議程：

08:45-09:00	貴賓報到	
09:00-09:10	開場歡迎	IBM軟體事業處 Rational資深技術經理 林裕隆
09:10-10:10	Rational Team Concert 3.0 敏捷協同開發介紹 - RTC 3.0 架構與功能介紹 - 多點 (Multi-Site) 開發管理 - 專案管理與風險管理 - 稽核及法規遵循	IBM軟體事業處 Rational資深技術經理 林裕隆
10:10-10:30	中場休息	
10:30-11:00	使用RTC3.0實行委外專案管理案例分析 (RTC 3.0 - Outsourcing Management)	IBM軟體事業處 Rational資深技術顧問 張向昇
11:00-11:30	使用RTC3.0實行軟體建構與發佈管理案例分析 (RTC 3.0 - Build & Release Management)	IBM軟體事業處 Rational資深技術顧問 吳志忠
11:30-12:00	RTC 3.0 Java及.NET等跨平台支援介紹 (RTC 3.0 - Java & .net Support)	IBM軟體事業處 Rational技術顧問 林炫伯
12:00-13:20	午餐時間（在恆逸用餐）	
13:20-13:50	上機操作—分組角色模擬 (分為PM, developer, builder, tester) (Workshop -- Team Up)	
13:50-14:20	上機操作—各角色分工準備 (Workshop -- Plan your work items)	
14:20-14:50	上機操作—模擬跨地協同開發 (Workshop -- Collaborative development)	
14:50-15:10	中場休息	
15:10-15:40	上機操作—整合式建構與發佈管理 (Workshop -- Collaborative development)	
15:40-16:10	上機操作—建立即時儀表板與報表 (Workshop -- Dashboard & Report)	
16:10- 16:30	Q&A	

IBM Software Group

Rational Team Concert 3.0 敏捷協同開發介紹

Rational. software

IBM軟體產品處
資訊顧問 林裕隆 (Jason Lin)

© 2011 IBM Corporation

Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- 專案管理與風險管理
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- 總結

Agenda

- **專案開發所面臨的挑戰**
- RTC3.0架構與介紹
- 專案管理與風險管理
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- 總結

您對軟體開發的速度及品質滿意嗎?

- *成員間的溝通是協同開發最困難之處*

只有 37% 的業主滿意公司內部軟體開發速度...

只有的業主42% 滿意開發的品質.

50% 的外包專案 品質不符要求.

團隊成員,作業流程和專案管理的隔閡

阻礙了協同開發

地理上的限制

- 不良的溝通
- 語言文化時區的差異
- 新成員上手時間長
- 切割過細的組織

組織上的限制

- 缺乏有意義的業主意見參與
- 作業流程的間隙造成錯誤與重工
- 高階主管無法見到整體狀況
- 不佳的專案治理

IT 基礎設施的限制

- 不相容的工具及資料儲存方式
- 無法正可靠取得一般的專案產出
- 淺薄且脆弱的工具整合

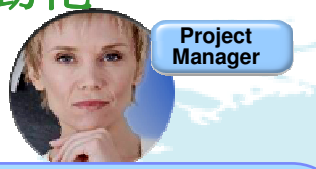
*Forrester, Gartner

開發團隊的心聲:

如果開發工具能夠**即時**提供這些我想要的資訊.....
並且讓一些繁瑣工作**自動化**

Project status and cost analysis anytime for all business sponsors

專案進度/成本分析報告



Top down and the low level views linking configuration, bug and cost tracking

工作追蹤分析報告

Easily extend and automate short iteration cycles to meet hot business needs

敏捷式開發方法

Agile work flows automating and smoothing execution

Empower team members to collaborate using up to date information "in context" of the work they are doing

Automated synchronization of project artifacts

Onboard team members across the world across projects in a day not months

快速佈建測試環境

Easy triggers to catch licensing issues early

軟體授權檢測報告

Seamless access to highest risks and security vulnerabilities

風險及弱點分析報告

Agenda

- 專案開發所面臨的挑戰
- **RTC3.0架構與介紹**
- 專案管理與風險管理
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- 總結

建構一個平台 - 軟體交付協同合作的創新模式

一個旨在通過變革團隊協作方式，提高團隊績效、提高軟體投資回報的創新專案

- 強壯,高度可擴展可擴容
- 全球分佈的模式,適應動態變化
- 以社群爲基礎,通過 jazz.net 開發架構

Collaborate in Context

- **團隊工作透明**：實時知道 “誰、作什麼、何時、爲什麼”
- **加強協作**，打造高效團隊
- **自動傳遞訊息**,使團隊無縫交接任務

Right-size Governance

- **自動化工作**流提升效率
- **自動數據**收集減少管理成本
- **即時報告**提示項目風險

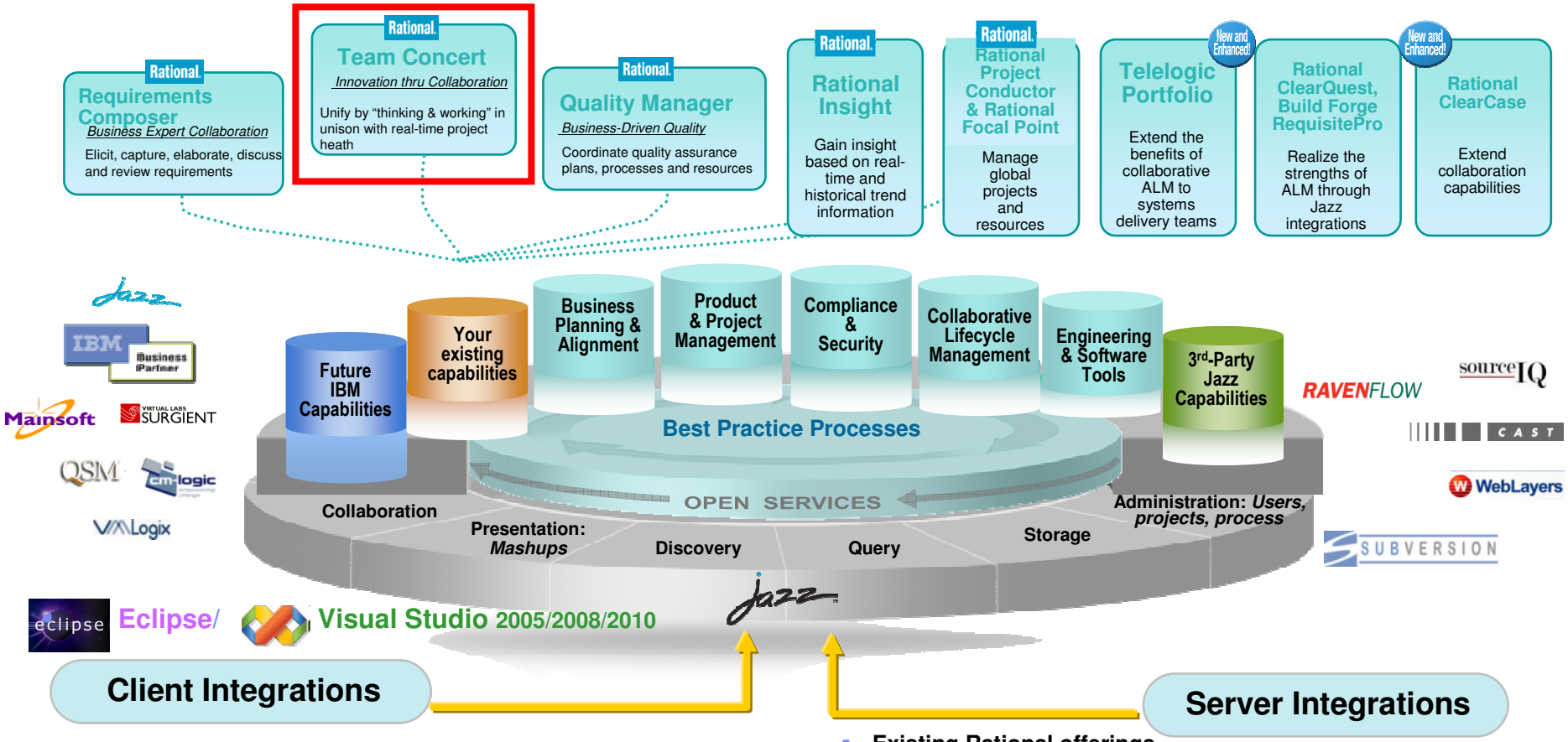
Day One Productivity

- **動態的**專案和團隊管理，快速啓動
- 即時**反覆**計畫
- **統一整合**團隊的工具

跨越軟體交付全生命週期的人、流程、專案和工具的即時整合

Rational Products on Jazz

可參考 http://jazz.net 上 所有 Jazz-based 的產品



Rational Software Architect / **Rational** Application Developer
Rational Developer for z /**Rational** Developer for i
Lotus Quickr / Microsoft SharePoint

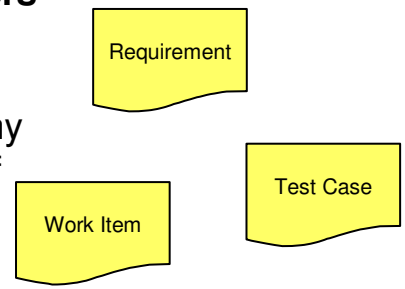
- Existing Rational offerings
- Business partner offerings
- Open source offerings
- *Others to come...*

Jazz architecture overcomes the limitations of the past

Open choice and rich integration

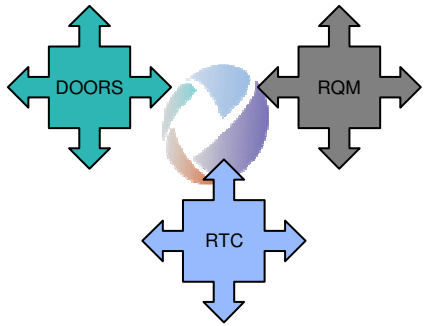
Uniform Resource Identifiers (URIs)

"I can link any resource to any other resource, regardless of where the resource lives!"



Standard interfaces

"Each tool can evolve independently without breaking integrations!"



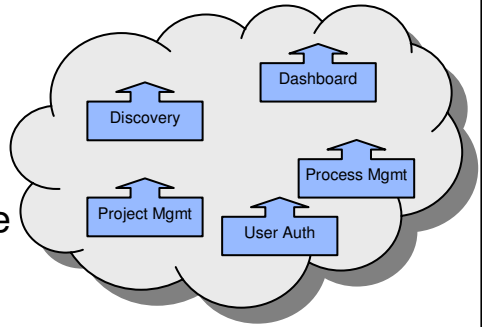
Open standards for the lifecycle

"Each domain can create standards without having to wait on the others or get the whole industry to agree!"

Open Services for Lifecycle Collaboration
open community. open interfaces. open possibilities

Integration services

"Each vendor can evolve their tool to exploit the services that are valuable to customers like me!"

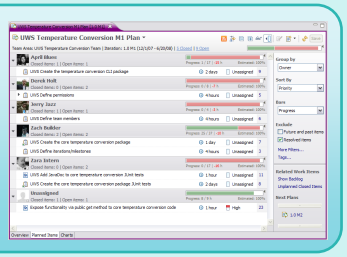


Evolutionary and incremental adoption

Rational Team Concert: RTC (協同開發平台)

專案計劃

- 整合專案疊代計劃及執行管理
- 連結工時估算及專案哩程碑
- 內建敏捷開發流程模版

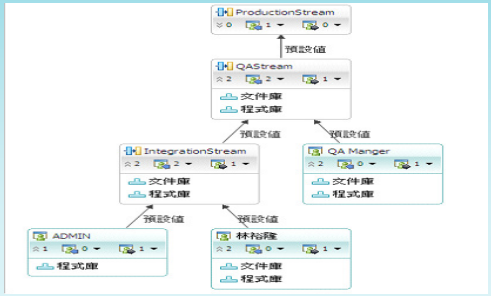


專案監控

- 可客製化的儀表板
- 即時的工作追遡資訊及報告
- 專案里程碑及工作狀態追蹤

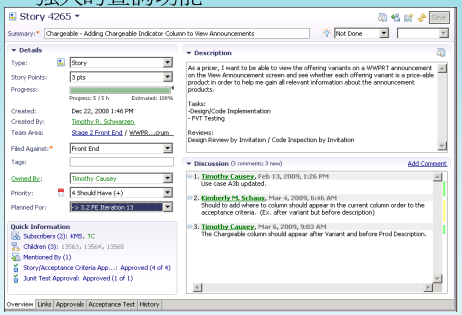
版本管控

- 整合的stream, Component, baselines 功能，提供完整的版本(version) 追遡資訊
- 支援Server-based sandboxes



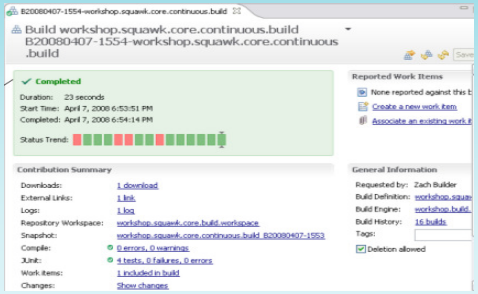
工作項目管理

- 內建 缺陷單、新需求功能單, 工作單及客製表單，及連結，簽核 ，稽核記錄
- 強大的查詢功能



建置管理

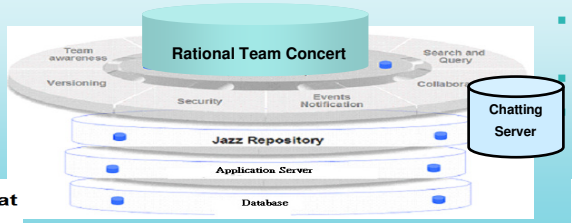
- 過版記錄可與工作表單、變更記錄追遡
- 支援本端及遠端編譯



Lotus Sametime | Google talk BETA | Jabber.org

Jazz 團隊伺服器

- 單一基礎平台支援全生命週期開發
- 世界級的專案開發組織架構，成員快速上手
- 依角色身分的權責管理，依專案規模、性質選擇專案流程模板



- Team advisor 功能，可定義專案流程規則，持續改善專案交付品質
- 可定義專案流程並強制流程落實
- 以工作產出爲基礎的協同合作，即時顯示成員的狀況及進行中的工作

Apache Derby | Apache Tomcat | IBM DB2 | WebSphere

IBM 全球 125個研發團隊採用 Rational Team Concert 大中華軟體研發中心透過敏捷式開發 聚焦核心競爭力

	挑戰	效益
Ginger Tsai, IBM 大中華軟體研發中心 副總經理	過去傳統的協同開發模式，無法即時地掌握開發進度，專案的彈性也不足以應對變化，這些額外增加的成本在在都影響利潤與效率	研發的品質與速度是我們的核心競爭力，透過 RTC 統一的平台，不僅能管理不斷改變的需求，更能使其與業務目標保持一致，落實以軟體開發價值體現策略性業務資產
Curtis Wei, IBM 大中華軟體研發中心 經理	在團隊開發上，最大的問題是成員間彼此的資訊不能即時互通，得透過每日、每週定期開會報告專案進度，常常耗費許多時間、精神	RTC 幫助我管理追蹤每個人工作量，將整個開發流程透明化並量化成圖表，隨時精確掌握開發進度、專案執行或工作外包
Jeffrey Liu, 台灣 IBM 公司資深工程師	專案需要敏捷式的彈性開發，過去開發工具即使使用各種 open source，但資源往往無法整合	RTC 不僅可整合跨系統開發工具，而且容易管理追蹤組員進度，讓團隊更容易發現[問題解決問題，把專案管理變簡單了！
Weasley Hung , 台灣 IBM 公司 IT 架構師	過去沒有系統方式管理專案，還可能得到處救火，整個專案的成功率與品質常常無法掌握	但 RTC 讓工作進度及工作內容一目了然，有了報表，分配工作、控制進度變得更加方便

■根據 IBM Global Services 的調查，**59% 的開發專案不是完全失敗**，要不就是**不符合成本、時效或是設定的目標**，這對於以開發爲核心競爭力的組織而言，是損失相當高額的企業成本。

