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The Rational Software Conference

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Automating Agile Practices: Rational Team Concert and Rational Method Composer

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Acknowledgements:

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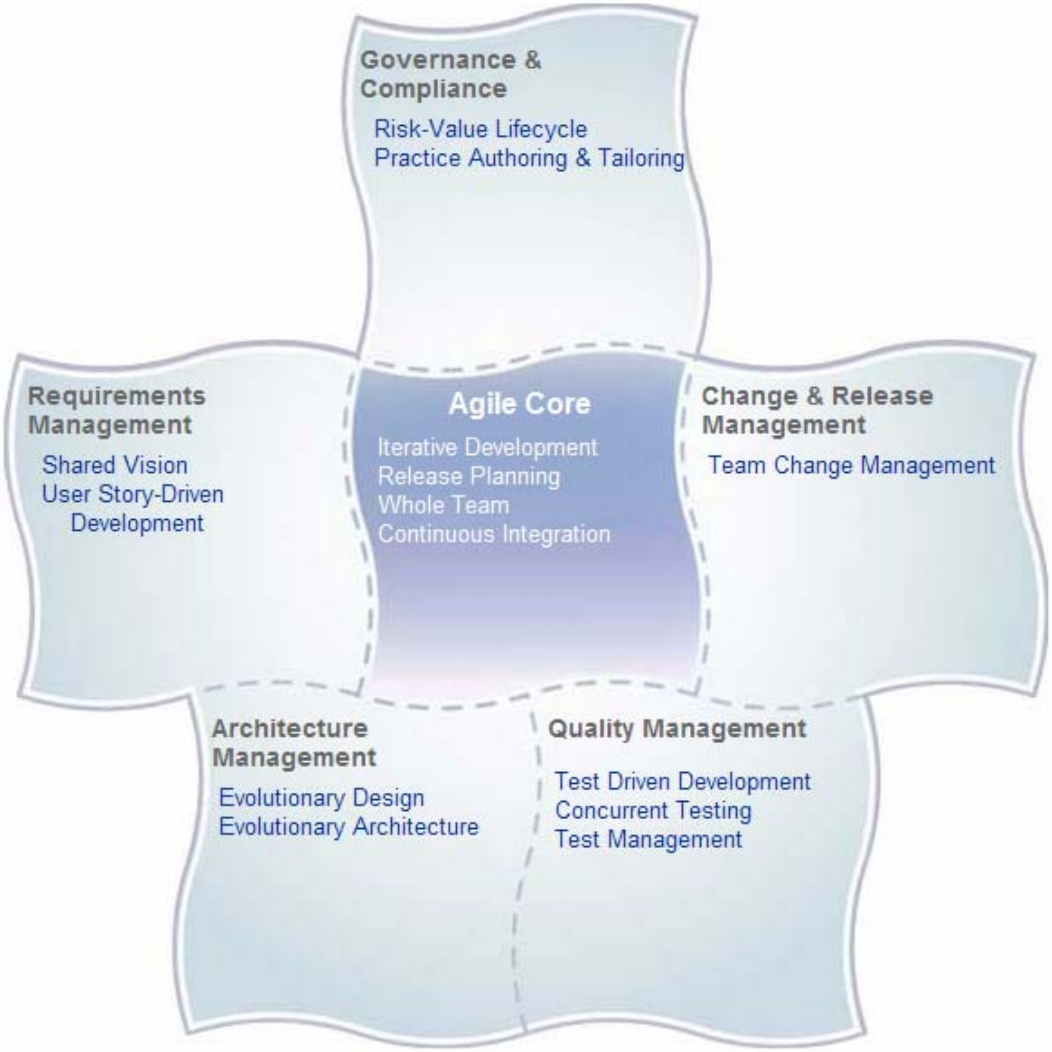
Agenda

- Process documentation
  - Rational Method Composer (demo)
- Process enactment
  - Rational Team Concert
  - Setting up the project area (demo)
  - Planning releases and iterations (demo)
  - Customizing your own process and work item templates
  - Final remarks and Q&A

