IBM SE Symposium Roma – 29 Nov 2012

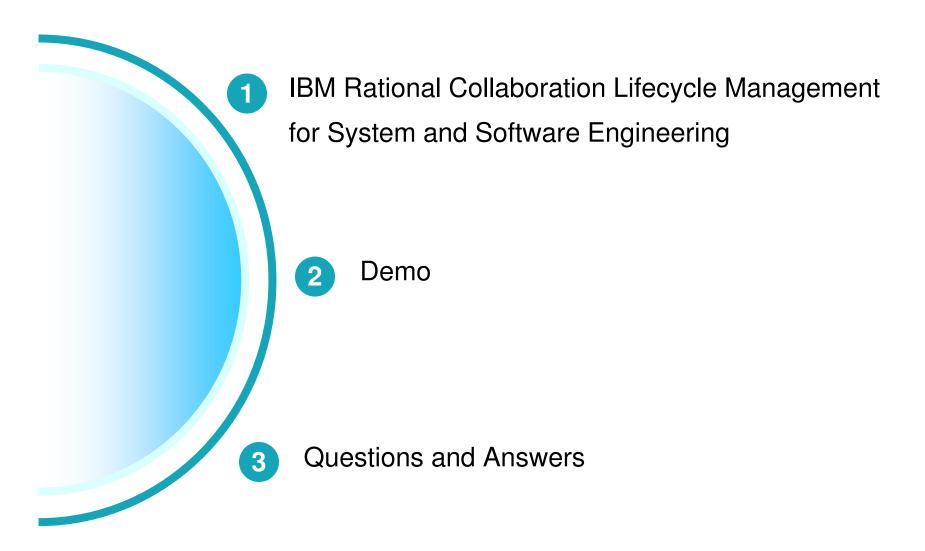


Generazione automatica di documentazione in ambienti complessi

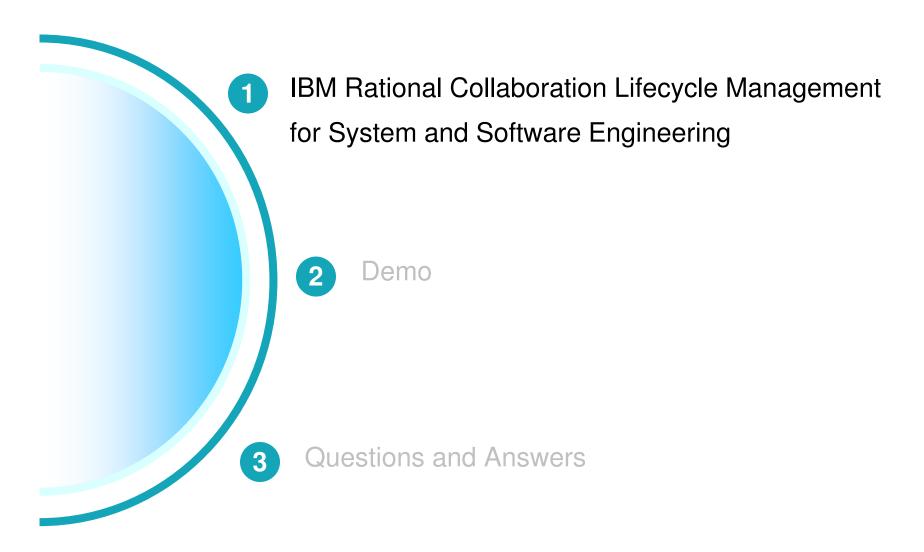
Luca Sentimenti – Requirements Tech Specialist Gianluca Monticone – Senior Systems Specialist