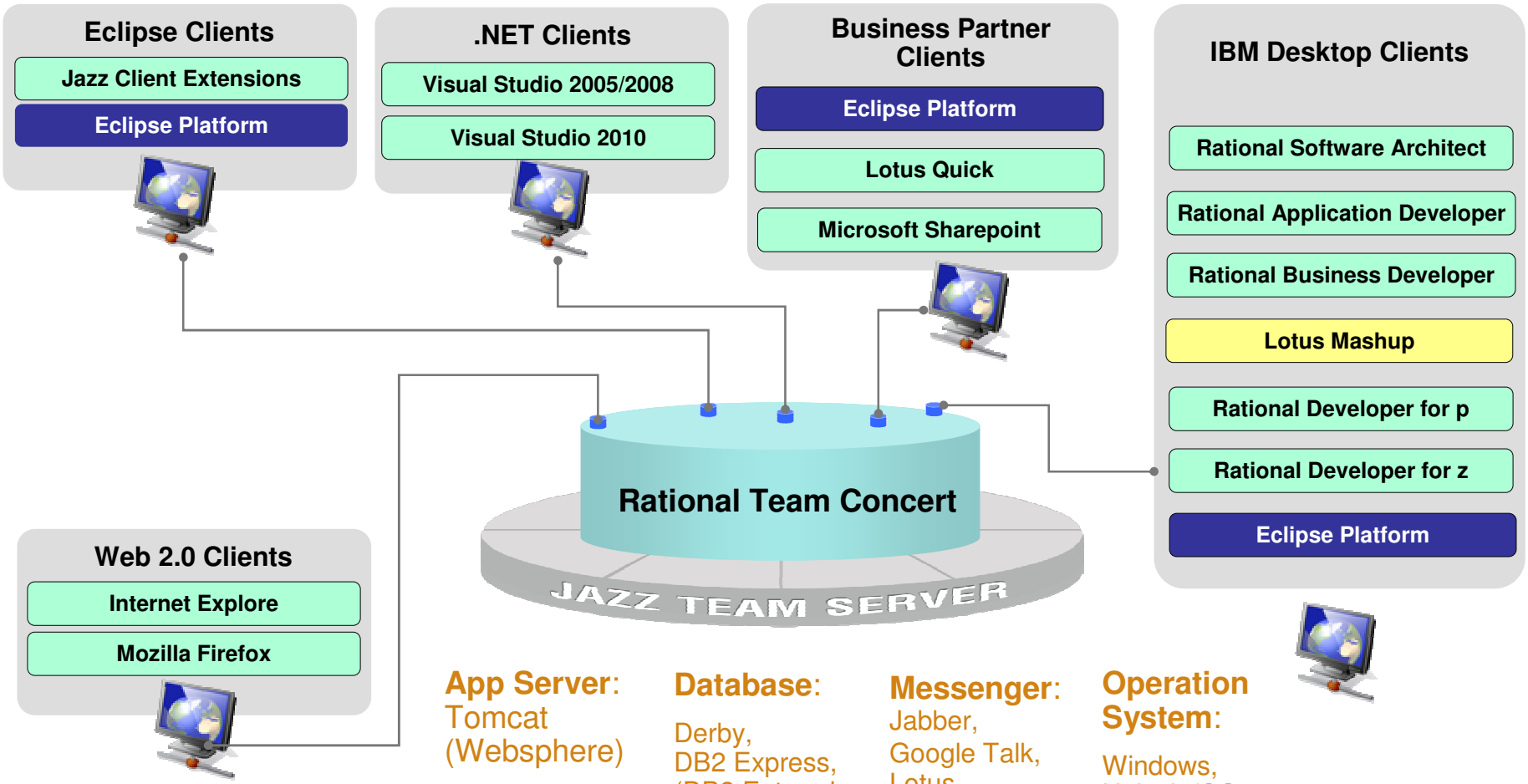
■Jeffrey 所帶領的團隊有別於一般研發團隊，主要的任務是參考大中華區市場的重要議題，訂定研發專案計畫，再將創新成果延續到產品端，有時還得**跨地域與國外合作**。由於創新過程中，合作團隊常常需要不斷開會討論，開發流程管理不易，加上各個專案研發過程長達一年，客戶需求會不斷改變，如果用傳統專案開發過程通常採用的瀑布模型（Waterfall Model），往往在成果驗收時才發現不符客戶需求，嚴重影響專案完成的進度。

■爲了讓專案流程更爲快速，Jeffrey 開始採用 Rational Team Concert（RTC），希望能透過這個兼有**協同開發、開發流程自動化和報表三合一**的平台，讓開發團隊能專注於監控實際、客觀且有意義的數據，顯著提升軟體交付的業務流程。

■事實上，IBM 全球超過 125個研發團隊都採用 RTC，因爲透過 RTC 可以讓每個人很清楚的看到，專案從模糊到清晰的發展過程，把軟體視爲企業最重要的策略性資產。

Source: http://www-01.ibm.com/software/tw/casestudies/ibm/rtc/case.html#1

Rational Team Concert 架構概觀



Rational Team Concert 對微軟開發平台提供最好的支援

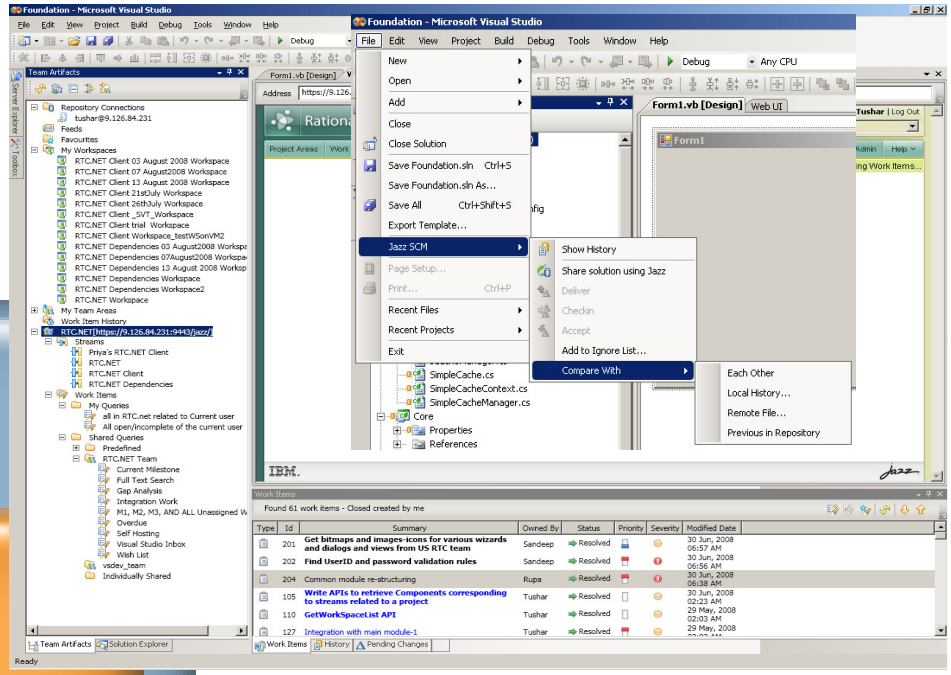
Visual Studio 2005/2008/2010 professional and Standard Editions

Microsoft Visual Studio 2010

Microsoft Visual Studio 2008

Microsoft Visual Studio 2005 Professional Edition

Microsoft Visual Studio 2005 Standard Edition



Open and extensible on Jazz

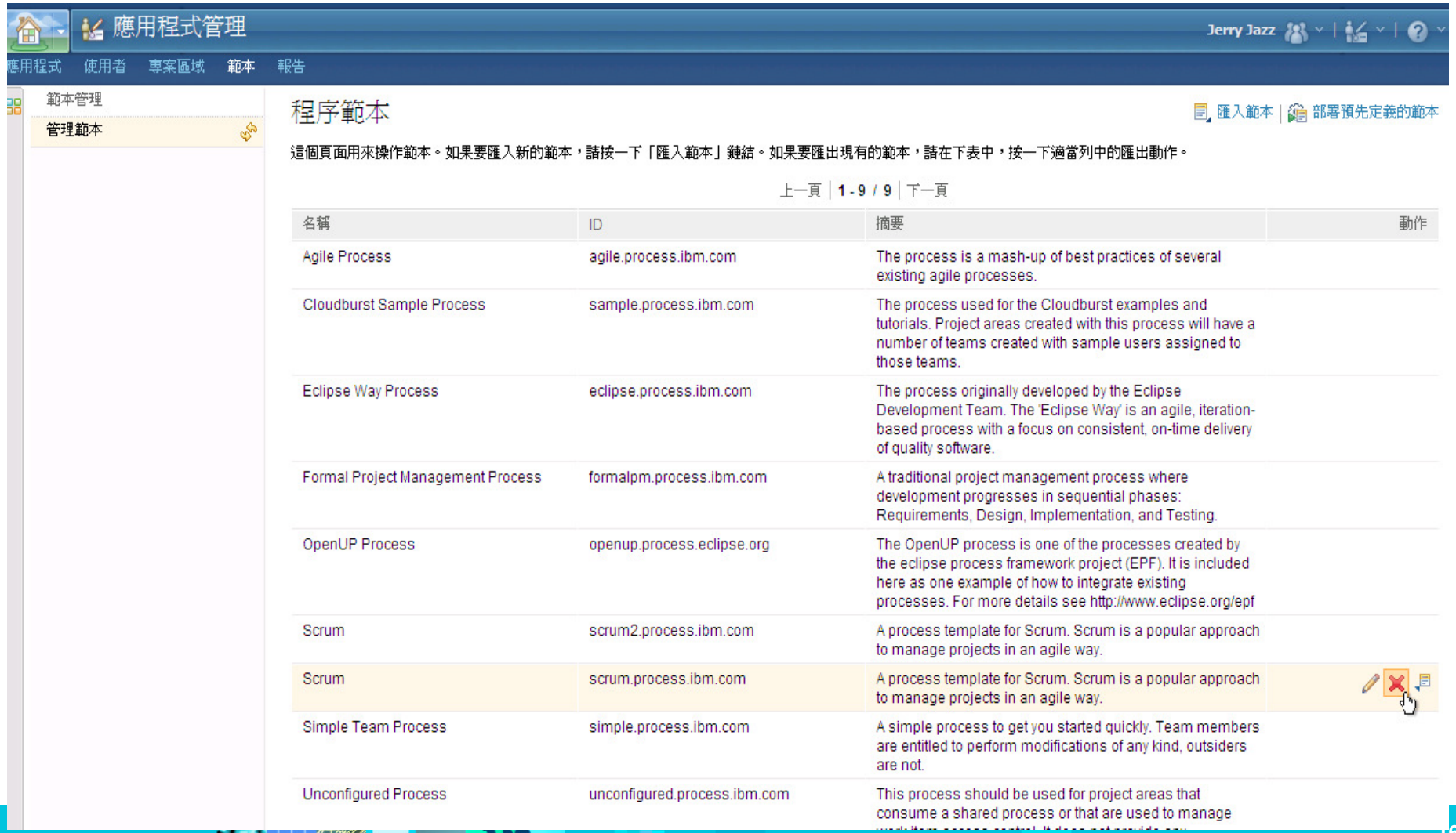
- ✓Collaborate in context
- ✓Right-size governance
- ✓Day one productivity

Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- **專案管理與風險管理**
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- 總結

RTC提供的 Process Templates

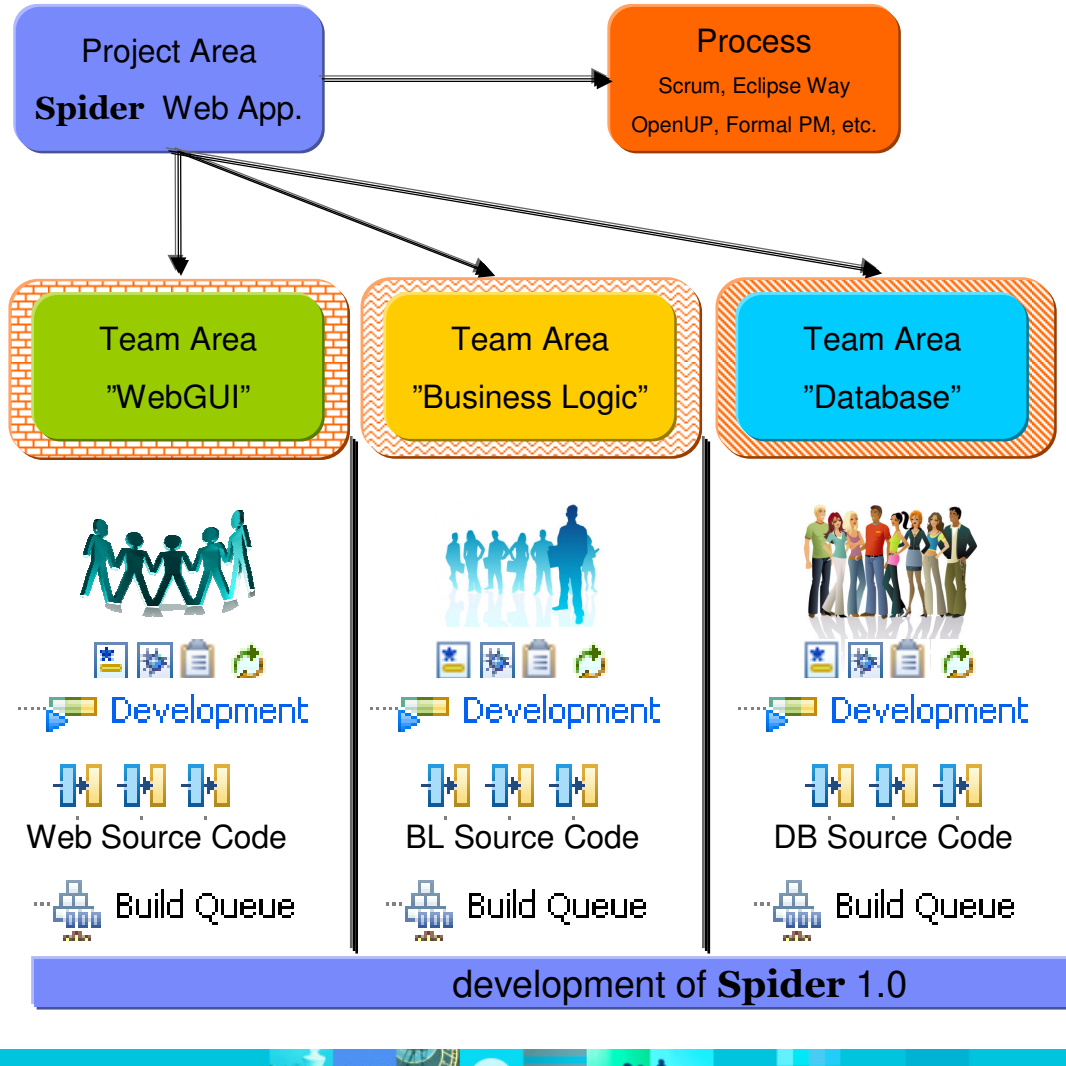
-RTC 提供了多種的程序範本，可讓專案以開箱即用(out-of-box)的方式快速使用，亦可自行修改或訂制



名稱	ID	摘要	動作
Agile Process	agile.process.ibm.com	The process is a mash-up of best practices of several existing agile processes.	
Cloudburst Sample Process	sample.process.ibm.com	The process used for the Cloudburst examples and tutorials. Project areas created with this process will have a number of teams created with sample users assigned to those teams.	
Eclipse Way Process	eclipse.process.ibm.com	The process originally developed by the Eclipse Development Team. The 'Eclipse Way' is an agile, iteration-based process with a focus on consistent, on-time delivery of quality software.	
Formal Project Management Process	formalpm.process.ibm.com	A traditional project management process where development progresses in sequential phases: Requirements, Design, Implementation, and Testing.	
OpenUP Process	openup.process.eclipse.org	The OpenUP process is one of the processes created by the eclipse process framework project (EPF). It is included here as one example of how to integrate existing processes. For more details see http://www.eclipse.org/epf	
Scrum	scrum2.process.ibm.com	A process template for Scrum. Scrum is a popular approach to manage projects in an agile way.	
Scrum	scrum.process.ibm.com	A process template for Scrum. Scrum is a popular approach to manage projects in an agile way.	
Simple Team Process	simple.process.ibm.com	A simple process to get you started quickly. Team members are entitled to perform modifications of any kind, outsiders are not.	
Unconfigured Process	unconfigured.process.ibm.com	This process should be used for project areas that consume a shared process or that are used to manage	

RTC 專案區域、團隊區域的使用

-RTC可以讓大型的開發團隊協同合作



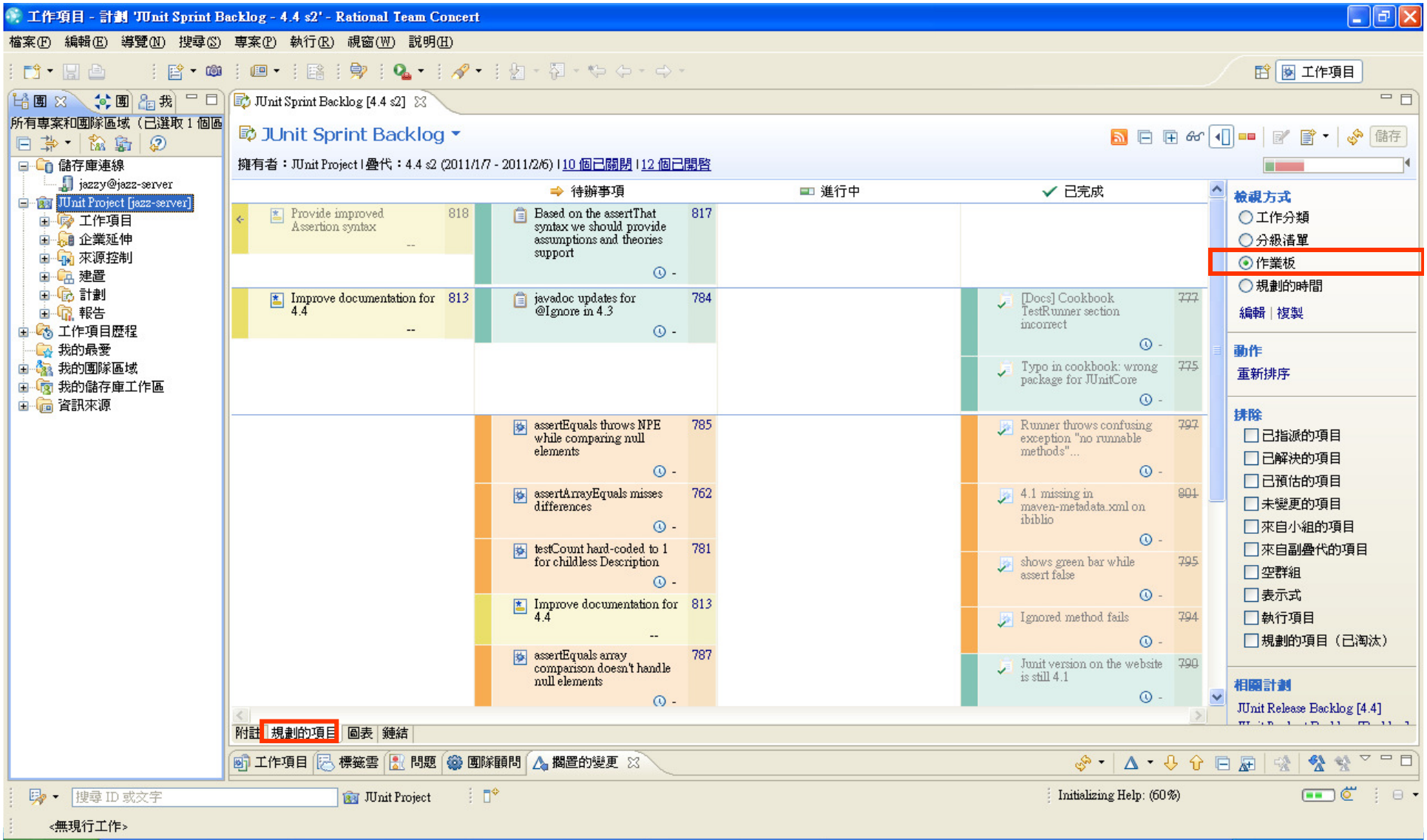
- 專案區域(Project Area)是系統的軟體專案表示法。專案區域定義專案的交付項目、團隊結構、程序及排程。
- 專案小組的結構用團隊區域階層來定義。團隊區域會管理團隊成員資格、角色指派及團隊構件。