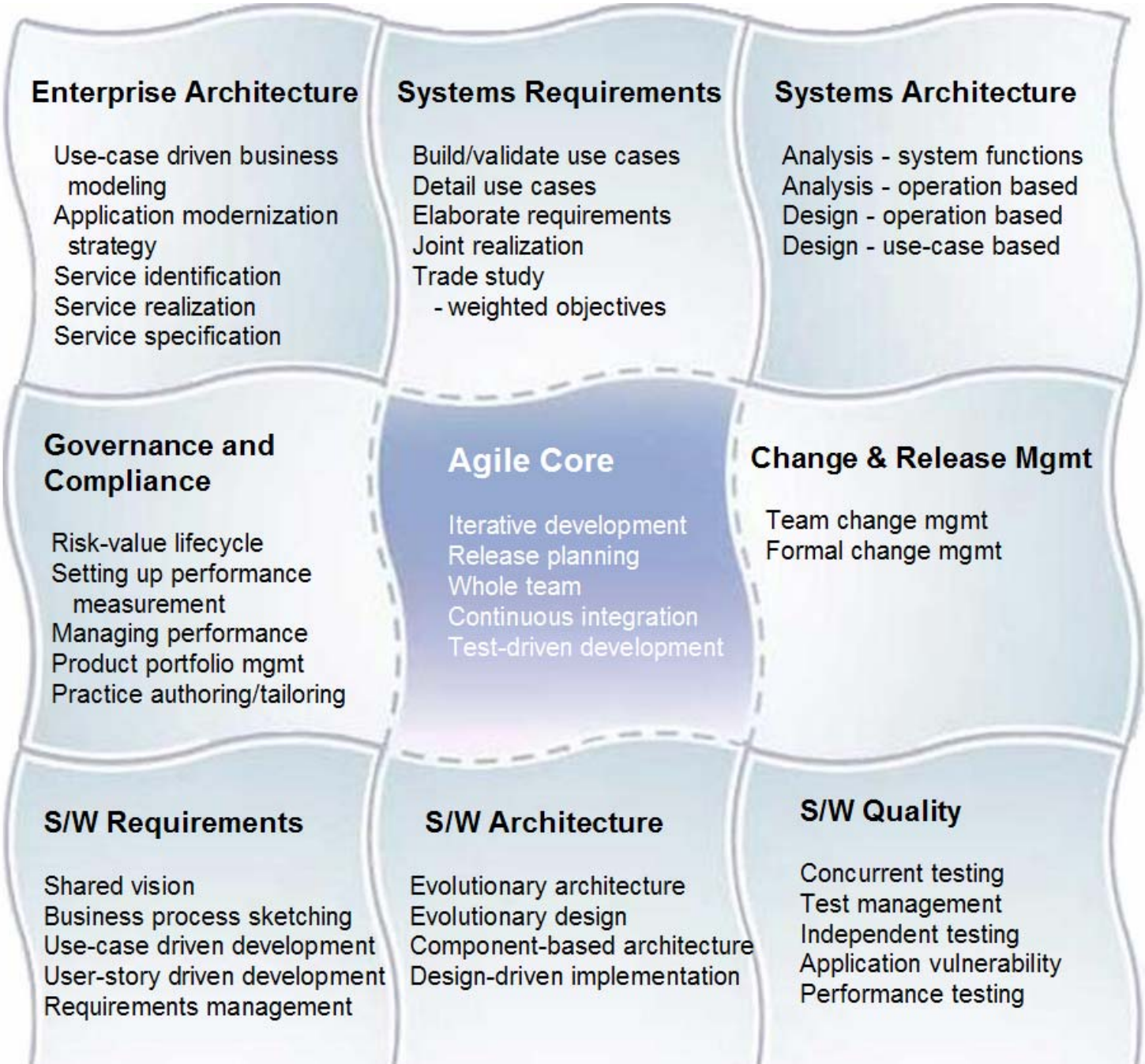
Documenting your process

- Rational Method Composer
  - Tool for authoring, tailoring, configuring, and publishing your process
- Sample practice sets:
  - Practices for Agile Delivery
  - Practices for Scaling Agile Development
  - And many more (later slide)

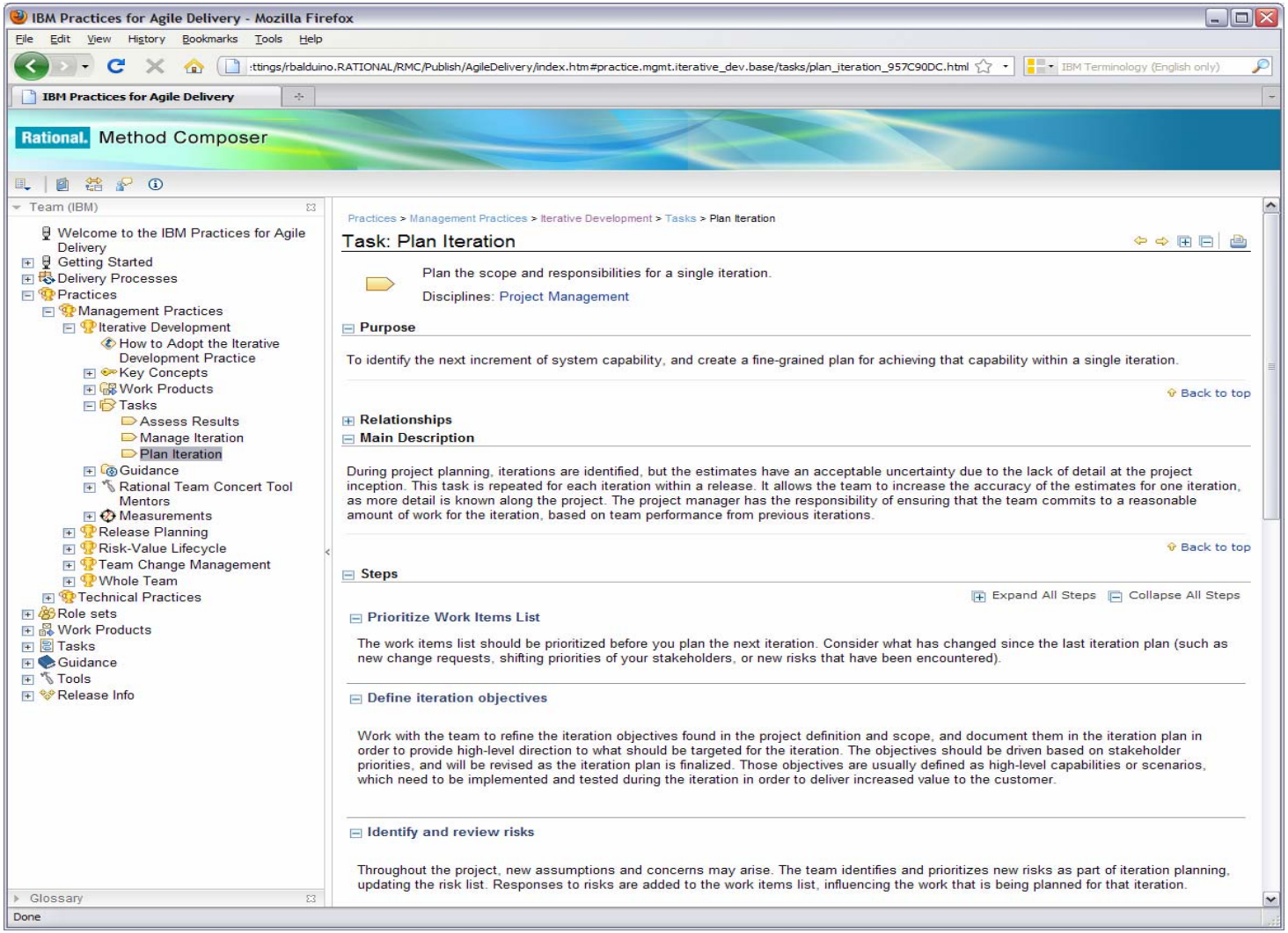


Practices available in the ***IBM Practices for Agile Delivery*** *configuration*

Latest complete set of practices … with more coming….



Publishing and deploying your practices



Rational Method Composer – Published Website

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Documented versus enacted processes

- Generally all software teams have some sort of process
  - Formally governed process, or informally agreed process, team culture and values, …
- Successful teams…
  - Believe their software process helps produce quality software
  - Own their process
  - Know which aspects of process need to be strictly regulated versus relaxed
  - Continually adapt and evolve their process to changing needs and retrospective feedback
- However success depends on….
  - Common **understanding** of the process by all team members
    - **IBM Rational Method Composer** to capture and maintain your process descriptions
    - Knowledge transfer vehicle and reference for reuse
  - Consistent **execution** of the process
    - **IBM Jazz Team Process Component** to enable tools such as **Rational Team Concert** to support your process
    - Automate processes as **time savers**, **productivity boosters**, and **safety nets**
    - **Encourage** and **steer** the team down the appropriate path

Best practices provide customizable models for using the IBM Rational Software Delivery Platform

Adopt Best Practice

- Use-case driven development
- Continuous integration
- Shared vision
- Whole team
- Staged integration
- Multi-team management
- Risk-value lifecycle
- Asset-based development
- Asset governance
- Iterative development
- SOA modeling

