Lotusphere 2010

Lotus knows.

Smarter software for a Smarter Planet.

개발자 커뮤니티를 통한 협업 사례

Rational Jazz와 Lotus Connections/Quickr의 만남

이현찬 차장 | IBM SWG Rational 사업부

lotusknows.com

Agenda

- 협업이 왜 중요한가요?
- 개발 협업 사례 : IBM 개발팀
- IBM 개발팀 변화의 주역들

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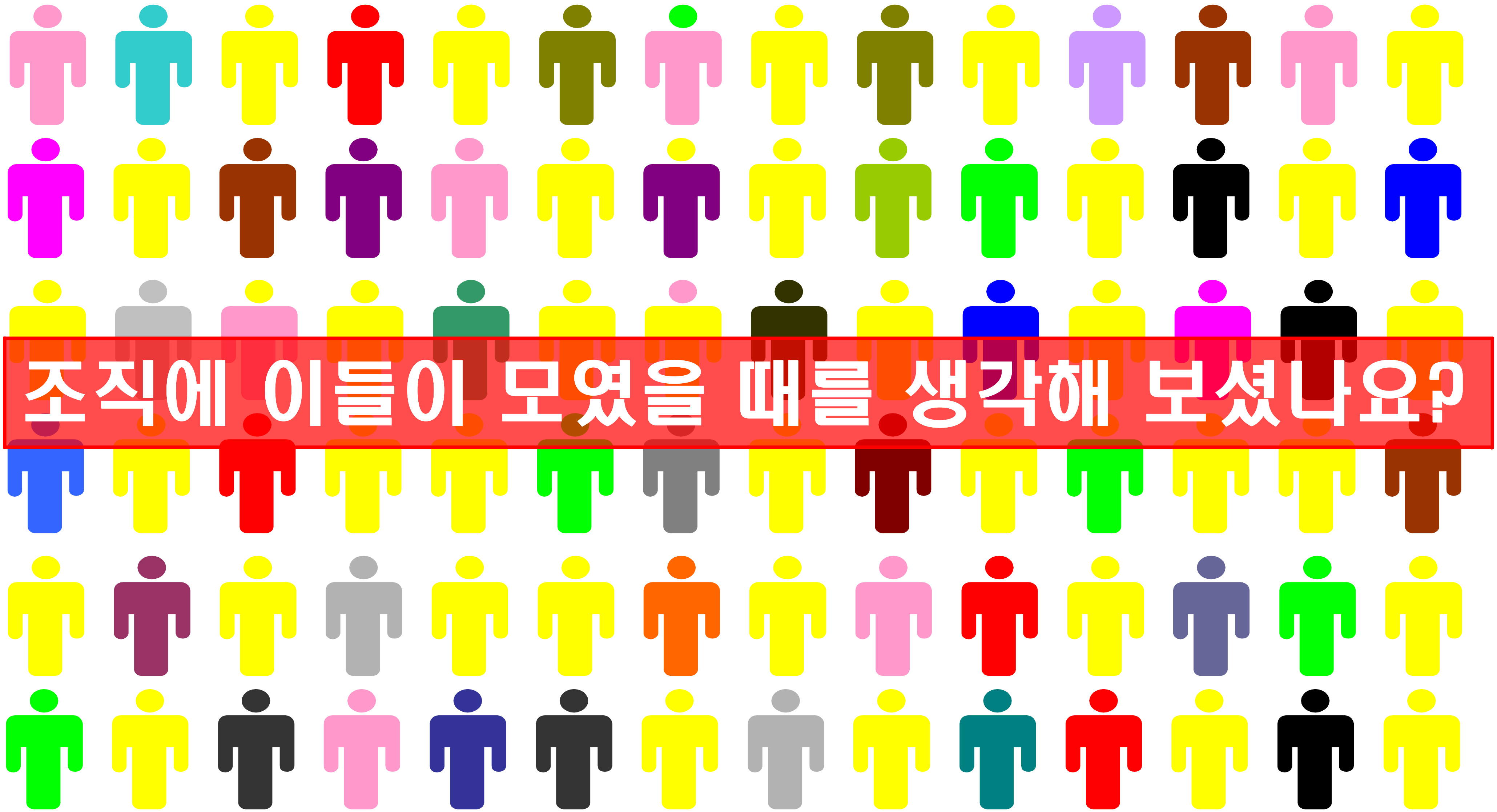
- IBM 개발팀 변화의 주역들

사람은 성격, 능력, 체력, 생각 등이 모두 다릅니다.

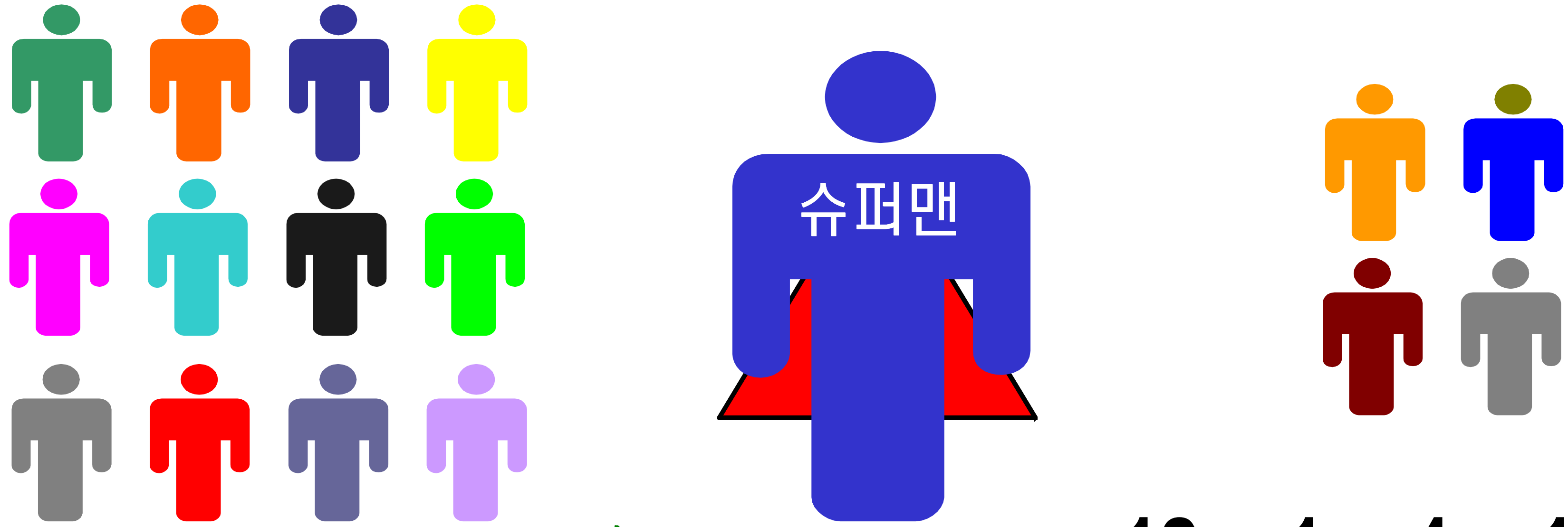


조직에 이들이 모였을 때를 생각해 보셨나요?

SUPERMAN
RETURNS

지난 날을 돌이켜 보면 …
개인의 역량 강조 : 슈퍼맨이 되라!

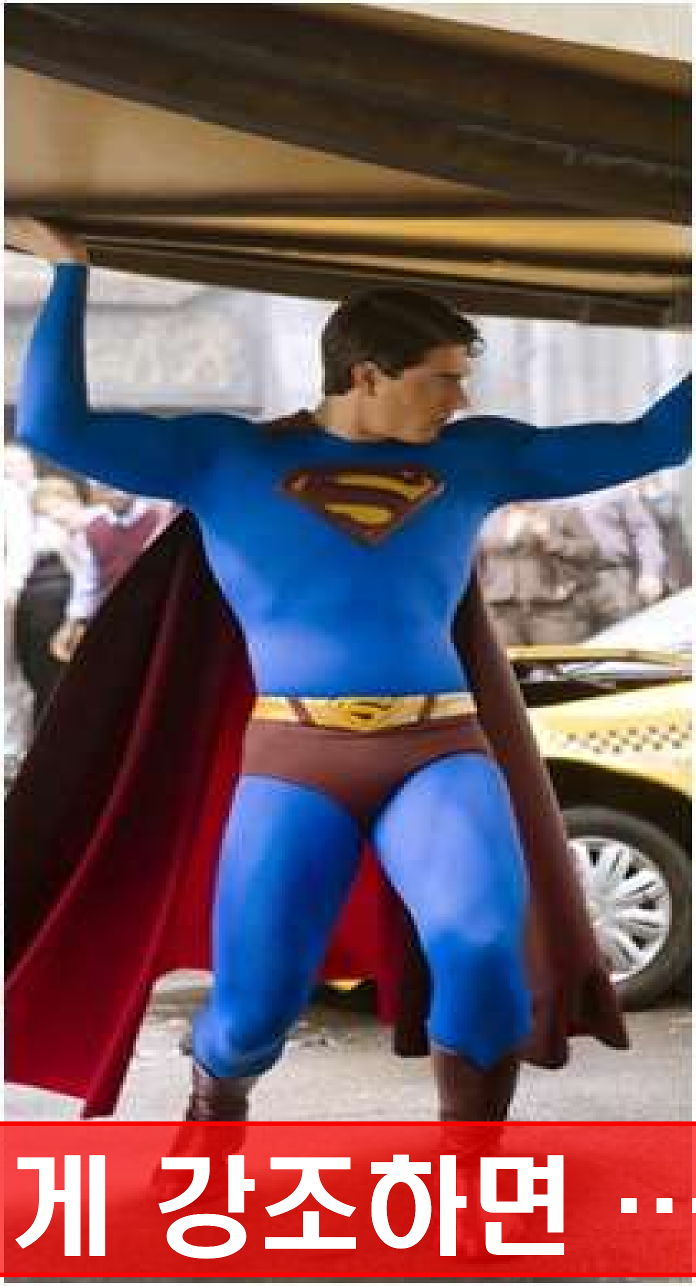
개인 역량 의존이 강한 회사/조직의 문제점



12 + 1 + 4 = 17?