Software and Systems Engineering | Rational



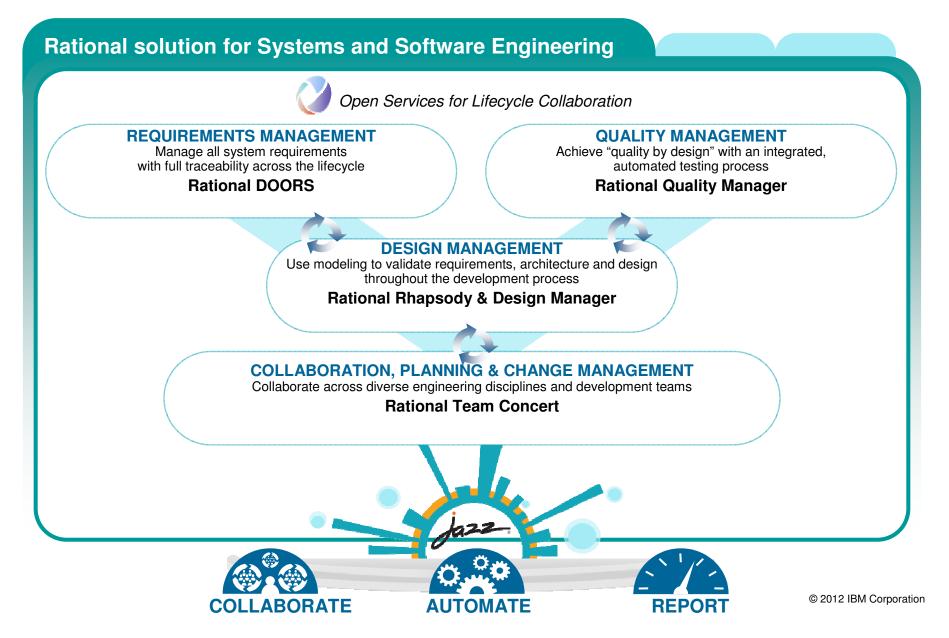






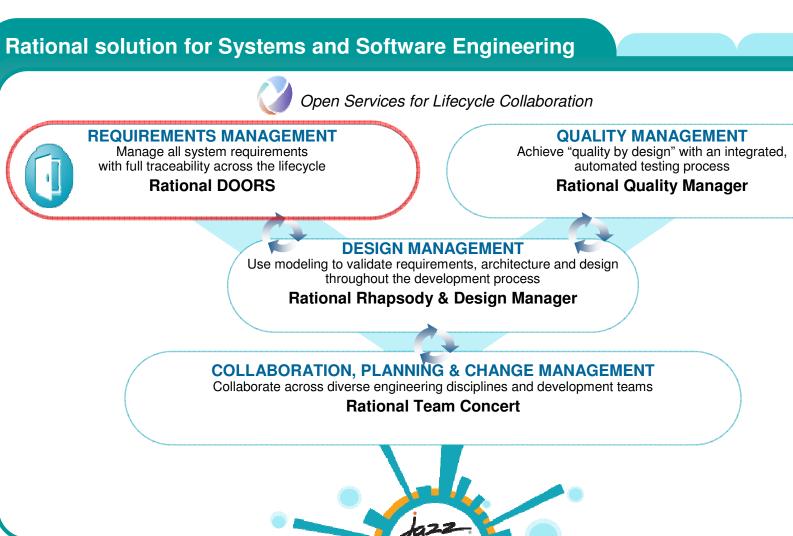


Rational Solution Portfolio for SSE CLM





Rational Solution Portfolio for SSE CLM - RM



AUTOMATE

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COLL

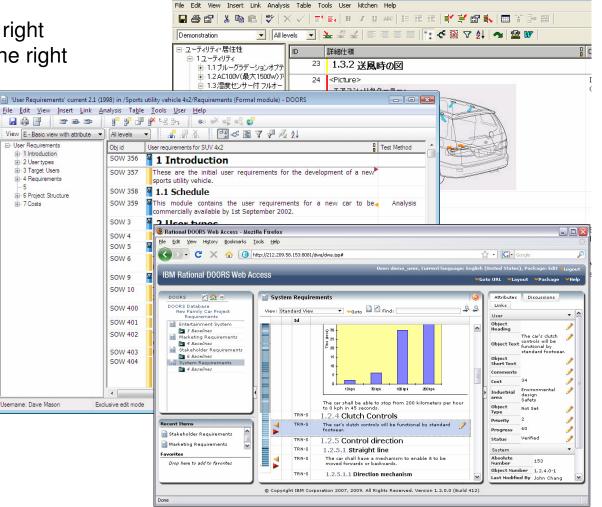
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REPOR

