

## IBM Rational DOORS Fundamentals

<b>Objectives</b> <ul style="list-style-type: none"> <li>• Learn how to apply key features of IBM® Rational® DOORS®</li> <li>• Practical tool usage guidelines to enact system engineering requirements management best practices             <ul style="list-style-type: none"> <li>• Requirements management</li> <li>• User requirements</li> <li>• System requirements</li> <li>• Use cases</li> </ul> </li> </ul>		<b>Description</b> <i>IBM Rational DOORS Fundamentals</i> teaches the experienced systems engineer how to apply the key capabilities of IBM Rational DOORS for requirements management. Students begin with reviewing a proven configuration for setting up a new DOORS project. Students then learn how to capture the user requirements through importing existing requirements and then organizing them in the project explorer. Interaction with module views for changing, sorting, and querying requirements and their attributes is discussed. Students apply different strategies for capturing requirements and setting attributes using formal modules. Then students continue with establishing and querying traceability between user requirements, system requirements, and test cases using traceability links. Students apply DOORS change management capabilities to review module history, to view suspect traceability links and to create baselines. The course concludes with an overview of advanced DOORS features including discussions, external tool integration, and the DOORS eXtension Language (DXL).	
		<b>Course Outline (Modules and Topics)</b> <ul style="list-style-type: none"> <li>• Requirements Process Overview             <ul style="list-style-type: none"> <li>• Requirements management work products, templates, and samples</li> <li>• DOORS project setup</li> </ul> </li> <li>• Capture User Requirements             <ul style="list-style-type: none"> <li>• Traceability strategy</li> <li>• Import requirements from spreadsheet</li> <li>• Move, copy, and delete requirements</li> </ul> </li> <li>• View Requirements             <ul style="list-style-type: none"> <li>• Formal modules</li> <li>• Module views and forms</li> <li>• Requirement attributes</li> <li>• Sort and query views</li> </ul> </li> <li>• Capture System Requirements             <ul style="list-style-type: none"> <li>• Create new requirements</li> <li>• Use case specifications</li> <li>• Import requirements from Word</li> <li>• Generate reports and export data</li> </ul> </li> <li>• Manage Traceability             <ul style="list-style-type: none"> <li>• Internal and external links</li> <li>• Link attributes and attribute linking</li> <li>• View traceability links</li> <li>• Establish traceability</li> <li>• Linksets and matrices</li> <li>• Link analysis and traceability views</li> </ul> </li> <li>• Manage Change             <ul style="list-style-type: none"> <li>• Module history</li> <li>• Suspect traceability links</li> <li>• Baselines and comparisons</li> <li>• Submit change proposals</li> </ul> </li> <li>• Advanced Features             <ul style="list-style-type: none"> <li>• Discussions</li> <li>• External tool integration</li> <li>• DXL</li> </ul> </li> </ul>	
<b>Duration</b> 1 day	<b>Course #</b> 01-0616	<b>Prerequisites</b> <ul style="list-style-type: none"> <li>• Requirements Management Fundamentals course</li> </ul>	
<b>Audience</b> <ul style="list-style-type: none"> <li>• Systems engineer</li> <li>• Business architect</li> <li>• Business analyst</li> <li>• System analyst</li> <li>• Project manager</li> <li>• Software architect</li> <li>• Test analyst</li> <li>• Technical writer</li> </ul>		<b>Continuing education</b> <ul style="list-style-type: none"> <li>• IBM Rational DOORS Advanced</li> <li>• IBM Rational Rhapsody Fundamentals</li> <li>• IBM Rational System Architect Fundamentals</li> </ul> <b>Classroom requirements</b> <ul style="list-style-type: none"> <li>• IBM Rational DOORS</li> </ul>	
		<b>In partnership with</b>	

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