- 제품/품질이 개인에 의존적
- 슈퍼맨에게도 약점은 있다.
- 슈퍼맨 이직률이 높다.
- 팀원들의 상대적 박탈감 및 반

나는
나는
슈퍼맨을
슈퍼맨을
슈
이었다



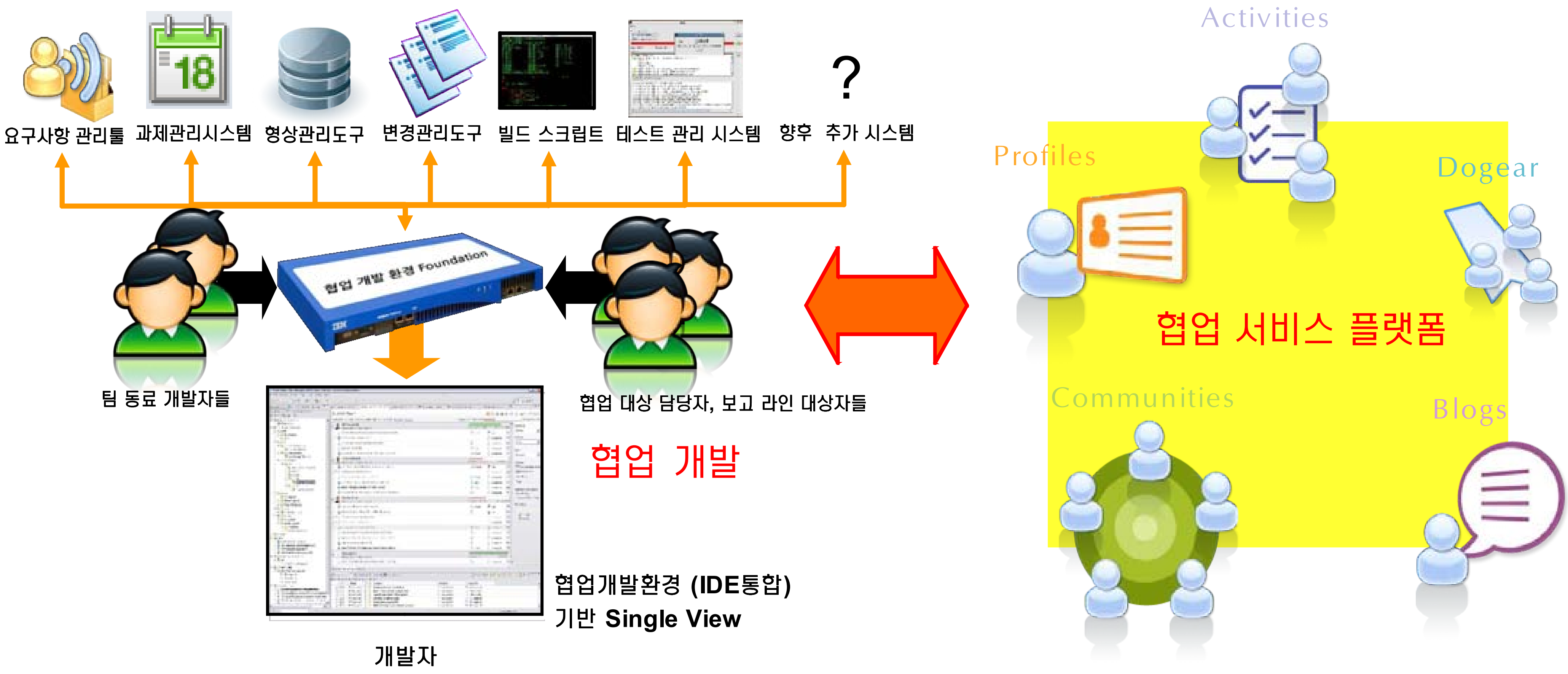
본부를 한반도에 옮긴
경영
SUPERMAN
RETURNS
http://cyworld.com/unhky

역량을 지나치게 강조하면 …

People building great software, together

그래서, 함께하는 협업이 중요합니다.

Rational software 와 Lotus software 의 만남 : 협업을 통한 조직의 강화


요구사항 관리툴
과제관리시스템
형상관리도구
변경관리도구
빌드 스크립트
테스트 관리 시스템
향후 추가 시스템
?
협업 개발 환경 Foundation
팀 동료 개발자들
협업 대상 담당자, 보고 라인 대상자들
협업 개발
협업개발환경 (IDE통합)
기반 Single View
개발자
Activities
Profiles
Dogear
협업 서비스 플랫폼
Communities
Blogs

Rational과 Lotus의 만남은 최고의 협업 환경을 제공해 드립니다.

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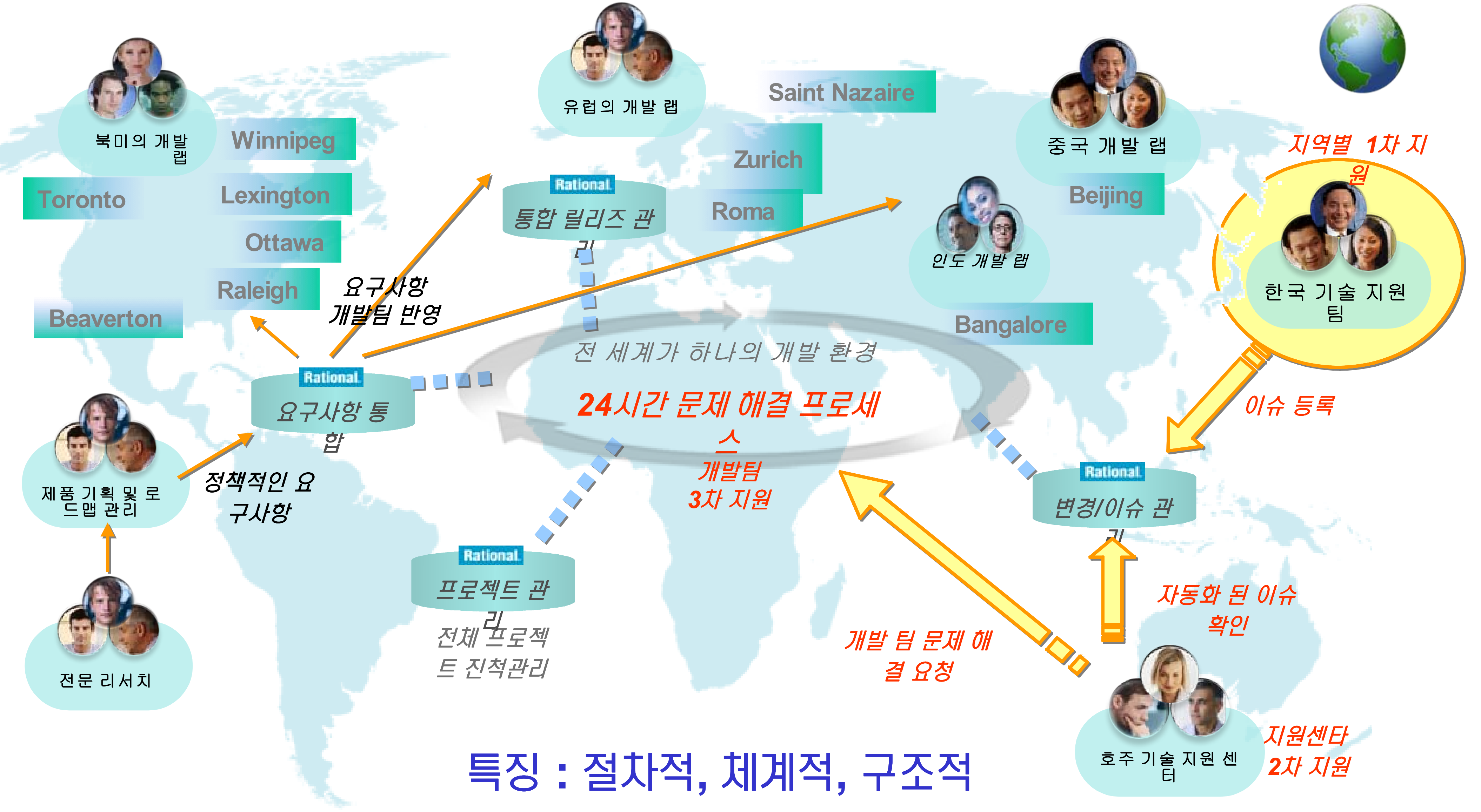
- IBM 개발팀 변화의 주역들