Rational. Method Composer

Rational. Asset Manager

Best practice asset repository

Rational. ClearQuest

Rational. Build Forge

Rational. RequisitePro

Rational. ClearCase

IBM Rational. Other offerings

Jazz Offerings

Rational. Requirements Composer

Rational. Team Concert

Rational. Quality Manager

IBM Rational. Others to come…

Example

- Continuous integration
- Risk-value lifecycle
- Release planning
- Iterative development
- Use-case driven development

Work Items SCM Build

Rational. Team Concert

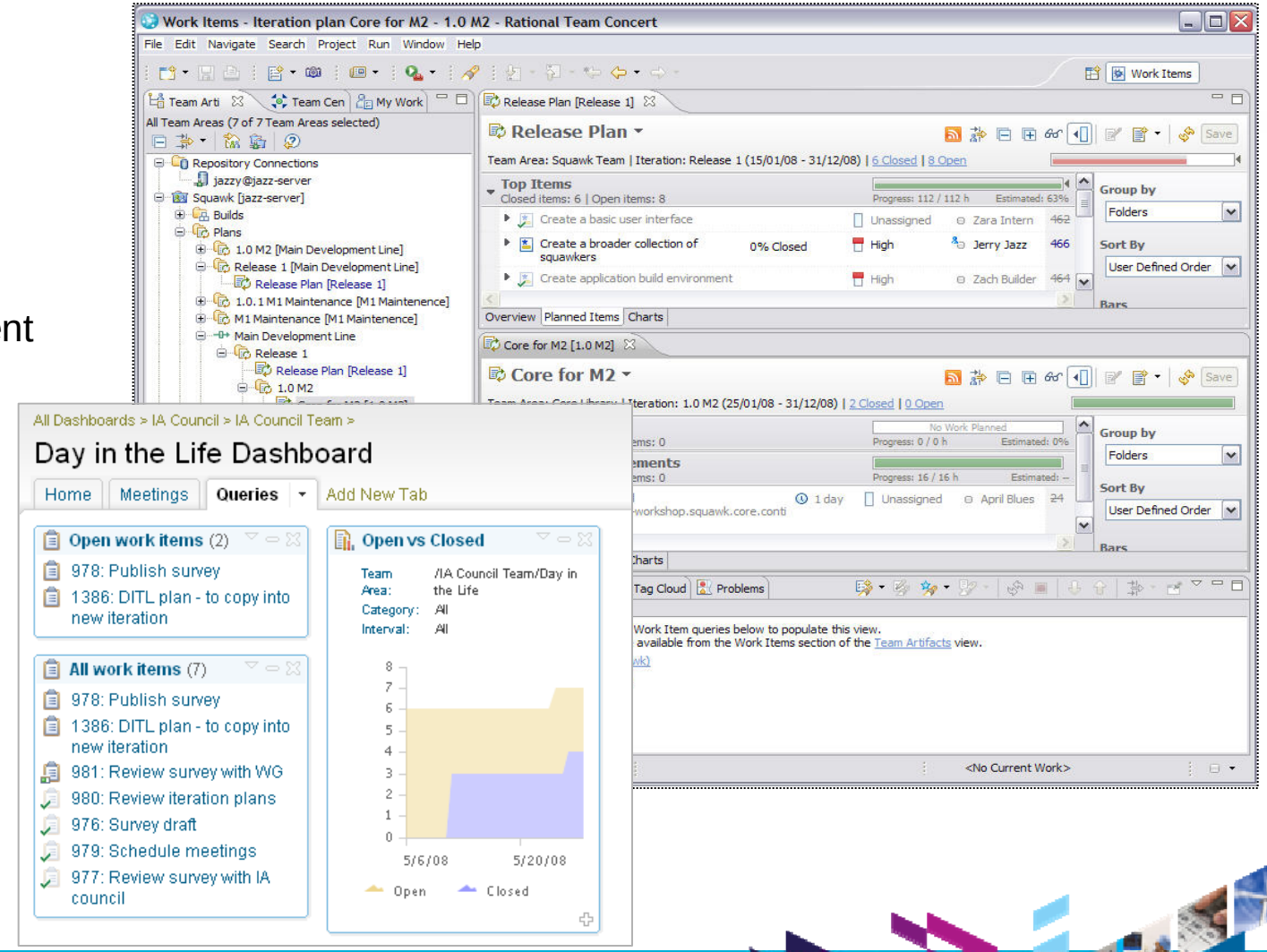
JAZZ TEAM SERVER

Whole team

- Team collaboration
- Customer involvement
- Self organization
- Transparency

Rational Team Concert

- Collaboration tool that provides
  - Agile planning
  - Source code management
  - Work item management
  - Build management
  - Project health
  - Integrated reporting
  - Process support



Adding value to process definition

- **Rational Method Composer** adds the following to a **Rational Team Concert** project
  - **Values**, **principles**, and **practices** the development team agreed upon
  - **Core concepts** that the needs to understand for a given practice
  - **Standard tasks** and **guidelines** of the practices, what **artifacts** do they need
  - Reoccurring **tasks** (when and why)
  - **Responsibilities** of roles for artifacts
  - **Artifacts** and **deliverables** of different teams
  - **Templates**, quality and review criteria for artifacts
  - **Project lifecycle** organization
  - Criteria for **milestones**
  - Using the **development tools** for the practices

