IBM Innovate 2010

Drinking our own Champagne

Jazz开发团队如何使用Jazz工具

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Innovate2010
The Rational Software Conference

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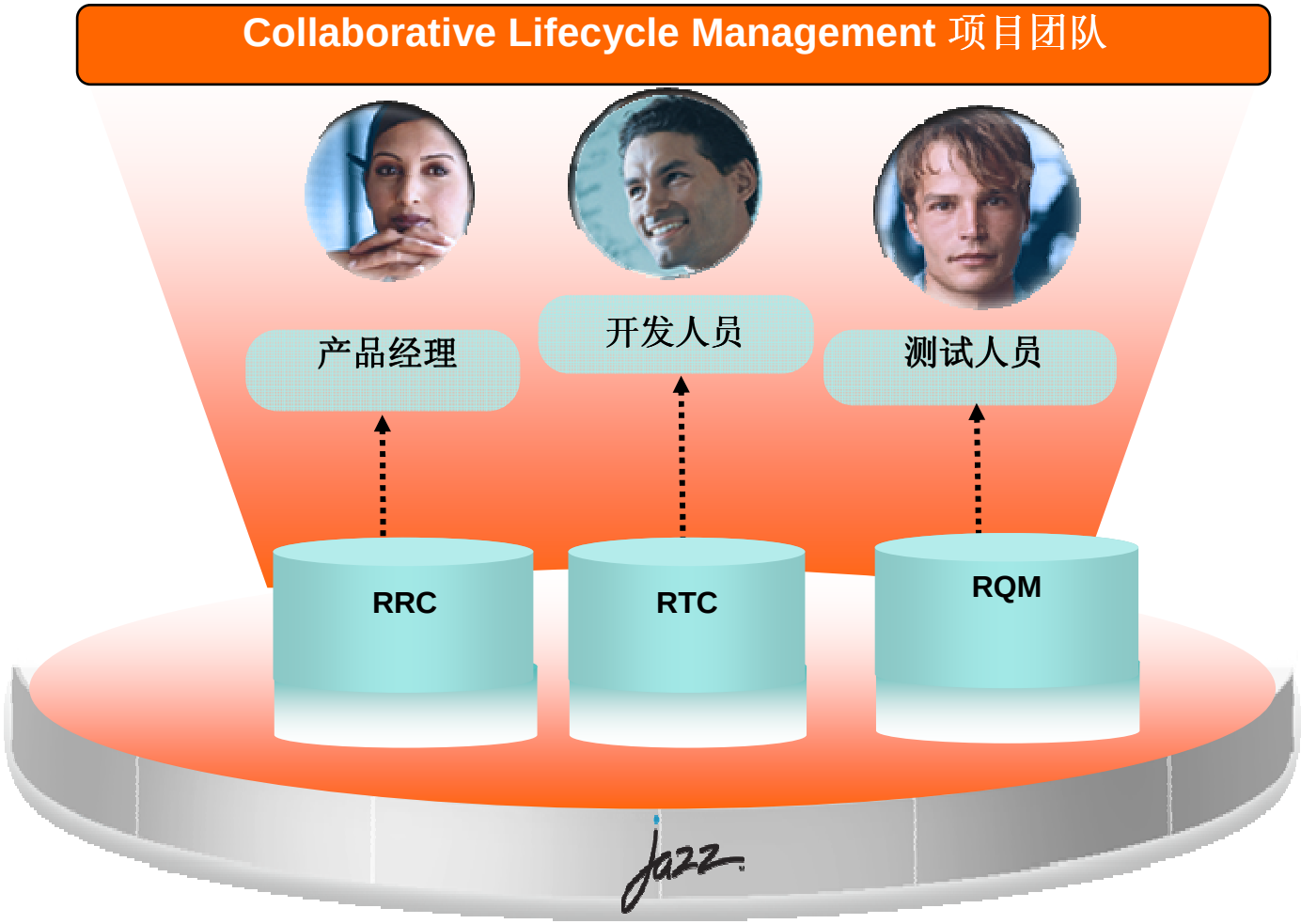
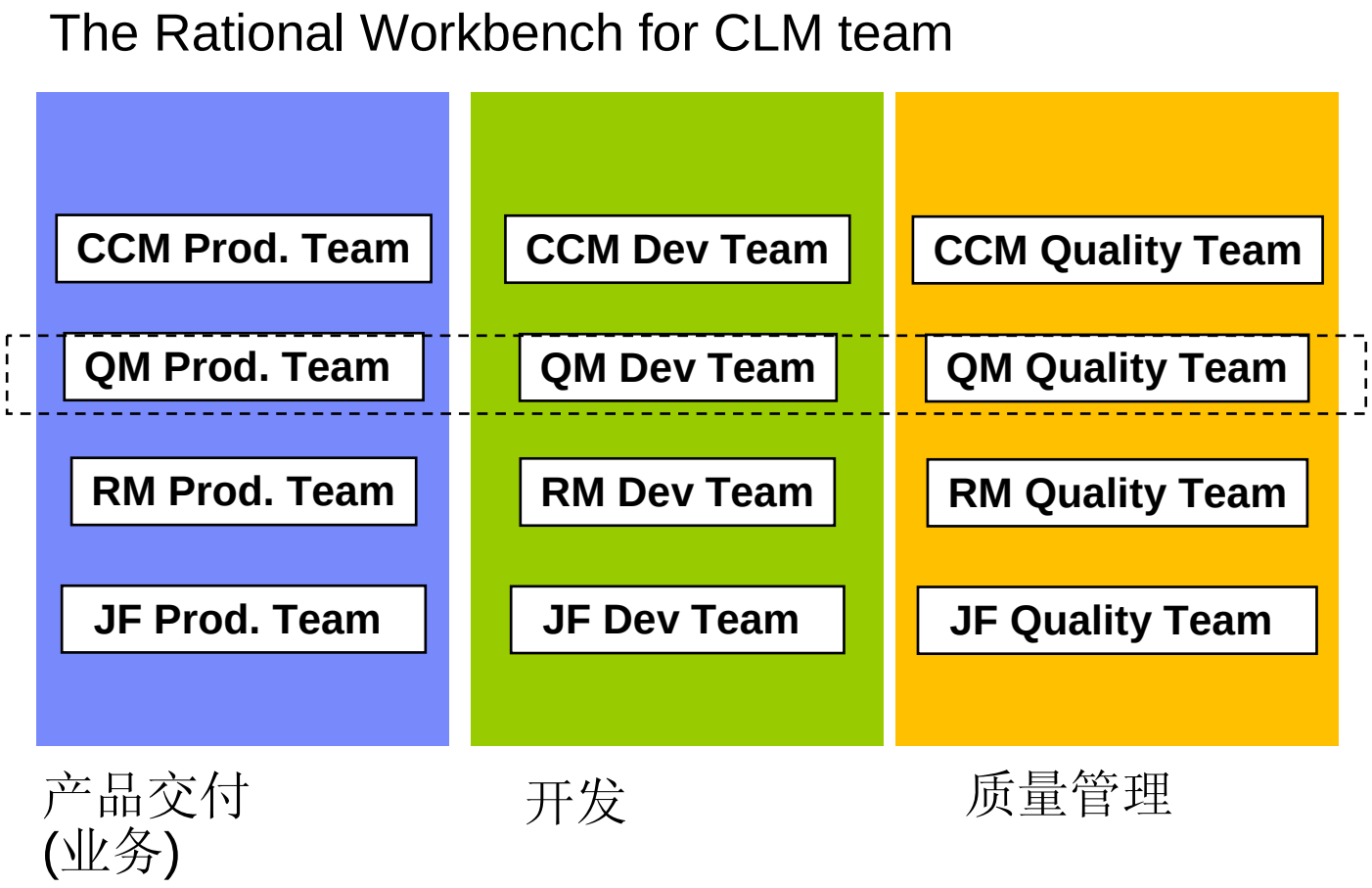
我们如何让我们的业务团队、开发团队及测试团队步调一致