IBM은 200개 이상의 개발 랩과 수만 명의 개발자가 일하는 곳



북미의 개발랩
Winnipeg
Toronto
Lexington
Ottawa
Raleigh
Beaverton

유럽의 개발 랩
Saint Nazaire
Zurich
Roma

중국 개발 랩
Beijing

인도 개발 랩
Bangalore

지역별 1차 지원
한국 기술 지원팀
이슈 등록

Rational
통합 릴리즈 관리

Rational
요구사항 통합

요구사항
개발팀 반영

제품 기획 및 로드맵 관리
정책적인 요구사항
전문 리서치

전 세계가 하나의 개발 환경
24시간 문제 해결 프로세스
개발팀
3차 지원

Rational
프로젝트 관리
전체 프로젝트 진척관리

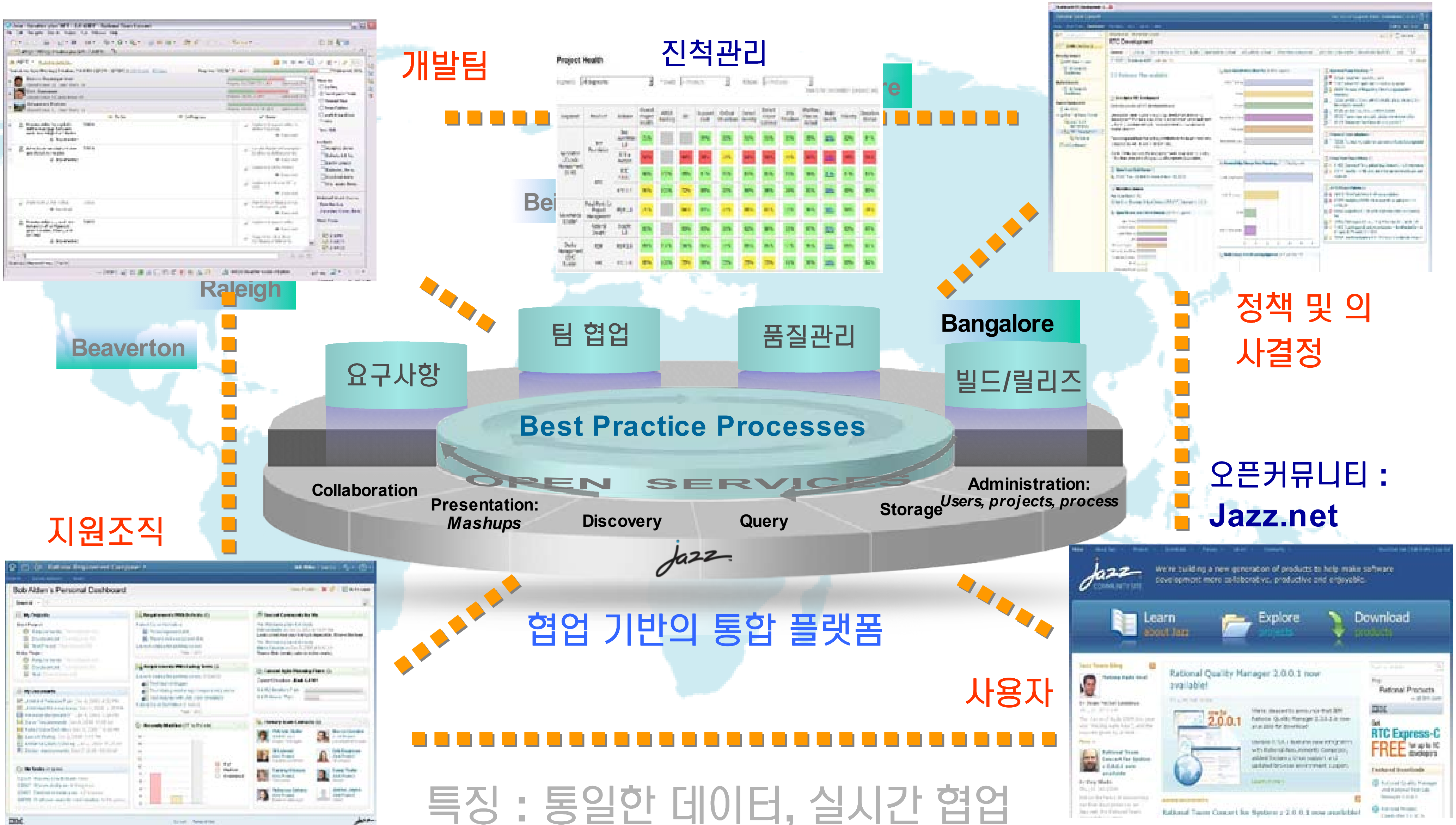
Rational
변경/이슈 관리

개발 팀 문제 해결 요청
자동화 된 이슈 확인

호주 기술 지원 센터
지원센타
2차 지원

특징 : 절차적, 체계적, 구조적

2008년부터 새롭게 개선하고 있는 개발 환경


Project Health
Beaverton
Raleigh
Bei
Bangalore
OPEN SERVICES
jazz
Jazz COMMUNITY SITE
We're building a new generation of products to help make software development more collaborative, productive and enjoyable.
Learn about Jazz
Explore projects
Download products
Rational Quality Manager 2.0.0.1 now available!
RTC Express-C FREE
Bob Alden's Personal Dashboard

개발팀

진척관리

정책 및 의사결정

오픈커뮤니티 : **Jazz.net**

지원조직

사용자

요구사항

팀 협업

품질관리

빌드/릴리즈

Best Practice Processes

Collaboration

Presentation: ***Mashups***

Discovery

Query

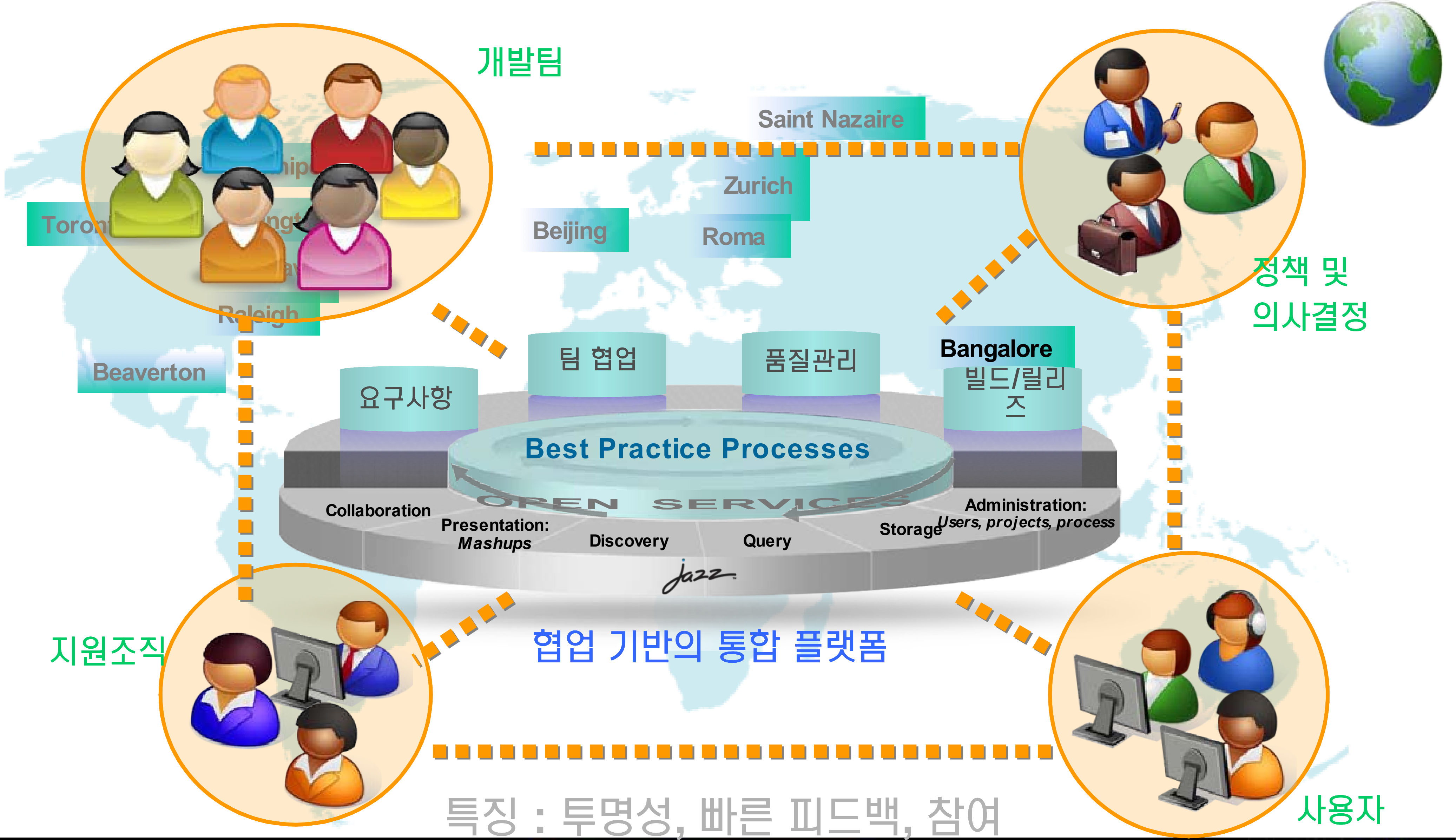
Storage

Administration: ***Users, projects, process***

협업 기반의 통합 플랫폼

특징 : 통일한 데이터, 실시간 협업

IBM의 개발 팀 변화의 핵심은 사람간/팀간의 협업


개발팀
Saint Nazaire
Zurich
Beijing
Roma
Toron
Raleigh
Beaverton
Bangalore
정책 및
의사결정
팀 협업
품질관리
요구사항
빌드/릴리즈
Best Practice Processes
OPEN SERVICES
Collaboration
Presentation:
Mashups
Discovery
Query
Storage
Administration:
Users, projects, process
Jazz
지원조직
사용자