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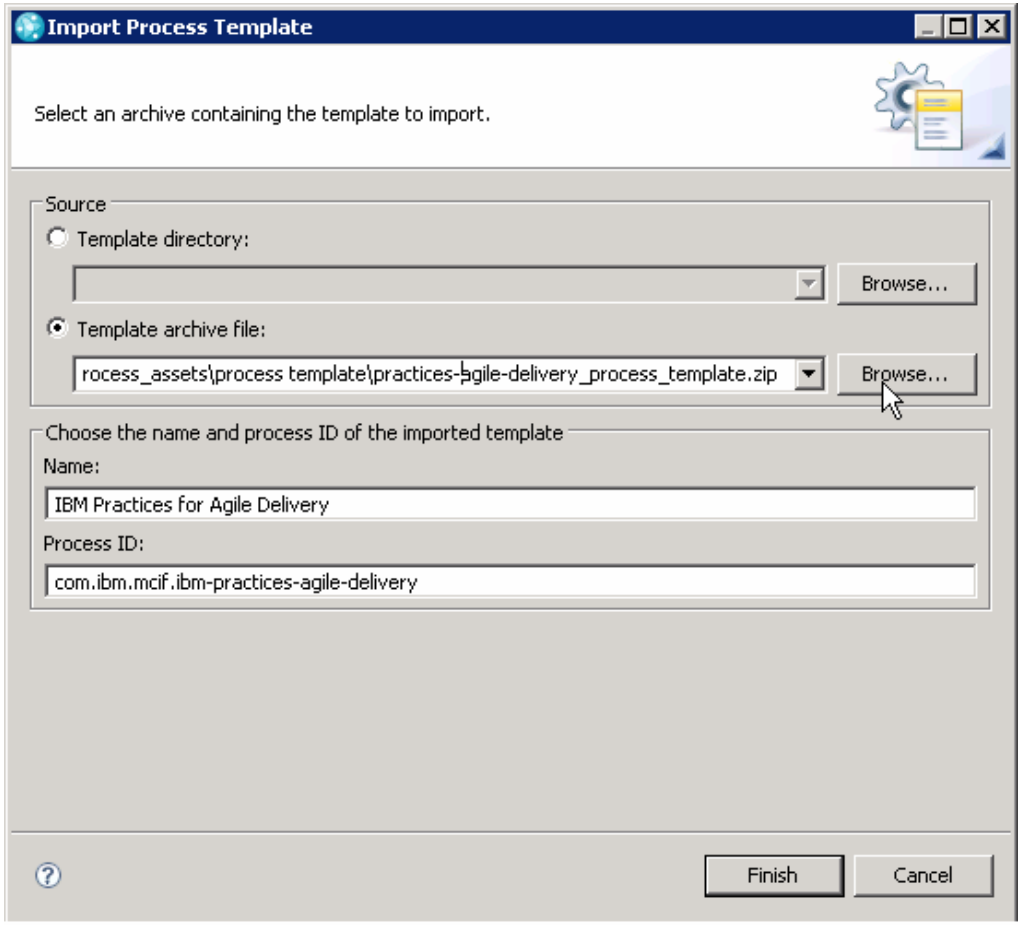
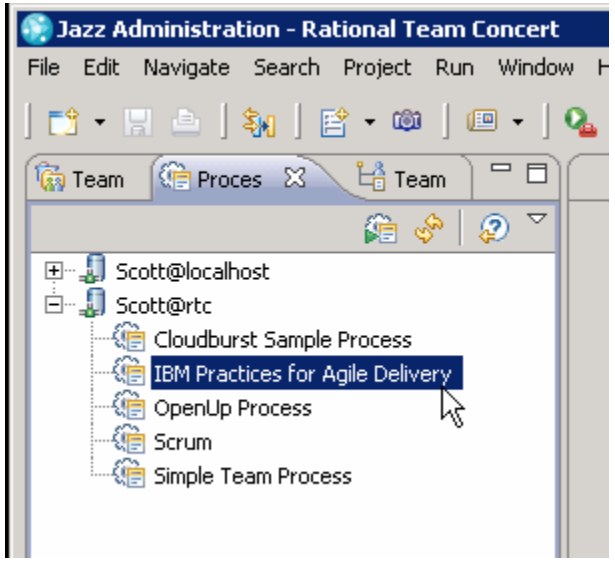
Importing the process template

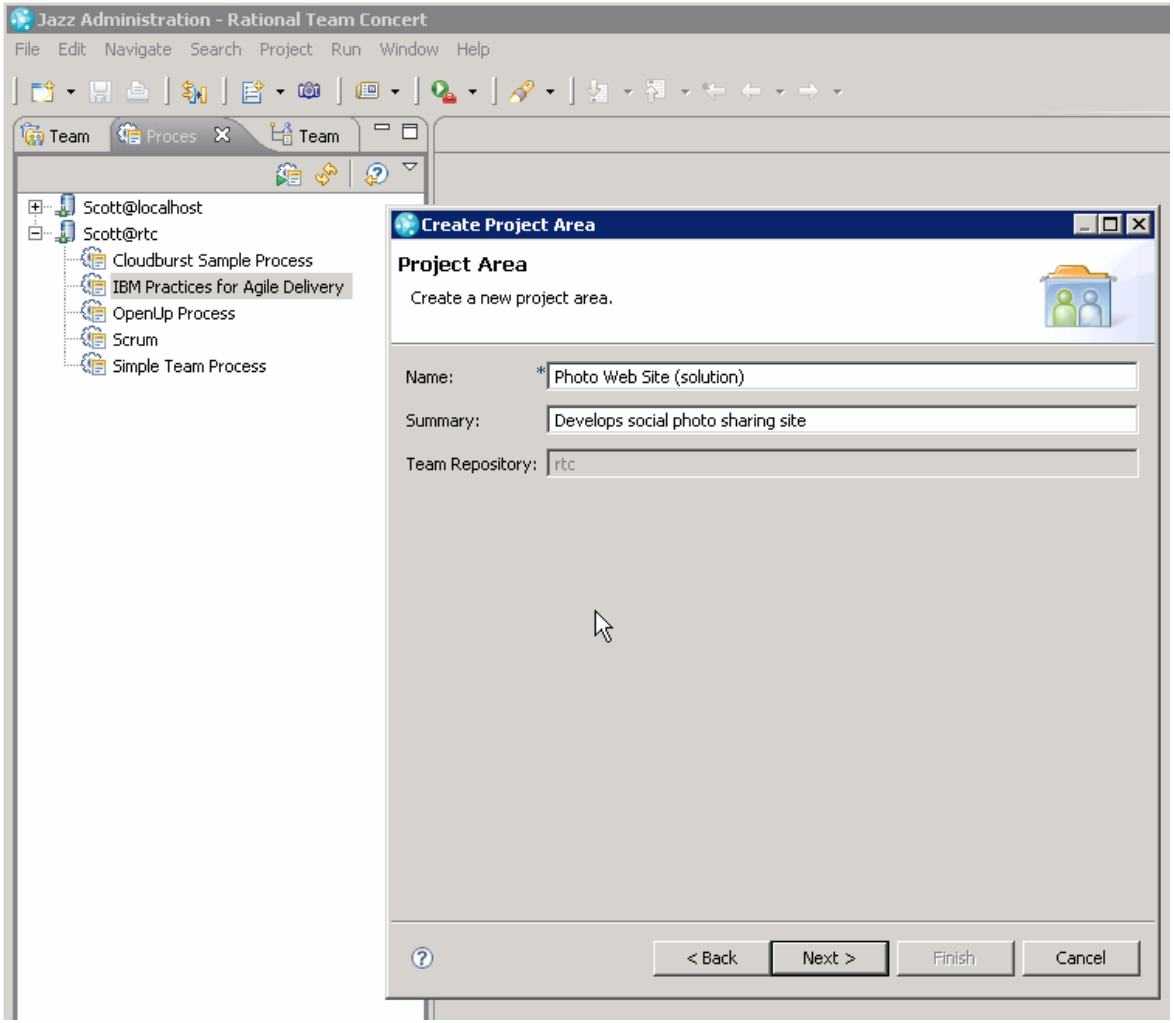
- Import the “practices-agile-delivery_process_template” file
- The process template becomes available in the templates list