全球分布的 Jazz 开发团队

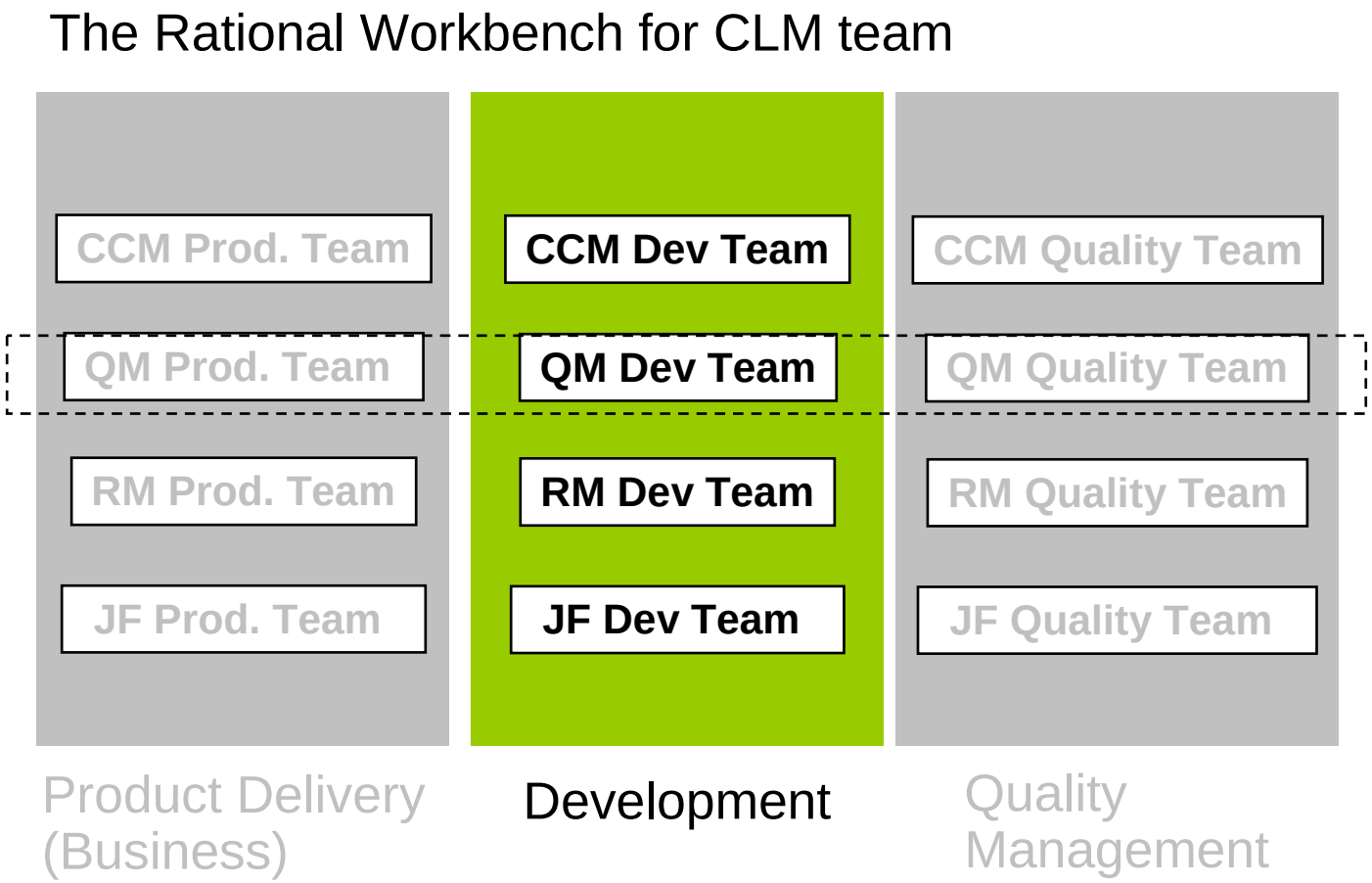
我们的组织结构


The Rational Workbench for CLM team
CCM Prod. Team
QM Prod. Team
RM Prod. Team
JF Prod. Team
CCM Dev Team
QM Dev Team
RM Dev Team
JF Dev Team
CCM Quality Team
QM Quality Team
RM Quality Team
JF Quality Team
产品交付
(业务)
开发
质量管理

历史轨迹: 我们自己的开发方式发展路线

- 单一的**RTC**项目
  - 管理开发项目: defects, tasks, plans, scm, build
- 在一个RTC服务器上管理多个RTC项目
  - 工件的链接, 跨项目的仪表盘跟踪项目间的关联
- 在多个RTC服务器上管理多个RTC项目
  - 跨越服务器的工件的链接
  - 跨越服务器的跨项目仪表盘
- 配置**RTC**与**RQM**的连接，将测试团队的工作也协同进来
- 配置**RTC**、**RQM**与**RRC**的连接，将业务部门的工作也协同进来

深入了解开发过程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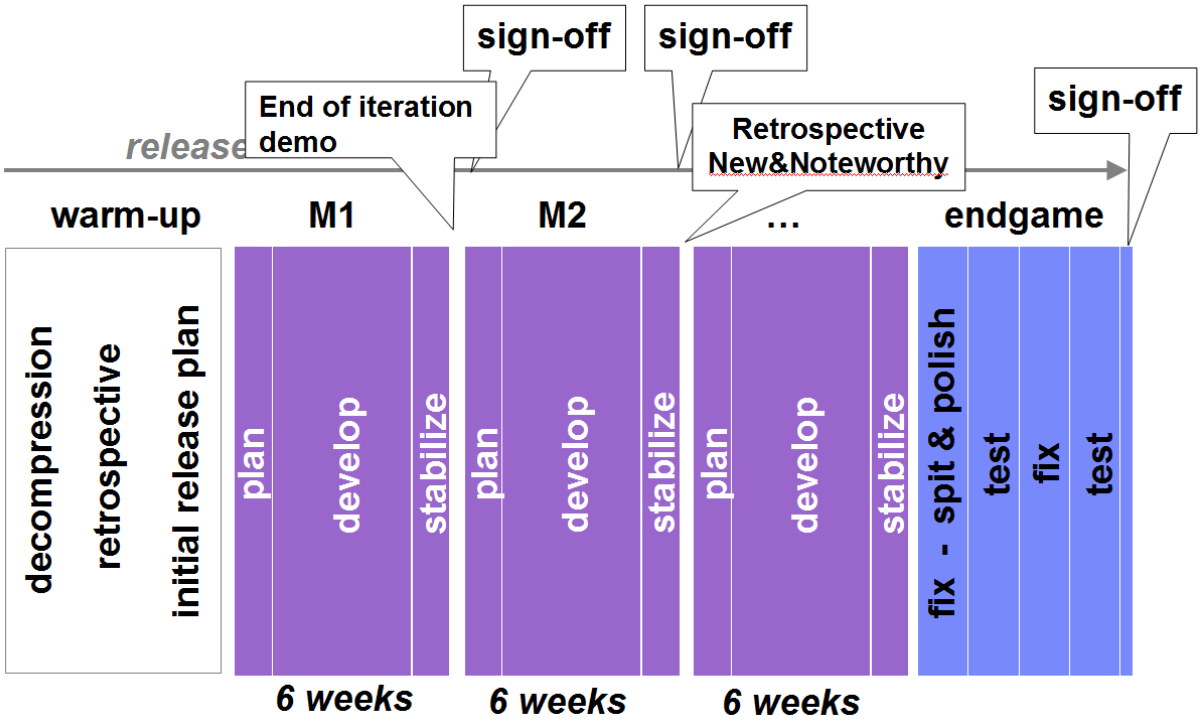
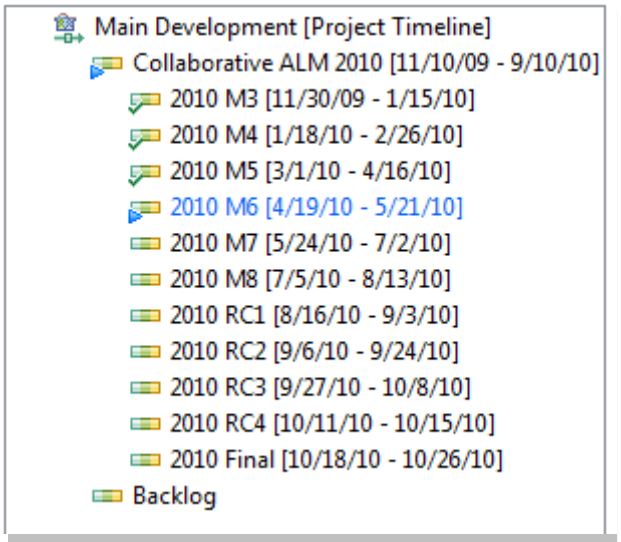
Product Delivery (Business)
Development
Quality Management