협업 기반의 통합 플랫폼

특징 : 투명성, 빠른 피드백, 참여

IBM 프로젝트의 변화 결과 : 2009 상반기 Releases

- ●Analysis Design & Construction
- ●Best Practices
- ●Change & Configuration Management
- ●Compilers
- ●Cross Segment
- ●Enterprise Architecture
- ●Enterprise Modernization
- ●Project & Portfolio Management
- ●Quality Management
- ●Requirements Management
- ●Security
- ●Software Process Automation

3/09

- ●Rational Application Developer 7.5.2
- ●Rational Software Modeler 7.5.2
- ●Rational Modeler Extension.Net 7.5.2
- ●Rational Software Architect for WebSphere Software 7.5.2
- ●Rational Software Architect Standard Edition 7.5.2
- ●Rational Change Synchroniz
- ●Rational ClearCase 7.1.0.1
- ●Rational ClearQuest 7.1.
- ●Rational Team Concert 1
- ●Telelogic Team Webto
- ●Rational Quality Manage
- ●Rational RequisitePro 7.1.0.1
- ●Rational AppScan Developer Edition
- ●Rational AppScan Standard Edition 7.8
- ●Rational Software Analyzer 7.0.1

81%
Delivered
on time

1Q09

6/09

- ●Rational Application Developer 7.5.3
- ●Rational Software Architect for WebSphere Software 7.5.3
- ●Rational Software Architect Standard Edition 7.5.3
- ●Rational Software Modeler 7.5.3
- ●Rational Modeler Extension.Net 7.5.3
- ●Rhapsody 7.5

- ●Statemate 4.6
- ●System Tester 3.3
- ●Tau 4.3
- ●Rational ClearCase 7.1.0.2
- ●Rational ClearQuest 7.1.0.2
- ●Rational Synergy 7.1
- ●Rational Team Concert 2.0
- ●Jazz Foundation 1.0
- ●Rational Dashboard 3.6
- ●Rational Insight 1.0
- ●Rational Publishing Engine 1.1
- ●System Architect 11.3
- ●Rational Focal Point 6.4
- ●DOORS / Rational Quality Manager Integration
- ●DOORS 9.2
- ●Rational RequisitePro 7.1.0.2
- ●Rational Requirements Composer 1.0 Fixpack
- ●Rational Build Forge 7.1.1

90%
Delivered
on time**

2Q09

빠르게 변화하는 현 시대에 이러한 결과는 엄청난 결과

Agenda

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- 개발 협업 사례 : IBM 개발팀
- IBM 개발팀 변화의 주역들
  - Rational Team Concert
  - Lotus Connections (with RTC)
  - Lotus Quickr (with RTC)
  - Lotus Sametimes (with RTC)

jazz 기반의 첫 번째 제품 Rational Team Concert

반복적 계획수립

- 통합된 반복 계획 및 실행
- 주요 마일스톤과 연관된 업무 평가
- 주요 개발 프로세스 템플릿에 맞게 계획

프로젝트 투명성

- 수정 가능한 웹 기반 대쉬보드
- 실시간 메트릭스 및 레포트
- 프로젝트 진행 현황 및 상태 파악

소스 변경 관리

- 체인지 셋
- 변경 내역 보류하기
- 워크스페이스, 스트림
- 컴포넌트, 베이스라인
- 스냅샷
- 타제품 컨넥터 / Import

작업 항목

- 결함, 기능향상 요청
- 작업 추적
- 승인
- 짧은 반복 계획
- 워크플로어 커스터마이징
- 타 제품과의 컨넥터

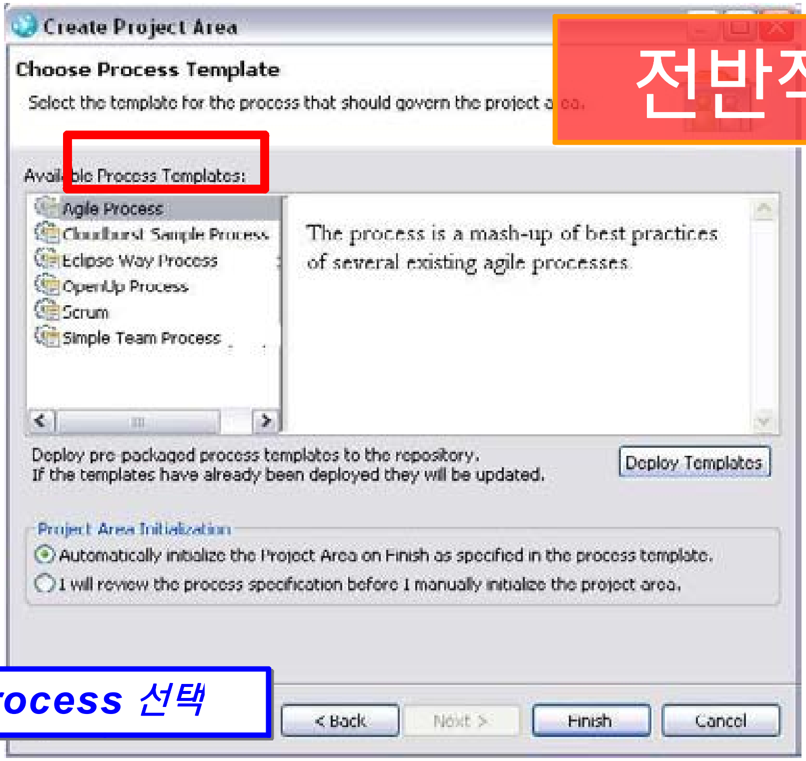
빌드

- CI (Continuous Integration)
- 빌드 엔진 내장
- 워크 아이템 및 체인지 셋 추적
- 팀 빌드, 개인별 빌드
- Build forge와 통합

Jazz Team Server

- 반복 계획 및 실행에 대한 통합 관리
- 실시간 프로젝트 상태 모니터링 윈도우
- 프로젝트 관련 아티팩트들에 대한 단일(일관된) 구조
- 팀 멤버 쉽 관리, 하위 팀 지원, 및 프로젝트 상속 기능을 포함하는 월드 클래스 레벨의 팀 참여 / 탈퇴 기능 제공
- 프로세스 및 기능에 대한 유연한 정의를 위해 롤 기반 실행 제어 제공
- “규칙” 을 정의 / 정련하고 지속적인 향상을 가능케 하는 팀 가이드
- 프로세스 제정 및 강화
- 팀원 및 그들의 작업 상태를 보여주는 문맥 (In-context) 협업
- 커스터마이징 가능한 프로젝트 대쉬보드
- 실시간 레포팅 및 쿼리 지원

전반적인 업무 흐름



Create Project Area

Choose Process Template

Select the template for the process that should govern the project area.

Available Process Templates:

Agile Process
Cloudburst Sample Process
Eclipse Way Process
OpenUp Process
Scrum
Simple Team Process

The process is a mash-up of best practices of several existing agile processes.

Deploy pre-packaged process templates to the repository.
If the templates have already been deployed they will be updated.

Deploy Templates

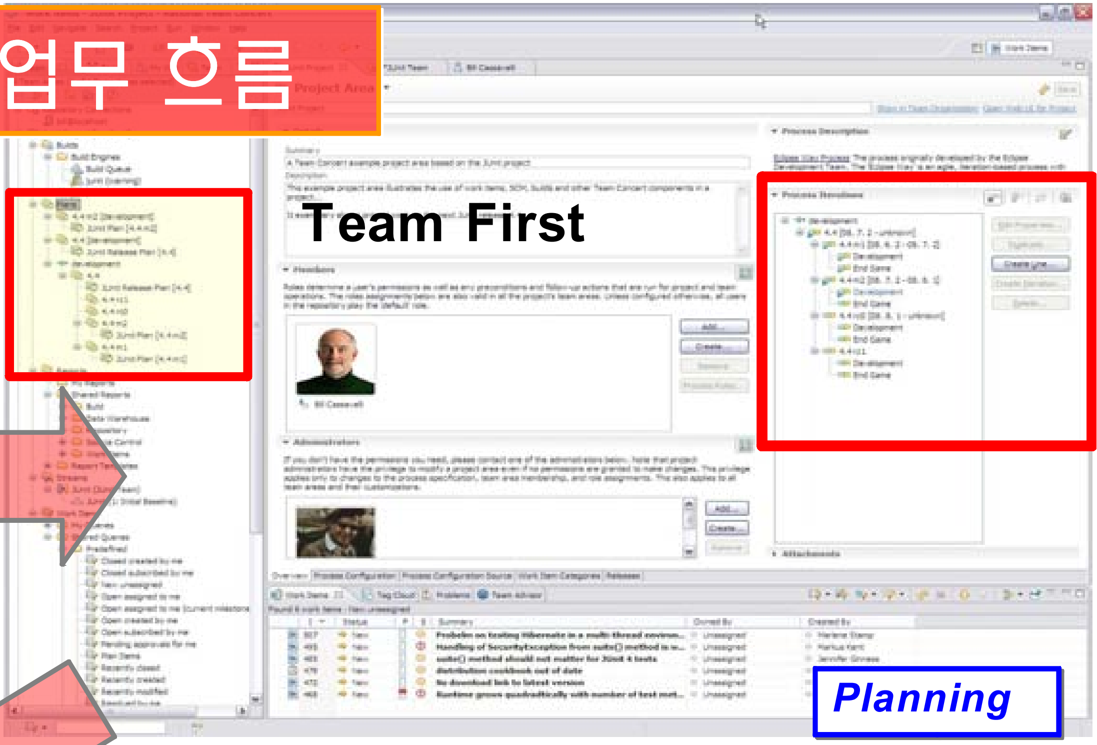
Project Area Initialization

● Automatically initialize the Project Area on Finish as specified in the process template.

