



MDConnect for DOORS

Accessing DOORS Requirements in Eclipse

Key Features

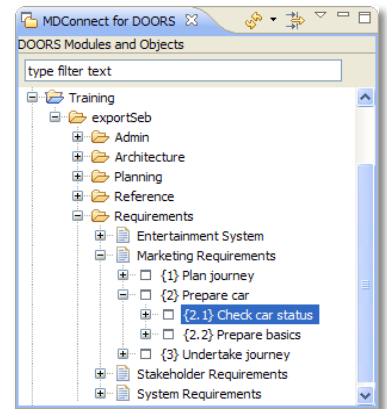
Access DOORS Requirements in Eclipse

- Explore any DOORS Database
- View, Filter, Search Requirements



Designed to help IBM® Rational® DOORS® users, MDConnect™ for DOORS provides full access to DOORS objects in the Eclipse environment. Users can easily view, filter and search DOORS items while working with other Eclipse-based applications. Capabilities also include filtering by baselines and views.

MDConnect for DOORS is available for free from SODIUS's website, and is complemented by commercial extensions allowing DOORS to link with other systems.



RSA Extension

Connecting DOORS and Rational Software Architect

In conjunction with MDConnect for DOORS, the RSA Extension offers a smart integration of DOORS and Rational Software Architect allowing users to link modeling artifacts to DOORS requirements.

For developers working with Rational Software Architect (RSA) as well as Rational Software Modeler (RSM) and tracking their project requirements in DOORS, synchronizing data and maintaining traceability is often difficult and time consuming. MDConnect offers a smart solution to edit, maintain and report traceability between requirements and model elements within a unique user interface.

RSA Extension Key Features

Link UML Elements to DOORS Requirements

- Drag/Drop from DOORS
- Drag/Drop from Eclipse Project Explorer
- Drag/Drop from Eclipse DOORS Explorer

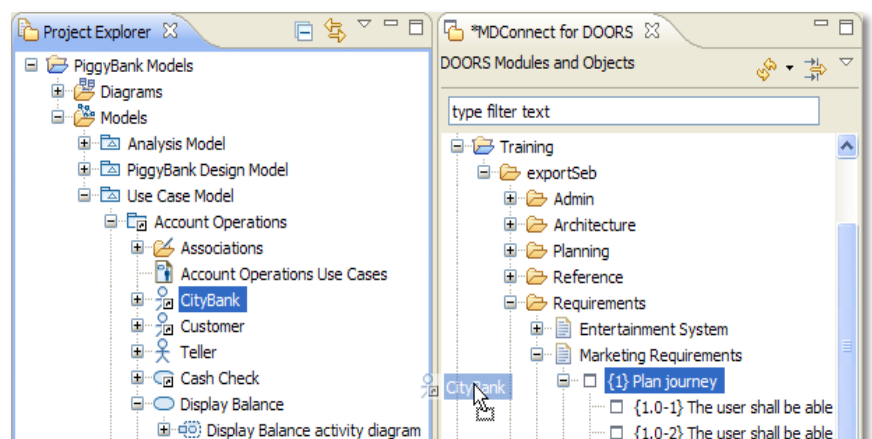
Maintain and Report

- Update DOORS Requirements
- View Uncovered Requirements
- View and Clear Suspect Links
- BIRT Reporting for DOORS Traceability
- Integration with Rational Software Architect Traceability & Impact Analysis Tools

Building Links Made Easy

Building relations between requirements and models can be done from either DOORS or Rational Software Architect so users can work from either environment according to their constraints.

By simply using drag-and-drop, users can visually build the relations and enrich their project visibility.



Compatible Software

MDConnect for DOORS

- IBM Rational DOORS 8.1 and higher
- RSA Extension

- IBM Rational Software Modeler and IBM Rational Software Architect 7.5.4 and higher

System Requirements

- Microsoft Windows
- Eclipse 3.4 and higher

Synchronizing with DOORS

The mechanisms involved to build and manage the links between requirements and models elements rely on the creation of a formal module in the DOORS repository. Users can easily create this module with a drag-and-drop from the relevant UML model package to the appropriate DOORS folder.

All modifications (a link added, a modified Object Heading, etc.) are made locally meaning changed data is not written immediately to DOORS but stored within MDConnect. At some point in time, users must synchronize data with DOORS to commit local changes, and retrieve modifications made by other users in the database to resolve potential conflicts.

Reporting Traceability

MDConnect offers to Rational Software Architect users a variety of reporting tools to manage and maintain their project data.

The RSA Extension comes with a predefined **BIRT report** that displays DOORS traceability information.

MDConnect offers built-in dynamic reports:

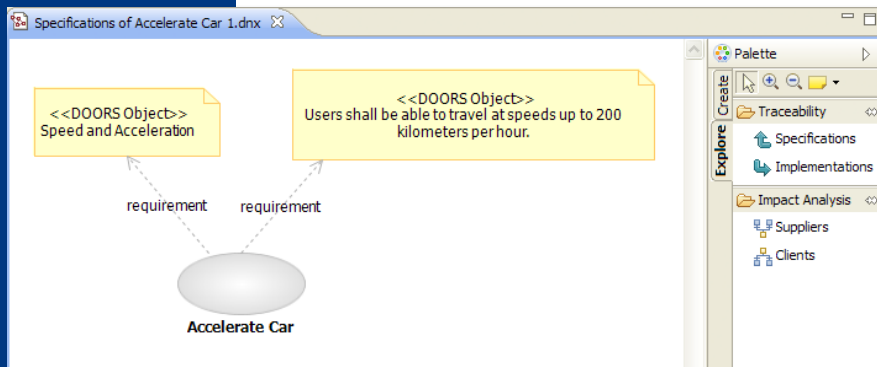
Name	Type	Path
Accelerate Car	UseCase	UPIA Enterprise::UPIA Enterprise Architecture Description::Business Architecture::Organizational Resources::Accelerate Car
Acquisition	Package	UPIA Enterprise::UPIA Enterprise Architecture Description::Business Architecture::Acquisition
Organizational Resources	Package	UPIA Enterprise::UPIA Enterprise Architecture Description::Business Architecture::Organizational Resources

Domain Element		Requirement		
Name	Type	Module	ID	Text
Customer	Actor	Functional Requirements	1.5.0-1	The vehicle shall be assembled from pre-assembled parts with 24 hours of labor.
Domain Element		Requirement		
Name	Type	Module	ID	Text
Account Operations	Package	Functional Requirements	1.12	Illuminate car
Cash Check	UseCase	Functional Requirements	1.5.0-2	The vehicle shall be as modular as possible.
Cash Check	UseCase	Functional Requirements	1.5.0-3	The vehicle shall be assembled from pre-assembled parts with 24 hours of labor.

The «Objects not linked to modeling elements» report provides a list of all DOORS objects in the selected formal module that do not have incoming or outgoing links to a UML module.

The «Objects with suspect links» report provides a list of all DOORS objects in the selected formal module that have incoming or outgoing suspect links.

MDConnect also contributes to the **Rational Software Architect built-in traceability and impact analysis tools**. If a UML model element has outgoing links to DOORS requirements, these links will be considered during the UML impact analysis computation. Such DOORS Requirements will be displayed as specifications of the UML element.



Availability

MDConnect for DOORS and the RSA Extension are available from www.dxliterator.com, the SODIUS website dedicated to DOORS solutions.

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