IBM Software





Effective Collaboration for Better Design

What's new in Rational Software Architect extension for Design management

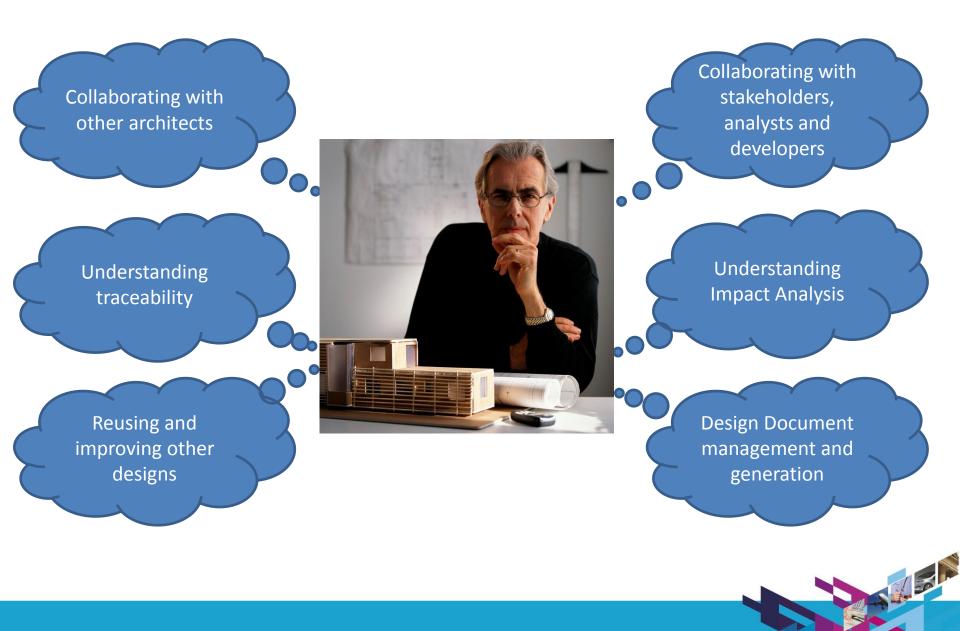
Steve Arnold – Consulting IT Specialist – <u>steve.arnold@uk.ibm.com</u> 🖪 🛅 😂





What is collaborative design ?

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Deliver software faster with one integrated and effective Application Lifecycle Management (ALM) solution

- Reduce complexity and costs, improve quality and predictability, speed delivery and increase collaboration across the entire team with a focus on the five imperatives for effective ALM:
 - Start with the capabilities you need to address your priorities NOW. Extend them as your needs evolve.
- Integrate software design for broader collaboration and traceability
- Unify your infrastructure and protect your current investments with the open, extensible Jazz platform

IBM Rational solution for Collaborative Lifecycle Management

- Includes: Rational Requirements Composer 4.0, Rational Team Concert 4.0, and Rational Quality Manager 4.0
- Can be extended with Design Management by adding Rational Software Architect with Design Manager



"Once fully implemented, we expect to reduce friction and focus on delivering value to customers in each delivery stream, to reduce rework by improving end-to-end collaboration and its planning consistency, and to REDUCE our compliance efforts by AUTOMATING key process tasks and deliverables."

Stephan Pauletto, Engagement Manager, IMS Health

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Rational Design Manager Features

Planning

Integrated planning

Work Items

View and share query results

Support for approvals and

Query editor interface

Defects, enhancements

and conversations

discussions

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Next NOW!