○ I will review the process specification before I manually initialize the project area.

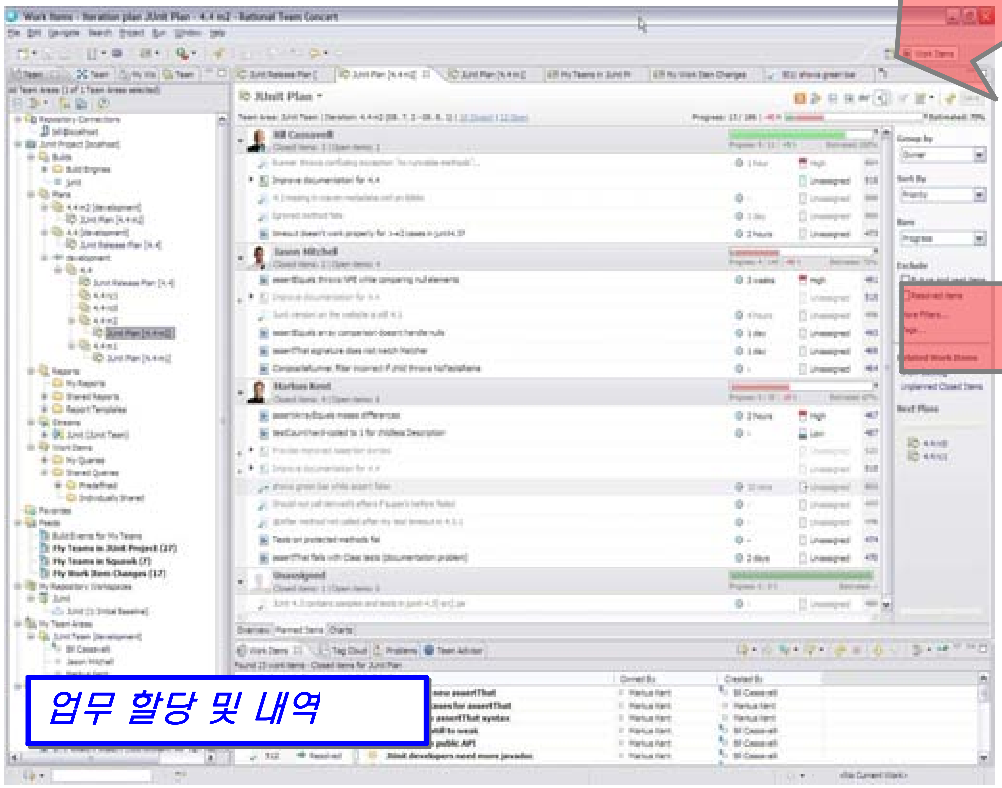
< Back
Next >
Finish
Cancel

Process 선택

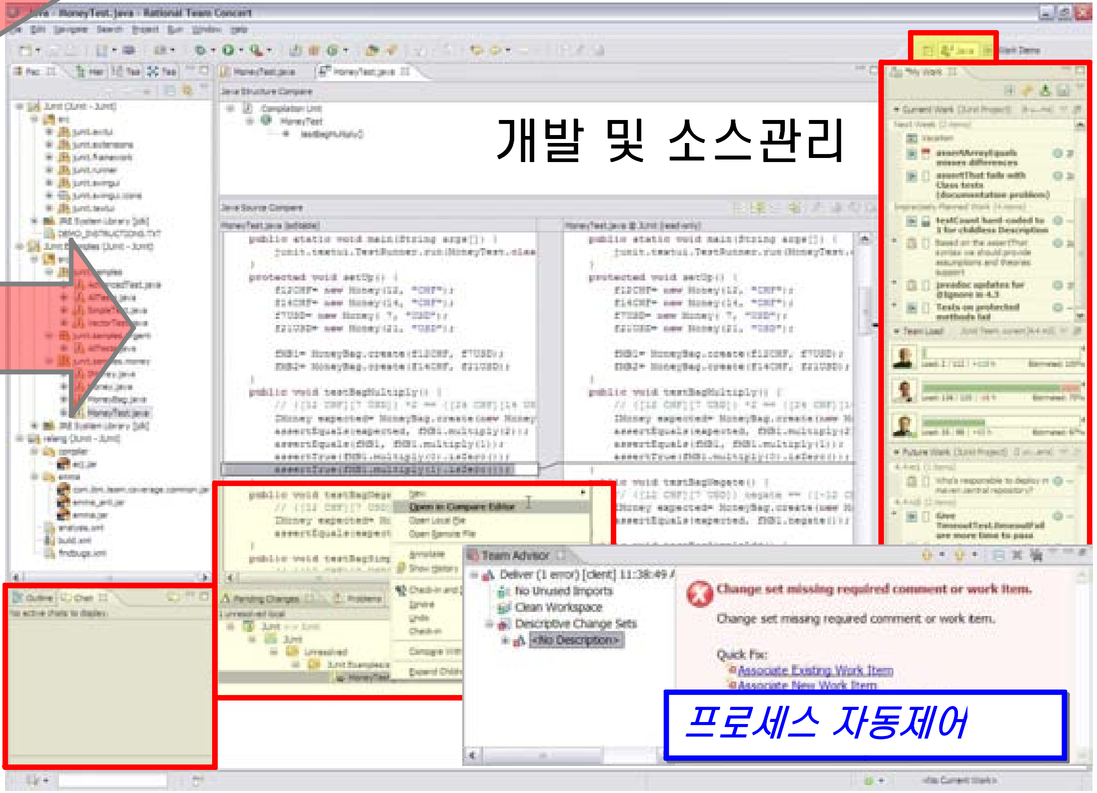


Team First

Planning



업무 할당 및 내역



개발 및 소스관리

Team Advisor

Deliver (1 error) [client] 11:38:49

No Unused Imports

Clean Workspace

Descriptive Change Sets

<No Description>

Change set missing required comment or work item.

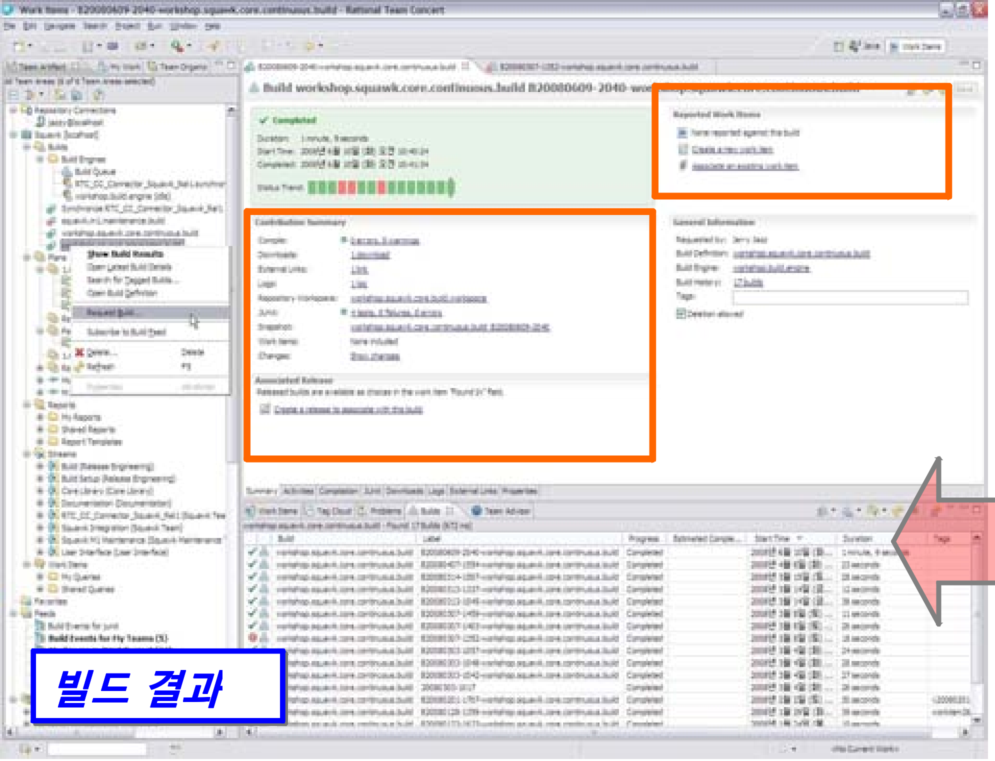
Change set missing required comment or work item.