專案計劃:檢視方式爲 “工作分類"

Iteration plans are composed of a set of work items, which PMs can create and team members can use to manage work

專案計劃-規劃的項目 :檢視方式爲 "作業板"

-可以圖示化看所有的工作項目

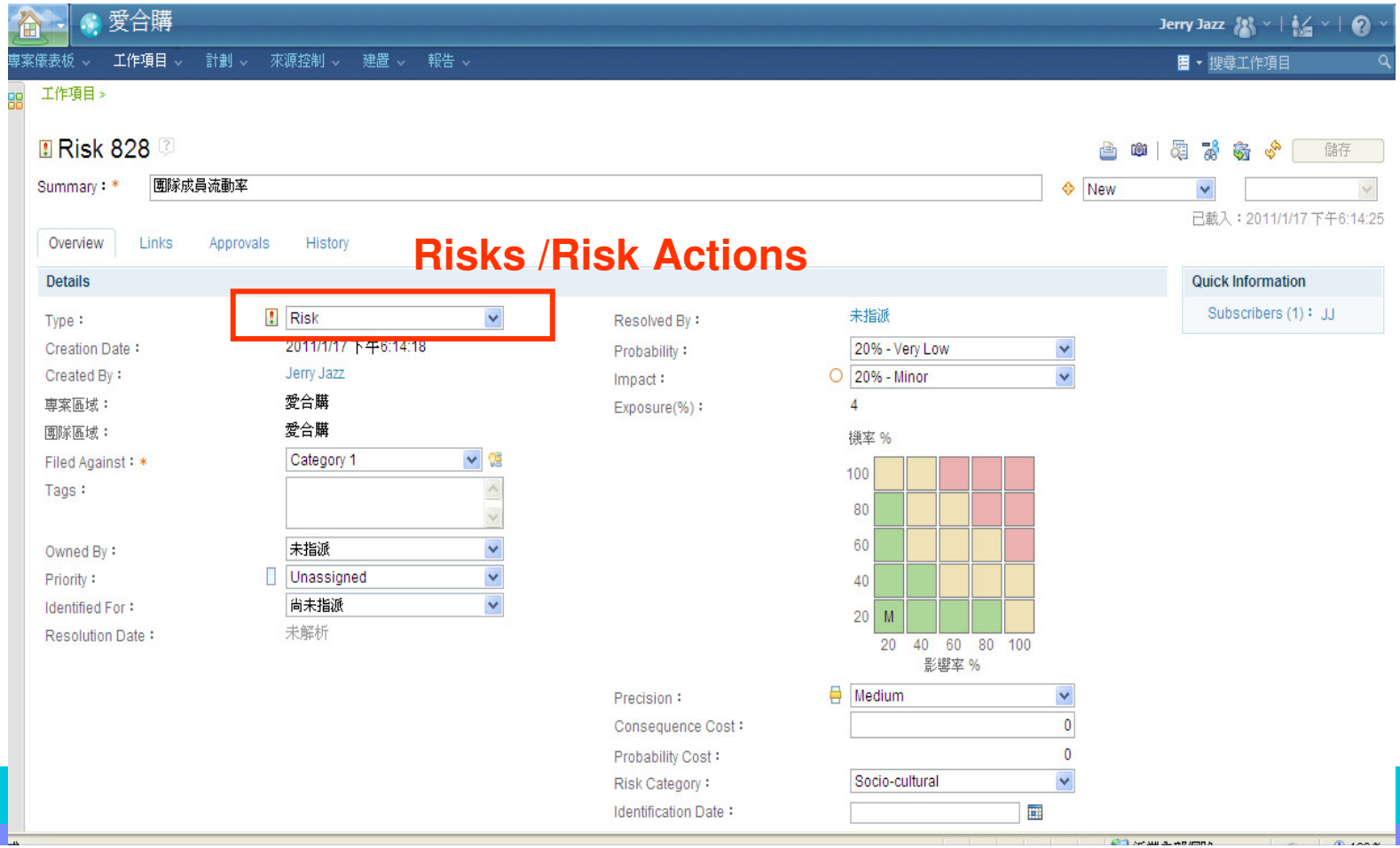


19

風險控管

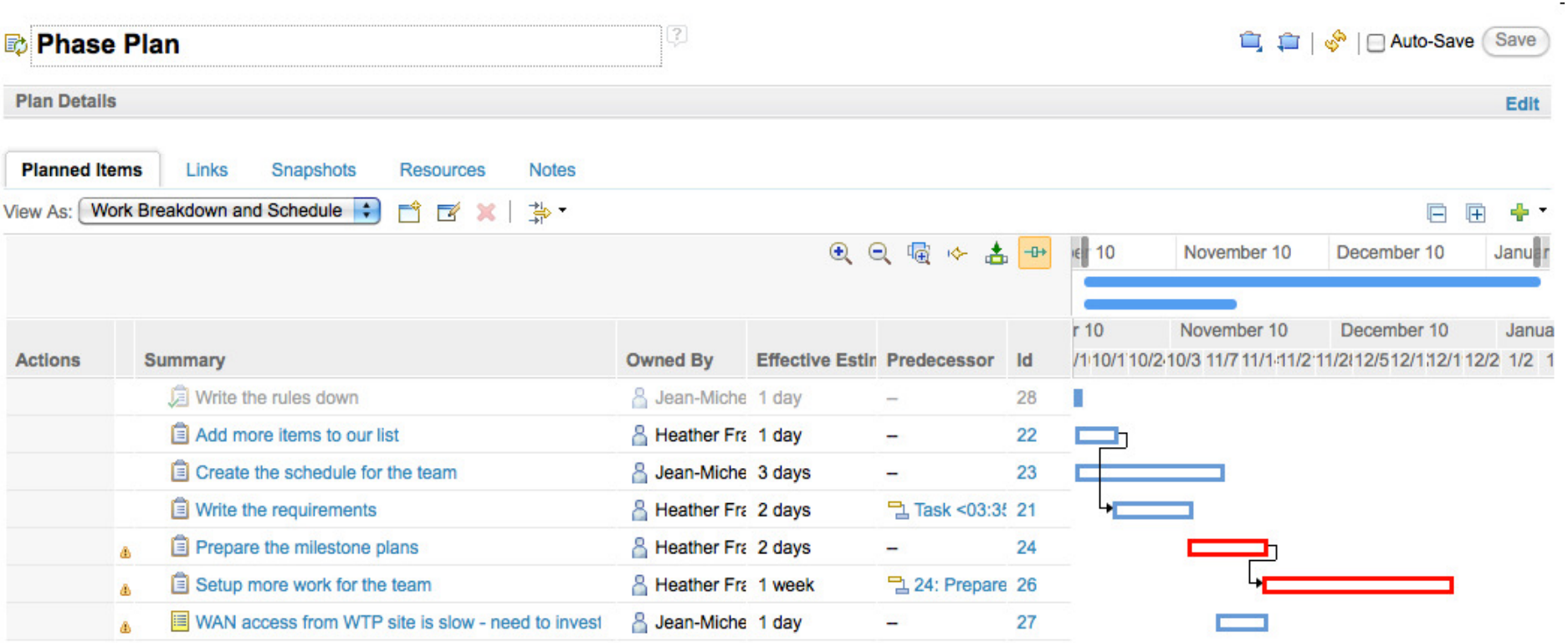
-透過風險(Risks)清單管理風險，透過 Risk Action來監控風險

- **Risks and Risk Actions**
  - Every project has some known and unexpected risks. As a project manager, you can define risks, add strategies, and create work items to take action against risks. The risks work items are available in the Formal Project Management process template.



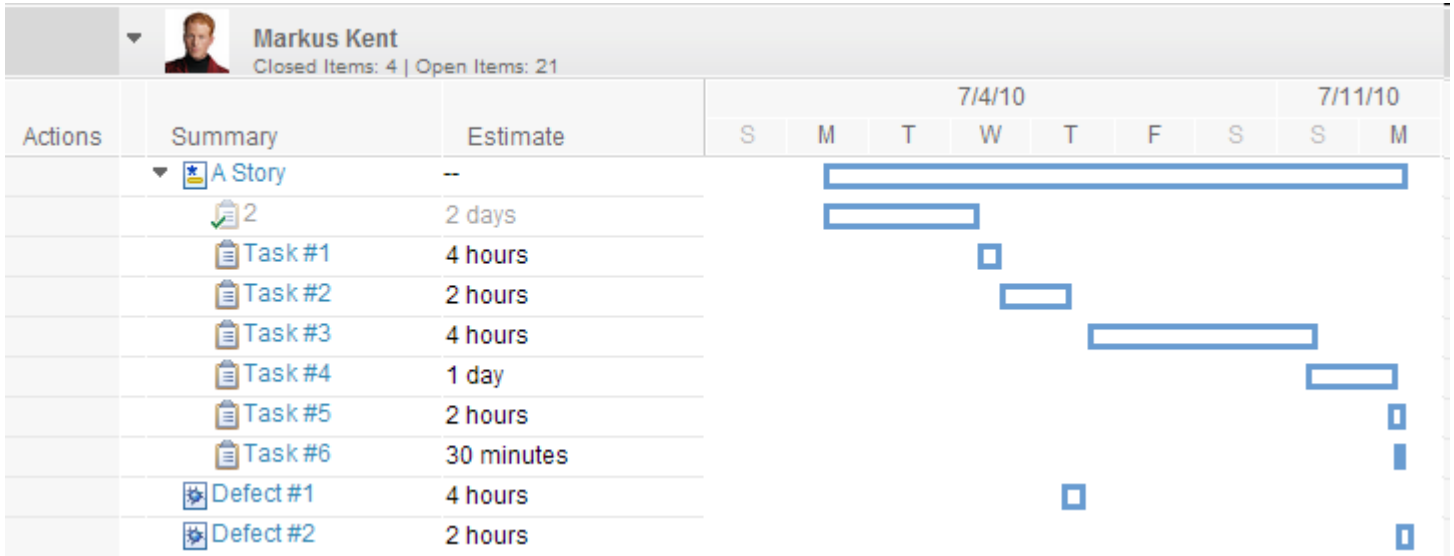
甘特圖(Gantt Charts)

- **Now you can visualize a plan based on a timeline**
  - Gantt charts for traditional planning based on schedule constraints and dependencies
  - Shows work breakdown and schedule



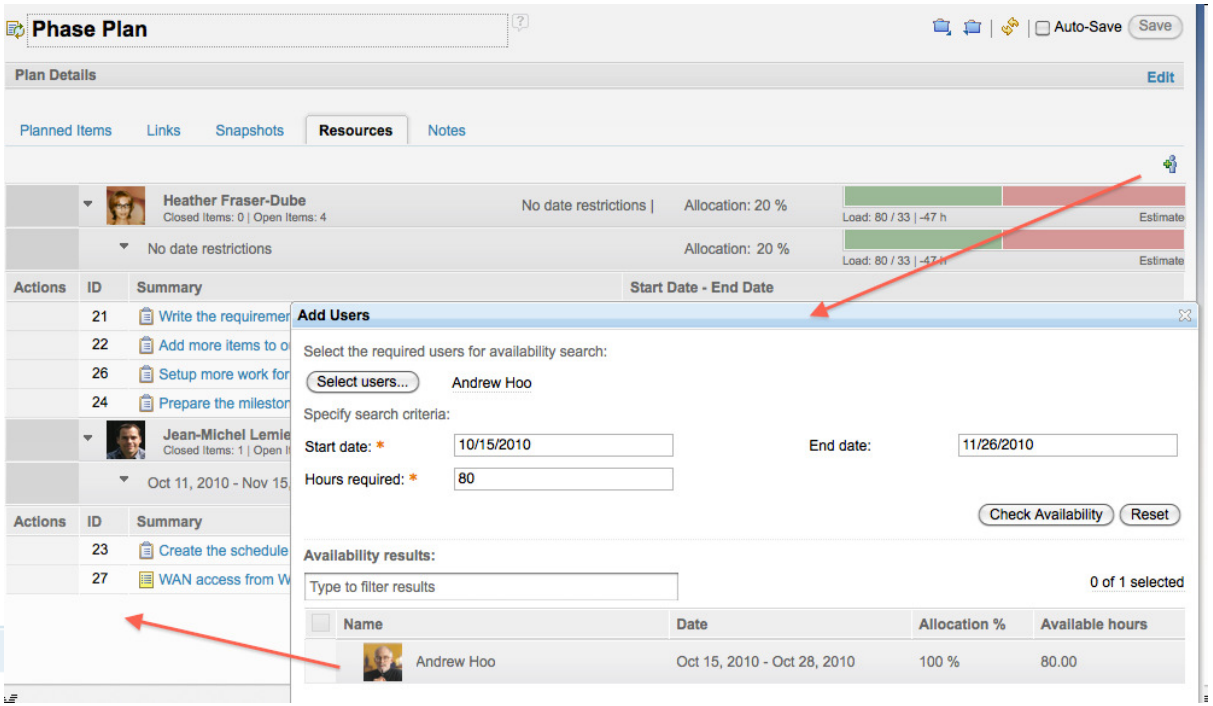
Roadmap Charts

- **Designed for agile teams**
  - Shows a time projection of a roadmap based on iterations
  - The scheduled time of work items can now be shown as a roadmap on a timeline.
  - The roadmap can also show blocking or depends on relationships between work items



資源的分派

- **Resource Allocation**
  - Search and add a resource to your plan based on availability
  - You can now allocate ranges of availability to a project or team.



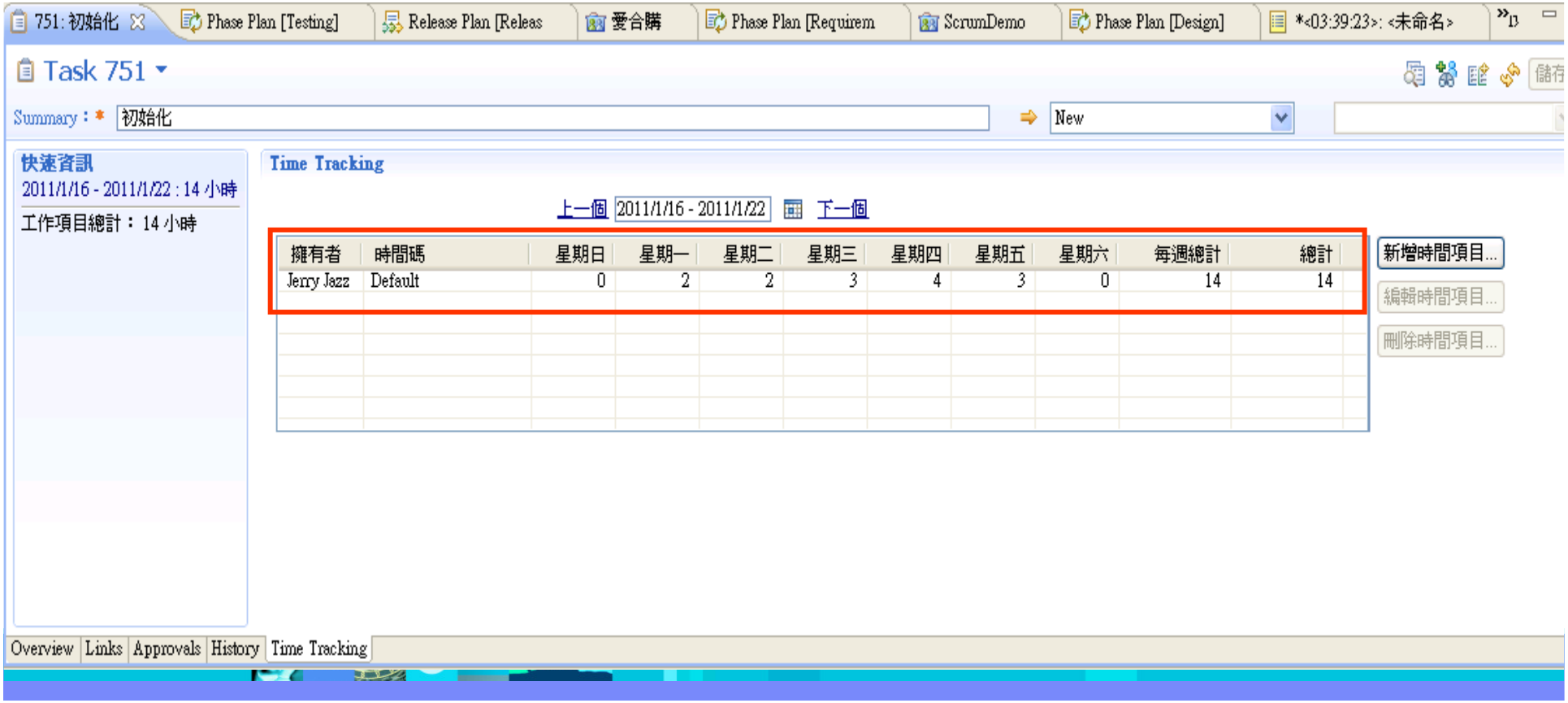
Work Allocations

Associate resources to teams and timelines:

Team	Allocation	Allocation Dates	Actions
Agile Project		(No Date Restriction)	
Main Development *	16 %	(No Date Restriction)	
Analysis		Oct 11, 2010 - Nov 26, 2010	
Main Development	5 - 16 %	Oct 11, 2010 - Nov 26, 2010	
Allocation	16 %	Oct 11, 2010 - Nov 15, 2010	
Allocation *	5 %	Nov 15, 2010 - Nov 26, 2010	

工時回報 (Time Tracking)

A **Time Tracking** tab has been added to the formal project template. This allows you to move a task between people and track time towards different time codes. The time codes are configurable in the process specification. The time tracking function is not limited to the formal project template and can be added to any work item type presentation.