节奏

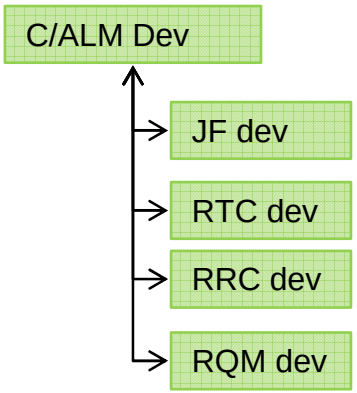
- 跨越不同产品协调一致的里程碑计划





开发项目之间的关联

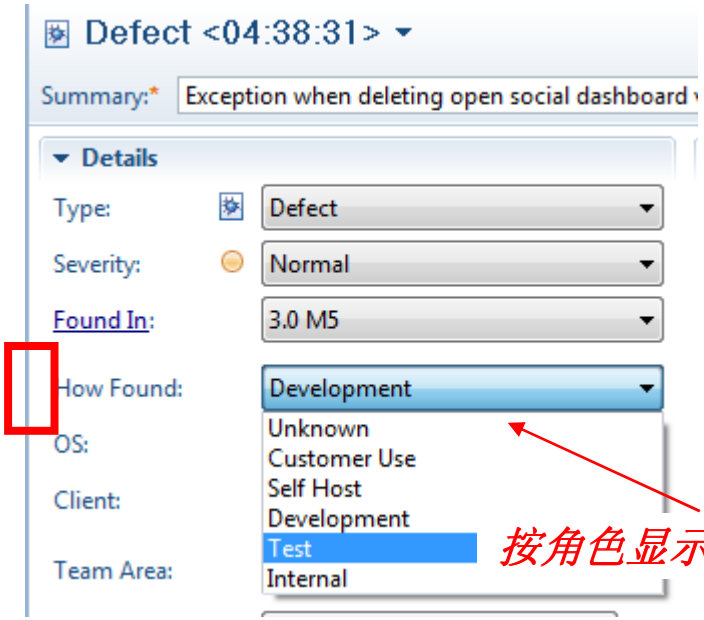
- 我们采用了多个RTC的服务器
  - 不同的服务器方便团队自我管理

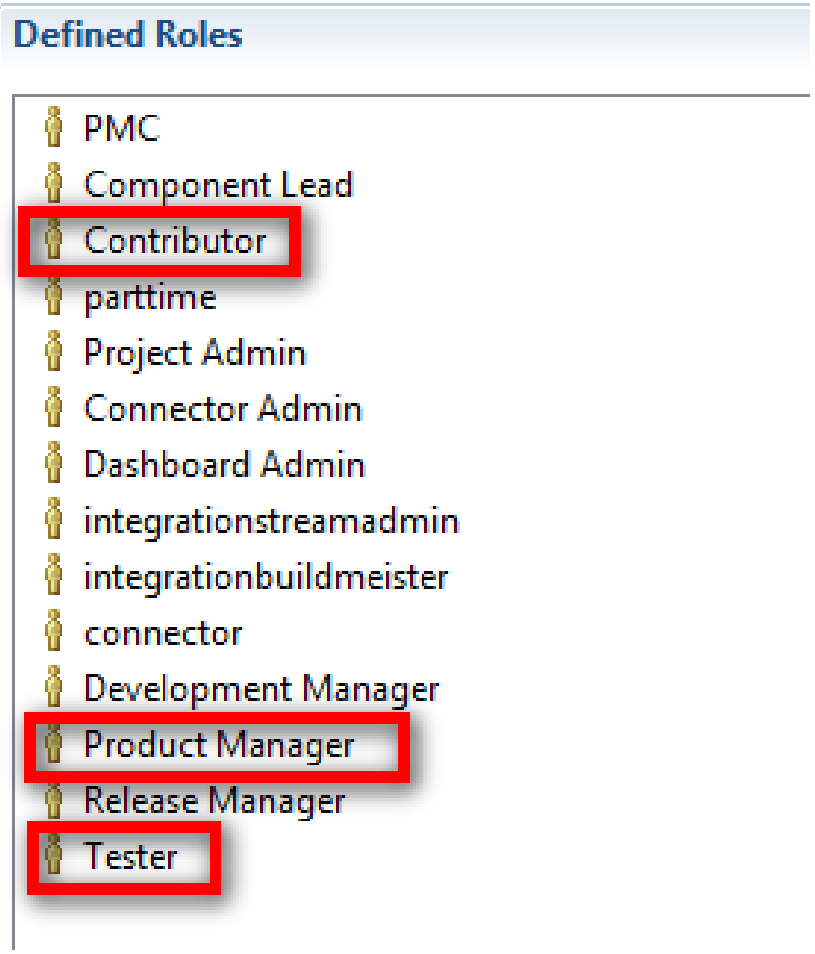


- C/ALM 在 Rational's CLM workbench上协调跨不同产品的项目

角色: 我们象一个整体团队一样工作

- 测试人员及产品经理都是开发团队内的一种角色
  - Tasks for everyone…

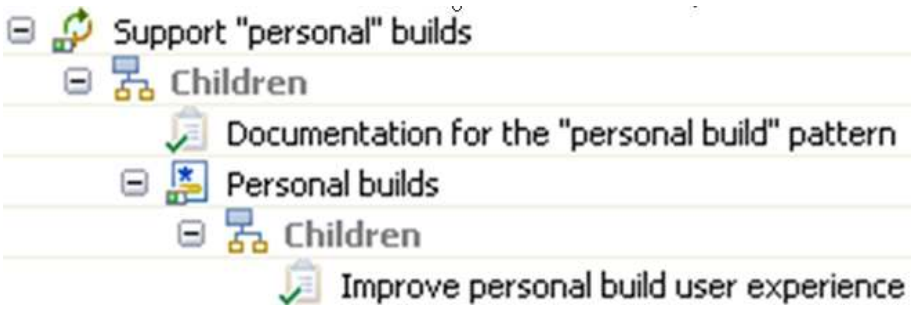




按角色显示不同列表内容

工作项类型

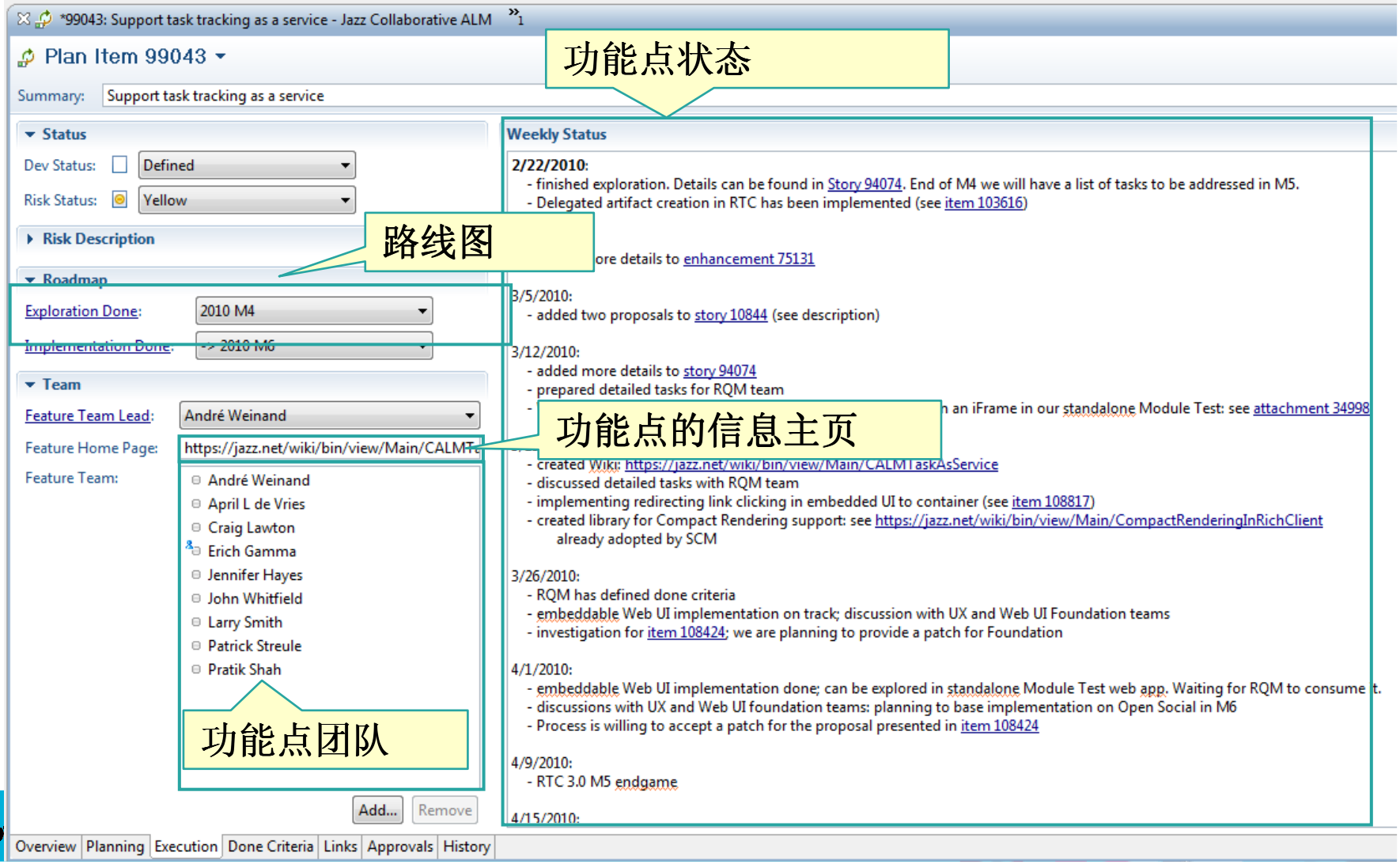
- 计划、故事、任务
- 跟踪
  - 构建的状态
- 缺陷
- 产品增强
- 迭代回顾



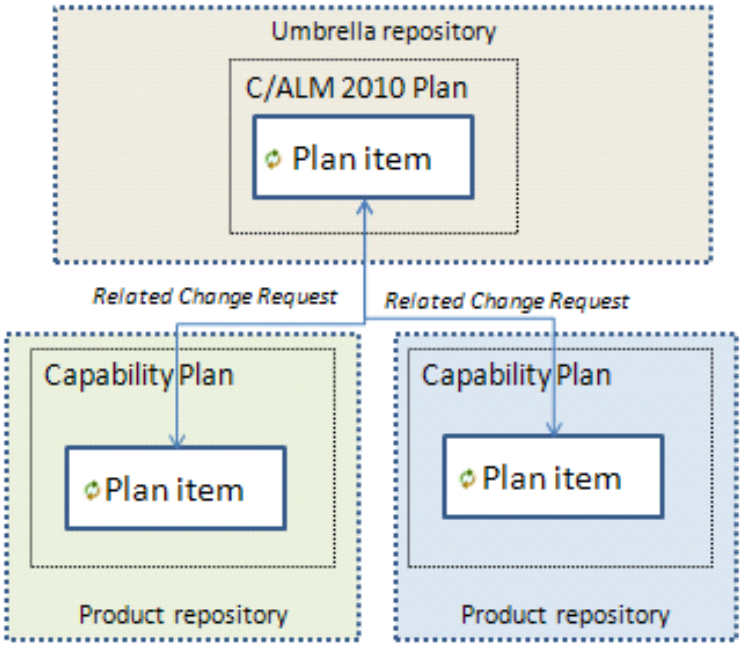
- Defect
- Task
- Enhancement
- RFS
- Plan Item
- Track Build Item
- Retrospective
- Story
- Adoption Item