Quick Fix:

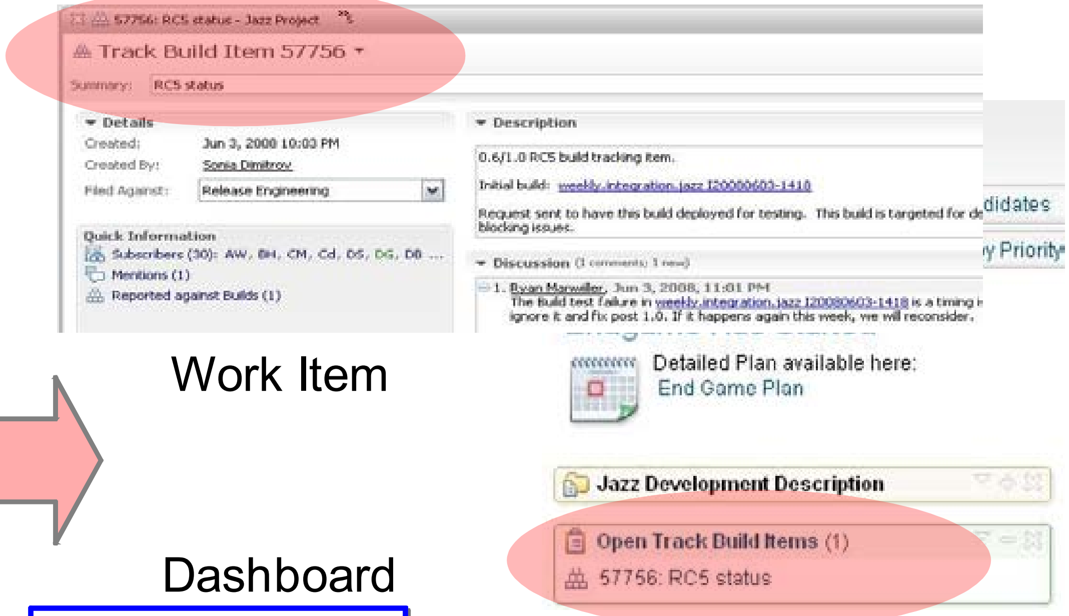
Associate Existing Work Item

Associate New Work Item

프로세스 자동제어



빌드 결과



57756: RC5 status - Jazz Project

Track Build Item 57756

Summary: RC5 status

Details

Created: Jun 3, 2008 10:03 PM

Created By: Sonia Dimitrov

Filed Against: Release Engineering

Quick Information

Subscribers (30): AW, BH, CM, Cd, DS, DG, DB ...

Mentions (1)

Reported against Builds (1)

Description

0.6/1.0 RC5 build tracking item.

Initial build: weekly.integration.jazz I20080603-1418

Request sent to have this build deployed for testing. This build is targeted for de… blocking issues.

Discussion (1 comments; 1 new)

1. Ryan Manwiller, Jun 3, 2008, 11:01 PM
The Build test failure in weekly.integration.jazz I20080603-1418 is a timing i… ignore it and fix post 1.0. If it happens again this week, we will reconsider.

Work Item

Detailed Plan available here:
End Game Plan

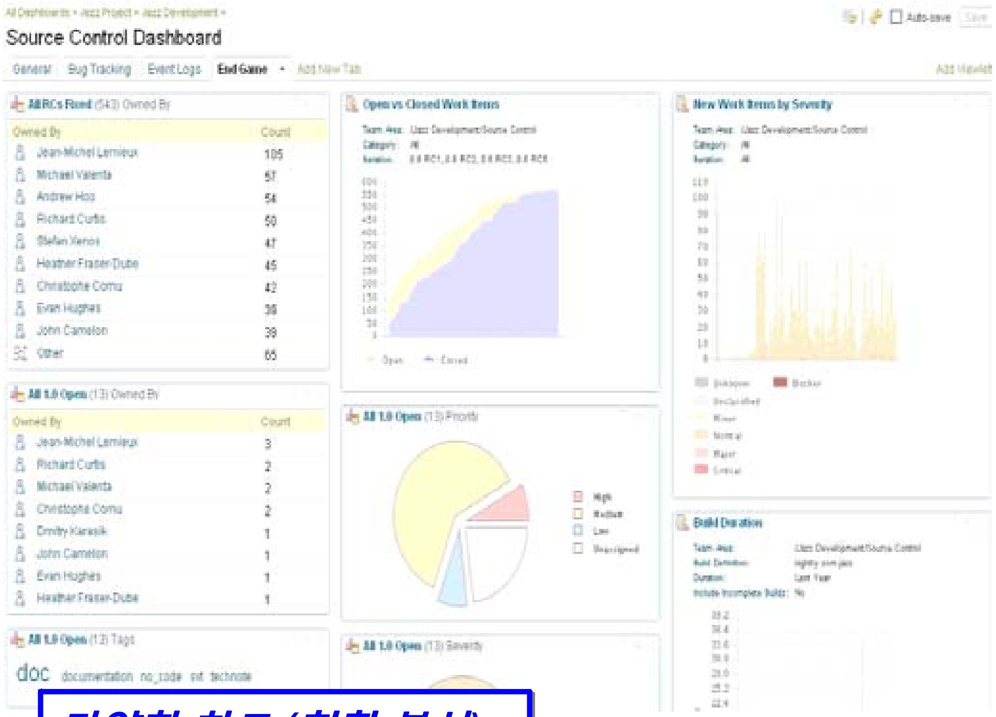
Jazz Development Description

Open Track Build Items (1)

57756: RC5 status

Dashboard

빌드 결과 추적



All Dashboards › Jazz Project › Jazz Development ›

Source Control Dashboard

All RCs Fixed (543) Owned By

Owned By	Count
Jean-Michel Lemieux	105
Michael Valenta	57
Andrew Hoo	54
Richard Curtis	50
Stefan Xenos	47
Heather Fraser-Dube	45
Christophe Cornu	42
Evan Hughes	38
John Camelon	38
Other	65

All 1.0 Open (13) Owned By

Owned By	Count
Jean-Michel Lemieux	3
Richard Curtis	2
Michael Valenta	2
Christophe Cornu	2
Dmitry Karasik	1
John Camelon	1
Evan Hughes	1
Heather Fraser-Dube	1

All 1.0 Open (13) Tags

doc documentation no_code svt technote

Open vs Closed Work Items

Team Area: Jazz Development/Source Control

Category: All

Iteration: 1.0 RC1, 1.0 RC2, 1.0 RC3, 1.0 RC4

All 1.0 Open (13) Priority

All 1.0 Open (13) Severity

New Work Items by Severity

Team Area: Jazz Development/Source Control

Category: All

Iteration: All

Build Duration

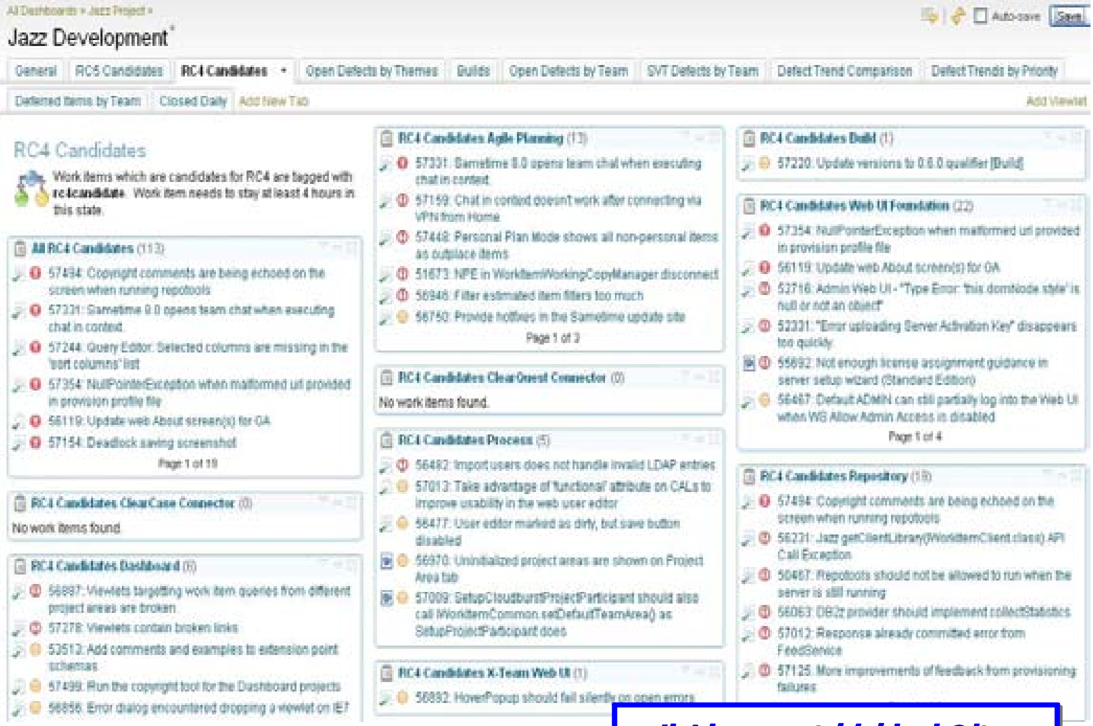
Team Area: Jazz Development/Source Control

Build Definition: nightly.scm.jazz

Duration: Last Year

Include Incomplete Builds: No

다양한 차트 (현황 분석)



All Dashboards › Jazz Project ›

Jazz Development

RC4 Candidates

Work items which are candidates for RC4 are tagged with rc4candidate. Work item needs to stay at least 4 hours in this state.

All RC4 Candidates (113)
- 57494: Copyright comments are being echoed on the screen when running repotools
- 57331: Sametime 8.0 opens team chat when executing chat in context
- 57244: Query Editor: Selected columns are missing in the 'sort columns' list
- 57354: NullPointerException when malformed url provided in provision profile file
- 56119: Update web About screen(s) for GA
- 57154: Deadlock saving screenshot

Page 1 of 19

RC4 Candidates ClearCase Connector (0)

No work items found.

RC4 Candidates Dashboard (6)
- 56897: Viewlets targeting work item queries from different project areas are broken
- 57278: Viewlets contain broken links
- 53512: Add comments and examples to extension point schemas
- 57499: Run the copyright tool for the Dashboard projects
- 56856: Error dialog encountered dropping a viewlet on IE7

RC4 Candidates Agile Planning (13)
- 57331: Sametime 8.0 opens team chat when executing chat in context
- 57159: Chat in context doesn't work after connecting via VPN from Home
- 57448: Personal Plan Mode shows all non-personal items as outplace items
- 51673: NPE in WorkItemWorkingCopyManager disconnect
- 56946: Filter estimated item filters too much
- 56750: Provide hotfixes in the Sametime update site

Page 1 of 3

RC4 Candidates ClearQuest Connector (0)

No work items found.