Effort estimation & progress tracking taskboardsOut of the box process templates: formal or agile

Design Management

- Design change tracking
- Configuration management
- Design documents
- Searching and design reuse
- Impact Analysis

Collaboration

- Agile online sketching
- Reviews

Project Transparency

Customizable web based dashboards

Project milestone tracking and status

Metrics and reports

- Discussions
- Reporting
- Email notification

Lifecycle

- Design at your fingers tips Central repository for design related artifacts
- Role-based access control
- Common user administration with CLM
- Lifecycle projects with design

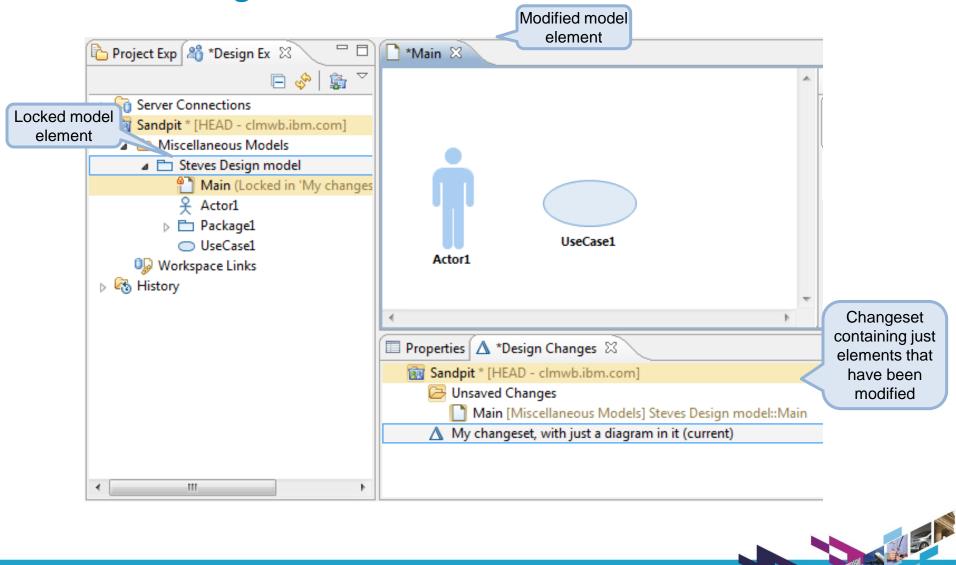
- Design in context Traceability between designs and requirements, work items, and quality artifacts
- Reporting and analysis across the lifecycle
- Dashboards across the lifecycle







Collaborating with Other Designers – Server managed models



Collaborating with Other Designers -

Automate Design Reviews

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- Automate manual and time consuming design reviews
- Users notified via email of the review and access their reviews from the dashboard
- Design Manager tracks progress of design review
- Link review to Team Concert work items for more formalized approvals

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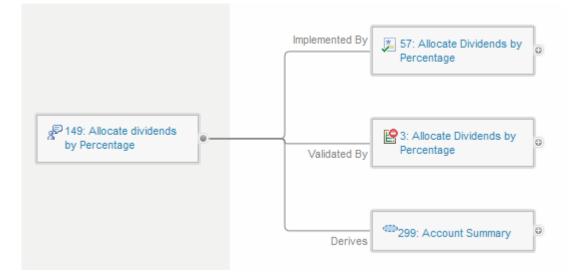
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Lifecycle Traceability - from Requirements to Design

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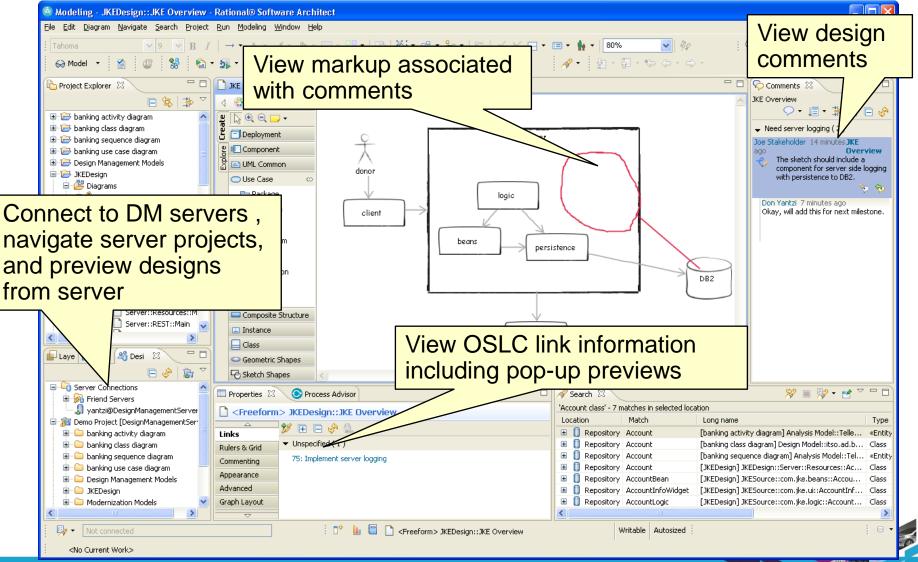