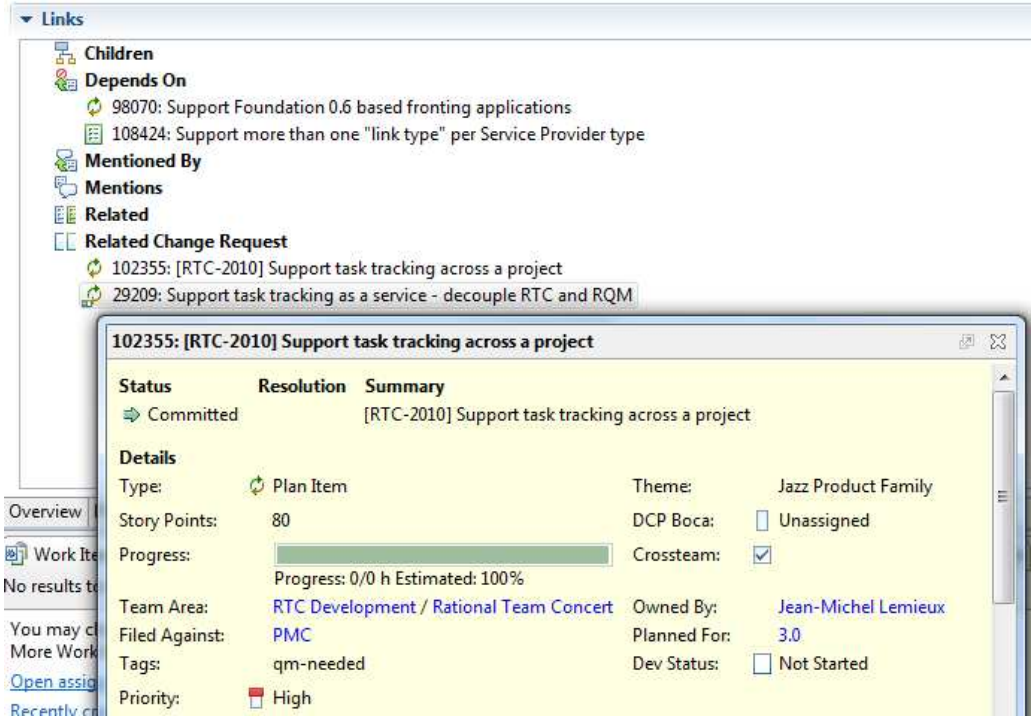
计划与执行：功能点团队

跨越组件的功能点团队共有一个计划项



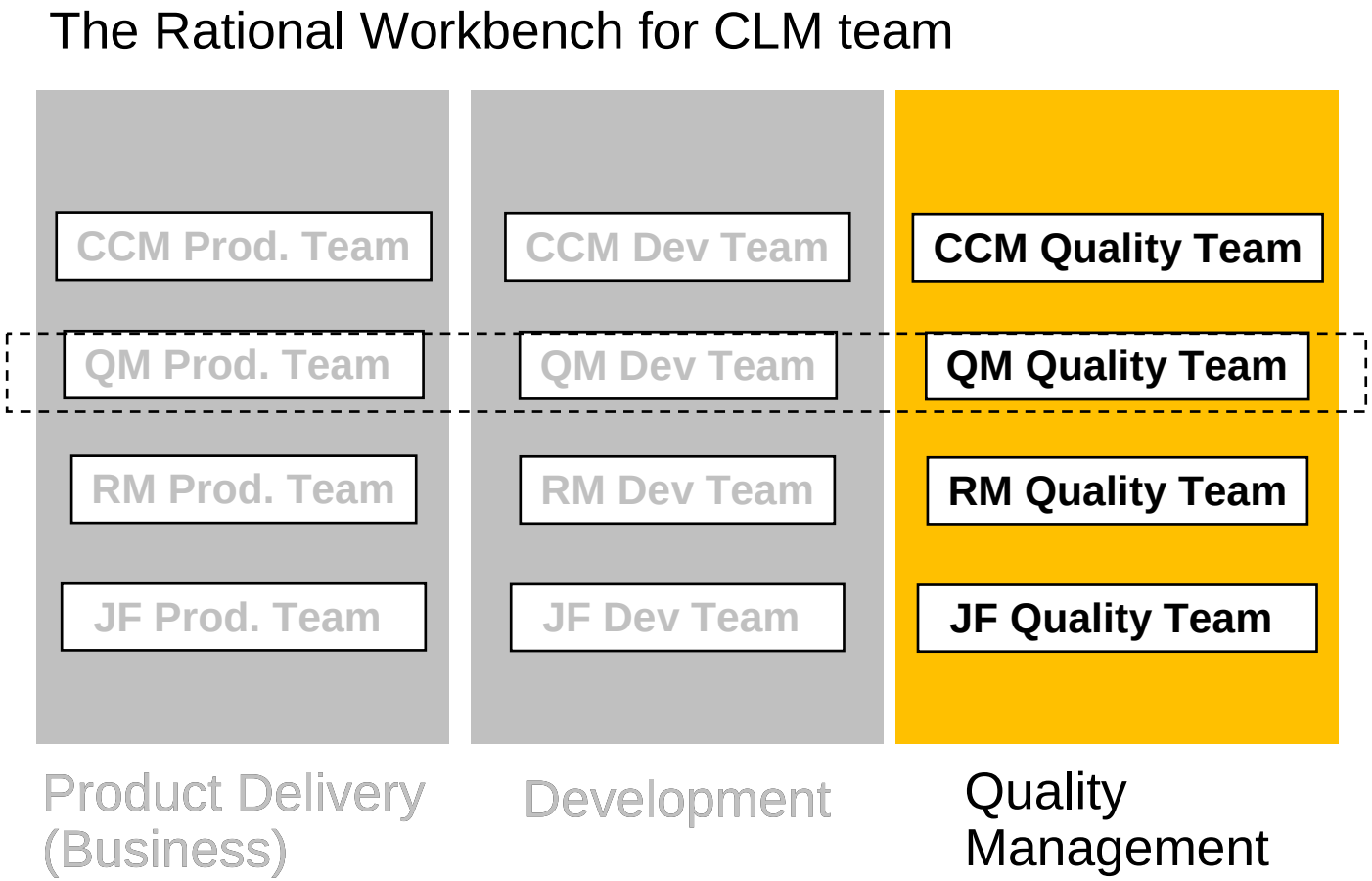
跨越产品及RTC服务器的计划制定





- 链接到 OSLC变更请求, 本例中是远程RTC服务器上的一个工作项

深入了解测试过程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项目中的测试链接信息

Jazz Foundation

Project Relationships:
- related to Jazz Collaborative ALM
- related to JazzCS
- related to Rational Quality Manager
- related to Rational Requirements Composer
- related to Rational Team Concert
- related to Rational Team Concert for System z
- tested by SVT_RRC
- tested by SVT_RTC

Rational Team Concert

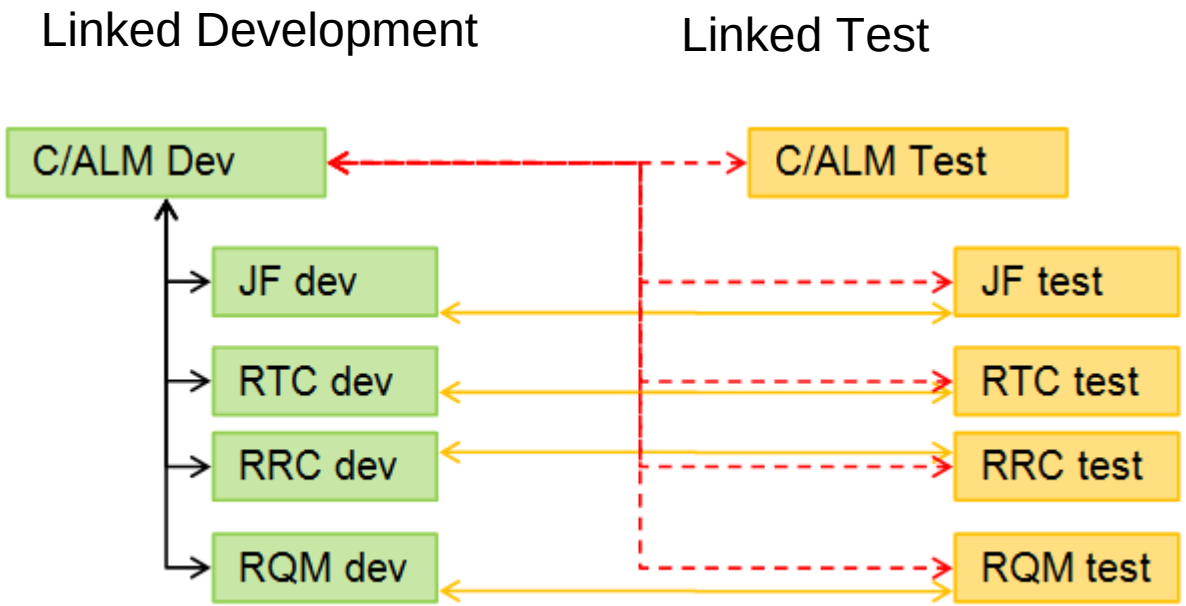
Project Relationships:
- related to Jazz Collaborative ALM
- related to Jazz Foundation
- related to JazzCS
- related to Rational Quality Manager
- related to Rational Requirements Composer
- tested by SVT_RTC

Rational Requirements Composer

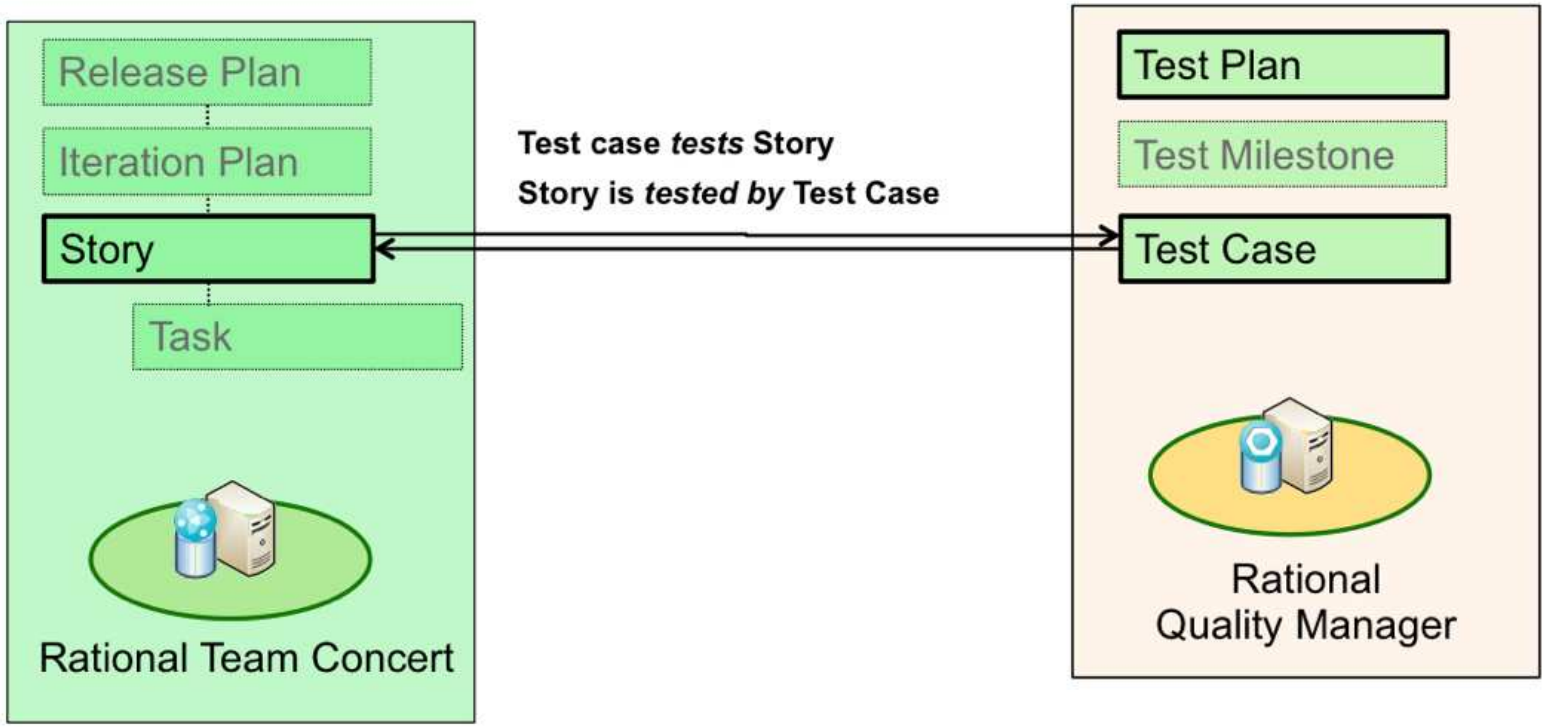
Project Relationships:
- related to Jazz Collaborative ALM
- related to Jazz Foundation
- related to JazzCS
- related to Rational Quality Manager
- related to Rational Team Concert
- tested by SVT_RRC

Rational Quality Manager

Project Relationships:
- related to Jazz Collaborative ALM
- related to Jazz Foundation
- implements RQM
- implements RQM 3.0
- related to Rational Requirements Composer
- related to Rational Team Concert
- tested by SVT_CC_CQ
- tested by SVT_CC_CQ
- tested by SVT_RQM
- tested by SVT_RTC