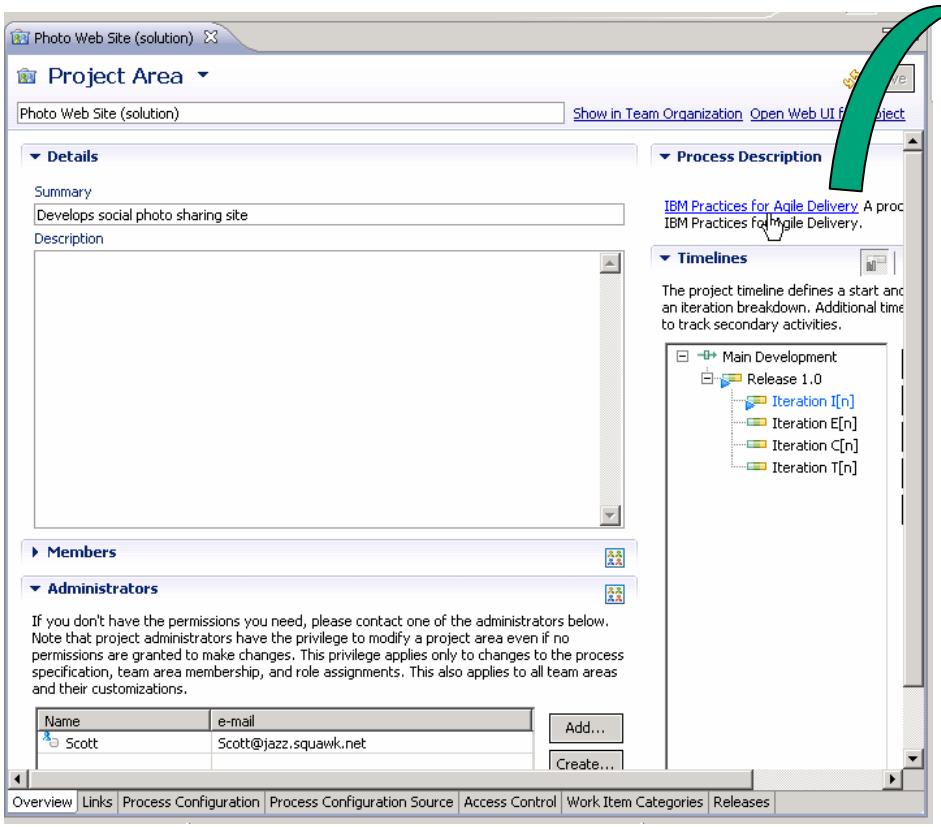
Creating a project area in Rational Team Concert

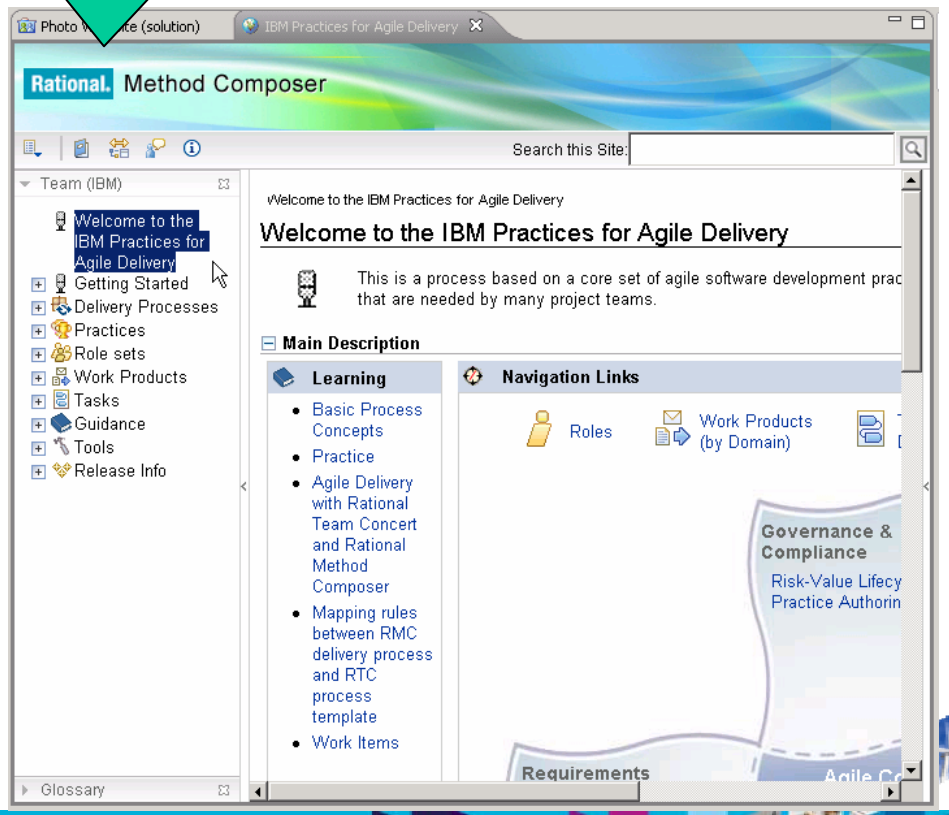
- When you create a new project in Rational Team Concert, select the desired process template



Connecting the process site to your project area

- Deploy the process site (for example) to your Rational Team Concert server
- Access the process site in the **Overview** page, **Process Description** section