Rational DOORS for Requirement Management

Manage All Requirements Across the Lifecycle and Across Disciplines

- Highly flexible display gives the right people the right information at the right time
- Intuitive interface means you'll be up and running quickly
- Document based for efficient organization and reporting
- Classic or Web Access client both on the same database



||Formal module 'ミニバン開発プロジェクト/ユーティリティ・居住性' current 0.0 - DOORS

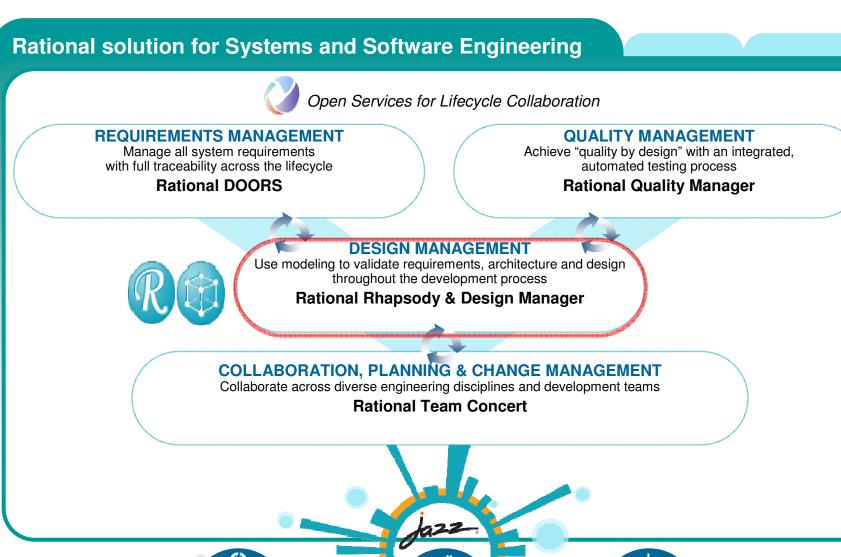




COLL



Rational Solution Portfolio for SSE CLM - DM

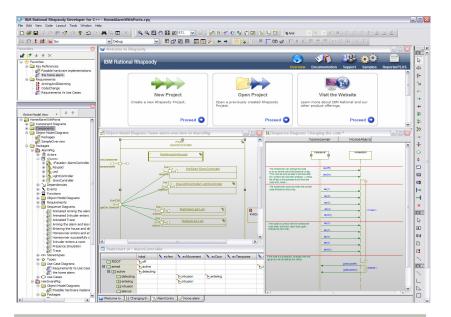


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REPOF

Systems & Software Engineering with Rational Rhapsody®



"Using Rhapsody software improves the quality of the application software that is integral to the series hydraulic hybrid system development process."

Steve Zielinski, Eaton chief engineer for software

Capabilities

- Requirements-driven analysis and design for technical, embedded or real-time solutions, including those based on *multicore* architectures
- Rapid design validation and verification with frequent simulation and testing
- Development and deployment of complete C, C++, C#, Java and Ada applications

Benefits

- Build the right product through non-ambiguous communication and frequent collaboration
- Eliminate defects early and increase quality by continually testing the design
- Reduce development time by automatically generating applications and documentation
- Re-use and adapt existing technology through reverse engineering and product line engineering



Rational Solution Portfolio for SSE CLM

Rational solution for Systems and Software Engineering



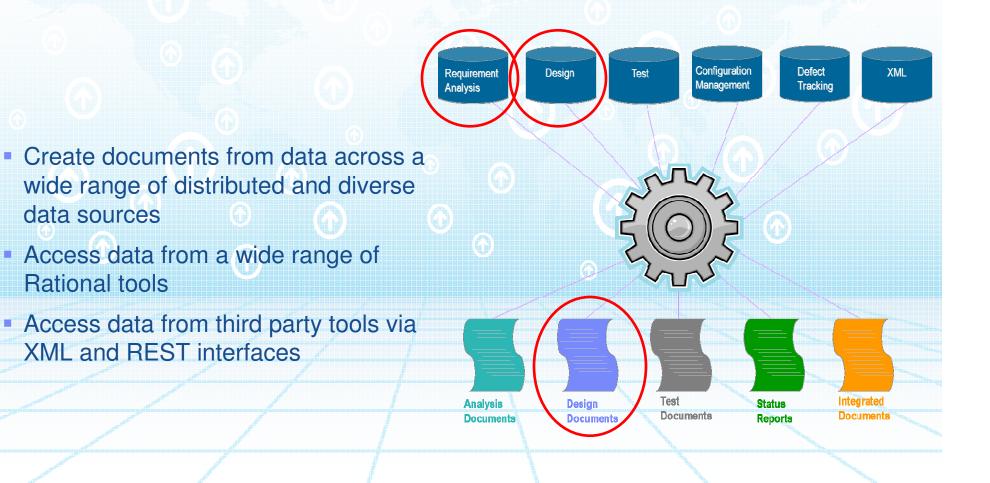
Open Services for Lifecycle Collaboration