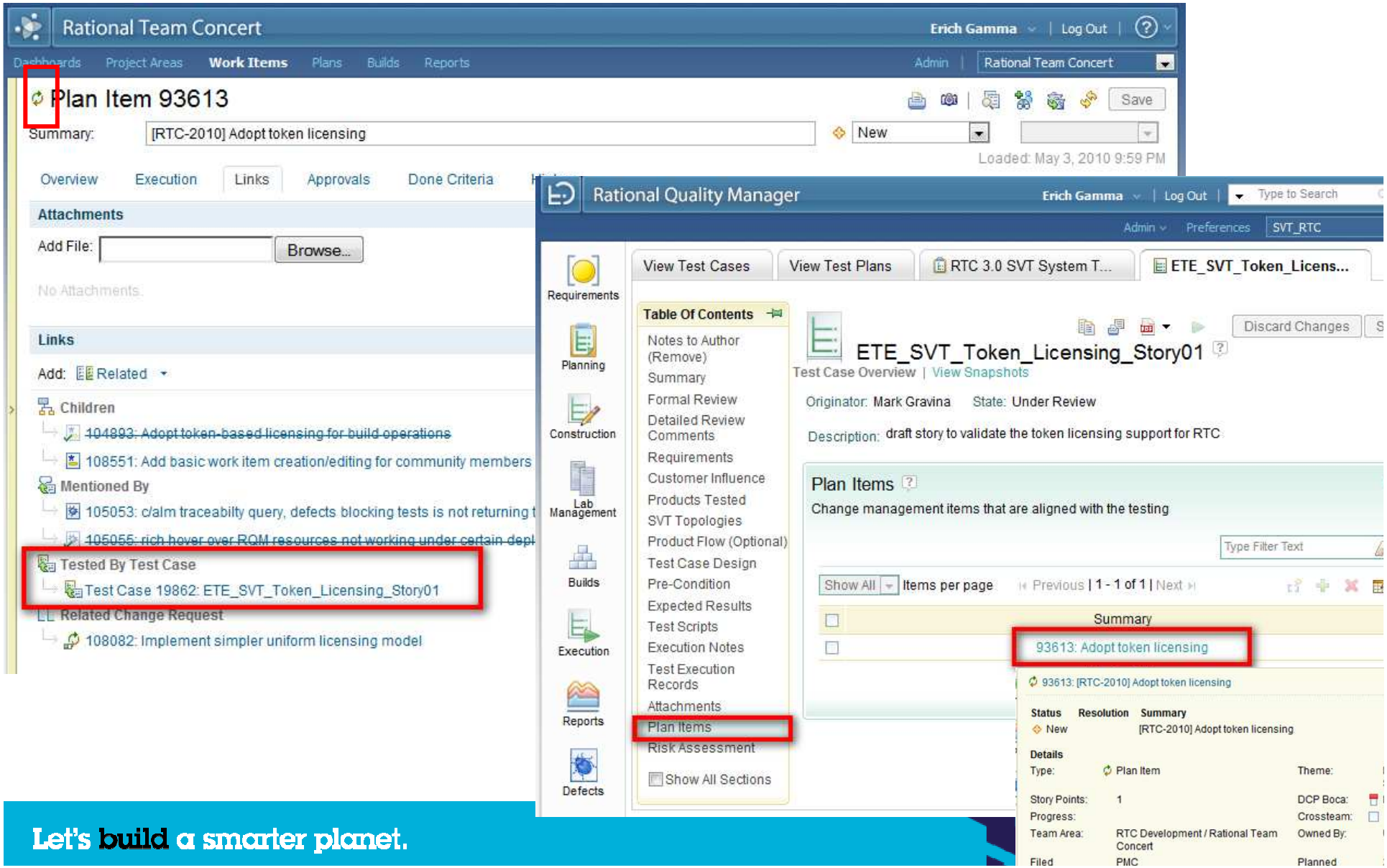


测试覆盖率: 计划项与测试用例之间的关联

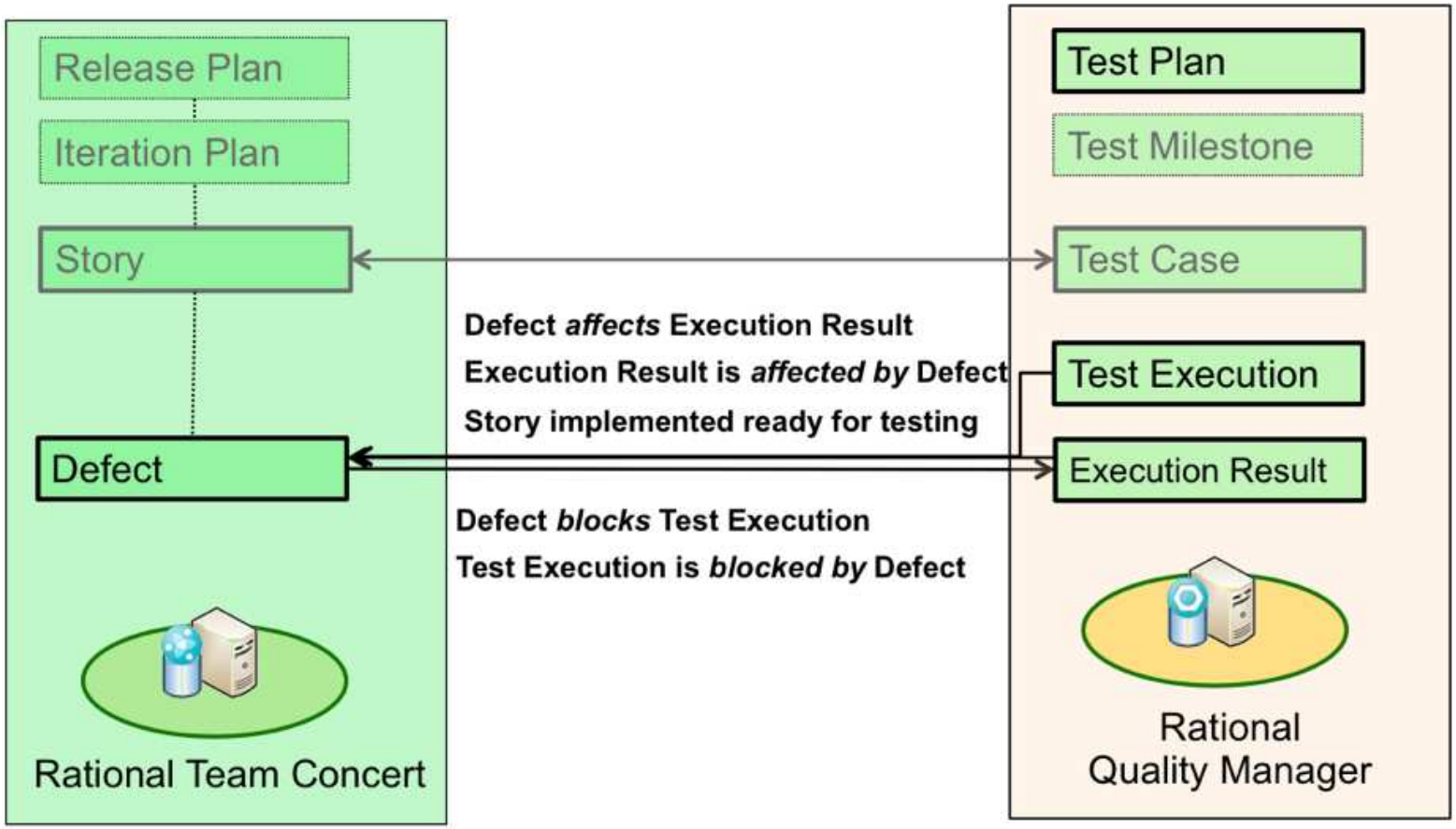


- 计划项类型根据流程模板来定义

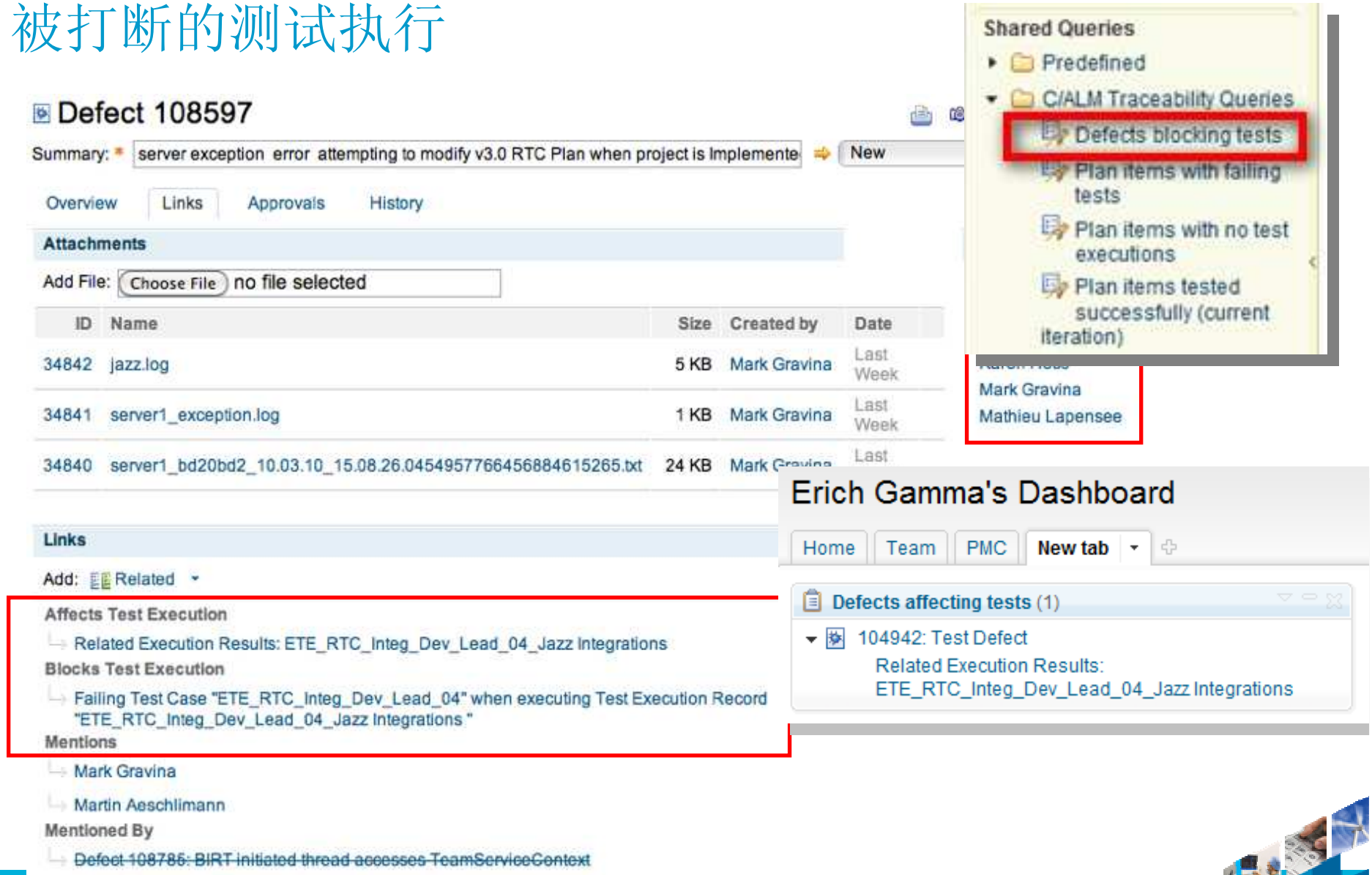
跟踪关系的链接展现


Rational Team Concert
Erich Gamma | Log Out
Dashboards Project Areas Work Items Plans Builds Reports Admin Rational Team Concert
Plan Item 93613
Save
Summary: [RTC-2010] Adopt token licensing
New
Loaded: May 3, 2010 9:59 PM
Overview Execution Links Approvals Done Criteria
Attachments
Add File: Browse...
No Attachments.
Links
Add: Related
Children
104893: Adopt token-based licensing for build operations
108551: Add basic work item creation/editing for community members
Mentioned By
105053: c/alm traceabilty query, defects blocking tests is not returning t
105055: rich hover over RQM resources not working under certain depl
Tested By Test Case
Test Case 19862: ETE_SVT_Token_Licensing_Story01
Related Change Request
108082: Implement simpler uniform licensing model
Rational Quality Manager
Erich Gamma | Log Out
Type to Search
Admin Preferences SVT_RTC
Requirements
Planning
Construction
Lab Management
Builds
Execution
Reports
Defects
View Test Cases
View Test Plans
RTC 3.0 SVT System T...
ETE_SVT_Token_Licens...
Table Of Contents
Notes to Author (Remove)
Summary
Formal Review
Detailed Review Comments
Requirements
Customer Influence
Products Tested
SVT Topologies
Product Flow (Optional)
Test Case Design
Pre-Condition
Expected Results
Test Scripts
Execution Notes
Test Execution Records
Attachments
Plan Items
Risk Assessment
Show All Sections
Discard Changes
ETE_SVT_Token_Licensing_Story01
Test Case Overview | View Snapshots
Originator: Mark Gravina State: Under Review
Description: draft story to validate the token licensing support for RTC
