



Session PA-1234: Integrated Application Lifecycle Management Using SAP and IBM Rational Tools

Steve Pitschke
Software Engineer and Architect
Rational Software, IBM

Joseph Derr, Jr
SAP Testing Tool SME
GBS, IBM

IBM Software

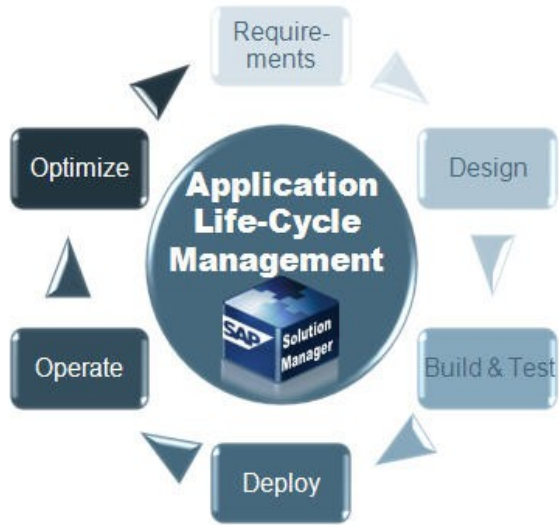
Innovate2012

The Premier Event for Software and Systems Innovation



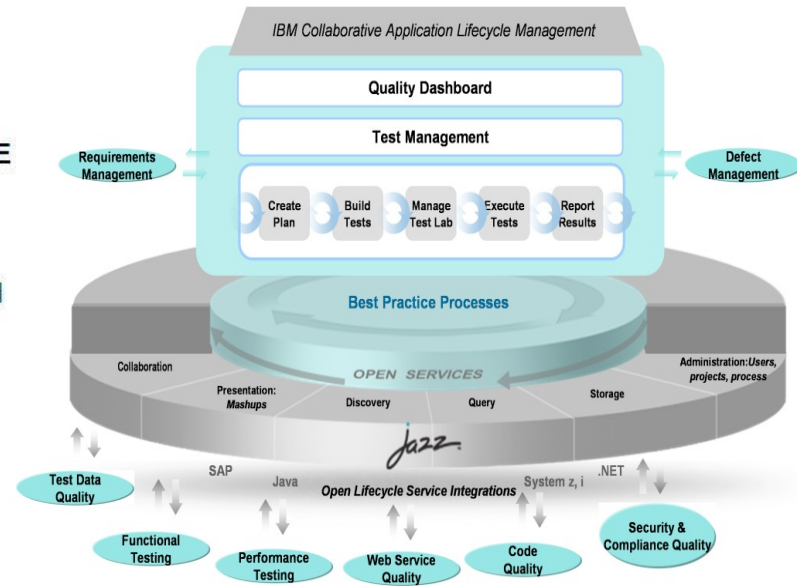
Application Lifecycle Management with SAP Solution Manager and IBM Rational Software

SAP Solution Manager



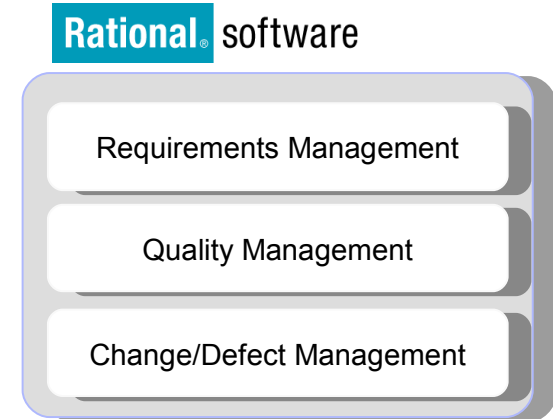
- **Reduces risk and lowers TCO** through standardized and integrated E2E Solution Operations according to ITIL
- **Optimizes business benefits** through a comprehensive and integrated quality management process
- **Leverages built-in innovation** by making innovation a non-event and protecting existing investments

IBM Rational



End-to-end Quality Management is a key element of effective Application Life-cycle Management to help lower costs and improve deployment success