PUBLISHING & REUSE

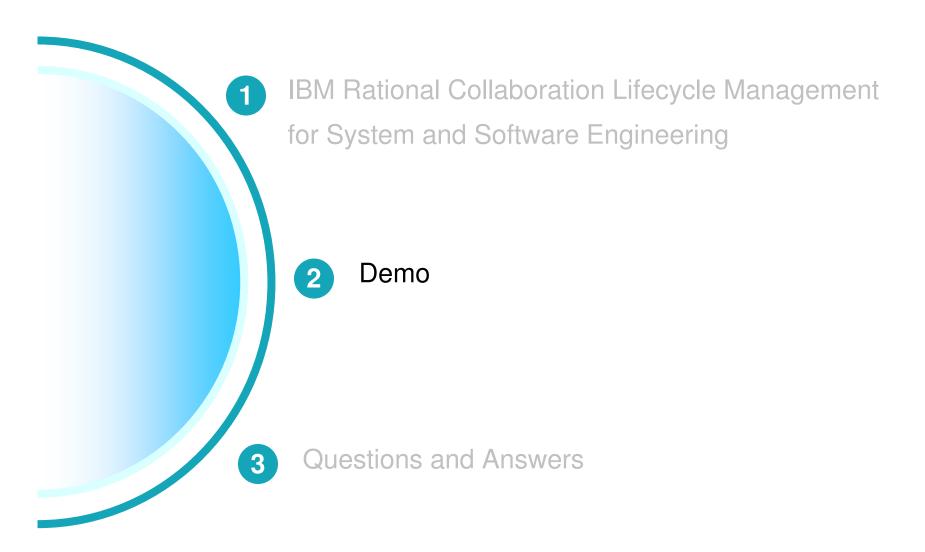
Automated Documents Generation and Asset Management for governance and reuse Rational Publishing Engine Rational Asset Manager



Rational Publishing Engine: document automation across the development lifecycle



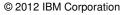


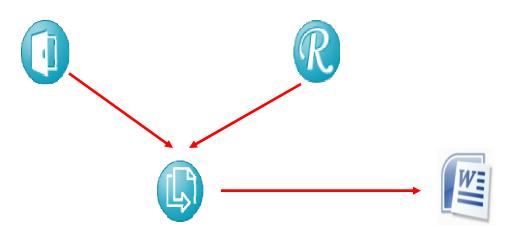


Requirements are managed in Rational DOORS

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- Documentation automatically produced by Rational Publishing Engine











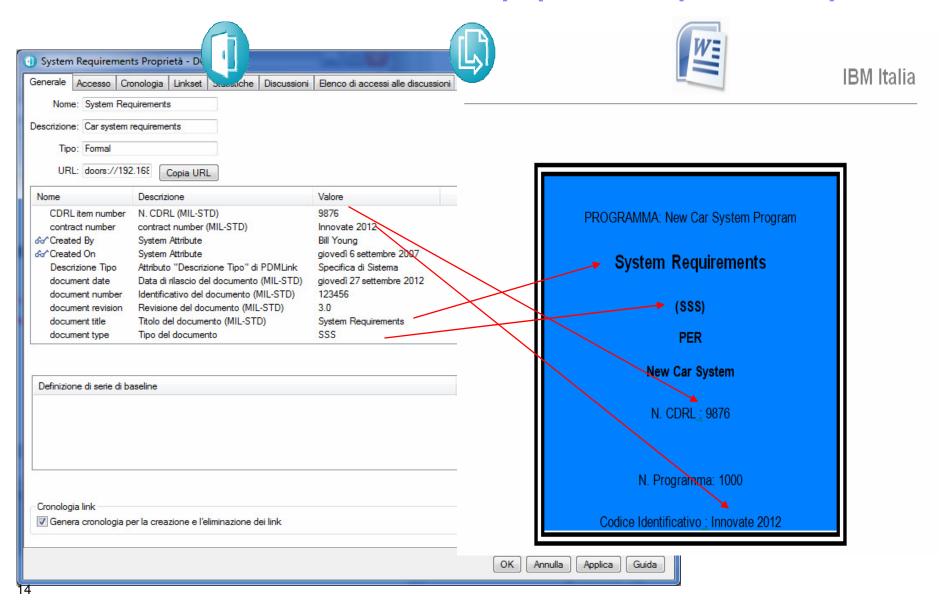




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RPE can use DOORS attributes to populate corporate templates