Plan Items
Change management items that are aligned with the testing
Type Filter Text
Show All Items per page Previous | 1 - 1 of 1 | Next
Summary
93613: Adopt token licensing
93613: [RTC-2010] Adopt token licensing
Status Resolution Summary
New [RTC-2010] Adopt token licensing
Details
Type: Plan Item Theme:
Story Points: 1 DCP Boca:
Progress: Crossteam:
Team Area: RTC Development / Rational Team Concert Owned By:
Filed PMC Planned

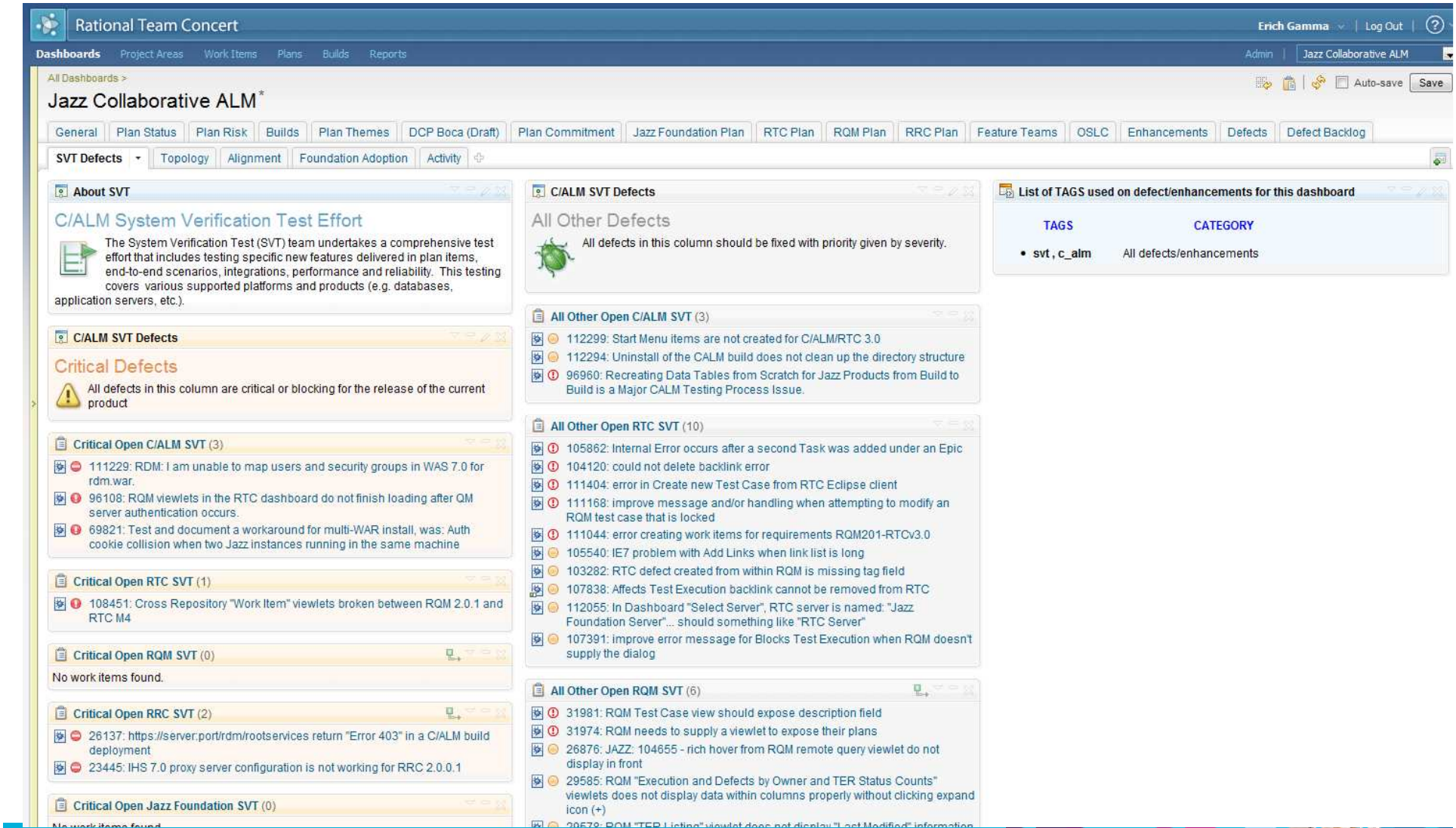
开发工件与测试工件之间的关系



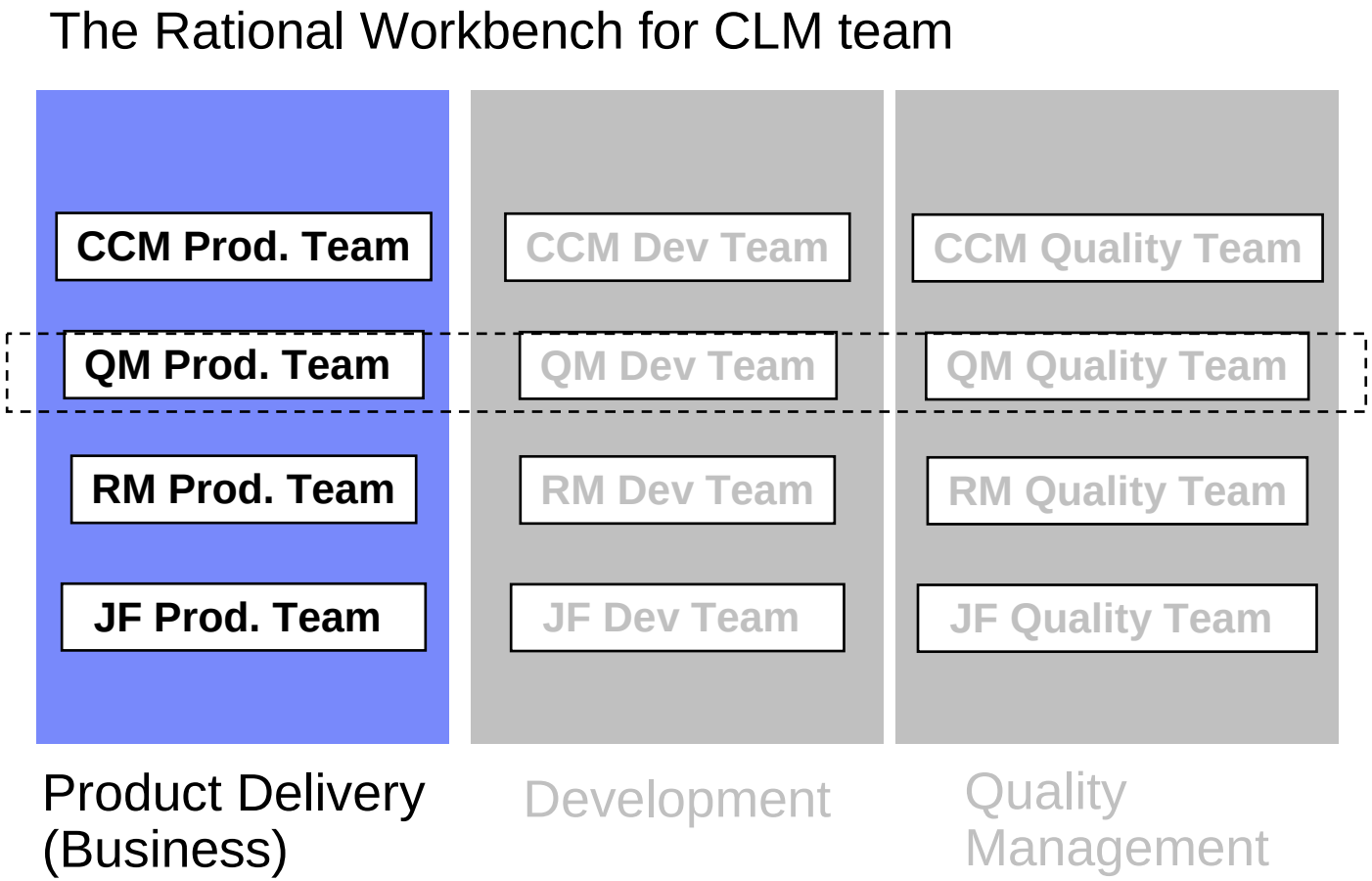
被打断的测试执行


Defect 108597
Summary: * server exception error attempting to modify v3.0 RTC Plan when project is Implemente
New
Overview
Links
Approvals
History
Attachments
Add File: Choose File no file selected
ID Name Size Created by Date
34842 jazz.log 5 KB Mark Gravina Last Week
34841 server1_exception.log 1 KB Mark Gravina Last Week
34840 server1_bd20bd2_10.03.10_15.08.26.0454957766456884615265.txt 24 KB Mark Gravina Last
Links
Add: Related
Affects Test Execution
Related Execution Results: ETE_RTC_Integ_Dev_Lead_04_Jazz Integrations
Blocks Test Execution
Failing Test Case "ETE_RTC_Integ_Dev_Lead_04" when executing Test Execution Record "ETE_RTC_Integ_Dev_Lead_04_Jazz Integrations "
Mentions
Mark Gravina
Martin Aeschlimann
Mentioned By
Defect 108785: BIRT initiated thread accesses TeamServiceContext
Shared Queries
Predefined
C/ALM Traceability Queries
Defects blocking tests
Plan items with failing tests
Plan items with no test executions
Plan items tested successfully (current iteration)
Mark Gravina
Mathieu Lapensee
Erich Gamma's Dashboard
Home
Team
PMC
New tab
Defects affecting tests (1)
104942: Test Defect
Related Execution Results:
ETE_RTC_Integ_Dev_Lead_04_Jazz Integrations