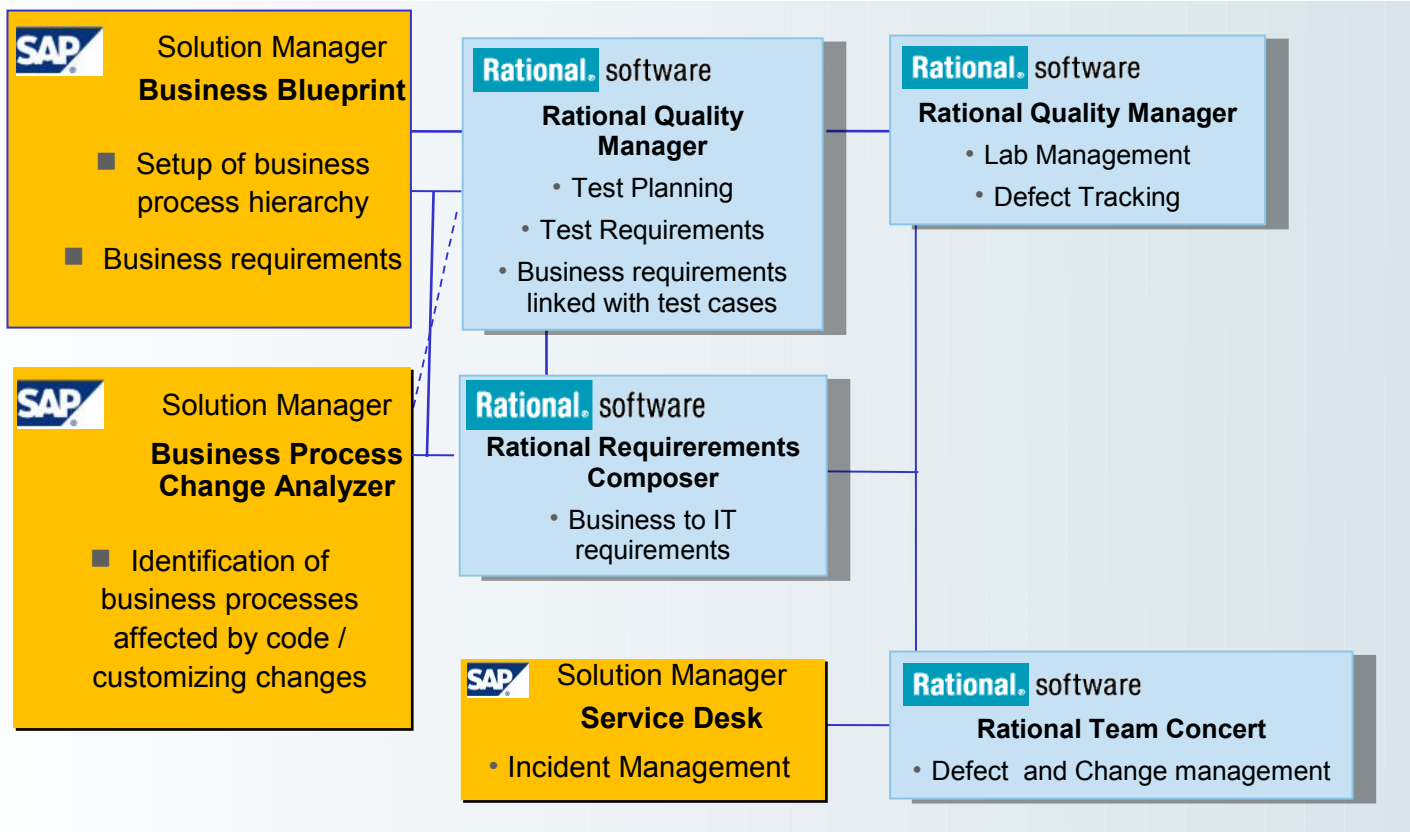
IBM Rational Connector for SAP Solution Manager