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Collaborative development with others –

Comments and feedback





Reuse – drag and drop to reuse existing elements

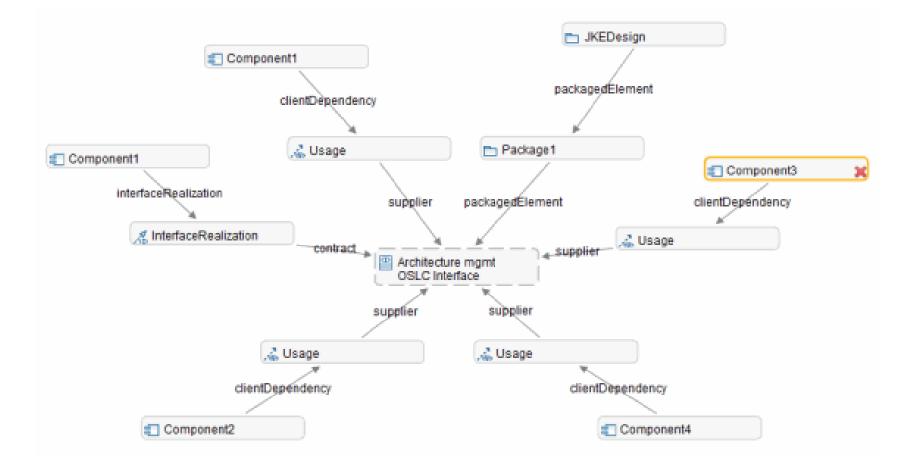
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Impact Analysis – across models and CLM artefacts

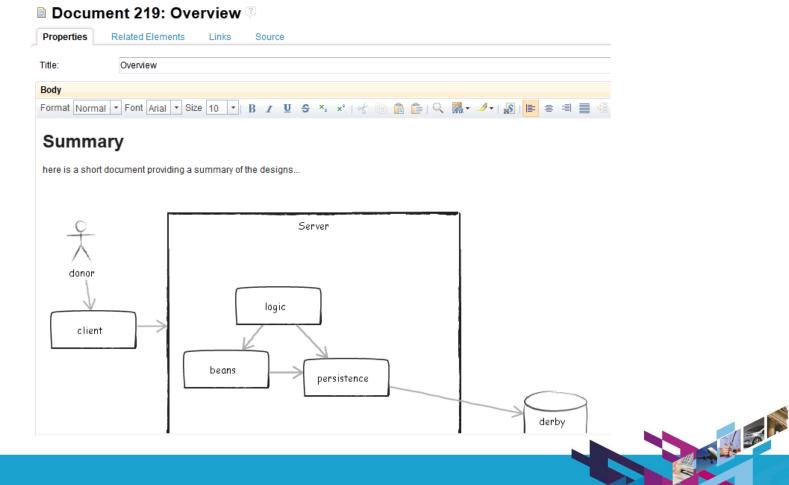




Two options

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- Create documents on the design server and embed diagrams
- Use RPE to generate documents and optionally store and manage them on the design server