專案快取(snapshots)的比較

- **How has my plan changed over time?**
  - What is the quality of our planning?
  - Did we make our date because we changed the plan and/or our estimates?

Planned Items | Links | **Snapshots** | Resources | Notes

Back to Snapshots

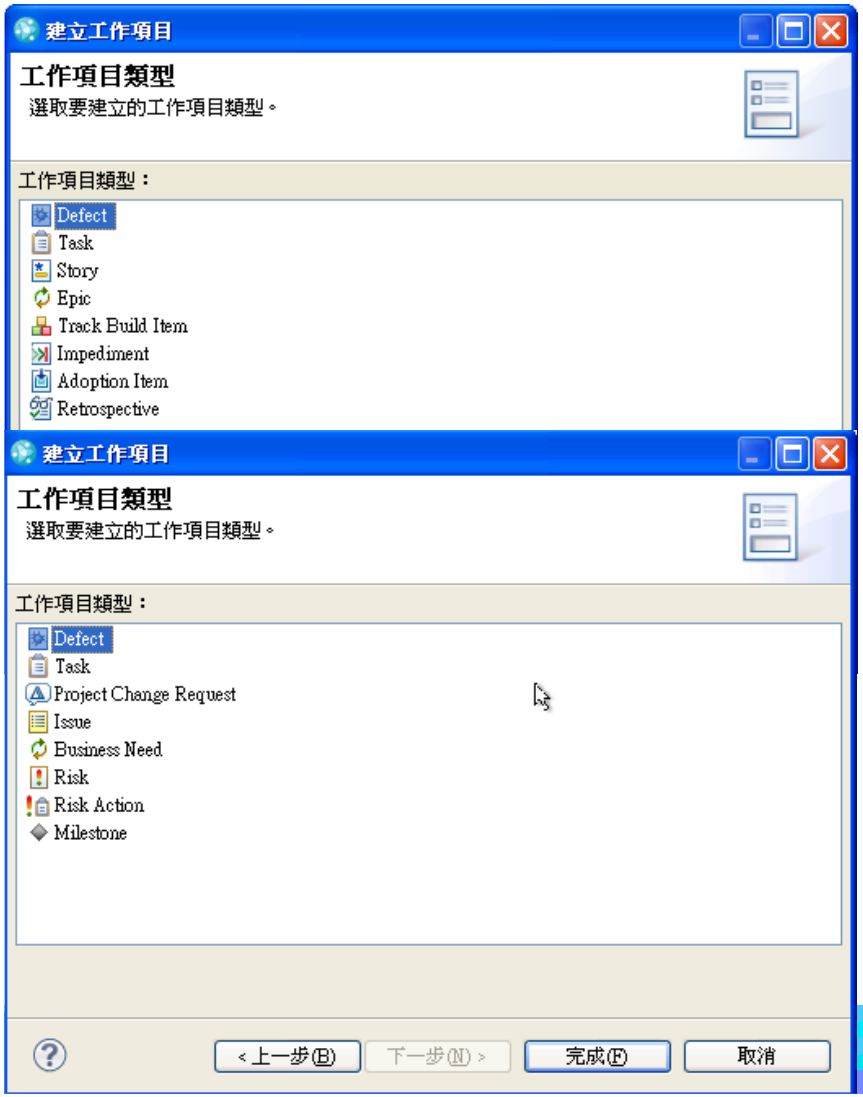
	Comparison - Oct 15, 2010 4:53:52 AM	**End** - Oct 15, 2010 4:53:45 AM	**Start** - Oct 15, 2010 4:44:47 AM
Overview			
Start Date	0	Oct 15, 2010	Oct 15, 2010
End Date	8 weeks 3 days 1 hour	Oct 25, 2010	Dec 23, 2010
Work Items Total	2	5	7
New	2	4	6
In Progress	0	0	0
Closed	0	1	1
Work Done	6 hours	1 day	1 day 6 hours
Work Estimated	2 weeks 2 days 4 hours	2 days 4 hours	3 weeks
Progress	–	8/20 h 100%	14/120 h 100%
Work Items			
	Modifed Items	**Added Items**	**Removed Items**
	Write the requirements	–	Create the schedule for the team
	Add more items to our list	–	WAN access from WTP site is slow - need to
	Setup more work for the team	–	–
	Prepare the milestone plans	–	–

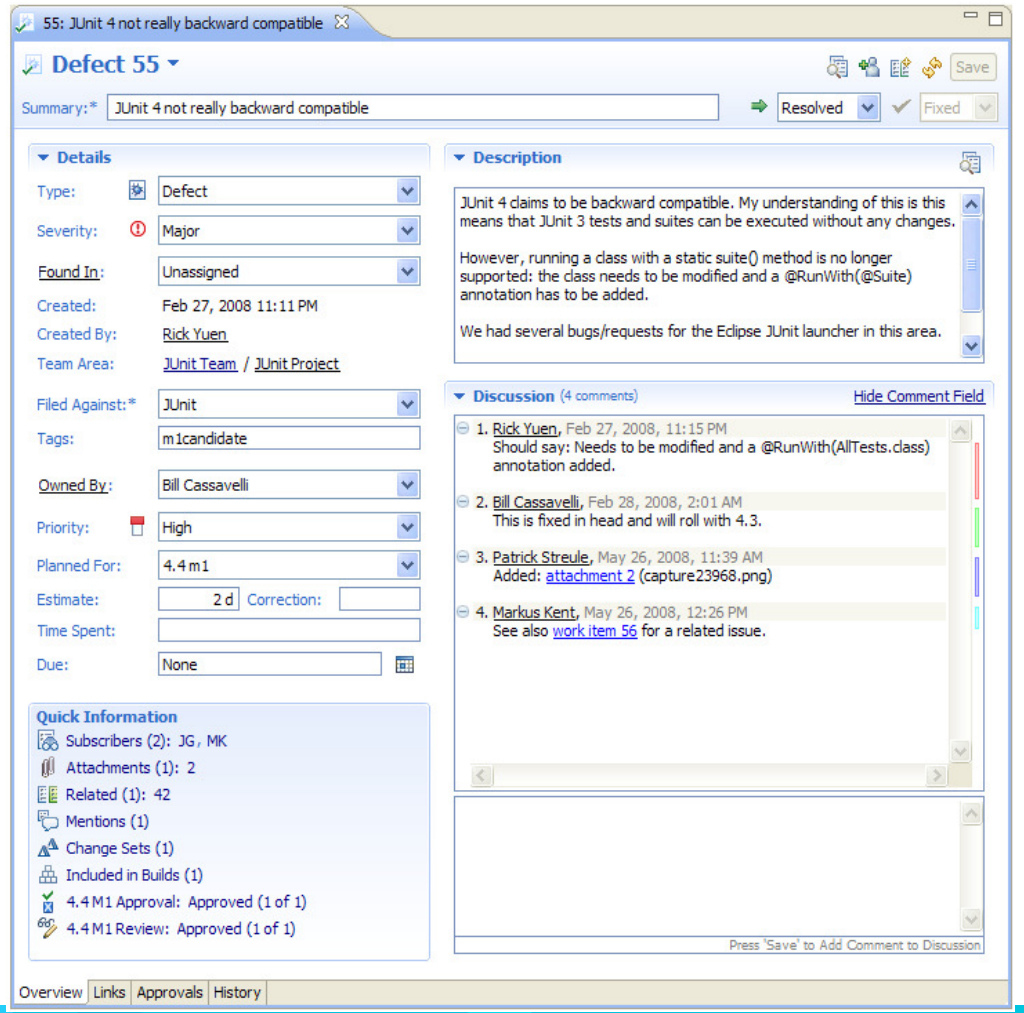
Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- 專案管理與風險管理
- **工作項目管理**
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- 總結

工作項目 (Work items)

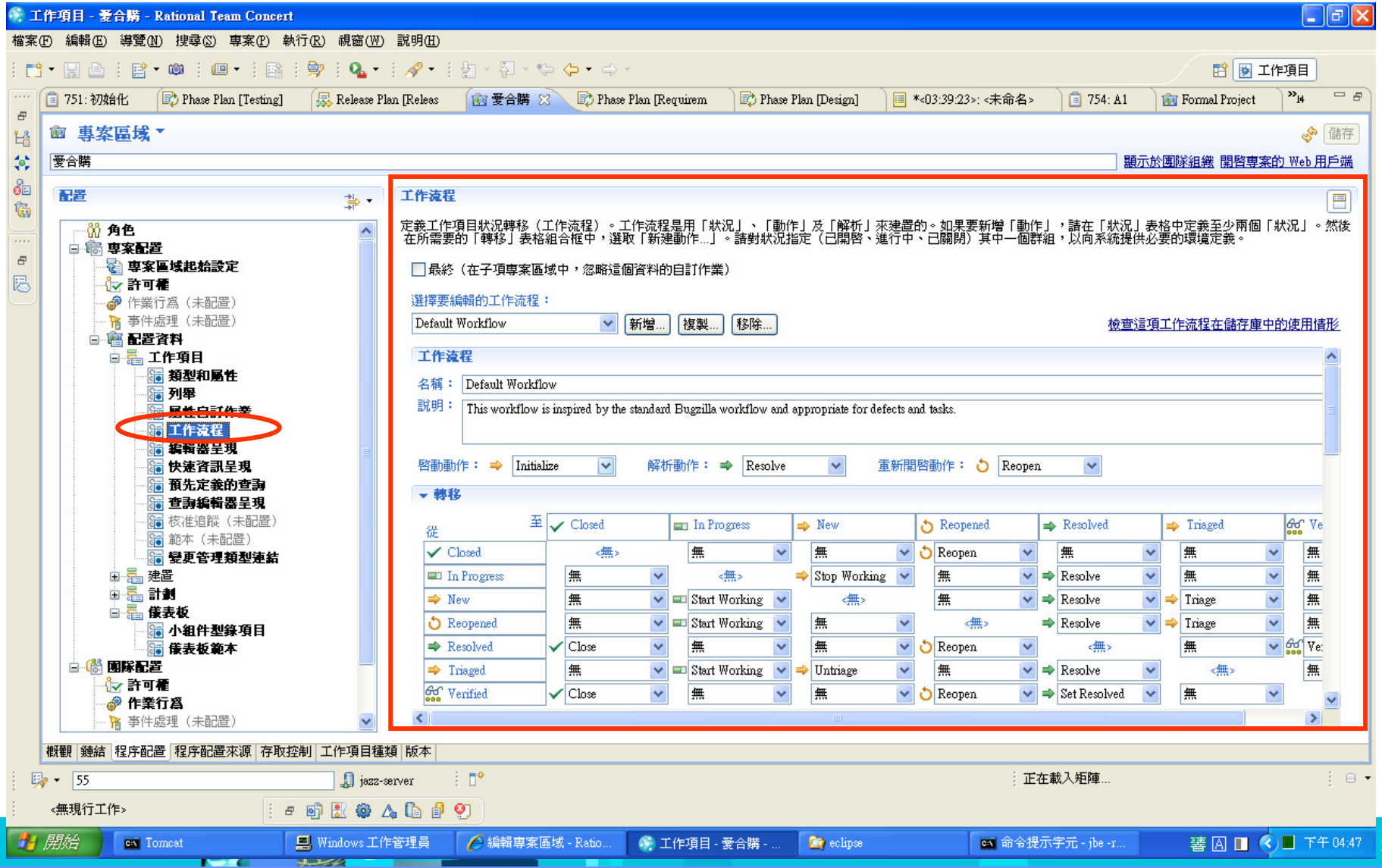
-工作項目種類依專案的各種元件或功能範圍來分組工作項目。每個種類都會有相關聯的團隊區域，團隊區域成員負責開發該元件。





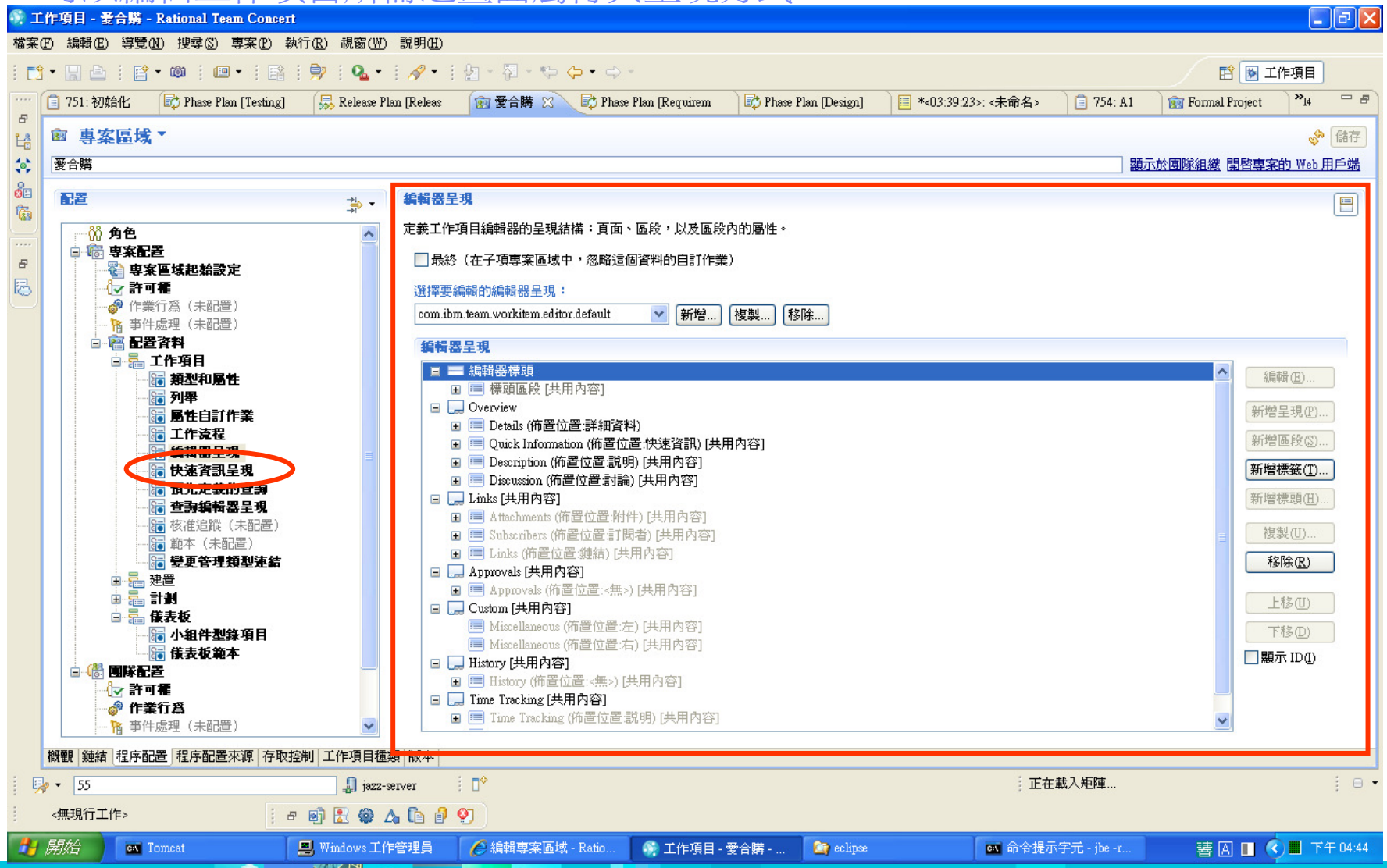
工作項目流程編輯 (Work Item Workflow)

-可以依據不同流程的需要編輯工作項目流程狀態(state)與轉移的動作(Action)