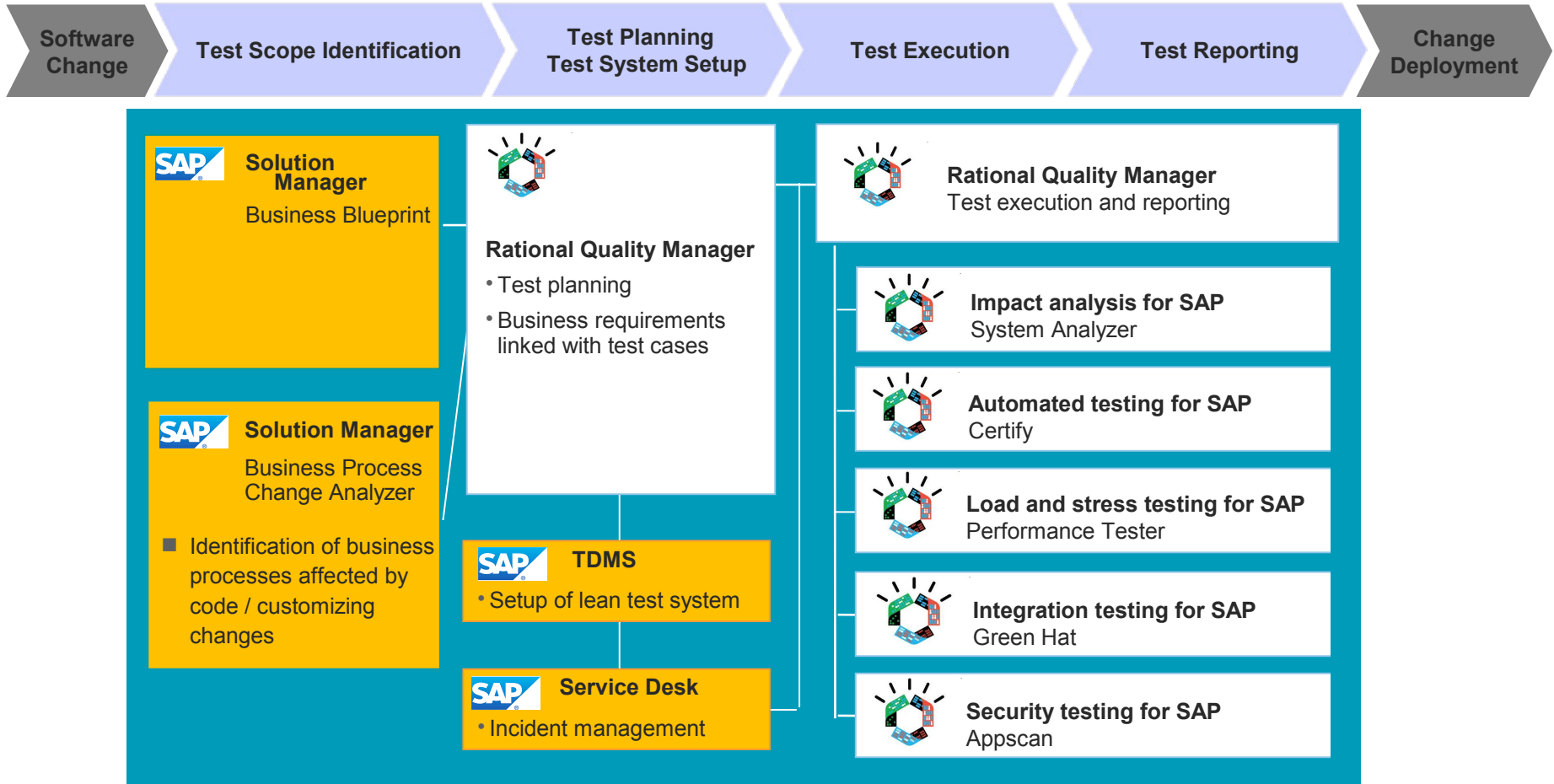
Customer Benefits

- Allows customers to combine SAP & IBM best practices & standards
- Combine SAP Solution Manager life-cycle management capabilities with IBM Rational's integrated governance and quality management capabilities
- Enables end-to-end business process testing
- Aligns enterprise architecture and requirements with SAP-centric Solutions

