors.

## Integration with systems 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 Next Generation has a robust set of integrations with many other systems and software engineering tools, provided by IBM and third parties, such as JIRA.

Rational DOORS Next Generation uses Open Services for Lifecycle Collaboration (OSLC) that enables the provision of integration with design, quality management, portfolio management and change management tools. Rational DOORS Next Generation is a core, integrated product on the IBM Jazz collaborative lifecycle management platform, together with Rational Team Concert™, Rational Quality Manager and Rational Rhapsody® Design Manager.

## Interoperability with IBM Rational DOORS 9.x

An existing DOORS user can choose from two interoperability options for DOORS Next Generation. An offline data exchange based option is provided for importing and exporting ReqIF requirements data between Rational DOORS 9.x and Rational DOORS Next Generation. This helps users in other networks when they need to exchange data from Rational DOORS 9.x. Another option helps facilitate cross application linking and query for scenarios where Rational DOORS 9.x and Rational DOORS Next Generation are available in the same network. This feature supports linking data between Rational DOORS 9.x and Rational DOORS Next Generation and includes a feature for hovering and comparing traceability by column. These interoperability options are designed to enable existing DOORS customers to effectively approach migration.

Managing requirements effectively is important for achieving success in software and systems engineering. IBM Rational DOORS Next Generation software is designed to capture, trace, analyze and help better manage requirements and compliance.

## Why IBM?

After many years of working with clients and helping them address development needs, IBM understands the challenges of requirements management. This experience has helped us develop IBM Rational DOORS Next Generation, a requirements management solution designed to define and manage the requirements for complex, embedded systems. Rational DOORS Next Generation is built on the technologies of Rational Requirements Composer and Rational DOORS 9.

## For more information

To learn more about the IBM Rational DOORS Next Generation, please contact your IBM representative or IBM Business Partner, or visit the following website:

[ibm.com/software/products/us/en/ratidoorg](http://ibm.com/software/products/us/en/ratidoorg)

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