Rational Team Concert – Setting up the project area

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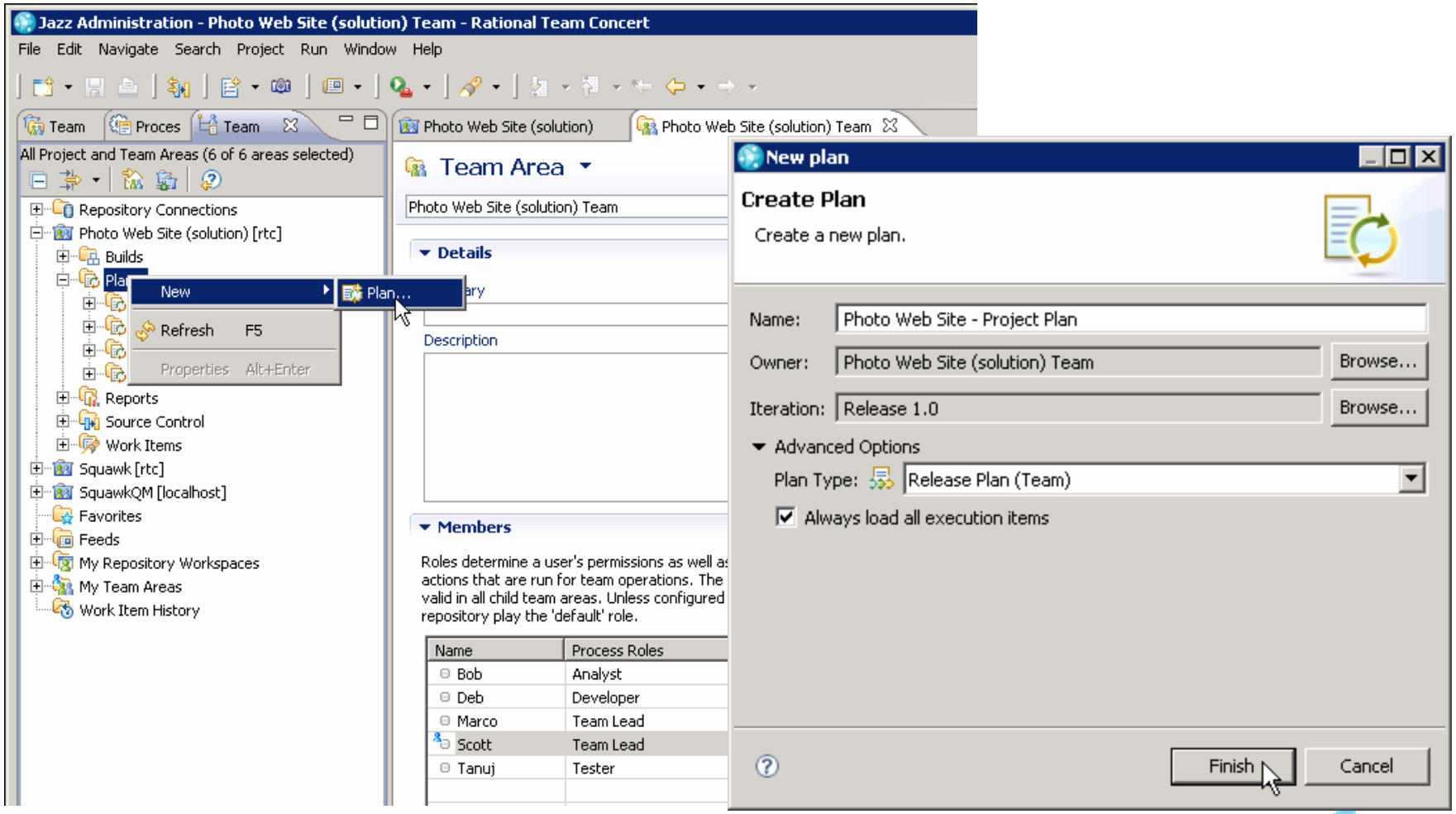
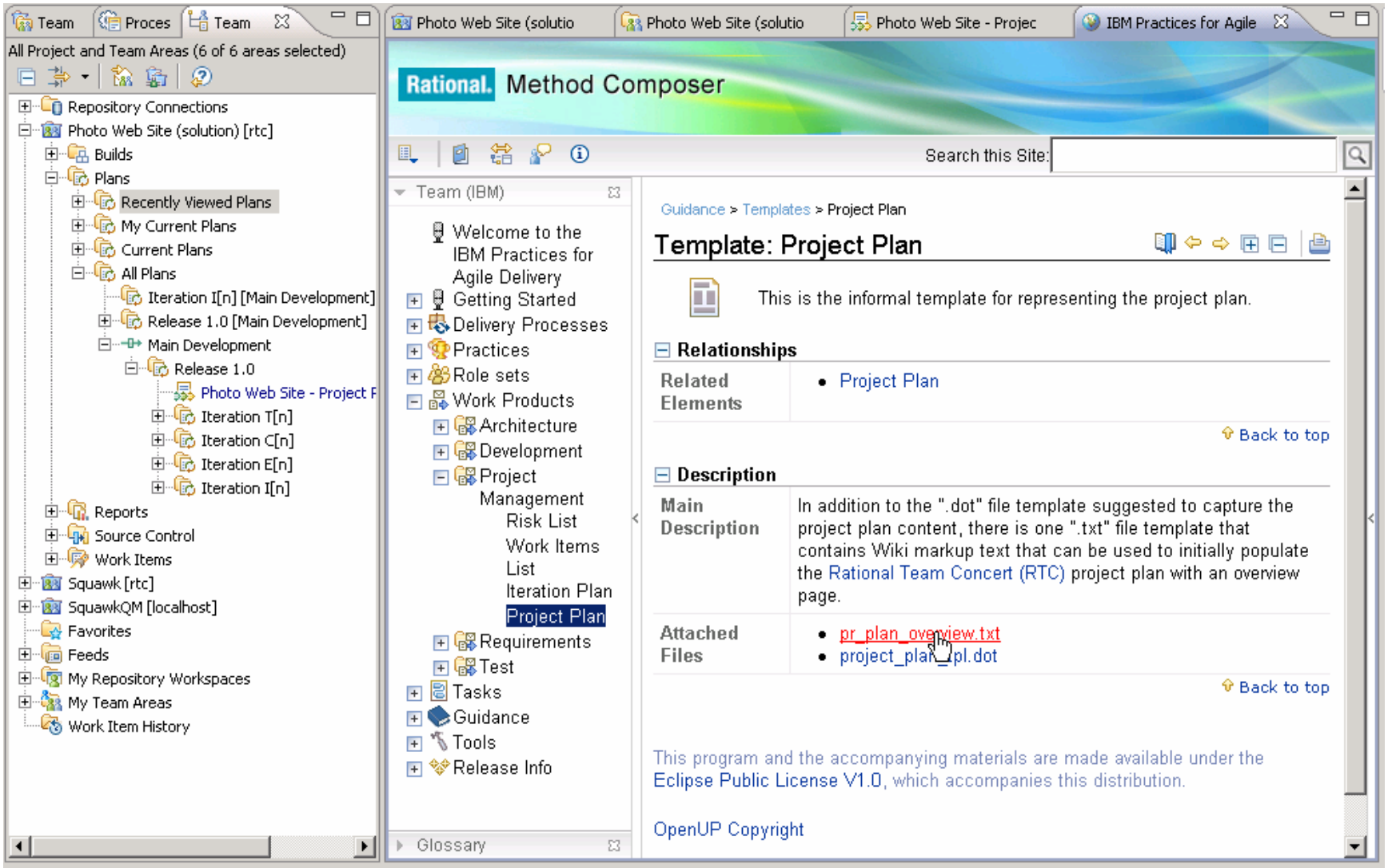
Creating a Plan

