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## Highlights

- Facilitate delivery of the high-quality systems and software your customers need
  - Proactive change notification helps ensure that changes are not missed and that their impact can be thoroughly analyzed
  - Help improve collaboration by providing greater visibility of the project goals
  - Integration with popular design, development and test environments helps to provide comprehensive life-cycle traceability
  - Support contract conformance and regulatory compliance
  - Respond to changing customer needs more effectively and with more control
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# IBM Rational DOORS

Are you looking for effective ways to control your requirements, improve staff efficiency and reduce project costs and delivery time?

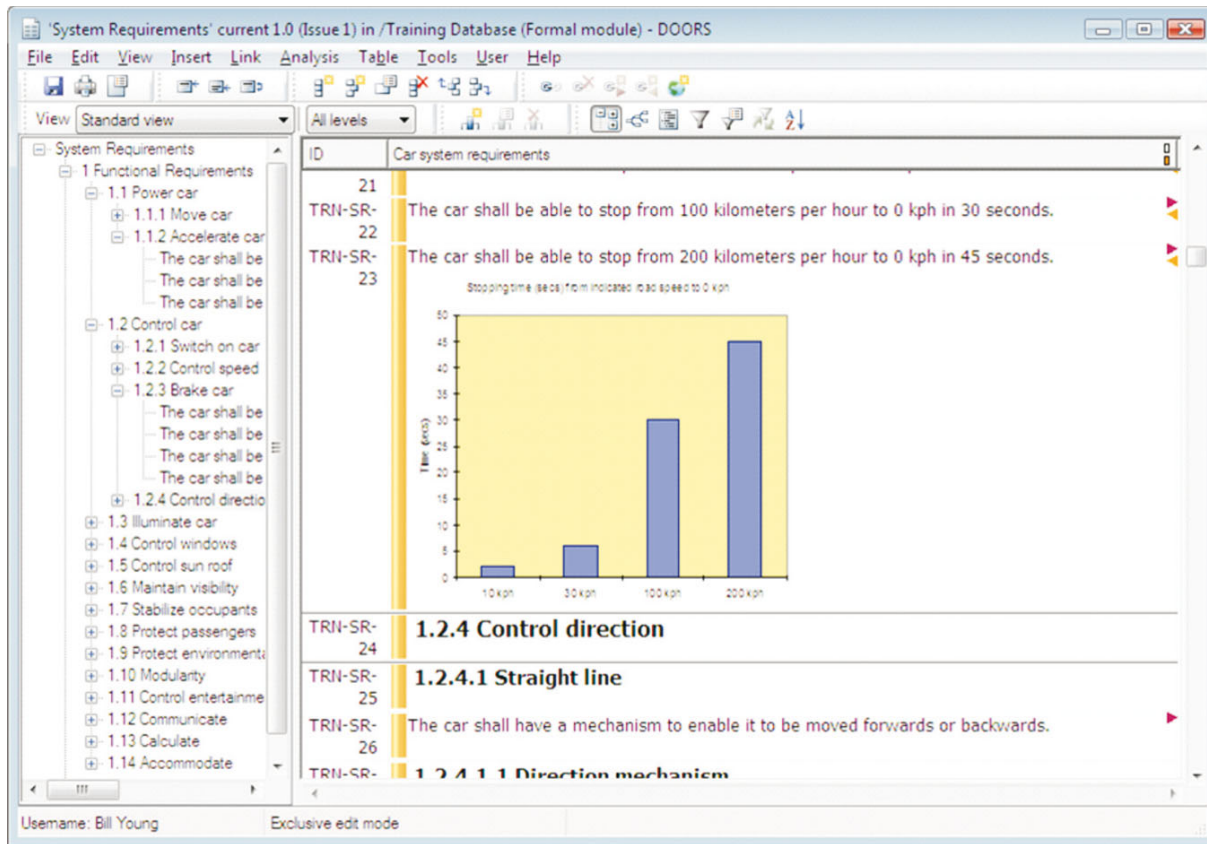
IBM® Rational® DOORS® software can help you achieve your requirements management goals by enabling your teams to focus on building what your business and customers really need, not waste time and effort on unnecessary/manual tasks and rework.

Rational DOORS software allows you to capture, trace, analyze and manage changes to information and demonstrate compliance to regulations and standards. Rational DOORS software has proven itself on some of the most challenging projects and helped organizations standardize and manage their requirements process more efficiently.