End-to-End ALM of SAP-centric Solutions



End-to-End Quality Management of SAP-centric Solutions

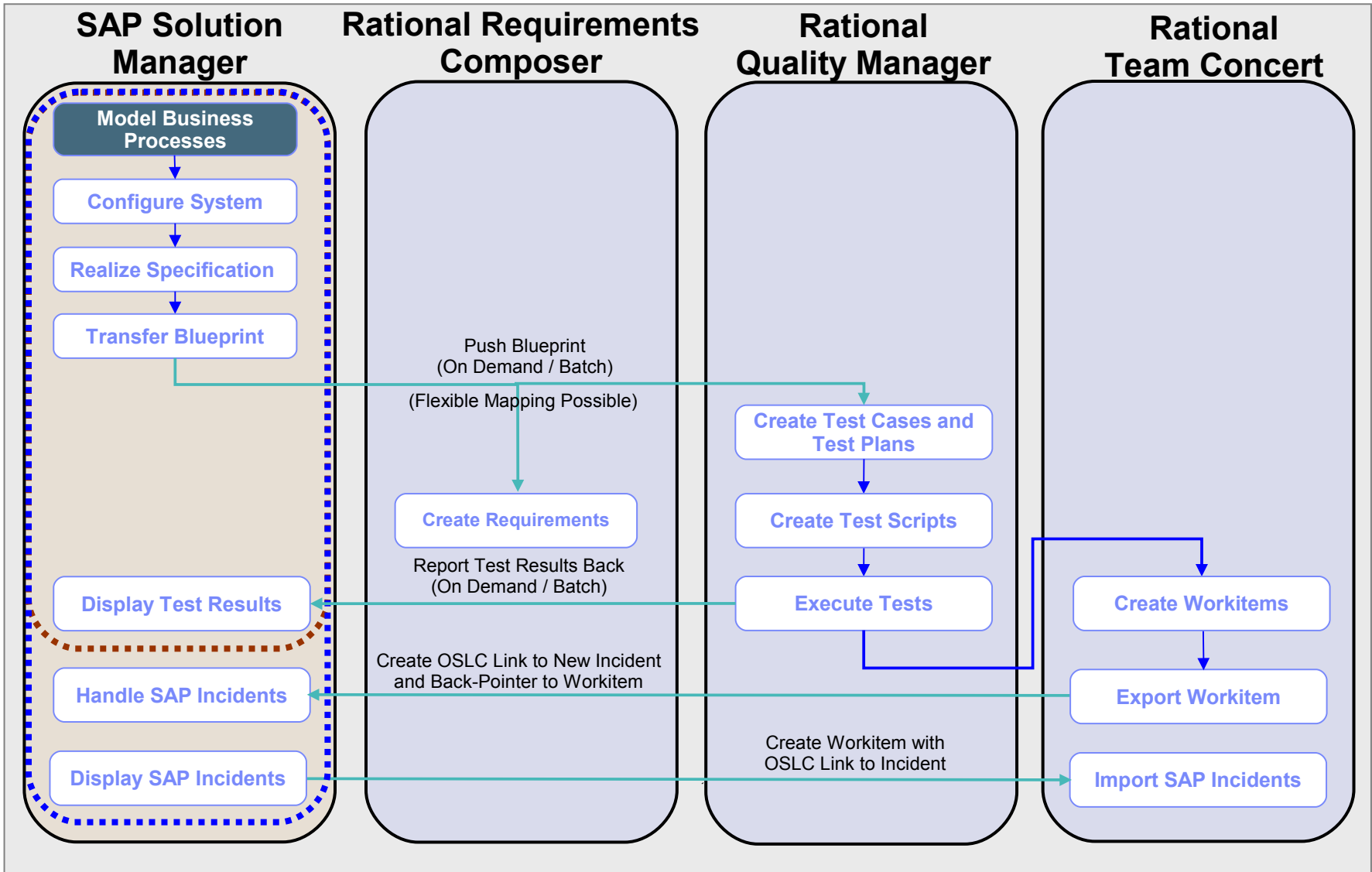


Magic Quadrant for Integrated Software Quality Suites

Gartner®

Next NOW!

ALM Process Flow



Blue Harmony

- Blue Harmony is the IBM internal deployment of SAP packaged applications
- 5 year project – begun in 2009
- Spans 170 countries
- Largest single deployment of SAP packaged applications
- Part of a strategic partnership between IBM and SAP

Blue Harmony Use of IBM Rational Connector for SAP Solution Manager

- Test and requirements management for Blue Harmony development using SAP Solution Manager and Rational Tools, powered by IBM Rational Connector for SAP Solution Manager
- Actually connector was developed as part of Blue Harmony
- Connector allowed Blue Harmony to pre-populate Rational Quality Manager with the project and testing requirements allowing test cases to be written to directly cover the Blue Harmony business process hierarchy in Solution Manager
- Connector also returned Rational Quality Manager testing results to SAP Solution Manager documenting full testing of the project business process hierarchy

Blue Harmony Use of IBM Rational Connector for SAP Solution Manager (continued)

- 3 environments (production, QA in US, sandbox for development in Germany)
- Test objects -->> Test Cases: 19156, Requirements: 19156
- Business Scenarios -->>Test Plans: 501
- Test Suites: 20139, Test Execution Records: 20363, Test Execution Results: 61968