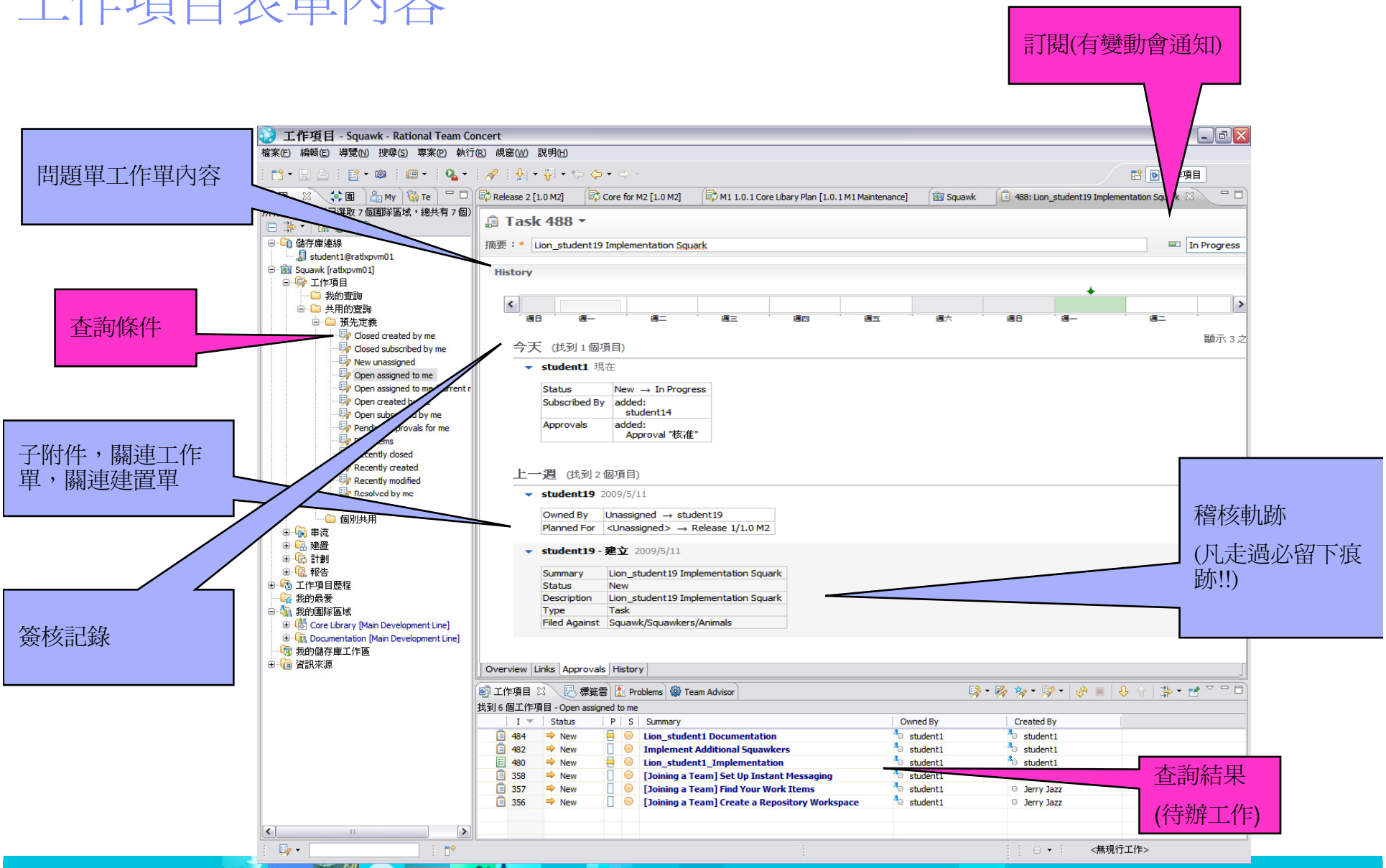


工作項目表單畫面編輯

-可以編輯工作項目所需之畫面屬行與呈現方式



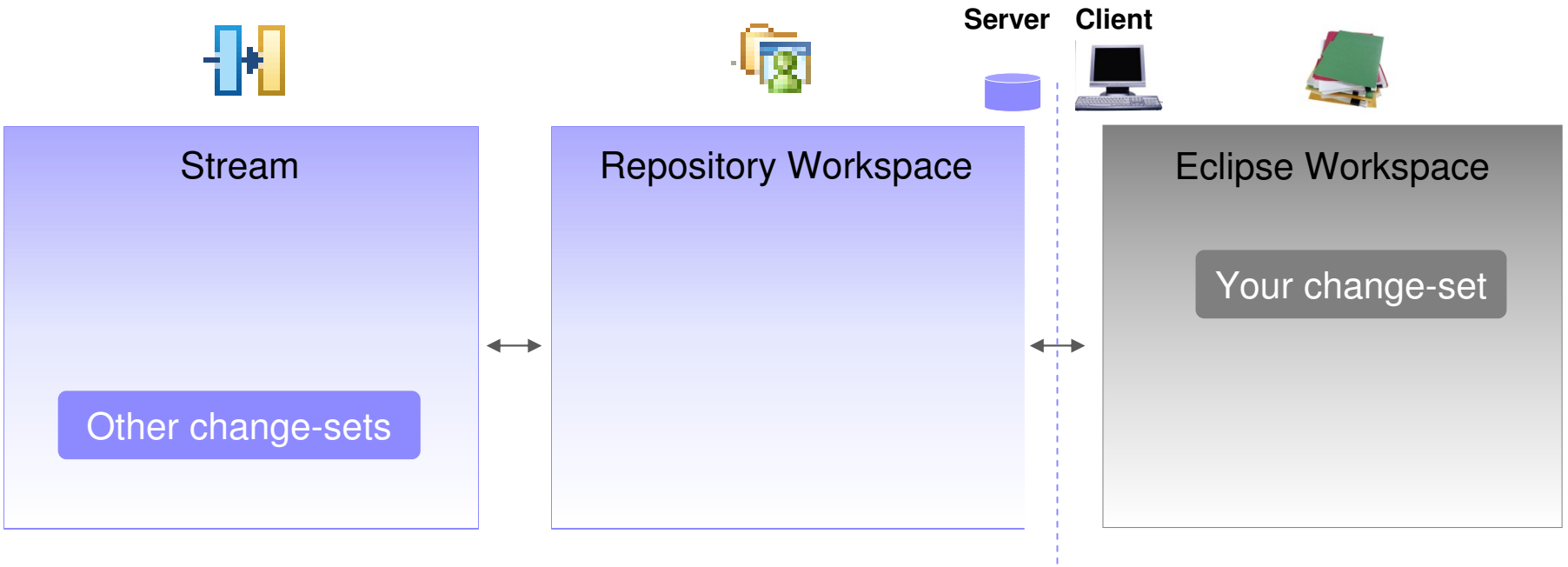
工作項目表單內容


訂閱(有變動會通知)
問題單工作單內容
查詢條件
子附件，關連工作單，關連建置單
簽核記錄
稽核軌跡
(凡走過必留下痕跡!!)
查詢結果
(待辦工作)
工作項目 - Squawk - Rational Team Concert
Task 488
摘要：* Lion_student19 Implementation Squark
In Progress
History
今天 (找到 1 個項目)
student1 現在
Status New → In Progress
Subscribed By added: student14
Approvals added: Approval "核准"
上一週 (找到 2 個項目)
student19 2009/5/11
Owned By Unassigned → student19
Planned For <Unassigned> → Release 1/1.0 M2
student19 - 建立 2009/5/11
Summary Lion_student19 Implementation Squark
Status New
Description Lion_student19 Implementation Squark
Type Task
Filed Against Squawk/Squawkers/Animals
Overview Links Approvals History
找到 6 個工作項目 - Open assigned to me
484 New Lion_student1 Documentation student1 student1
482 New Implement Additional Squawkers student1 student1
480 New Lion_student1_Implementation student1 student1
358 New [Joining a Team] Set Up Instant Messaging student1
357 New [Joining a Team] Find Your Work Items student1 Jerry Jazz
356 New [Joining a Team] Create a Repository Workspace student1 Jerry Jazz

Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- 專案管理與風險管理
- 工作項目管理
- **版本管控與多點(Multi-Site)開發管理**
- 專案監控與管理
- 總結

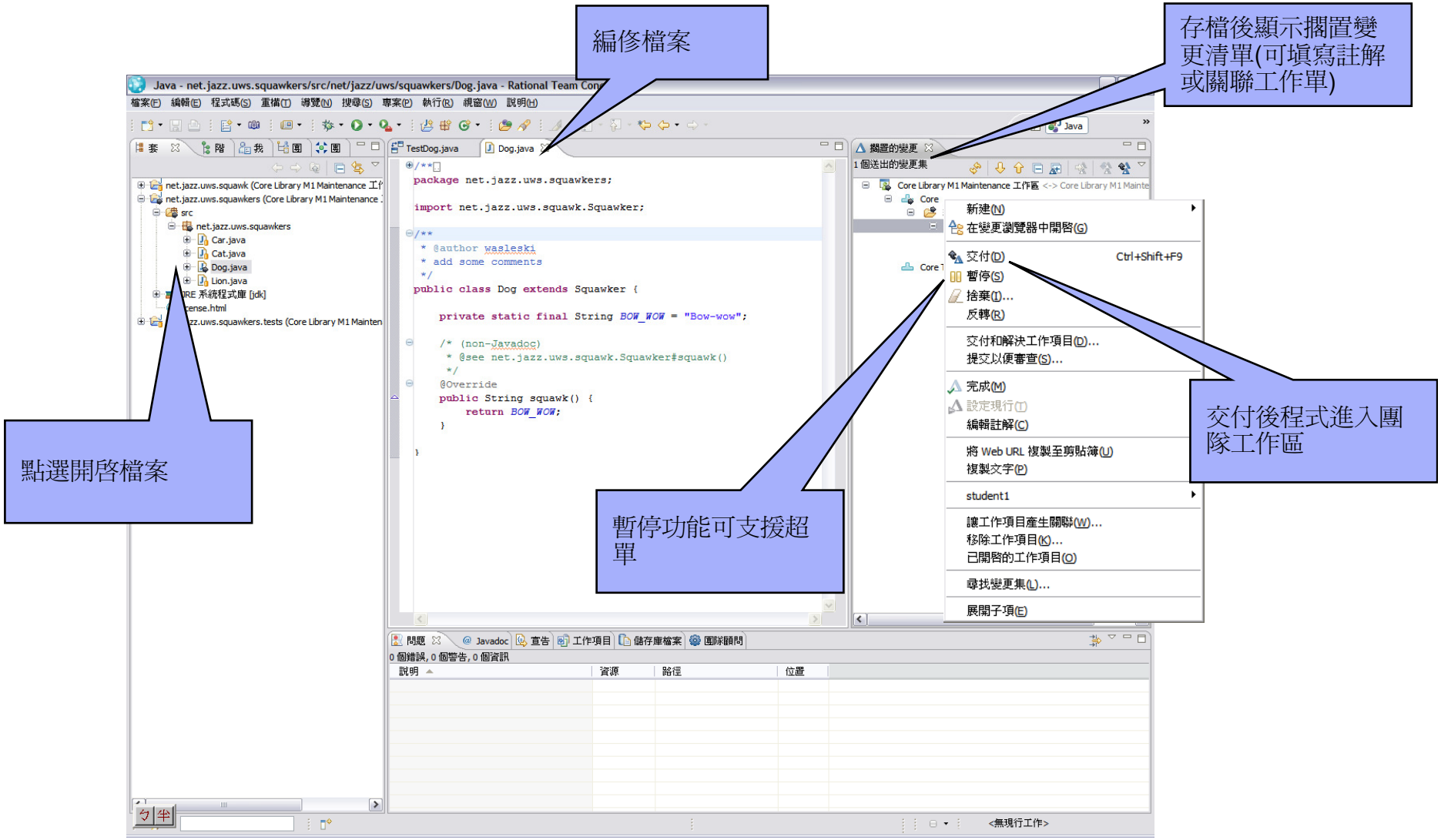
RTC 版本管控概念



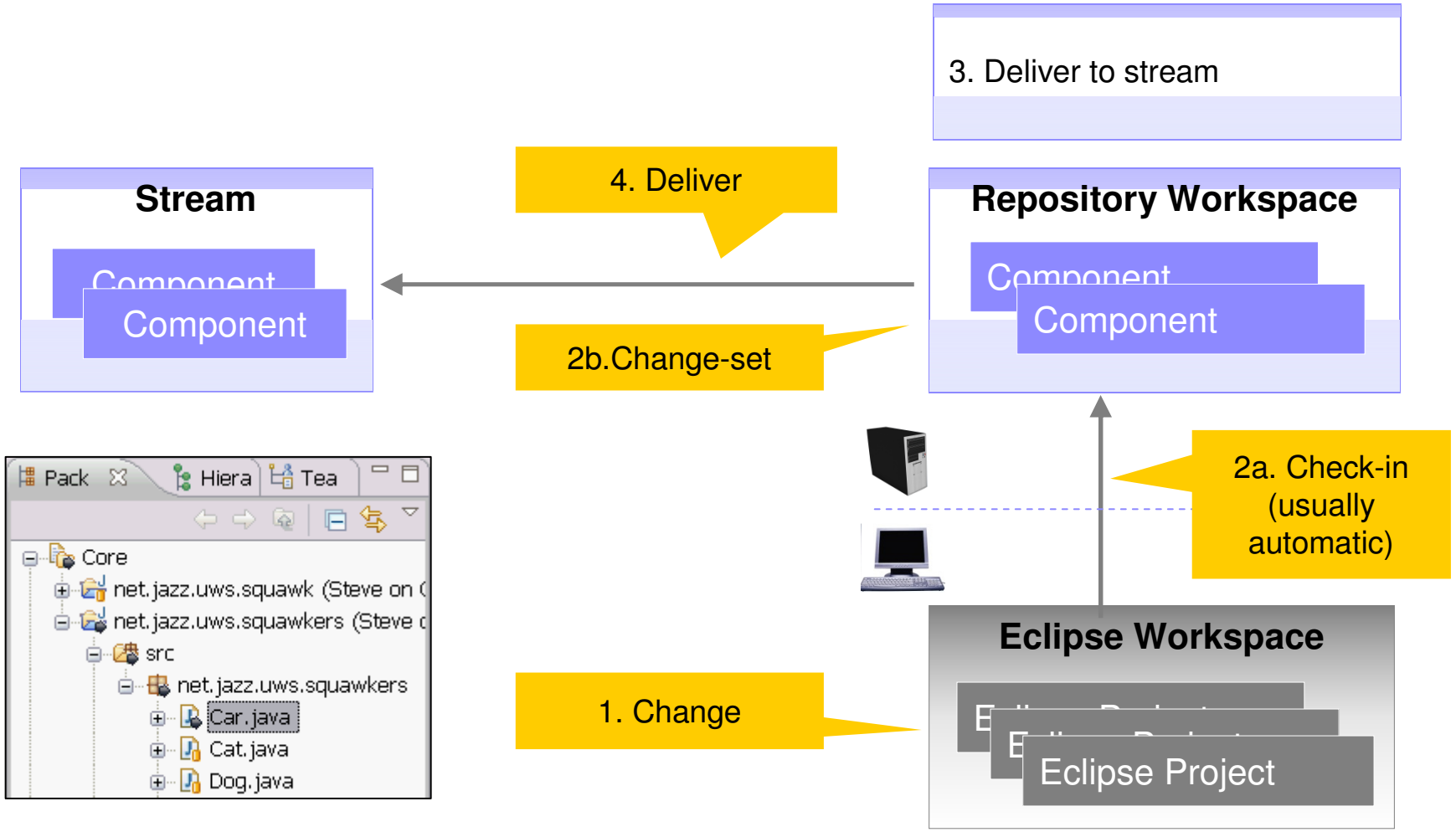
- Eclipse workspaces are where you work
- Repository workspaces are your personal space
- Streams are for sharing
- Change-sets flow back and forth