## Intuitive, scalable requirements management

Successful management of requirements starts by documenting them in a way that's easy to interpret and navigate. The hierarchical organization of requirements in the Rational DOORS interface helps make it easier to locate information within the database. An easily accessible document-style list of requirements 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 against them within an unlimited number of your own attributes.





Requirements documented in IBM Rational DOORS

## Comprehensive traceability

Requirements traceability is key to demonstrating conformance and compliance, and facilitating impact analysis of requirement changes. Traceability links within Rational DOORS software can be easily traversed—simply click on the link indicator displayed beside a requirement, select the link you want to follow, and the Rational DOORS application can traverse the link to the related requirement.

Creating links can be as easy as dragging and dropping between two requirements. A new link can be created from the source to the target requirement with outgoing and incoming link indicators displayed beside the relevant requirements.

With Rational DOORS software, you can create filters to analyze requirements and see that traceability is complete. For example, using a filter, you can help quickly identify user requirements that are not linked to system requirements—these represent customer needs that are not satisfied by the technical specification. The Rational DOORS solution also supports external links: Requirements can be associated with information outside of the Rational DOORS environment. For instance, dragging a link from a requirement in the Rational DOORS software into a word processing document can create a functional link to the requirement.

## Change management and impact analysis

Requirements change. But change should be controlled because it can impact the project, resulting in additional demands on resources, time and budget. Rational DOORS is integrated with Rational solutions for collaboration and change management to provide support for a change control process tailored to the needs of your organization.

If you require a simpler, predefined requirements change control process, Rational DOORS software also provides out-of-the-box change management capability. Requirements changes may impact linked requirements, designs and tests. The Rational DOORS solution can provide automatic proactive notification of such changes by graphically indicating that links to changed objects require investigation, supporting thorough impact analysis.

## Collaborative requirements management environment

Rational DOORS software allows stakeholders from many disciplines to contribute to the requirements process. Stakeholders are involved with requirements capture, analysis, review and impact analysis for project changes. Requirements management is a discipline that lives throughout a project lifetime and DOORS software offers a key capability to allow stakeholders to manage an audit trail from development back to the requirements that are being met.

The DOORS platform also has a web interface (IBM Rational DOORS Web Access) for users who need instant access to requirements information without the need to perform local installations of software. For example, testers can quickly review and edit requirement attributes from the web to indicate that particular requirements have been verified.

The Rational DOORS application also supports the Requirements Interchange Format (RIF) enabling suppliers and development partners to be directly involved in the development process by contributing entire requirements documents, specific sections or attributes which are traced back to central requirements. RIF support helps you integrate suppliers into the development process more efficiently and reduce the risk of losing critical information.

IBM Rational DOORS Analyst Add On software provides an easy-to-learn, UML-based requirements modeling capability inside the DOORS solution. Creating models within the context of requirements helps analysts clarify requirements better and allows system architects and software developers to save time by reusing the same models later in the development process.

Rational DOORS software provides support for the Open Services Lifecycle Collaboration (OSLC) specifications for requirements management and change management services. This provides an open way for both IBM and third party tools to interface with Rational DOORS, enabling requirements management to be integrated throughout the systems and software development life cycle.

## How it works

IBM Rational DOORS software is designed to be a scalable, collaborative, client-server database application. Through purpose-built, proprietary database technology, Rational DOORS software can help you manage millions of objects (requirements and other related project artifacts) and the traceability links between them. The application can also be extended to provide additional project- or company-specific capabilities through the IBM Rational DOORS eXtension Language (DXL).

The Rational DOORS software offers a user-friendly, document-oriented look and feel. It provides a collaborative requirements management environment that extends requirements communication by providing web browser access to the requirements database and RIF support, enabling all stakeholders to be a part of the development process. The Rational DOORS software helps track conformance to customer requirements, and helps address compliance with industry standards and regulations. It provides extended change management capabilities and life-cycle traceability through integration with Rational collaboration and change management software. It provides support for the OSLC specifications providing an open interface for IBM and third party tools, enabling requirements management to be integrated throughout the systems and software development life cycle. The application can also be extended to provide additional project- or company-specific capabilities.

### For more information

To learn more about IBM Rational software, contact your IBM representative or IBM Business Partner, or visit:

[ibm.com/software/awdtools/doors/](http://ibm.com/software/awdtools/doors/)

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August 2010  
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