开发过程跟踪到测试发现的缺陷



深入了解产品管理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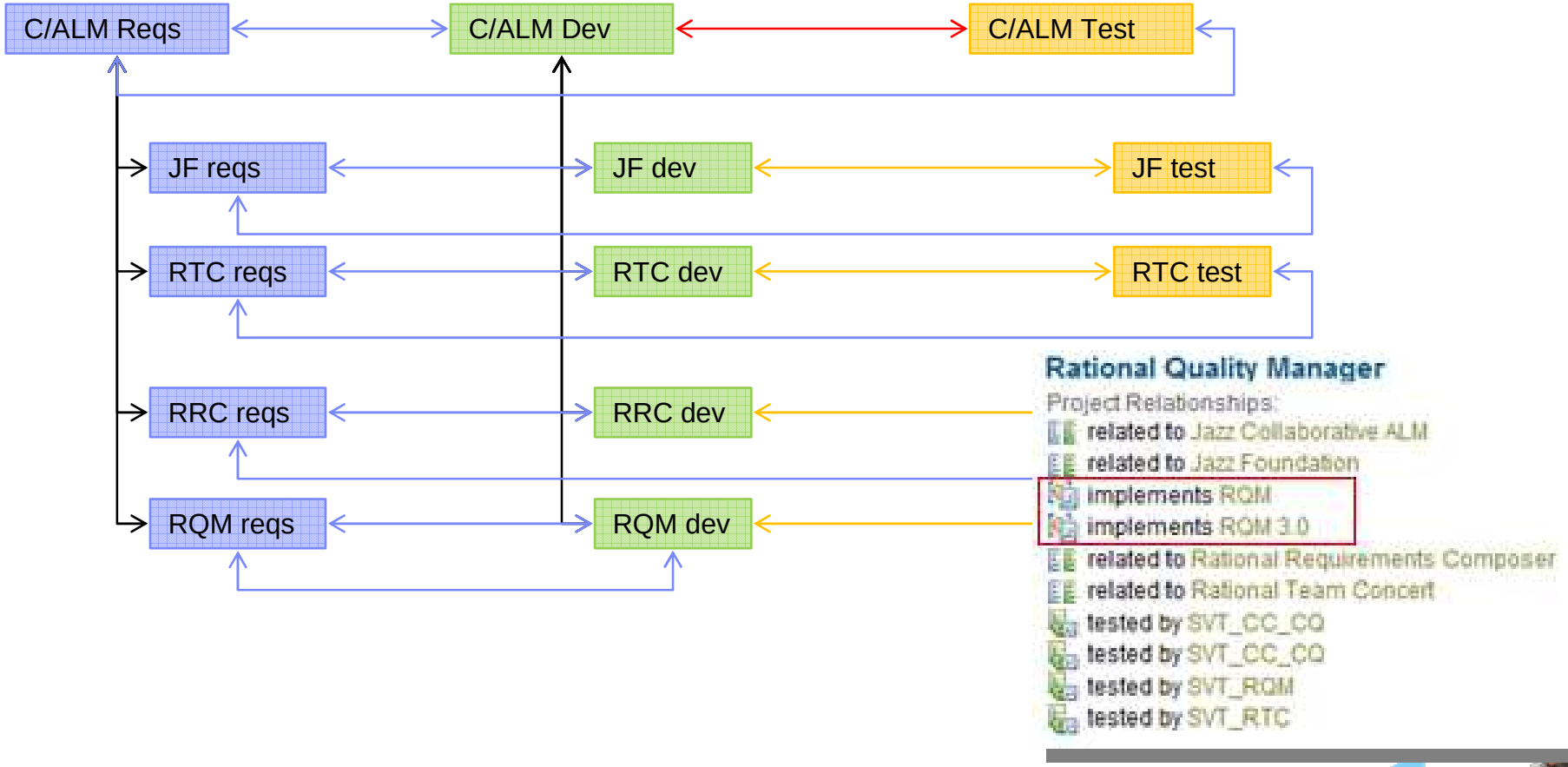
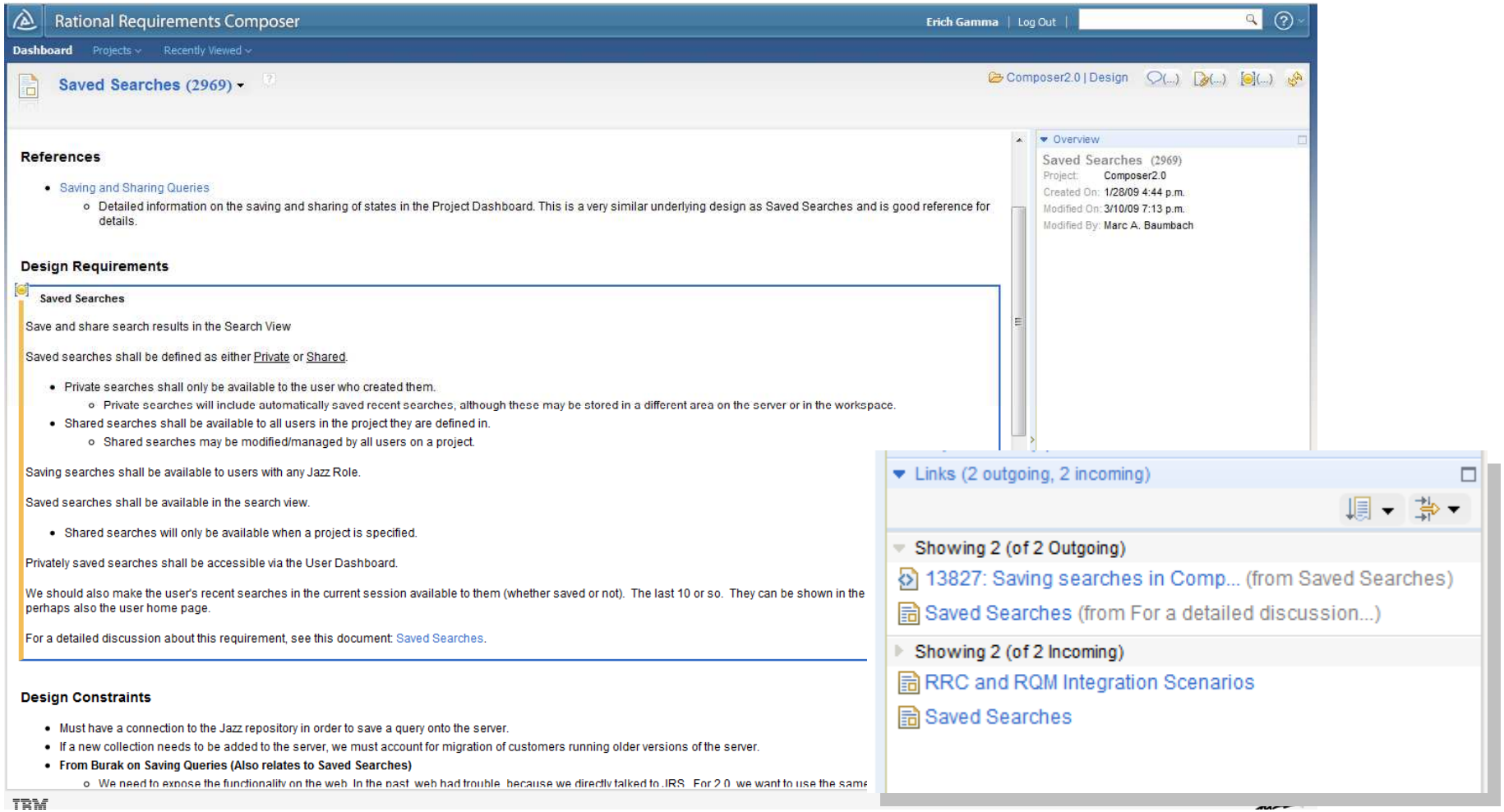
Quality Management