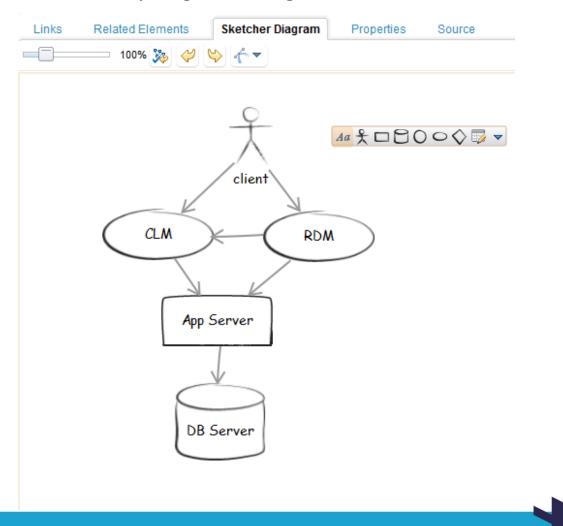






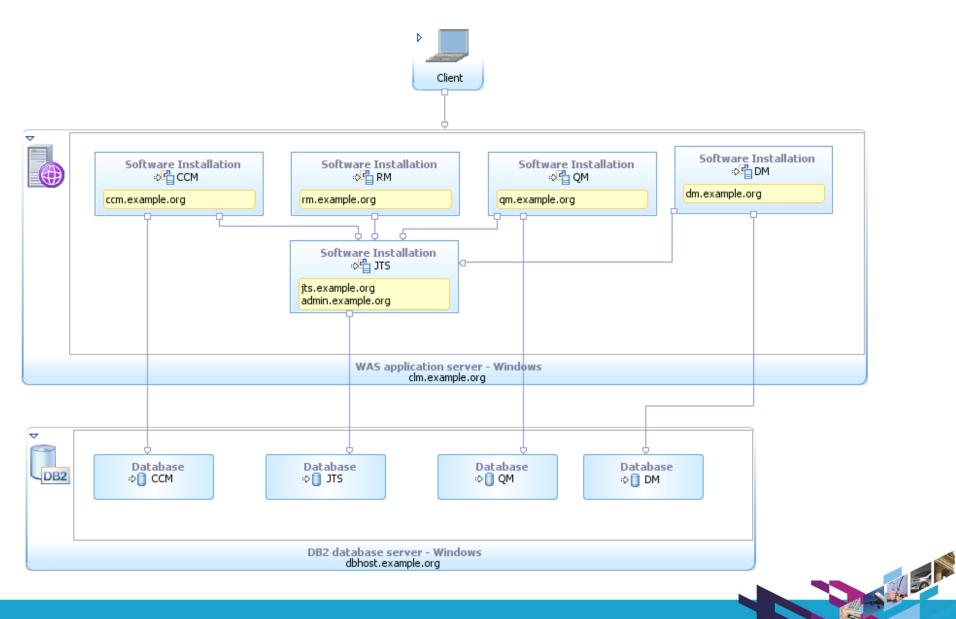
Sketching – Sketching in the web

RDM 4 introduces the ability to creates sketches through the web – so great for agile teams, infrequent users, or early stages of design





CLM and RSA DM Evaluation Installation Topology – 2012







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Summary

✓CDM 2012 provides great new features, with

✓ Deeper integration with CLM

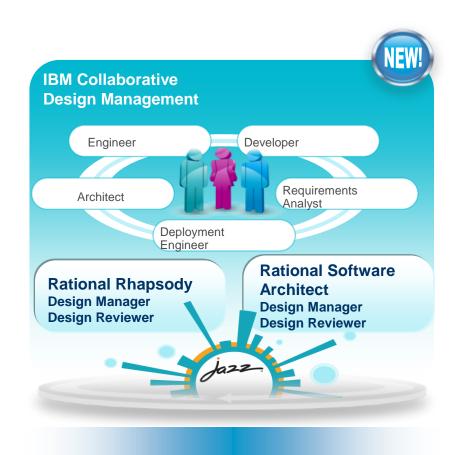
 ✓ Bi-directional traceability with RRC and DOORS

✓ Simple design reuse

 \checkmark Great collaboration around designs

✓CDM 2012 will benefit customers

- ✓ Providing better governance
- $\checkmark \text{Less effort to share models}$
- ✓More reuse
- Improved designs and software through better collaboration







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