32

程式變更 簽出/簽入

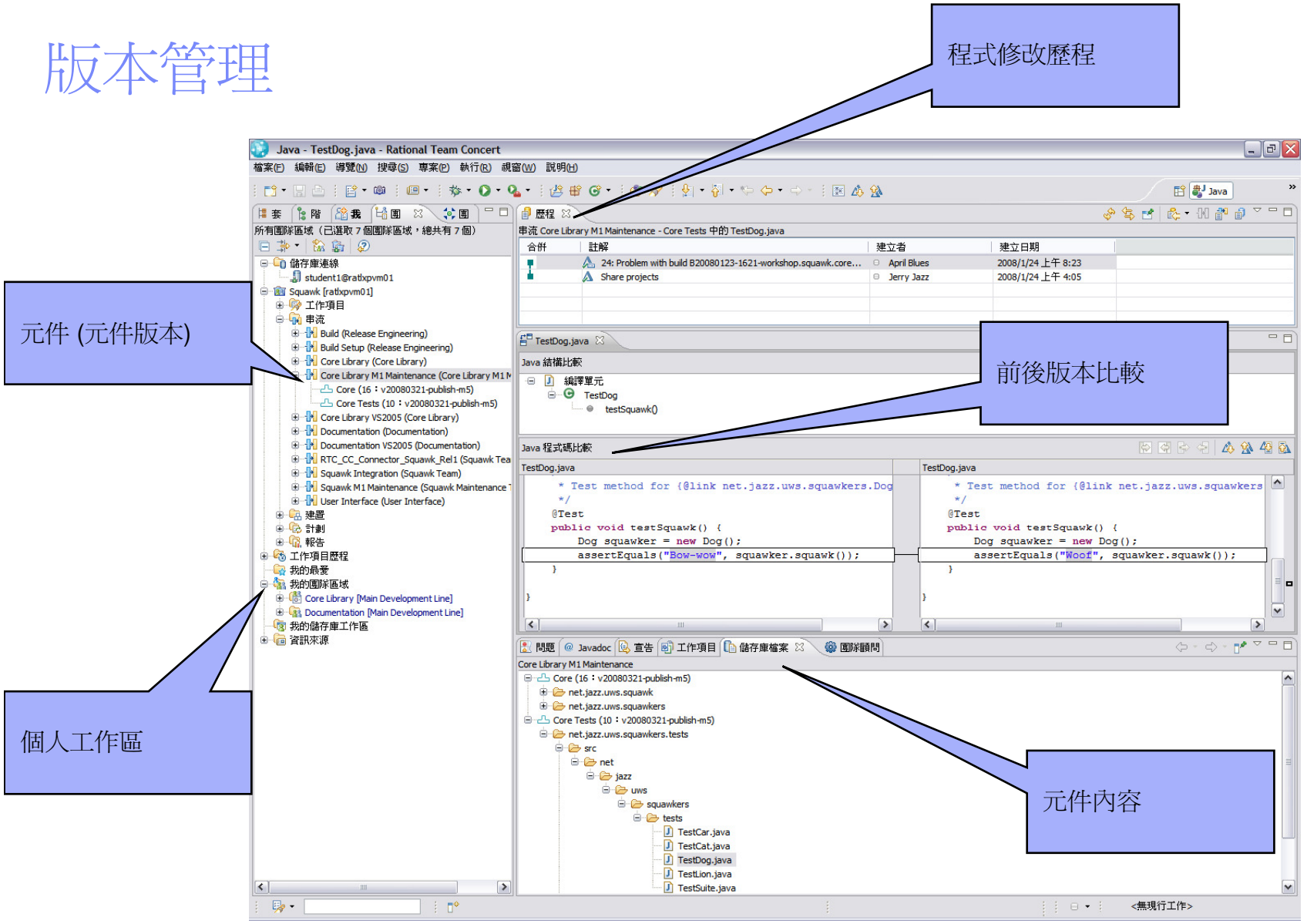

編修檔案
存檔後顯示擱置變更清單(可填寫註解或關聯工作單)
點選開啓檔案
暫停功能可支援超單
交付後程式進入團隊工作區

RTC 版本管控運作

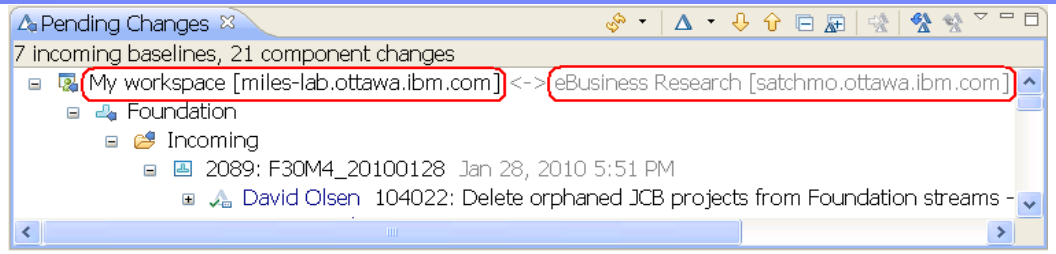


34

版本管理

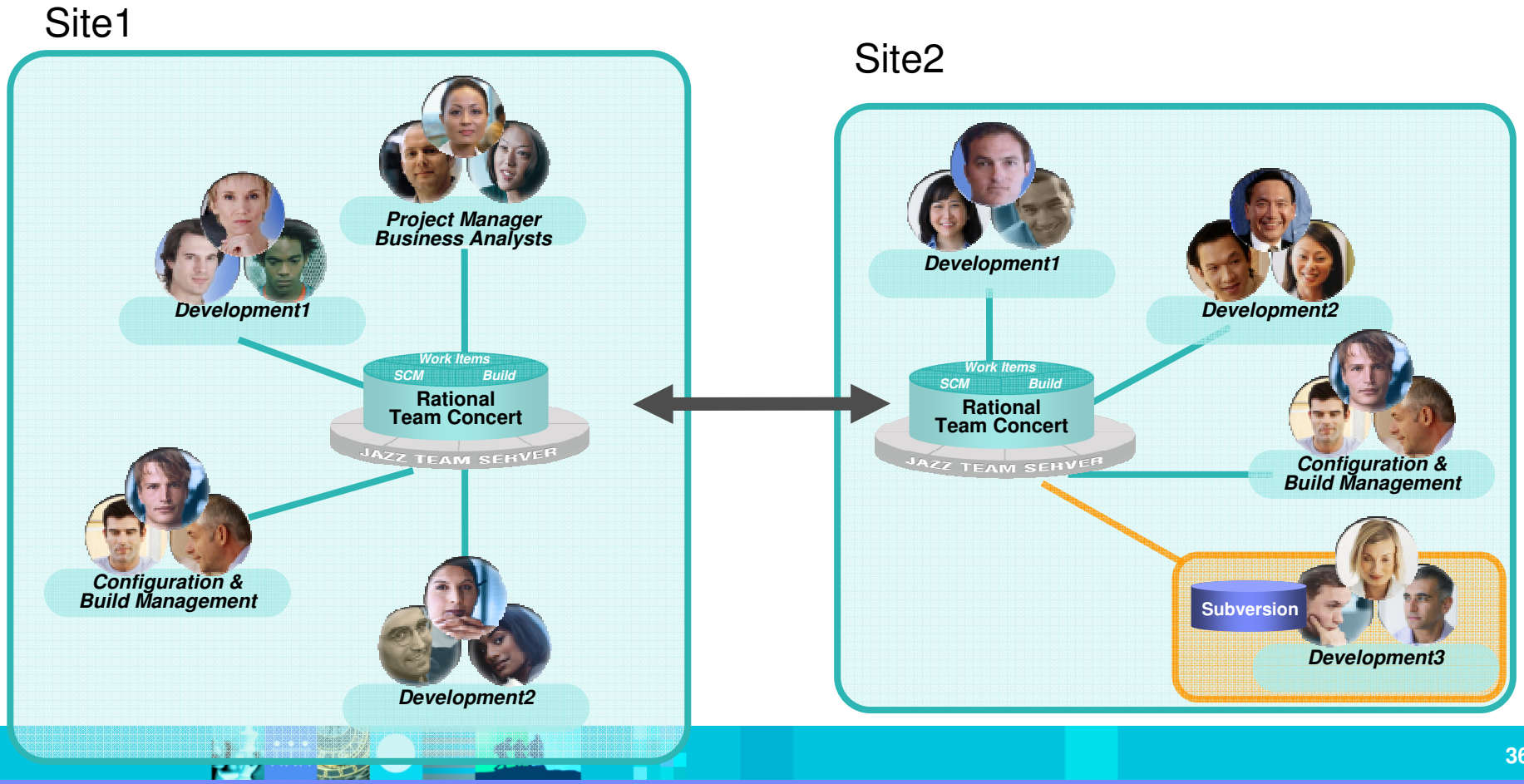

程式修改歷程
元件 (元件版本)
前後版本比較
個人工作區
元件內容
Java - TestDog.java - Rational Team Concert
檔案(F) 編輯(E) 導覽(N) 搜尋(S) 專案(P) 執行(R) 視窗(W) 說明(H)
所有團隊區域（已選取 7 個團隊區域，總共有 7 個）
儲存庫連線
student1@ratlxpvm01
Squawk [ratlxpvm01]
工作項目
串流
Build (Release Engineering)
Build Setup (Release Engineering)
Core Library (Core Library)
Core Library M1 Maintenance (Core Library M1 M
Core (16：v20080321-publish-m5)
Core Tests (10：v20080321-publish-m5)
Core Library VS2005 (Core Library)
Documentation (Documentation)
Documentation VS2005 (Documentation)
RTC_CC_Connector_Squawk_Rel1 (Squawk Tea
Squawk Integration (Squawk Team)
Squawk M1 Maintenance (Squawk Maintenance
User Interface (User Interface)
建置
計劃
報告
工作項目歷程
我的最愛
我的團隊區域
Core Library [Main Development Line]
Documentation [Main Development Line]
我的儲存庫工作區
資訊來源
歷程
串流 Core Library M1 Maintenance - Core Tests 中的 TestDog.java
合併 註解 建立者 建立日期
24: Problem with build B20080123-1621-workshop.squawk.core... April Blues 2008/1/24 上午 8:23
Share projects Jerry Jazz 2008/1/24 上午 4:05
TestDog.java
Java 結構比較
編譯單元
TestDog
testSquawk()
Java 程式碼比較
TestDog.java
* Test method for {@link net.jazz.uws.squawkers.Dog
*/
@Test
public void testSquawk() {
Dog squawker = new Dog();
assertEquals("Bow-wow", squawker.squawk());
}
}
TestDog.java
* Test method for {@link net.jazz.uws.squawkers
*/
@Test
public void testSquawk() {
Dog squawker = new Dog();
assertEquals("Woof", squawker.squawk());
}
}
問題 Javadoc 宣告 工作項目 儲存庫檔案 團隊顧問
Core Library M1 Maintenance
Core (16：v20080321-publish-m5)
net.jazz.uws.squawk
net.jazz.uws.squawkers
Core Tests (10：v20080321-publish-m5)
net.jazz.uws.squawkers.tests
src
net
jazz
uws
squawkers
tests
TestCar.java
TestCat.java
TestDog.java
TestLion.java
TestSuite.java
<無現行工作>

分散式的程式碼控管



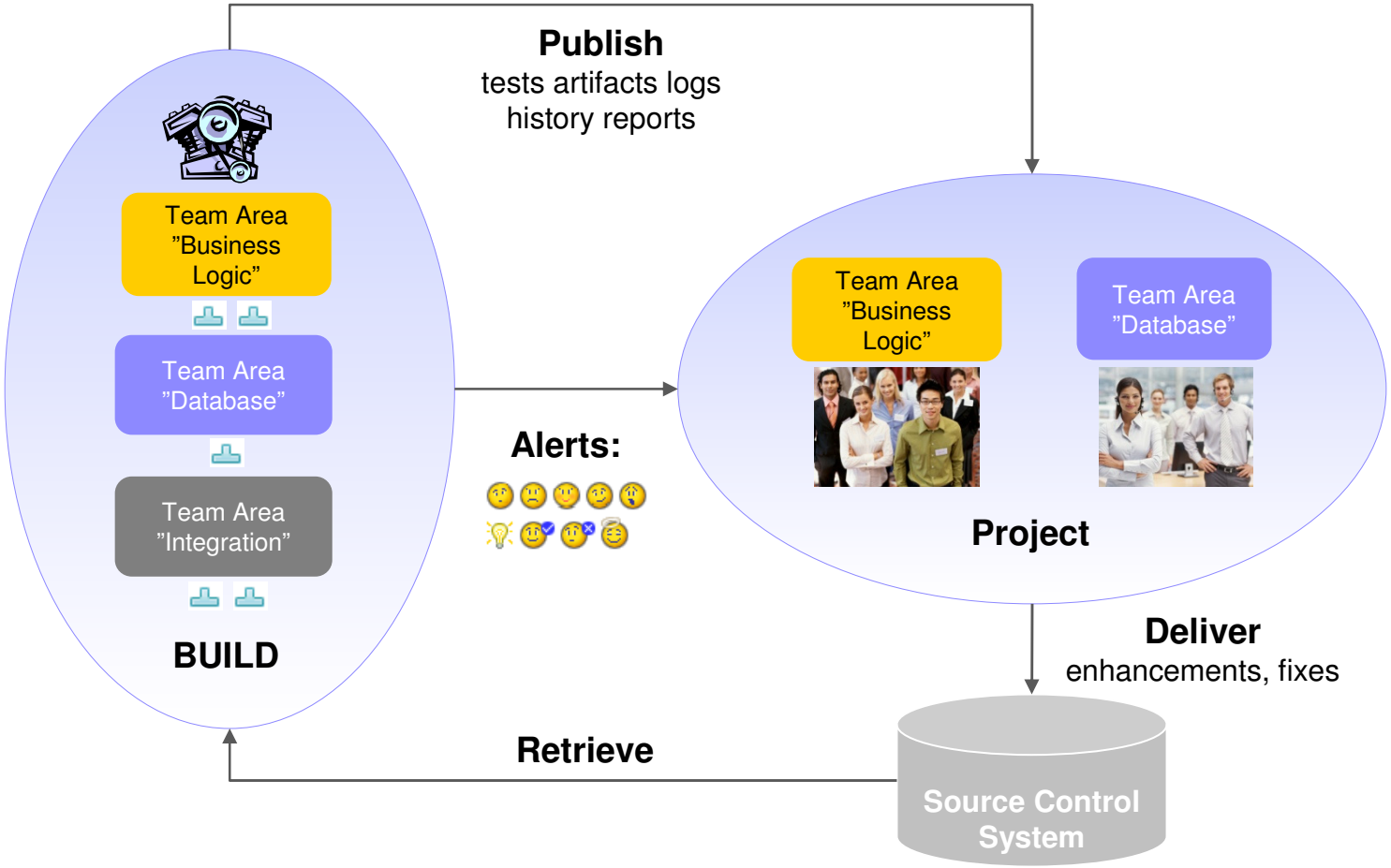
Distributed source control

You can now flow components and change sets between workspaces and streams hosted on different repositories. In the Pending Changes view, select a workspace and pick "Change Flow Target". The dialog now lets you pick a stream or a workspace from any repository you are connected to.



建置管理- Building the software

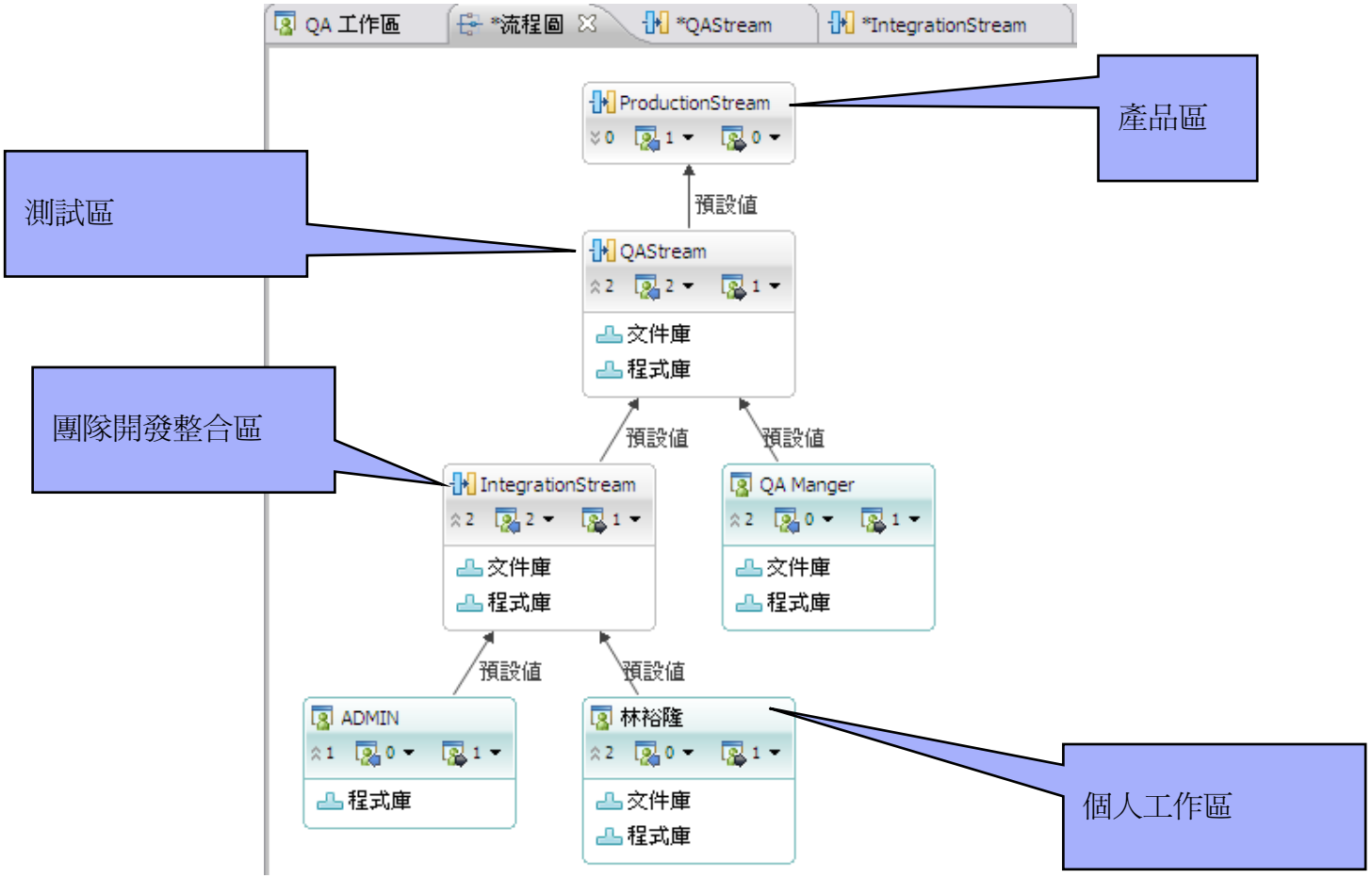
All build-related items belong to a project area, and build-related operations are governed by project progress