RC4 Candidates Process (5)
- 56482: Import users does not handle invalid LDAP entries
- 57013: Take advantage of 'functional' attribute on CALs to improve usability in the web user editor
- 56477: User editor marked as dirty, but save button disabled
- 56970: Uninitialized project areas are shown on Project Area tab
- 57009: SetupCloudburstProjectParticipant should also call WorkItemCommon.setDefaultTeamArea() as SetupProjectParticipant does

RC4 Candidates X-Team Web UI (1)
- 56892: HoverPopup should fail silently on open errors

RC4 Candidates Build (1)
- 57220: Update versions to 0.6.0 qualifier [Build]

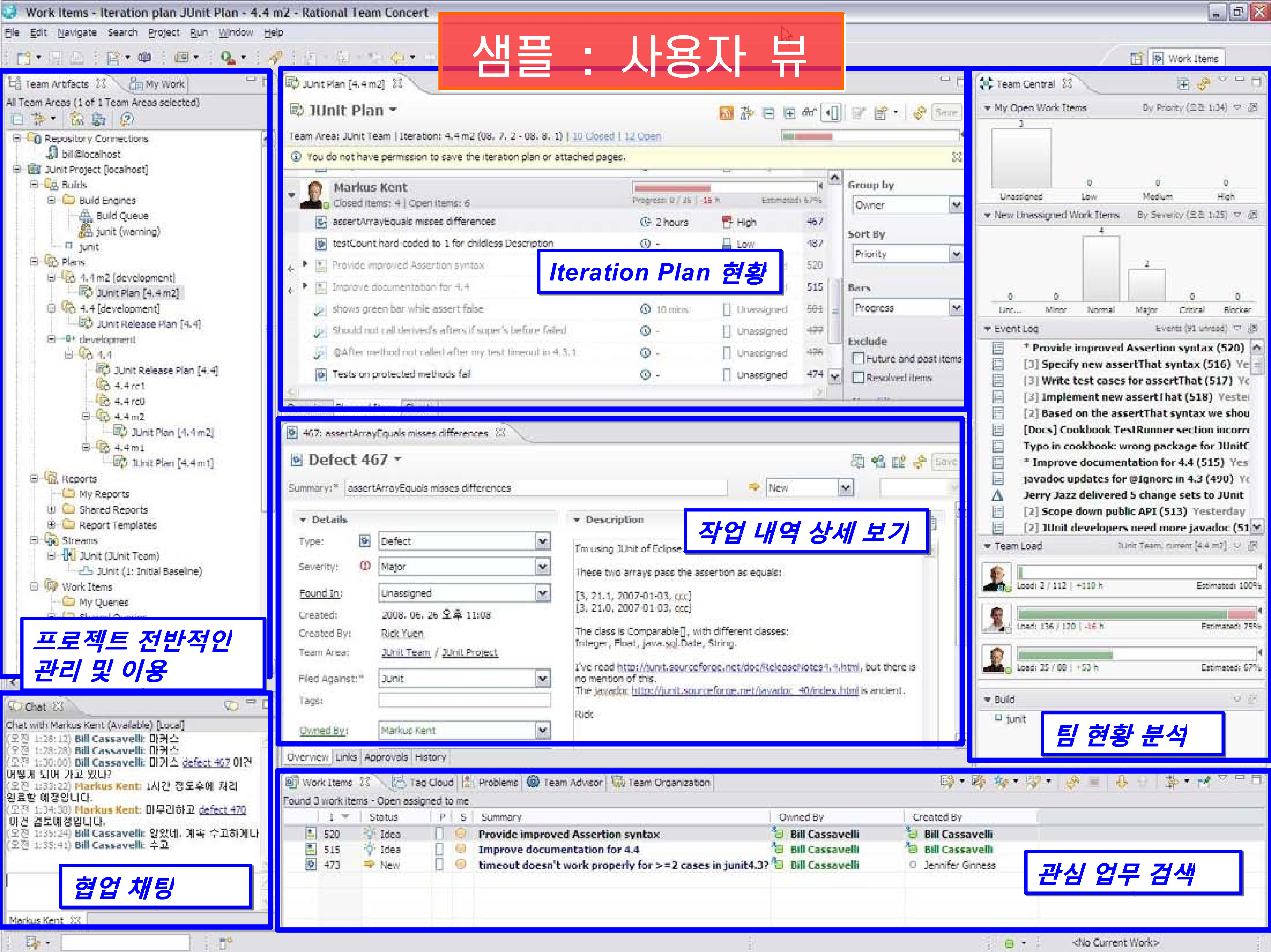
RC4 Candidates Web UI Foundation (22)
- 57354: NullPointerException when malformed url provided in provision profile file
- 56119: Update web About screen(s) for GA
- 52716: Admin Web UI - "Type Error: 'this.domNode.style' is null or not an object"
- 52331: "Error uploading Server Activation Key" disappears too quickly
- 55692: Not enough license assignment guidance in server setup wizard (Standard Edition)
- 56467: Default ADMIN can still partially log into the Web UI when WS Allow Admin Access is disabled

Page 1 of 4

RC4 Candidates Repository (19)
- 57494: Copyright comments are being echoed on the screen when running repotools
- 56231: Jazz getClientLibrary(IWorkItemClient.class) API Call Exception
- 50467: Repotools should not be allowed to run when the server is still running
- 56063: DB2z provider should implement collectStatistics
- 57012: Response already committed error from FeedService
- 57125: More improvements of feedback from provisioning failures

대쉬보드 (현황파악)

샘플 : 사용자 뷰



프로젝트 전반적인 관리 및 이용

Iteration Plan 현황

작업 내역 상세 보기

팀 현황 분석

협업 채팅

관심 업무 검색

Work Items - Iteration plan JUnit Plan - 4.4 m2 - Rational Team Concert

JUnit Plan

Team Area: JUnit Team | Iteration: 4.4 m2 (08. 7. 2 - 08. 8. 1) | 10 Closed | 12 Open

You do not have permission to save the iteration plan or attached pages.

Markus Kent

Closed items: 4 | Open items: 6

Summary	Time	Priority	ID
assertArrayEquals misses differences	2 hours	High	467
testCount hard coded to 1 for childless Description	-	Low	487
Provide improved Assertion syntax			520
Improve documentation for 4.4			515
shows green bar while assert false	10 mins	Unassigned	501
Should not call derived's afters if super's before failed	-	Unassigned	477
@After method not called after my test timeout in 4.5.1	-	Unassigned	476
Tests on protected methods fail	-	Unassigned	474

Group by: Owner

Sort By: Priority

Bars: Progress

Exclude

☐ Future and past items

☐ Resolved items

467: assertArrayEquals misses differences

Defect 467

Summary:* assertArrayEquals misses differences

New

Type: Defect

Severity: Major

Found In: Unassigned

Created: 2008. 06. 26 오후 11:08

Created By: Rick Yuen

Team Area: JUnit Team / JUnit Project

Filed Against:* JUnit

Tags:

Owned By: Markus Kent

Description

I'm using JUnit of Eclipse

These two arrays pass the assertion as equals:

[3, 21.1, 2007-01-03, ccc]
[3, 21.0, 2007-01-03, ccc]

The class is Comparable[], with different classes:
Integer, Float, java.sql.Date, String.

I've read http://junit.sourceforge.net/doc/ReleaseNotes4.4.html, but there is no mention of this.
The javadoc http://junit.sourceforge.net/javadoc_40/index.html is ancient.

Rick

Event Log

- * Provide improved Assertion syntax (520)
- [3] Specify new assertThat syntax (516)
- [3] Write test cases for assertThat (517)
- [3] Implement new assertThat (518)
- [2] Based on the assertThat syntax we shou
- [Docs] Cookbook TestRunner section incorre
- Typo in cookbook: wrong package for JUnitC
- * Improve documentation for 4.4 (515)
- javadoc updates for @Ignore in 4.3 (490)
- Jerry Jazz delivered 5 change sets to JUnit
- [2] Scope down public API (513) Yesterday
- [2] JUnit developers need more javadoc (51

Team Load

Load: 2 / 112 | +110 h Estimated: 100%

Load: 136 / 120 | -16 h Estimated: 75%

Load: 35 / 88 | +53 h Estimated: 67%

Chat with Markus Kent (Available) [Local]

(오전 1:28:12) Bill Cassavelli: 마커스
(오전 1:28:28) Bill Cassavelli: 마커스
(오전 1:30:00) Bill Cassavelli: 마커스 defect 467 이건 어떻게 되어 가고 있나?
(오전 1:33:22) Markus Kent: 1시간 정도후에 처리 완료할 예정입니다.
(오전 1:34:30) Markus Kent: 마무리하고 defect 470 이건 검토예정입니다.
(오전 1:35:24) Bill Cassavelli: 알았네. 계속 수고하게나
(오전 1:35:41) Bill Cassavelli: 수고