录入需求

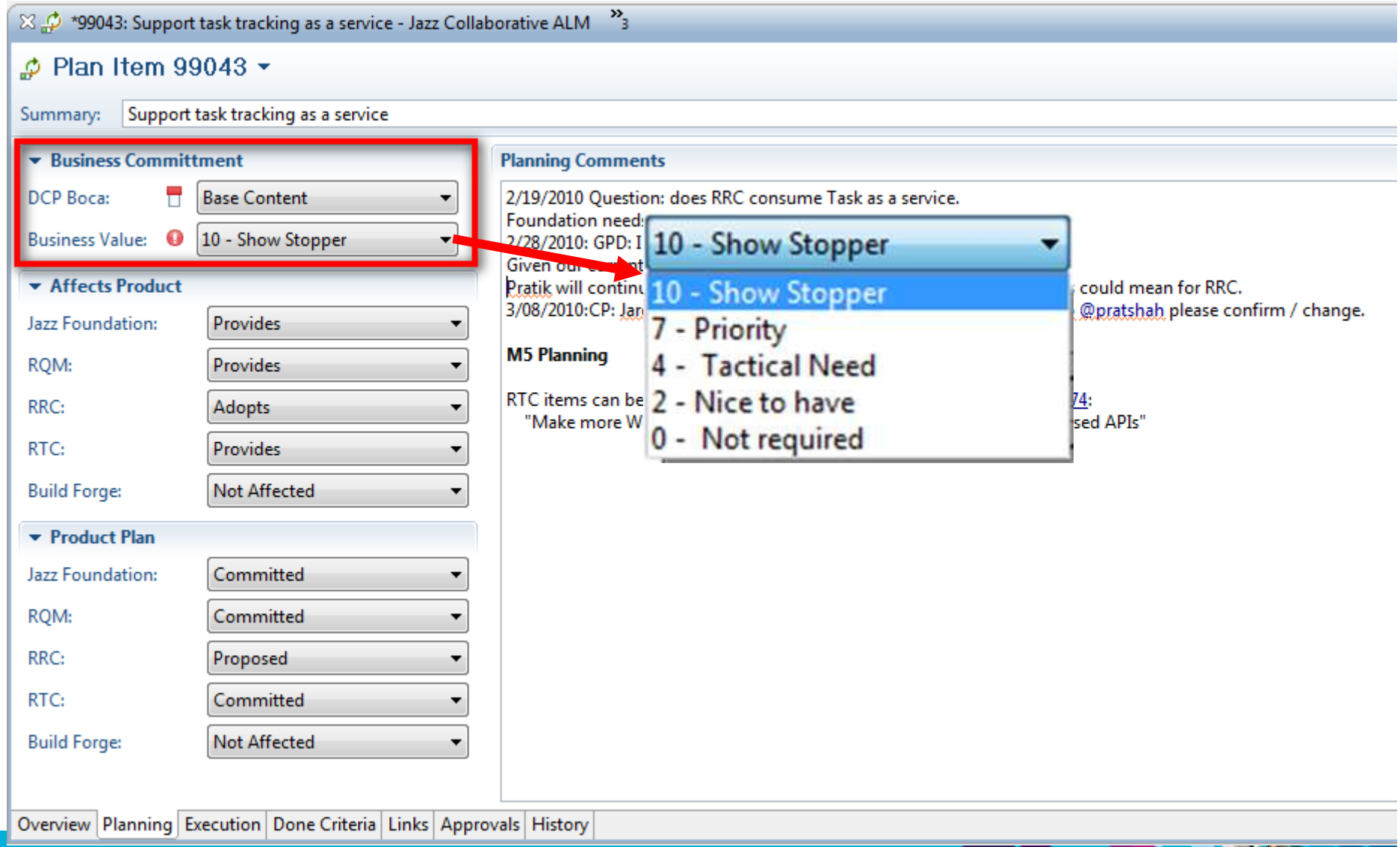
关联到的需求　　关联到的开发　　关联到的测试



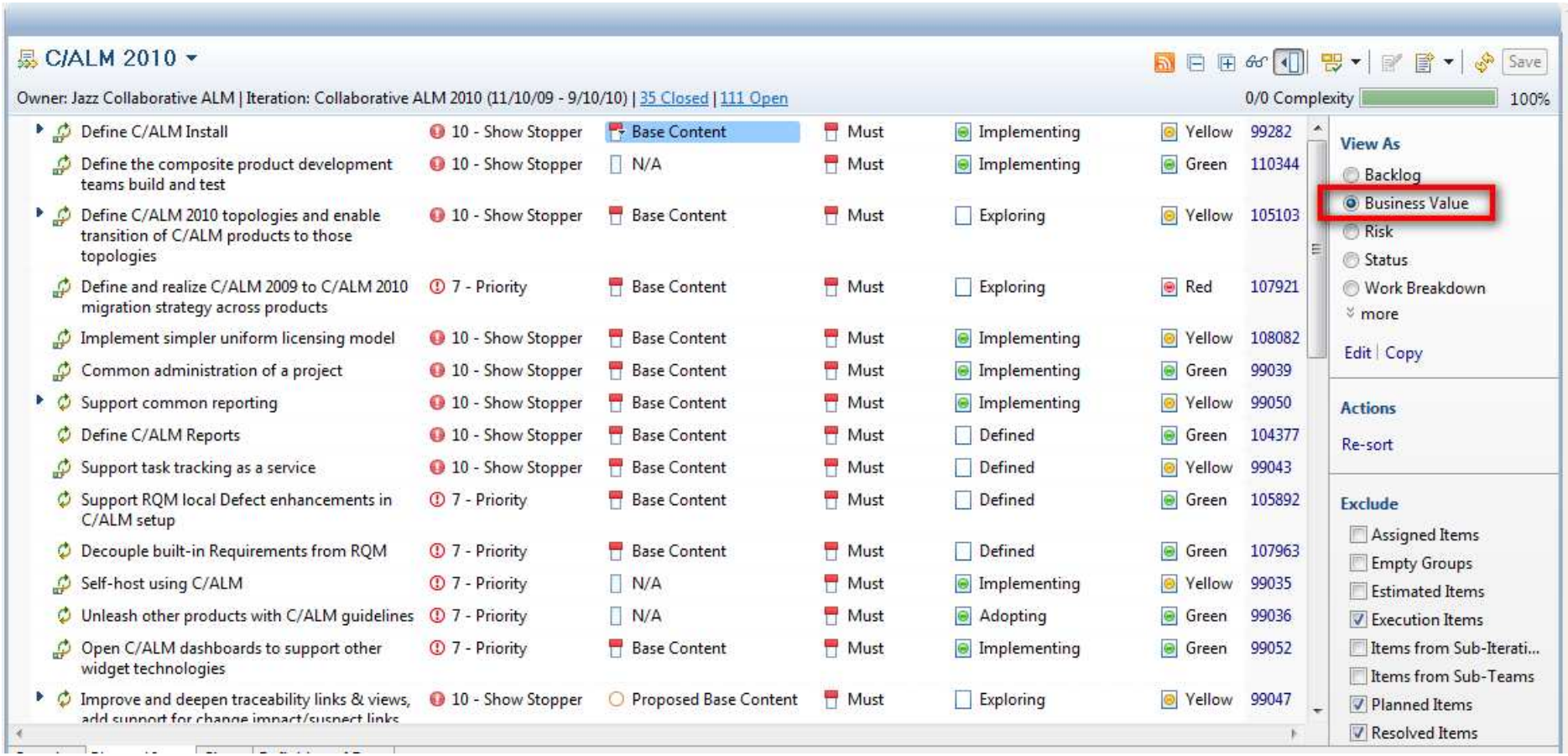
需求的精化


Rational Requirements Composer
Erich Gamma | Log Out |
Dashboard
Projects
Recently Viewed
Saved Searches (2969)
Composer2.0 | Design
References
Saving and Sharing Queries
Detailed information on the saving and sharing of states in the Project Dashboard. This is a very similar underlying design as Saved Searches and is good reference for details.
Design Requirements
Saved Searches
Save and share search results in the Search View
Saved searches shall be defined as either Private or Shared.
Private searches shall only be available to the user who created them.
Private searches will include automatically saved recent searches, although these may be stored in a different area on the server or in the workspace.
Shared searches shall be available to all users in the project they are defined in.
Shared searches may be modified/managed by all users on a project.
Saving searches shall be available to users with any Jazz Role.
Saved searches shall be available in the search view.
Shared searches will only be available when a project is specified.
Privately saved searches shall be accessible via the User Dashboard.
We should also make the user's recent searches in the current session available to them (whether saved or not). The last 10 or so. They can be shown in the perhaps also the user home page.
For a detailed discussion about this requirement, see this document: Saved Searches.
Design Constraints
Must have a connection to the Jazz repository in order to save a query onto the server.
If a new collection needs to be added to the server, we must account for migration of customers running older versions of the server.
From Burak on Saving Queries (Also relates to Saved Searches)
Overview
Saved Searches (2969)
Project: Composer2.0
Created On: 1/28/09 4:44 p.m.
Modified On: 3/10/09 7:13 p.m.
Modified By: Marc A. Baumbach
Links (2 outgoing, 2 incoming)
Showing 2 (of 2 Outgoing)
13827: Saving searches in Comp... (from Saved Searches)
Saved Searches (from For a detailed discussion...)
Showing 2 (of 2 Incoming)
RRC and RQM Integration Scenarios
Saved Searches

在版本计划阶段开始协同



按业务价值来查看版本计划

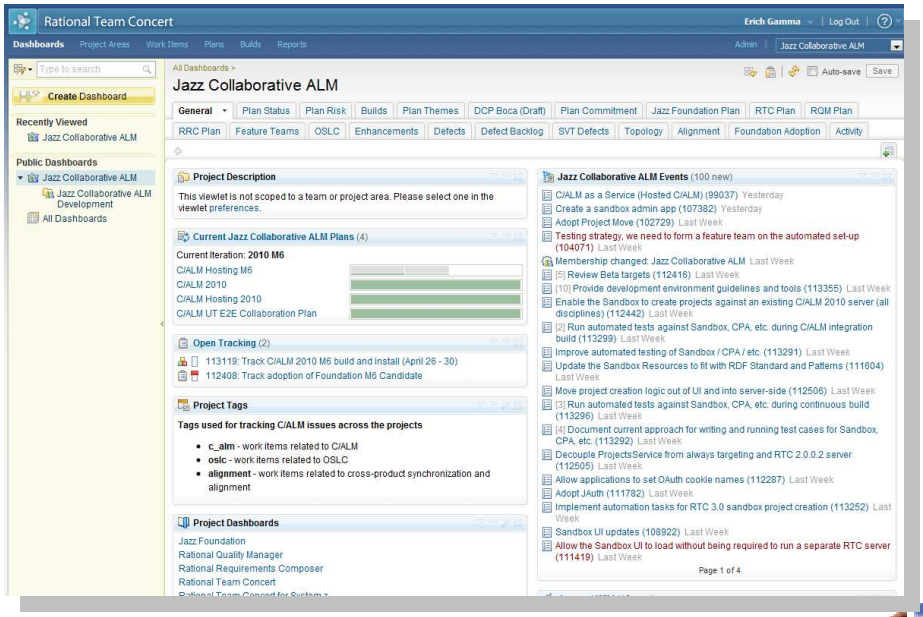


综述

- 团队成员在不同的工具下协同工作，同时跨越部门与团队可以看到相互间共享信息
- 工具的可定制能力至关重要，它帮助我们持续地定制我们需要的流程
  - 对要紧的内容细化处理，而且让它方便跟踪
- 但是我们还没有完美地实现……下一版本将有更大的改进

参考信息

- Jazz.net
  - http://jazz.net/projects/collaborative-alm/



Questions

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