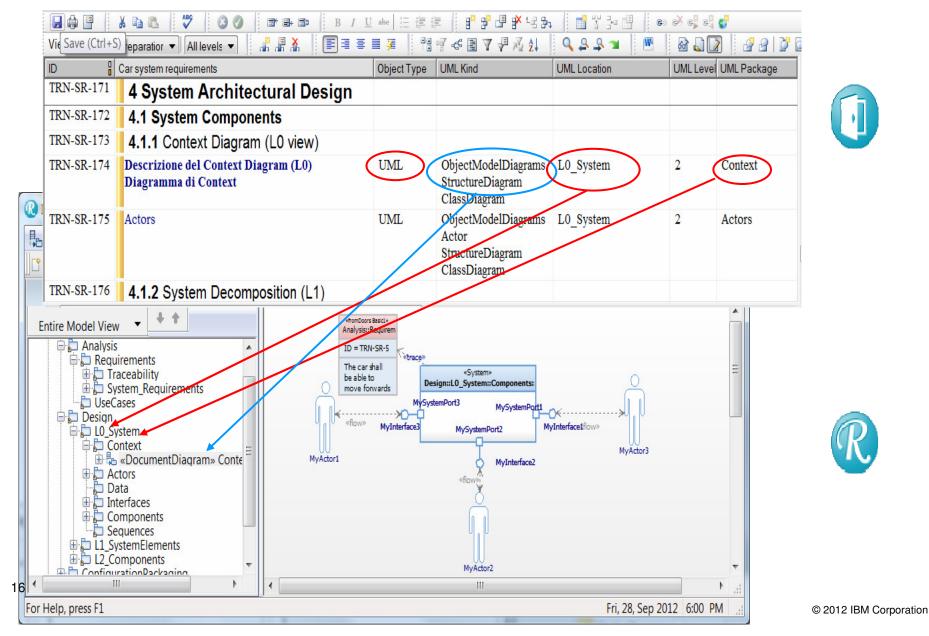


RPE template can interpretate DOORS attribute in DOORS obj

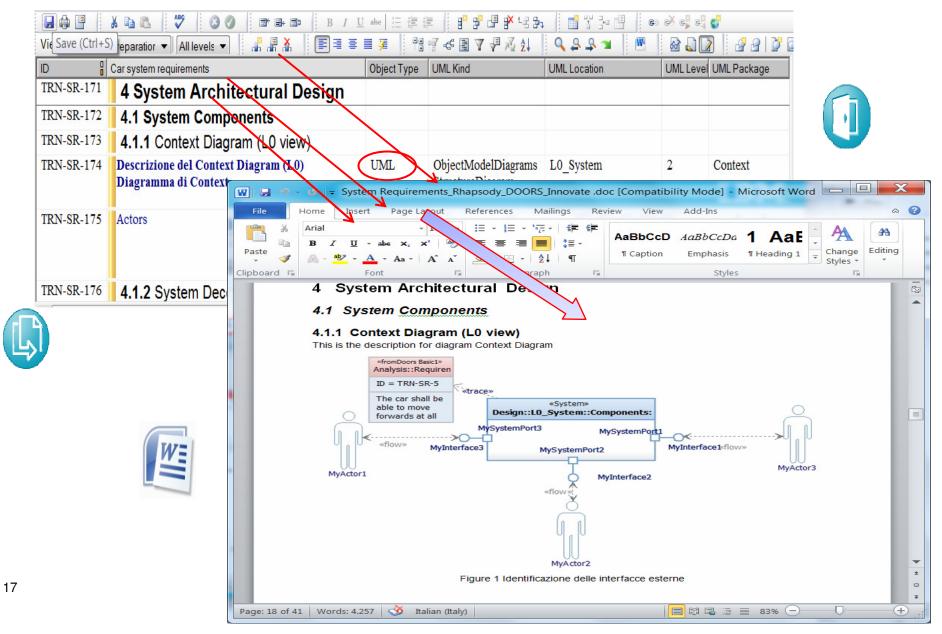
planet

📄 'System Requirements' corrente 3.0 (Prova) in /New Family Car Project/Requirements (modulo Formale) - DOORS
<u>F</u> ile Modifica <u>V</u> ista Inserisci <u>L</u> ink <u>A</u> nalisi Ta <u>b</u> ella <u>T</u> ool <u>D</u> iscussioni <u>U</u> tente <u>P</u> SToolbox <u>P</u> ublish RG 7.6.1 <u>A</u> nsaldo Breda <u>C</u> eSiFer <u>I</u> talferr <u>S</u> irio Panel <u>V</u> ari <u>E</u> NAV <u>G</u> ETS Gestione modifiche MM Admin Guida
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ID Car system requirements III Is Requirement Parent Requirement Title
TRN-SR-5 ^I The car shall be able to move forwards at all speeds from 0 to 220 kilometers per hour on standard flat roads with winds of 0 kilometers per hour, with 280 BHP. True TRN-CSR-26 Car Speed TRN-SR-5 ^I The car shall be able to move forwards at all speeds from 0 to 220 kilometers per hour on standard flat roads with winds of 0 kilometers per hour, with 280 BHP. TRN-CSR-27 Car Speed TRN-CSR-97 TRN-CSR-97 TRN-CSR-97 TRN-CSR-97