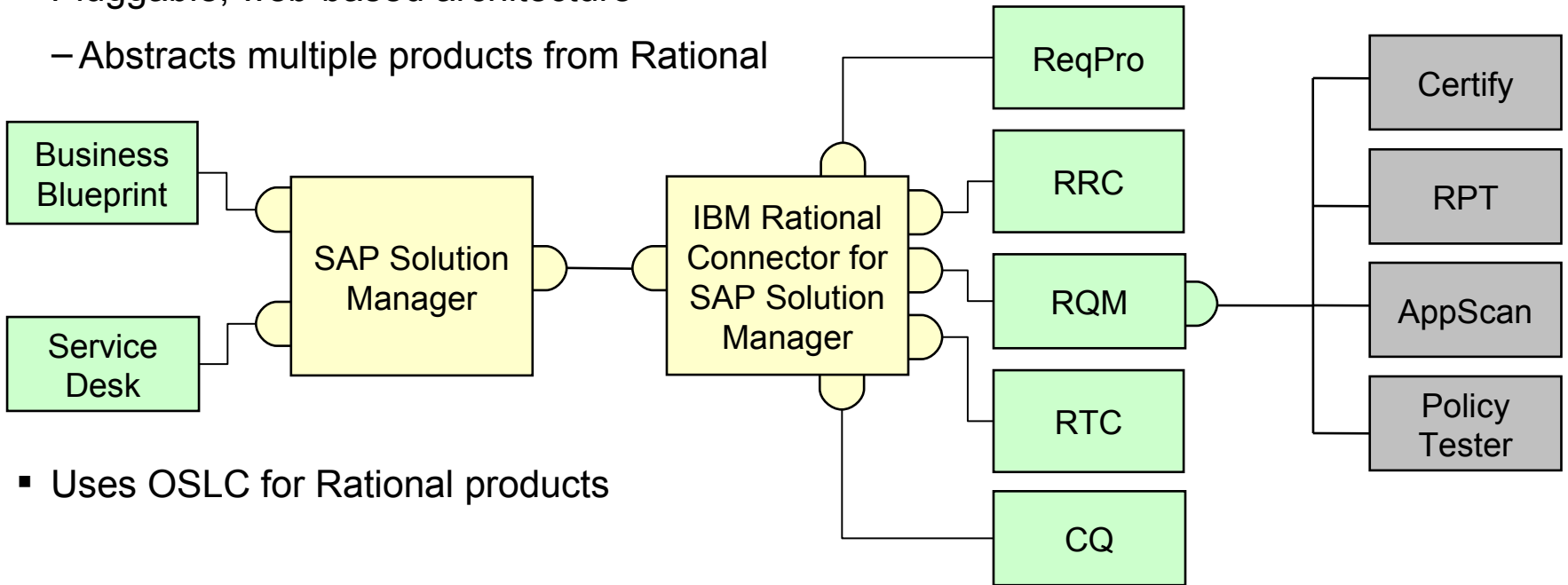


www.ibm.com/software/rational

(Come to Integration Center too)

Architecture for the IBM Rational Connector for SAP Solution Manager

- Web Application that sits as communication layer in front of the Rational Tools and interfaces with SAP Solution Manager
- Uses SAP provided web services to communicate with Solution Manager
 - Web service request secured by SAML trust relationships between servers
- Pluggable, web-based architecture
 - Abstracts multiple products from Rational



- Uses OSLC for Rational products

QUESTIONS

www.ibm.com/software/rational



www.ibm.com/software/rational

© Copyright IBM Corporation 2012. All rights reserved. The information contained in these materials is provided for informational purposes only, and is provided AS IS without warranty of any kind, express or implied. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, these materials. Nothing contained in these materials is intended to, nor shall have the effect of, creating any warranties or representations from IBM or its suppliers or licensors, or altering the terms and conditions of the applicable license agreement governing the use of IBM software. References in these materials to IBM products, programs, or services do not imply that they will be available in all countries in which IBM operates. Product release dates and/or capabilities referenced in these materials may change at any time at IBM's sole discretion based on market opportunities or other factors, and are not intended to be a commitment to future product or feature availability in any way. IBM, the IBM logo, Rational, the Rational logo, Telelogic, the Telelogic logo, and other IBM products and services are trademarks of the International Business Machines Corporation, in the United States, other countries or both. Other company, product, or service names may be trademarks or service marks of others.