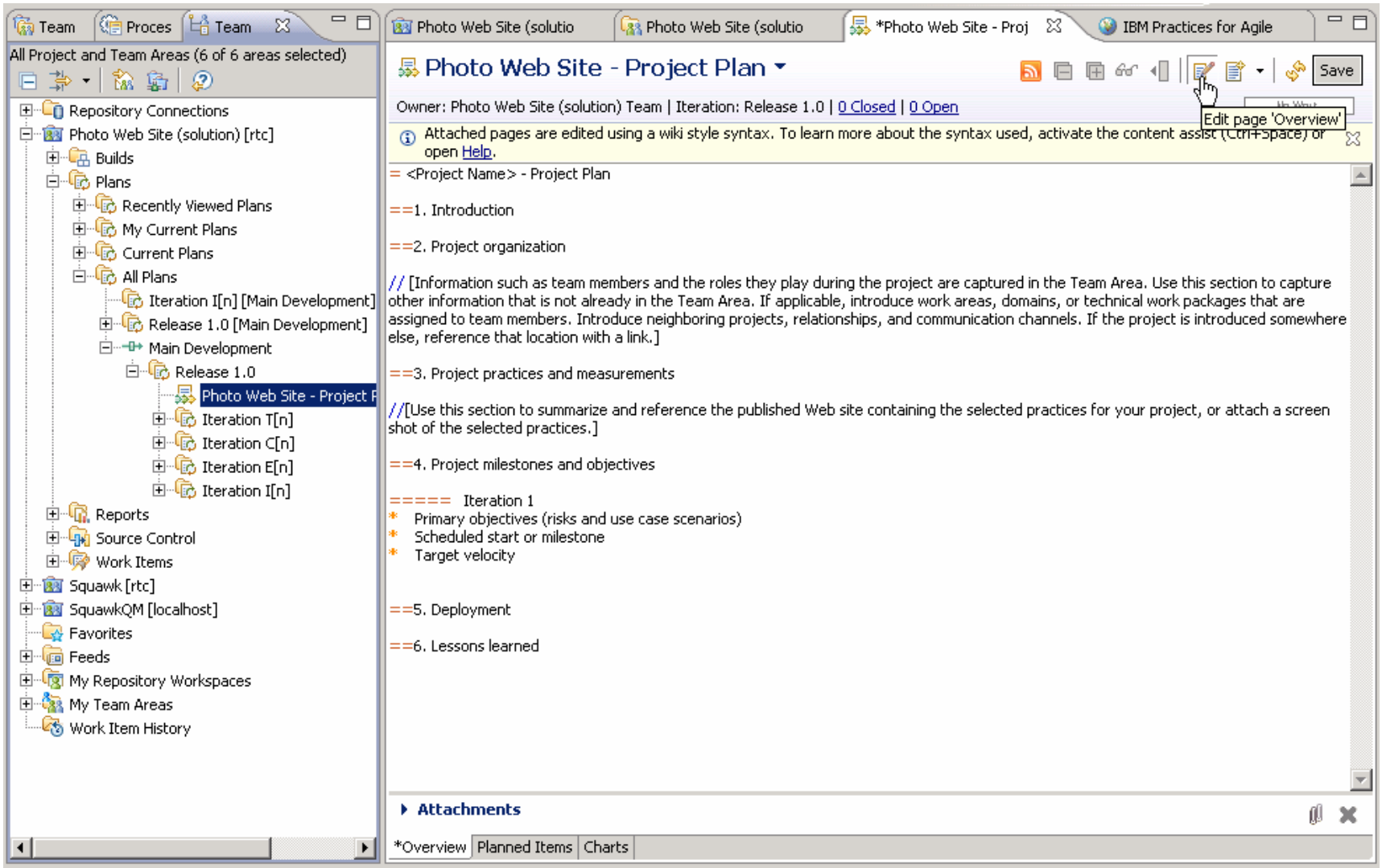
- Use the **Team Artifacts** view to create a Project (or Release) Plan