TRN-SR-6 Z 2.1.1.2 Move backwards
TRN-SR-7 The car shall be able to move backwards to a maximum speed of 25 Kilometers per hour. True TRN-CSR-30 Backward Speed
TRN-SR-% Z.1.2 Accelerate car
Nome utente: Luca Sentimenti Modalità di modifica esclusiva
5 Traceability
Requisito di System Requisito Satisfies out
Id Posizione Id Denominazione Rif. TRN-SR-5 2.1.1.1.0-1 TRN-CSR-26 Users shall be able to travel at speeds 3.1.3.1.1.0-1
TRN-CSR-27 TRN-CSR-41 TRN-CSR-97Users shall be able to accelerate from 0 Users shall be able to travel in safety
TRN-SR-7 2.1.1.2.0-1 TRN-CSR-30 Users shall be able to move backwards to 3.1.3.1.2.0-1
TRN-SR-9 2.1.2.0-1 TRN-CSR-27 TRN-CSR-98 Users shall be able to accelerate from 0 3.1.3.1.1.0-2 3.1.14.0-2 3.1.14.0-2
TRN-SR-10 2.1.2.0-2 TRN-CSR-98 TRN-CSR- 124 The user shall be able to travel up and Users shall be able to accelerate from 1 3.1.14.0-2 3.1.3.1.10-3
TRN-SR-11 21 2 0 -3 TRN-CSR- Lisers shall be able to accelerate from 1 31 3 1 1 0 4 * Page: 17 of 22 Words: 3.647

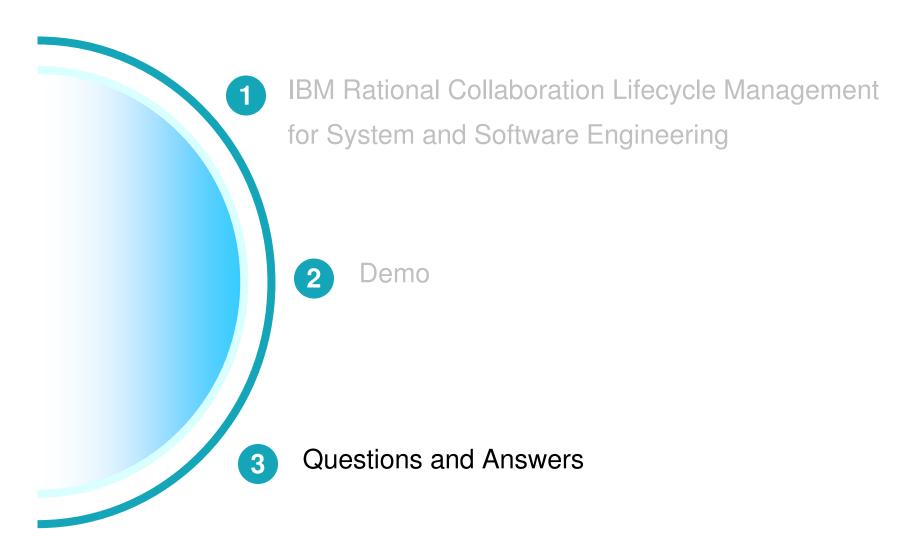














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