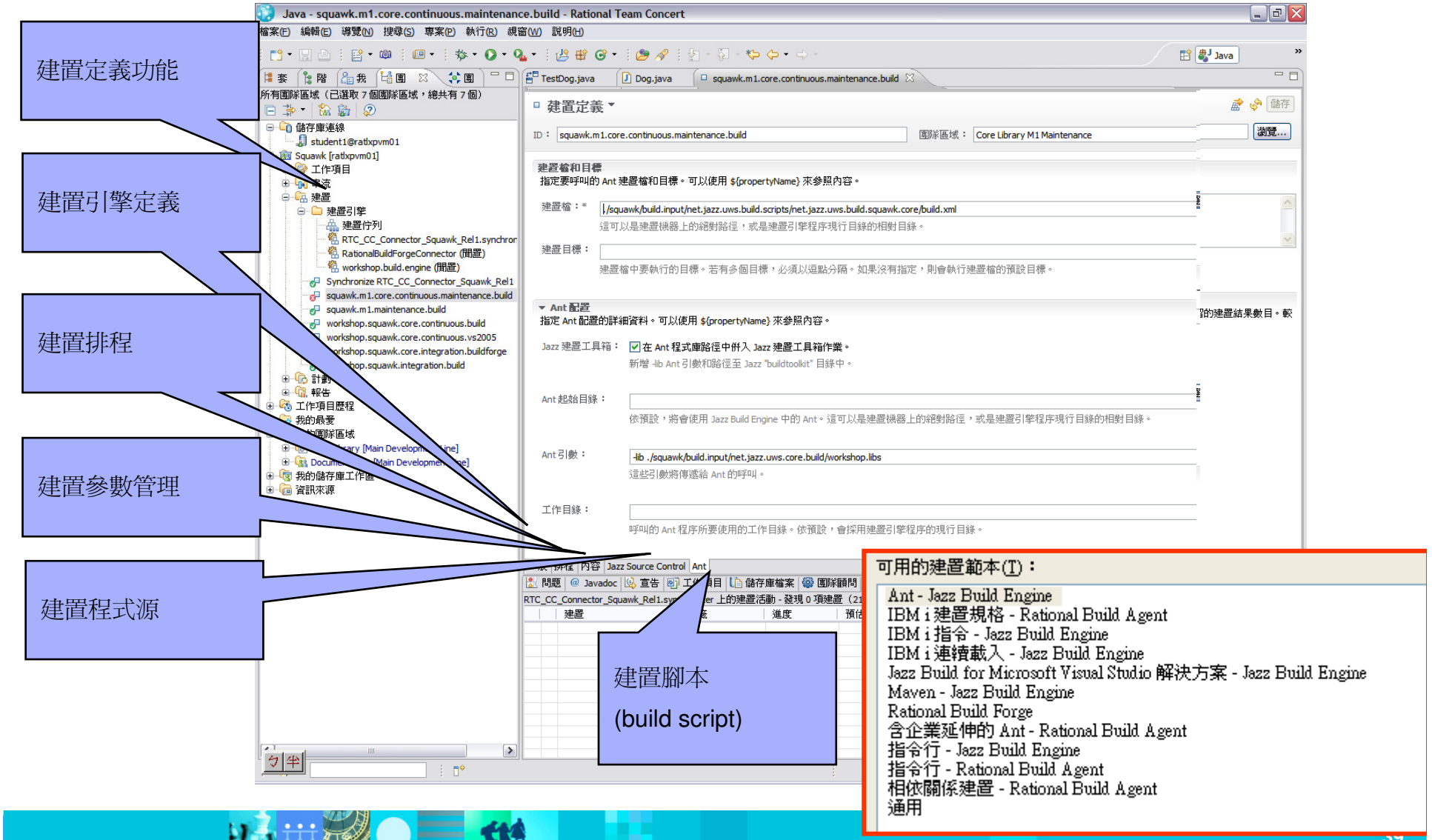
37

RTC 程式流程圖

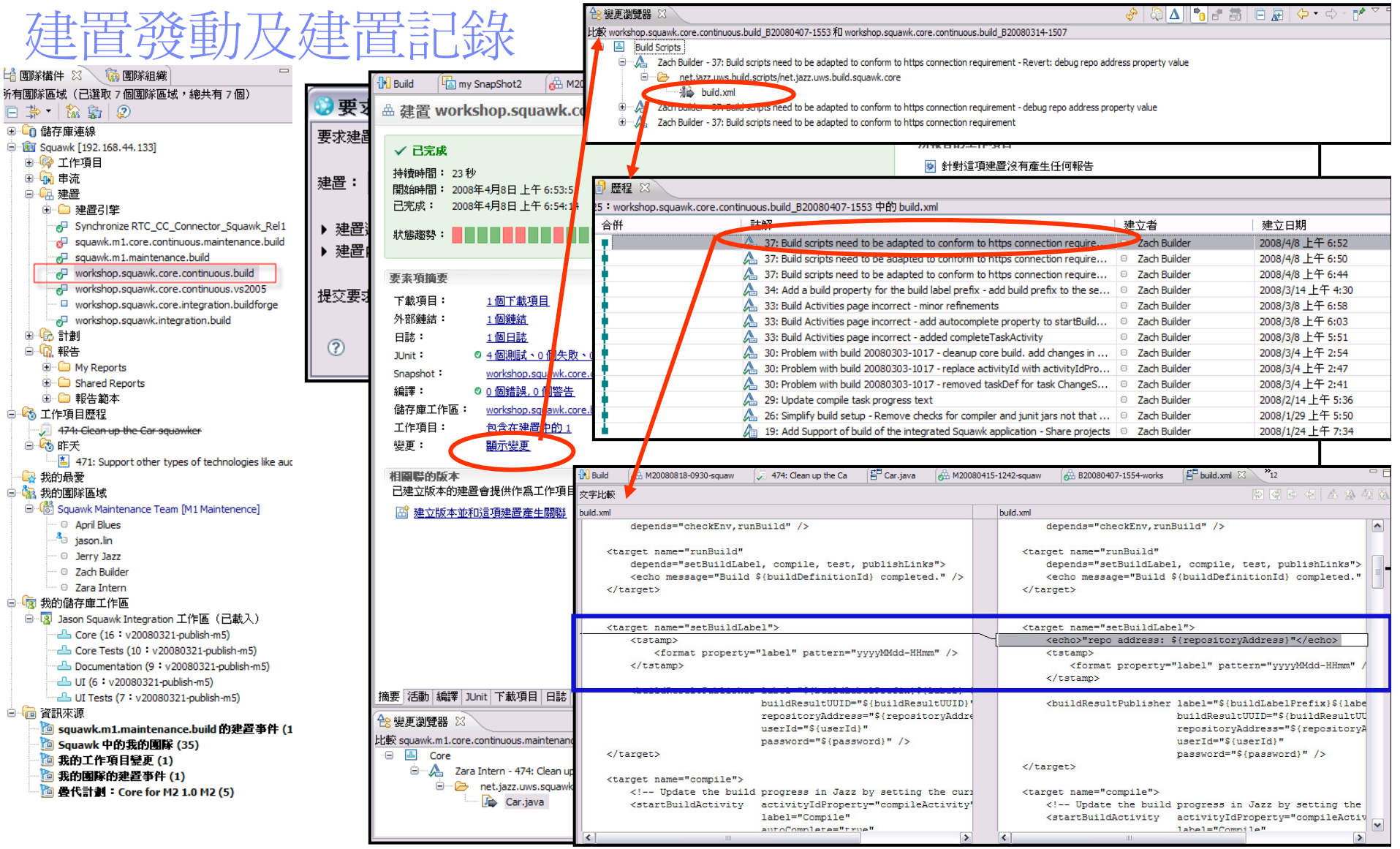
-可以圖示化了解程式流向管理



建置管理(建置定義)


建置定義功能
建置引擎定義
建置排程
建置參數管理
建置程式源
建置腳本
(build script)
Java - squawk.m1.core.continuous.maintenance.build - Rational Team Concert
建置定義
可用的建置範本(T)：
Ant - Jazz Build Engine
IBM i 建置規格 - Rational Build Agent
IBM i 指令 - Jazz Build Engine
IBM i 連續載入 - Jazz Build Engine
Jazz Build for Microsoft Visual Studio 解決方案 - Jazz Build Engine
Maven - Jazz Build Engine
Rational Build Forge
含企業延伸的 Ant - Rational Build Agent
指令行 - Jazz Build Engine
指令行 - Rational Build Agent
相依關係建置 - Rational Build Agent
通用

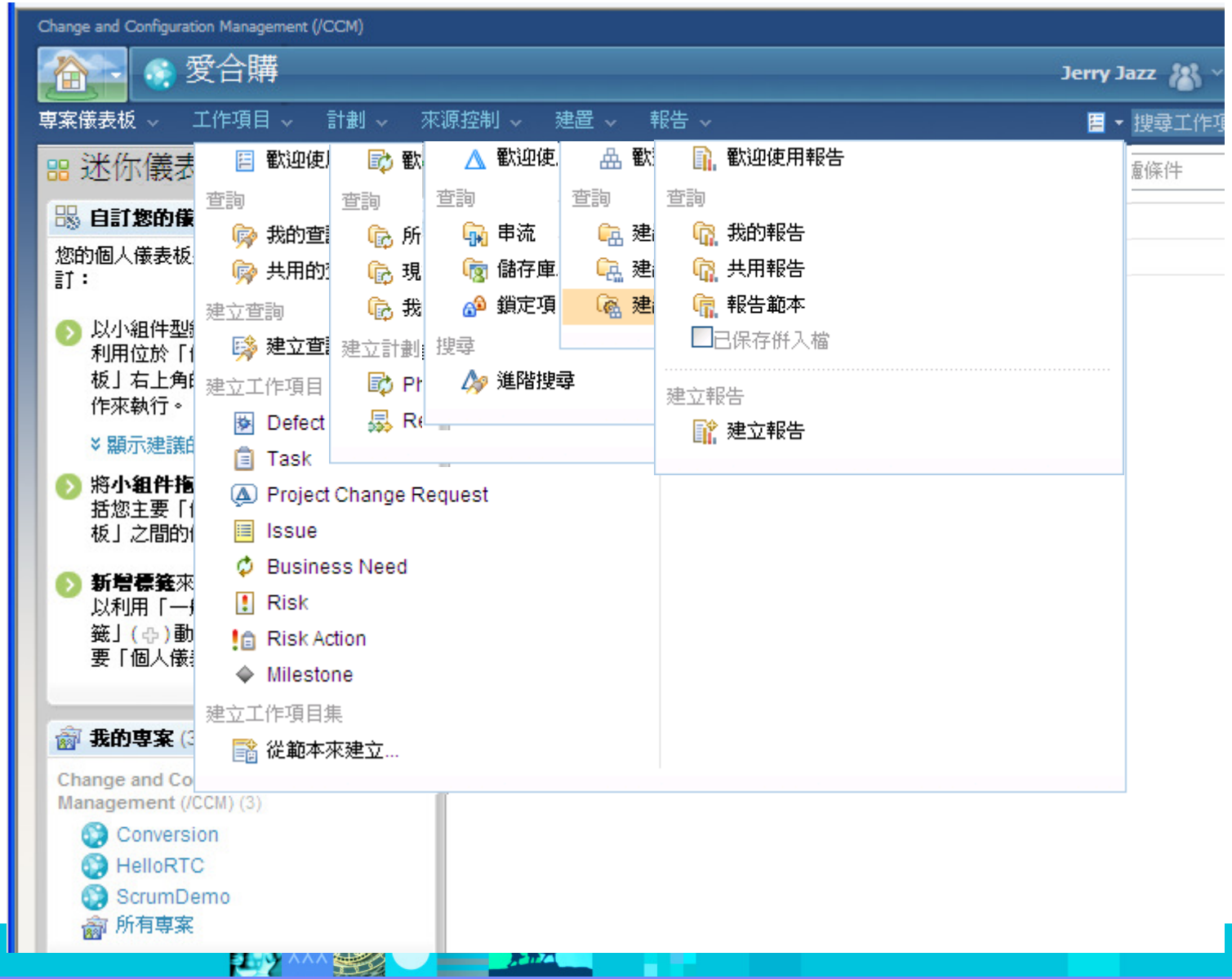
建置發動及建置記錄


團隊檔件
團隊組織
所有團隊區域（已選取 7 個團隊區域，總共有 7 個）
儲存庫連線
Squawk [192.168.44.133]
工作項目
串流
建置
建置引擎
Synchronize RTC_CC_Connector_Squawk_Rel1
squawk.m1.core.continuous.maintenance.build
squawk.m1.maintenance.build
workshop.squawk.core.continuous.build
workshop.squawk.core.continuous.vs2005
workshop.squawk.core.integration.buildforge
workshop.squawk.integration.build
計劃
報告
My Reports
Shared Reports
報告範本
工作項目歷程
474: Clean up the Car squawker
昨天
471: Support other types of technologies like auc
我的最愛
我的團隊區域
Squawk Maintenance Team [M1 Maintenence]
April Blues
jason.lin
Jerry Jazz
Zach Builder
Zara Intern
我的儲存庫工作區
Jason Squawk Integration 工作區（已載入）
Core (16：v20080321-publish-m5)
Core Tests (10：v20080321-publish-m5)
Documentation (9：v20080321-publish-m5)
UI (6：v20080321-publish-m5)
UI Tests (7：v20080321-publish-m5)
資訊來源
squawk.m1.maintenance.build 的建置事件 (1
Squawk 中的我的團隊 (35)
我的工作項目變更 (1)
我的團隊的建置事件 (1)
疊代計劃：Core for M2 1.0 M2 (5)
Build
my SnapShot2
建置 workshop.squawk.co
已完成
持續時間： 23 秒
開始時間： 2008年4月8日 上午 6:53:5
已完成： 2008年4月8日 上午 6:54:1
狀態趨勢：
要素項摘要
下載項目： 1 個下載項目
外部鏈結： 1 個鏈結
日誌： 1 個日誌
JUnit： 4 個測試、0 個失敗、
Snapshot： workshop.squawk.core.
編譯： 0 個錯誤, 0 個警告
儲存庫工作區： workshop.squawk.core.
工作項目： 包含在建置中的 1
變更： 顯示變更
相關聯的版本
已建立版本的建置會提供作爲工作項目
建立版本並和這項建置產生關聯
摘要 活動 編譯 JUnit 下載項目 日誌
變更瀏覽器
比較 squawk.m1.core.continuous.maintenanc
Core
Zara Intern - 474: Clean up
net.jazz.uws.squawk
Car.java
變更瀏覽器
比較 workshop.squawk.core.continuous.build_B20080407-1553 和 workshop.squawk.core.continuous.build_B20080314-1507
Build Scripts
Zach Builder - 37: Build scripts need to be adapted to conform to https connection requirement - Revert: debug repo address property value
net.jazz.uws.build.scripts/net.jazz.uws.build.squawk.core
build.xml
Zach Builder - 37: Build scripts need to be adapted to conform to https connection requirement - debug repo address property value
Zach Builder - 37: Build scripts need to be adapted to conform to https connection requirement
針對這項建置沒有產生任何報告
歷程
5：workshop.squawk.core.continuous.build_B20080407-1553 中的 build.xml
合併
註解
建立者
建立日期
37: Build scripts need to be adapted to conform to https connection require... Zach Builder 2008/4/8 上午 6:52
37: Build scripts need to be adapted to conform to https connection require... Zach Builder 2008/4/8 上午 6:50
37: Build scripts need to be adapted to conform to https connection require... Zach Builder 2008/4/8 上午 6:44
34: Add a build property for the build label prefix - add build prefix to the se... Zach Builder 2008/3/14 上午 4:30
33: Build Activities page incorrect - minor refinements Zach Builder 2008/3/8 上午 6:58
33: Build Activities page incorrect - add autocomplete property to startBuild... Zach Builder 2008/3/8 上午 6:03
33: Build Activities page incorrect - added completeTaskActivity Zach Builder 2008/3/8 上午 5:51
30: Problem with build 20080303-1017 - cleanup core build. add changes in ... Zach Builder 2008/3/4 上午 2:54
30: Problem with build 20080303-1017 - replace activityId with activityIdPro... Zach Builder 2008/3/4 上午 2:47
30: Problem with build 20080303-1017 - removed taskDef for task ChangeS... Zach Builder 2008/3/4 上午 2:41
29: Update compile task progress text Zach Builder 2008/2/14 上午 5:36
26: Simplify build setup - Remove checks for compiler and junit jars not that ... Zach Builder 2008/1/29 上午 5:50
19: Add Support of build of the integrated Squawk application - Share projects Zach Builder 2008/1/24 上午 7:34
Build
M20080818-0930-squaw
474: Clean up the Ca
Car.java
M20080415-1242-squaw
B20080407-1554-works
build.xml
文字比較
build.xml
depends="checkEnv,runBuild" />
<target name="runBuild"
depends="setBuildLabel, compile, test, publishLinks">
<echo message="Build ${buildDefinitionId} completed." />
</target>
<target name="setBuildLabel">
<tstamp>
<format property="label" pattern="yyyyMMdd-HHmm" />
</tstamp>
buildResultUUID="${buildResultUUID}"
repositoryAddress="${repositoryAddre
userId="${userId}"
password="${password}" />
</target>
<target name="compile">
<!-- Update the build progress in Jazz by setting the curr
<startBuildActivity activityIdProperty="compileActivity"
label="Compile"
autoComplete="true"
build.xml
depends="checkEnv,runBuild" />
<target name="runBuild"
depends="setBuildLabel, compile, test, publishLinks">
<echo message="Build ${buildDefinitionId} completed."
</target>
<target name="setBuildLabel">
<echo>"repo address: ${repositoryAddress}"</echo>
<tstamp>
<format property="label" pattern="yyyyMMdd-HHmm" />
</tstamp>
<buildResultPublisher label="${buildLabelPrefix}${labe
buildResultUUID="${buildResultUU
repositoryAddress="${repositoryA
userId="${userId}"
password="${password}" />
</target>
<target name="compile">
<!-- Update the build progress in Jazz by setting the
<startBuildActivity activityIdProperty="compileActiv
label="Compile"

Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- 專案管理與風險管理
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- **專案監控與管理**
- 總結

RTC Web 2.0介面


Change and Configuration Management (/CCM)
愛合購
Jerry Jazz
專案儀表板
工作項目
計劃
來源控制
建置
報告
搜尋工作項
迷你儀表
自訂您的儀
您的個人儀表板
訂：
以小組件型
利用位於「
板」右上角
作來執行。
顯示建議
將小組件拖
括您主要「
板」之間的
新增標籤來
以利用「一
籤」(+)動
要「個人儀
我的專案 (3
Change and Co
Management (/CCM) (3)
Conversion
HelloRTC
ScrumDemo
所有專案
查詢
我的查
共用的
建立查詢
建立查
建立工作項目
Defect
Task
Project Change Request
Issue
Business Need
Risk
Risk Action
Milestone
建立工作項目集
從範本來建立...
歡迎使
查詢
所
現
我
建立計劃
Pl
Re
歡迎使
查詢
串流
儲存庫
鎖定項
搜尋
進階搜尋
查詢
歡迎使用報告
查詢
我的報告
共用報告
報告範本
已保存併入檔
建立報告
建立報告
處條件