Using templates from your process guidance

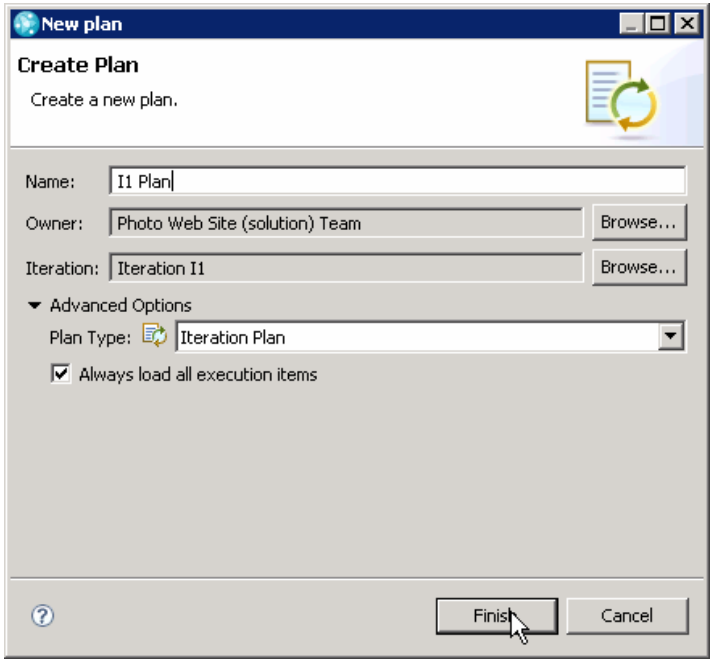


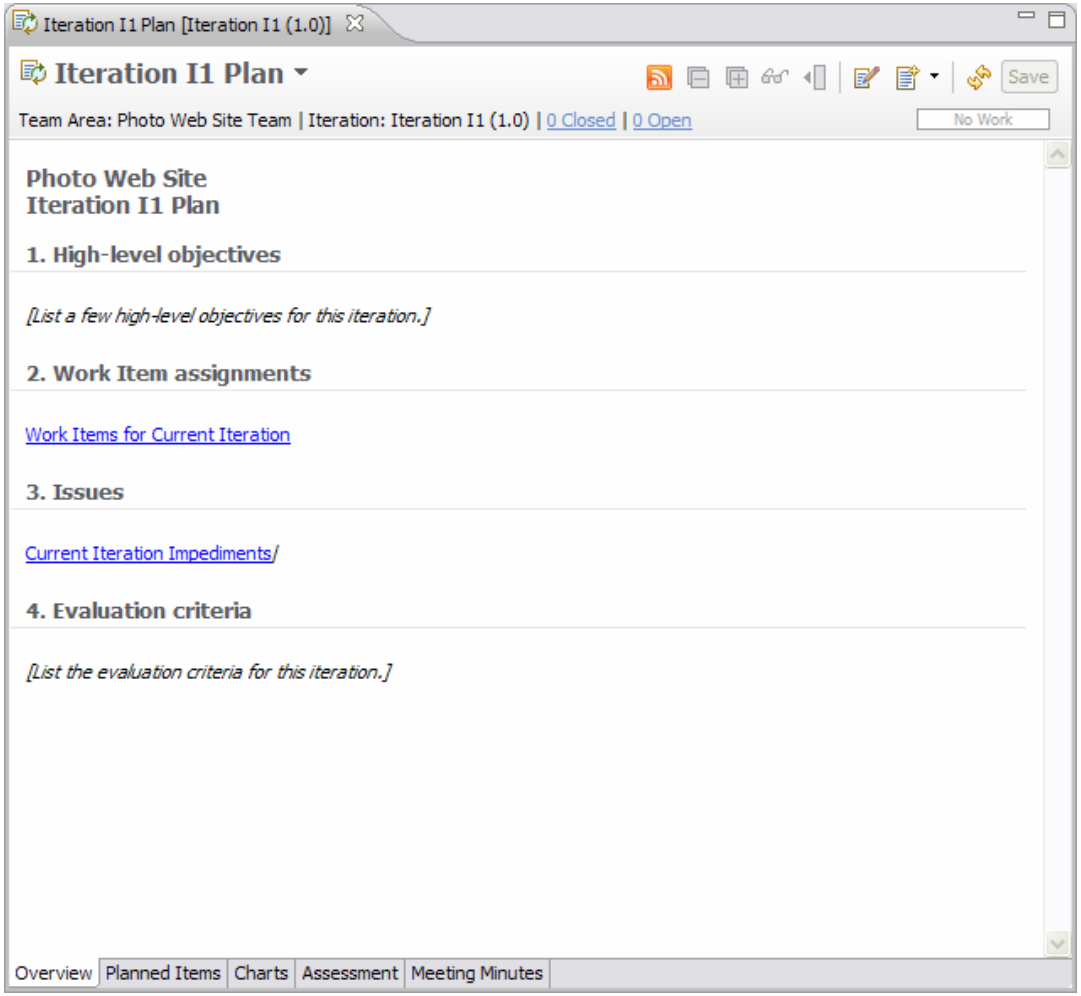
Pasting the template into the plan



Creating an iteration plan

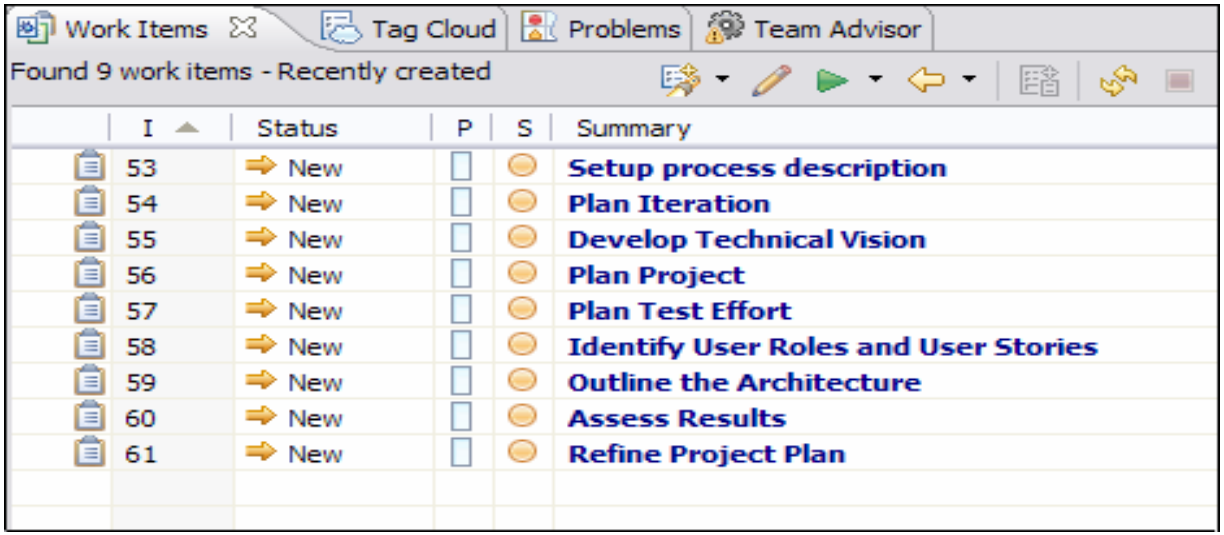
- Create your first iteration plan for an **Inception** iteration
- Find and apply the iteration plan template from the process guidance site





Populating plan with work items (1 of 2)

- Locate set of initial tasks automatically created for first Inception iteration
  - Run a query such as “Recently Created” to see the tasks in the **Work Items** tab
- Select tasks and drag and drop them into the **Planned Items** page of your iteration plan (see next slide)



I	Status	P	S	Summary
53	New			Setup process description
54	New			Plan Iteration
55	New			Develop Technical Vision
56	New			Plan Project
57	New			Plan Test Effort
58	New			Identify User Roles and User Stories
59	New			Outline the Architecture
60	New			Assess Results
61	New			Refine Project Plan

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Customizing your delivery process

- Add a practice to the configuration
- Extend the agile delivery process with new tasks
- Export activities and tasks
- Incorporate them into Rational Team Concert

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Futures

- Rational Team Concert “Next”
  - Planning to include Jazz Team Practices capability
    - Allows team members to do simple editing of practices
    - Start at long term vision – method authoring on Jazz
- Longer term
  - Planning to support Collaborative process definition / enactment on the Jazz platform

Resources

- Find out more about Rational Method Composer, download trial
  http://ibm.com/rational/rmc
- Article: Agile practices enactment with Rational Team Concert and Rational Method Composer
  - http://jazz.net/library/article/410 (includes link to Rational Method Composer plug-in)
- IBM Practices for Agile Delivery - Download of process template, process description, and article
  - http://www.ibm.com/support/docview.wss?uid=swg24025896
- Additional downloadable practices
  - http://www.ibm.com/support/docview.wss?uid=swg24024567
- Rational Method Composer online help
  - http://publib.boulder.ibm.com/infocenter/rmc/v7r5m0/index.jsp
- Rational Team Concert online help
  - http://publib.boulder.ibm.com/infocenter/rtc/v2r0m0/index.jsp
- Rational Method Composer and Rational Team Concert integration
  - http://jazz.net/projects/rational-team-concert/integrations/proj-mgmt#rmc

Questions

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