專案/團隊/個人儀表板

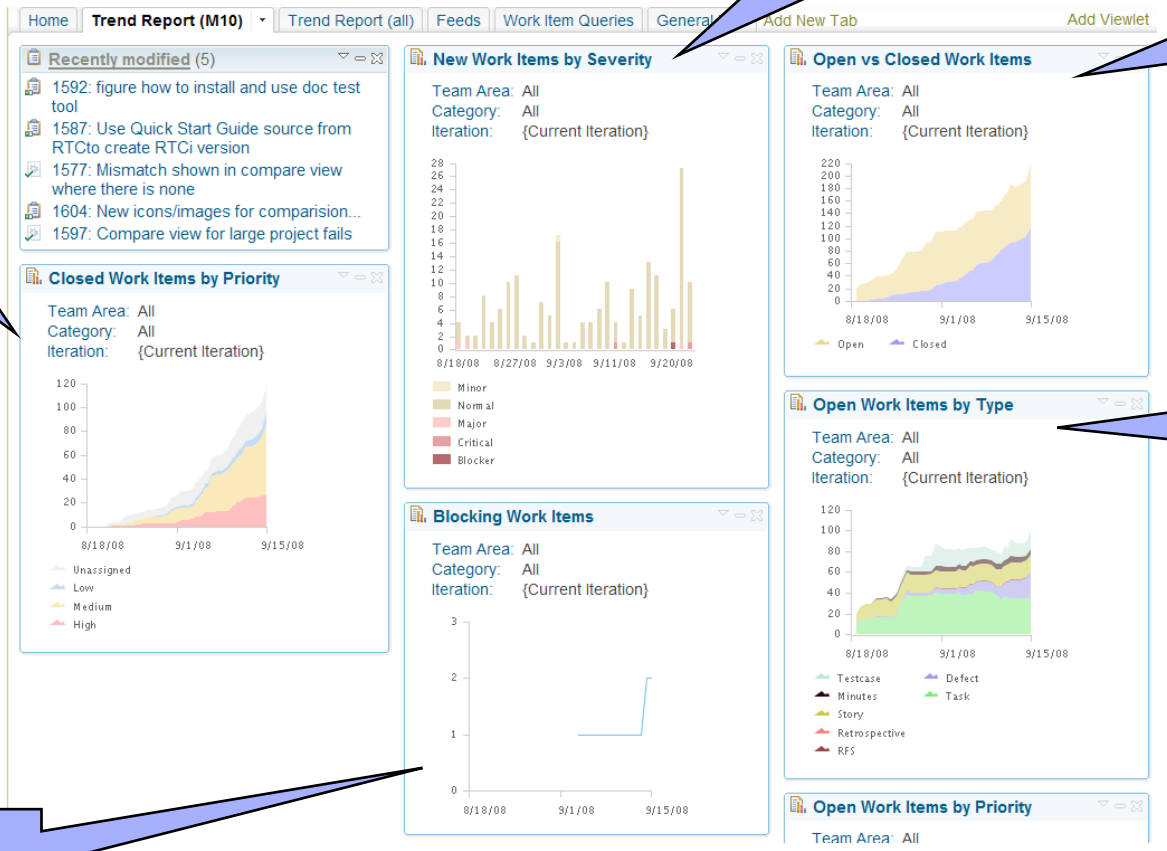
新開立工作數時間序列

開立/結案工作統計

已結案工作項目統計

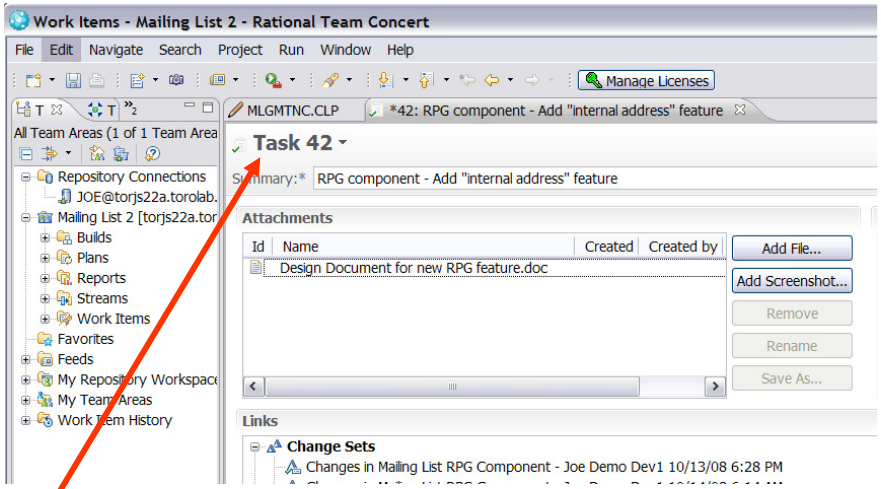
依類別統計之未結案工作

障礙工作統計



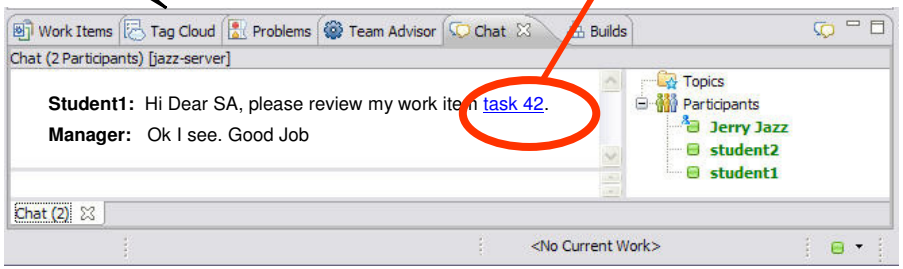
成員溝通

可看見團隊成員的進度

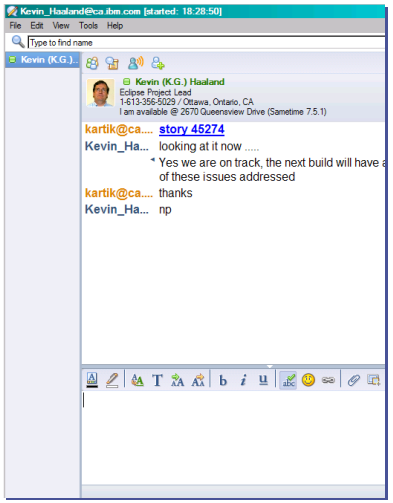


可透過Instant Messengers 與其他專案成員討論

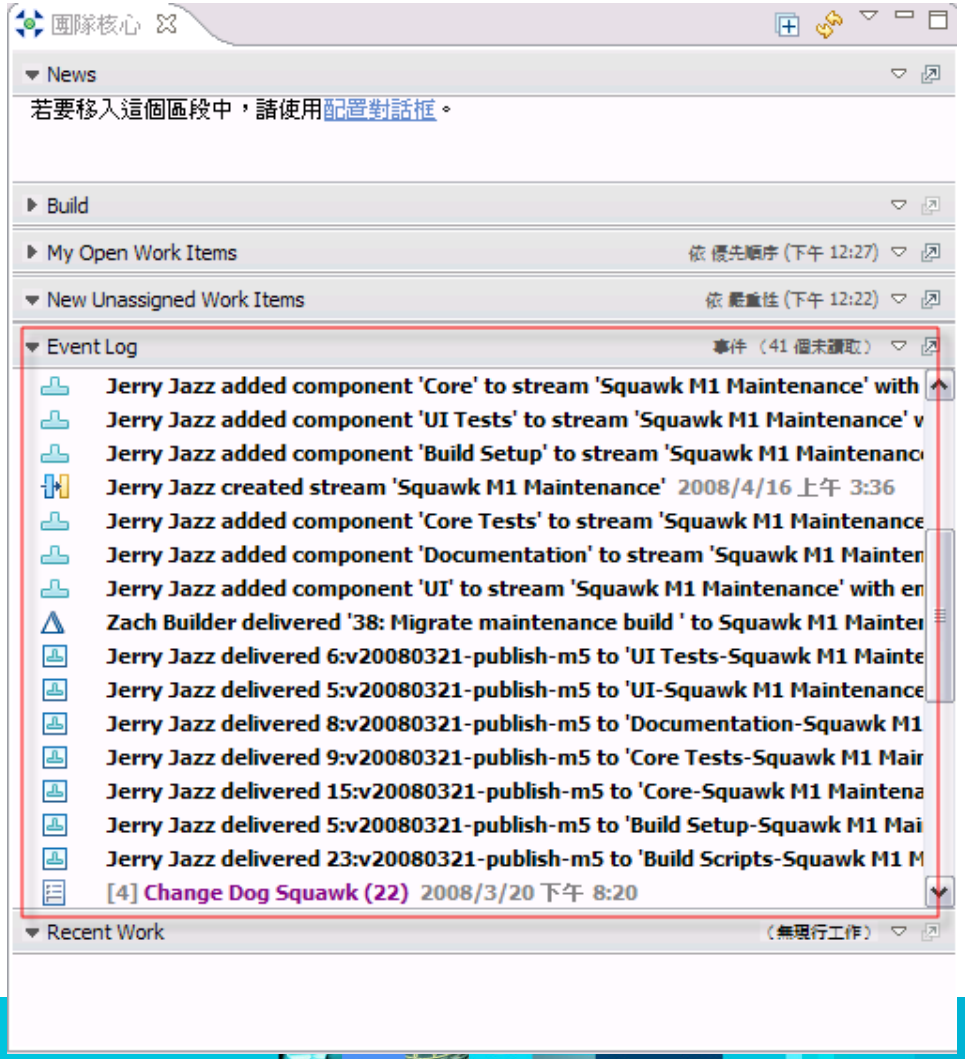
Jabber

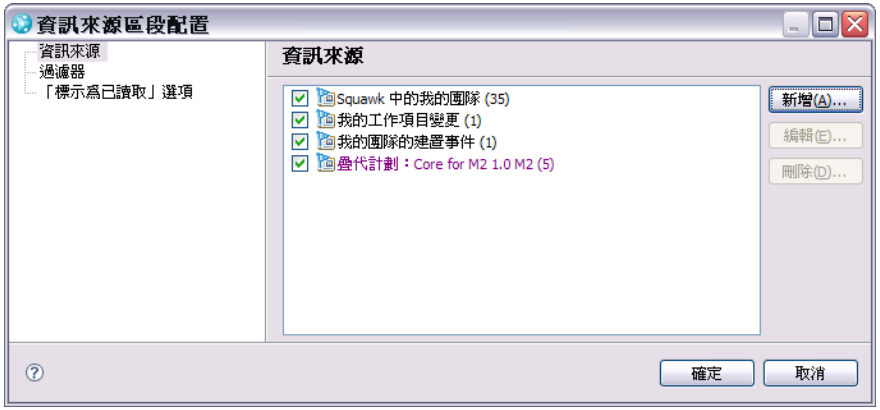


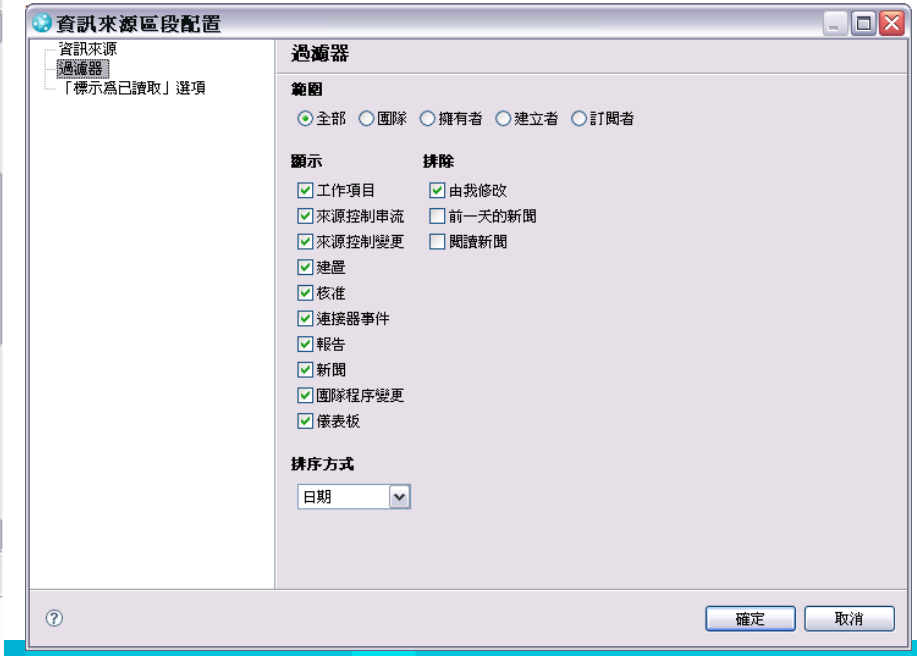
Sametime



RSS事件訂閱-掌握即時資訊







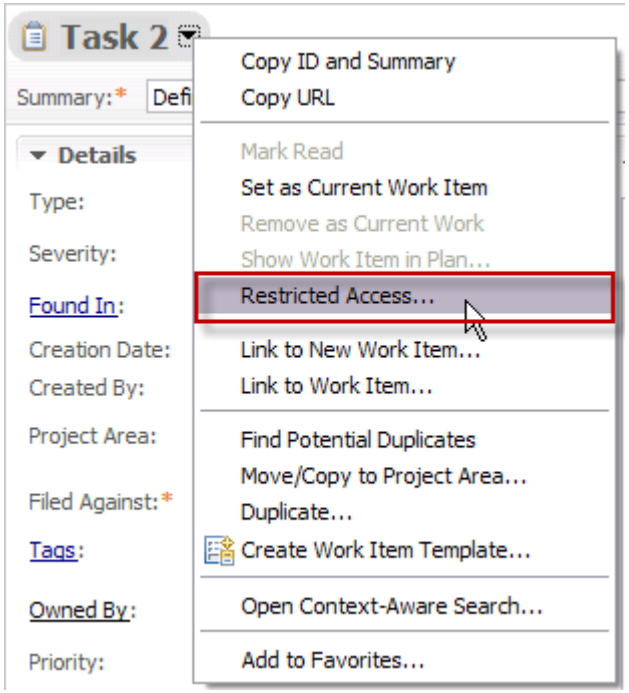
RTC 可設定專案的存取權限原則

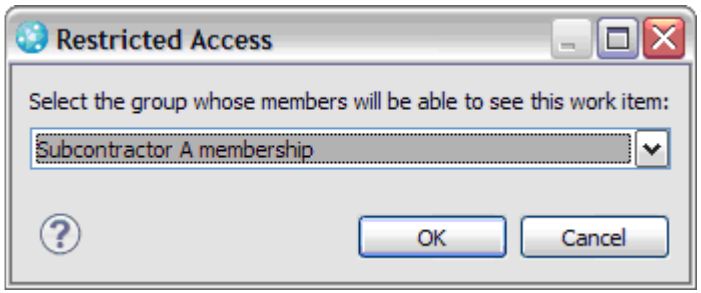
RTC 可依角色設定各項動作的權限

RTC 的檔案權限管控

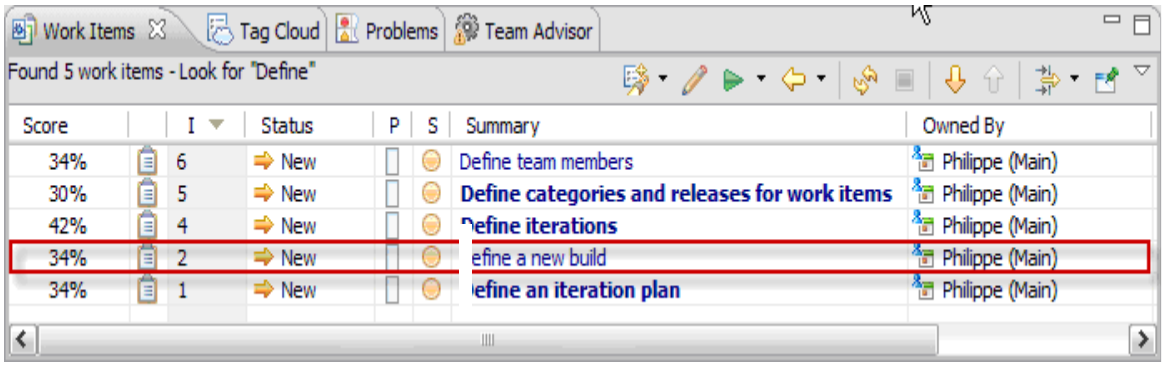
資料權限的控制

-透過 Retricted Access 來控制有權限的人才可看到

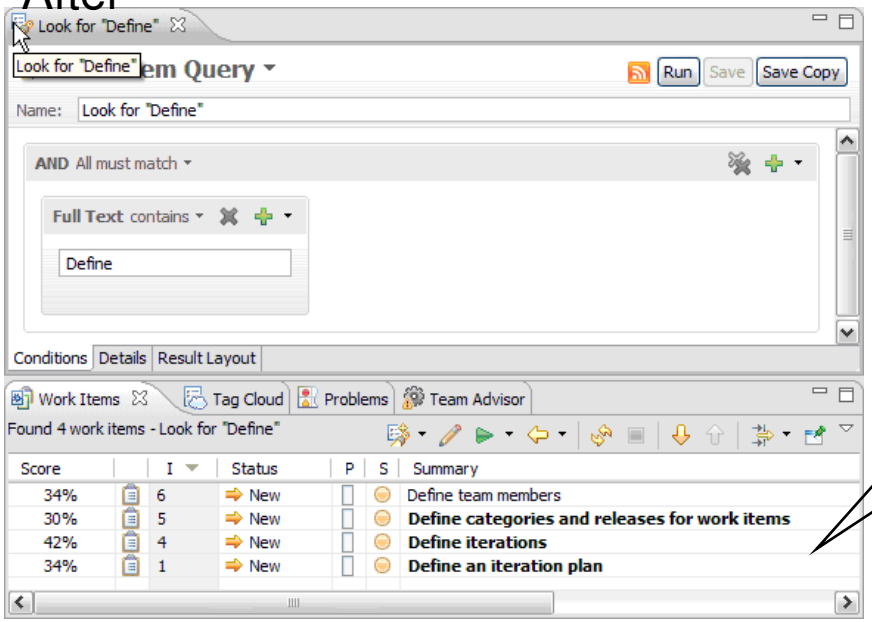




Before



After



看不到 Task2

Agenda

- 專案開發所面臨的挑戰
- RTC3.0架構與介紹
- 專案管理與風險管理
- 工作項目管理
- 版本管控與多點(Multi-Site)開發管理
- 專案監控與管理
- **總結**

Gartner Report for ALM(11 Nov 2010)

IBM是唯一的

Strong Positive

Figure 1. MarketScope for Application Life Cycle Management

	RATING				
	Strong Negative	Caution	Promising	Positive	Strong Positive
AccuRev			X		
Aldon			X		
Atlassian				X	
CollabNet				X	
Digite			X		
HP				X	
IBM					X
Kovair			X		
Micro Focus			X		
Microsoft				X	
MKS				X	
Parasoft			X		
Polarian Softw are			X		
Rally Softw are				X	
Seapine Softw are			X		
Serena Softw are				X	
SmartBear Softw are			X		
TechExcel			X		
ThoughtWorks			X		
VersionOne				X	

As of 11 November 2010

Source: Gartner (November 2010)

RTC 3.0輕鬆上手體驗營

Welcome to RTC 3.0 Lab !!

歡迎參加 RTC 3.0輕鬆上手體驗營。RTC 的設計理念是希望讓軟體開發團隊成員在簡單容易上手的工具當中，落實最佳化軟體開發流程。

RTC 支援的工作包括專案進行前的規劃、進行中的工作溝通、以及事後的稽核。 讓真實專案進度呈現出來，讓煩瑣的追蹤報告由工具代勞，讓專案成員專注核心開發工作。

現在就開始進入我們的體驗課程。

Learn more at:

- IBM Rational software
- IBM Rational Software Delivery Platform
- Process and portfolio management
- Change and release management
- Quality management
- Architecture management
- Rational trial downloads
- developerWorks Rational
- IBM Rational TV
- IBM Rational Business Partners

© Copyright IBM Corporation 2007. 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, the on-demand business logo, Rational, the Rational 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.