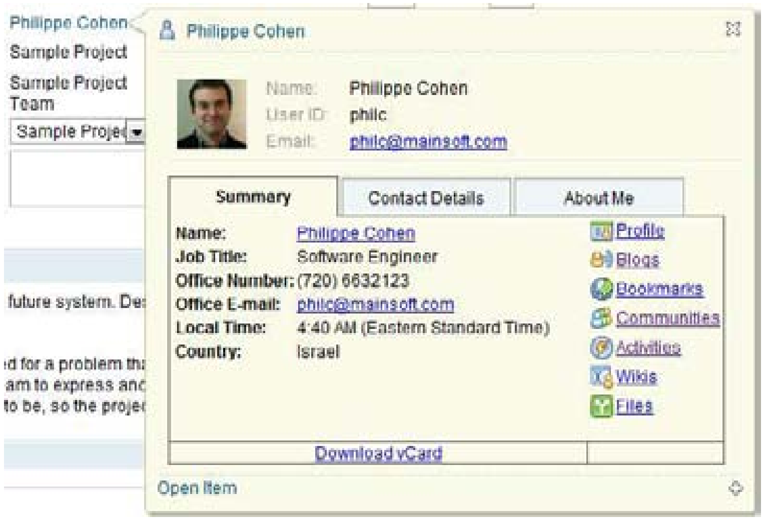
Found 3 work items - Open assigned to me

Id	Status	Summary	Owned By	Created By
520	Idea	Provide improved Assertion syntax	Bill Cassavelli	Bill Cassavelli
515	Idea	Improve documentation for 4.4	Bill Cassavelli	Bill Cassavelli
473	New	timeout doesn't work properly for >=2 cases in junit4.3?	Bill Cassavelli	Jennifer Ginness

“Jazz Connections”

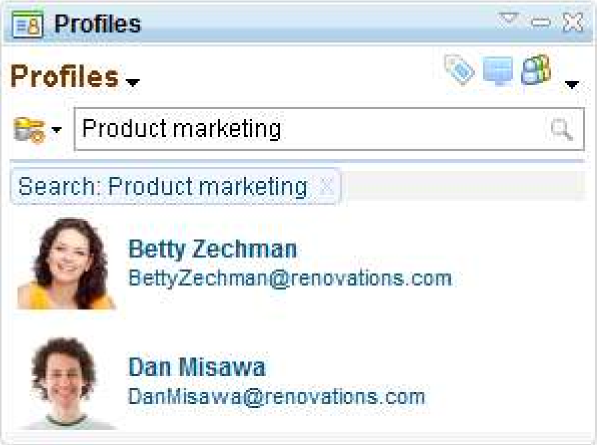
Rational Team Concert 와 Lotus Connections 통합

Social network 프로파일 :
담당자의 신상정보 및 연락방법, 관련 Connection의 정보 (Blogs, 위키, 파일들, 포럼, 작업내용 등


Philippe Cohen
Sample Project
Sample Project Team
Sample Projec
future system. De
d for a problem th
am to express anc
to be, so the projec
Philippe Cohen
Summary
Contact Details
About Me
Profile
Blogs
Bookmarks
Communities
Activities
Wikis
Files
Download vCard
Open Item

Name: Philippe Cohen
User ID: philc
Email: philc@mainsoft.com

Name: Philippe Cohen
Job Title: Software Engineer
Office Number: (720) 6632123
Office E-mail: philc@mainsoft.com
Local Time: 4:40 AM (Eastern Standard Time)
Country: Israel


Profiles
Profiles

Product marketing

Search: Product marketing

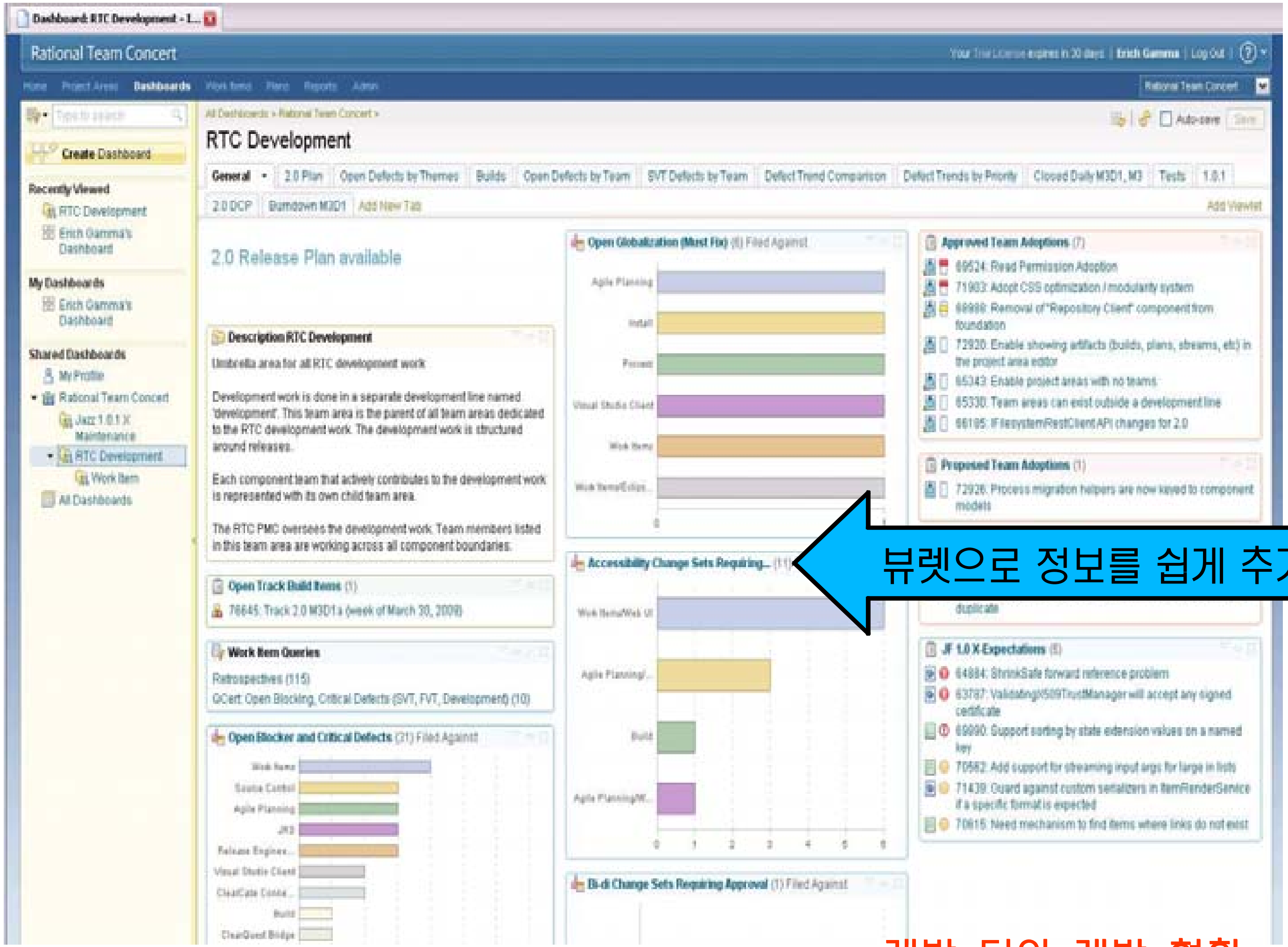
Betty Zechman
BettyZechman@renovations.com

Dan Misawa
DanMisawa@renovations.com

조직원의 다양한 정보를 쉽고 빠르게 검색 및 공유가 가능

협업 개발 환경과 협업 서비스/컨텐츠의 만남

프로젝트 대쉬보드 연계를 통한 실시간 정보 공유


Dashboard: RTC Development - 1...
Rational Team Concert
Home
Project Areas
Dashboards
Work Items
Plans
Reports
Admin
Create Dashboard
Recently Viewed
RTC Development
Erich Gamma's Dashboard
My Dashboards
Erich Gamma's Dashboard
Shared Dashboards
My Profile
Rational Team Concert
Jazz 1.0.1.X Maintenance
RTC Development
Work Item
All Dashboards
Auto-save
Save
General
2.0 Plan
Open Defects by Themes
Builds
Open Defects by Team
SVT Defects by Team
Defect Trend Comparison
Defect Trends by Priority
Closed Daily M3D1, M3
Tests
1.0.1
2.0 DCP
Burndown M3D1
Add New Tab
Add Viewlet
Agile Planning
Install
Process
Visual Studio Client
Work Items
Work Items/Eclips...
Work Items
Source Control
Agile Planning
JR3
Release Engine...
Visual Studio Client
ClearCase Conne...
Build
ClearQuest Bridge

RTC Development

2.0 Release Plan available

Description RTC Development

Umbrella area for all RTC development work

Development work is done in a separate development line named 'development'. This team area is the parent of all team areas dedicated to the RTC development work. The development work is structured around releases.

Each component team that actively contributes to the development work is represented with its own child team area.

The RTC PMC oversees the development work. Team members listed in this team area are working across all component boundaries.

Open Track Build Items (1)

76645: Track 2.0 M3D1a (week of March 30, 2009)

Work Item Queries

Retrospectives (115)

QCert: Open Blocking, Critical Defects (SVT, FVT, Development) (10)

Open Blocker and Critical Defects (21) Filed Against

Open Globalization (Must Fix) (6) Filed Against

Accessibility Change Sets Requiring... (1)

Bi-di Change Sets Requiring Approval (1) Filed Against

Approved Team Adoptions (7)

- 69524: Read Permission Adoption
- 71903: Adopt CSS optimization / modularity system
- 69999: Removal of "Repository Client" component from foundation
- 72920: Enable showing artifacts (builds, plans, streams, etc) in the project area editor
- 65343: Enable project areas with no teams
- 65330: Team areas can exist outside a development line
- 66195: IFilesystemRestClient API changes for 2.0

Proposed Team Adoptions (1)

- 72926: Process migration helpers are now keyed to component models

duplicate

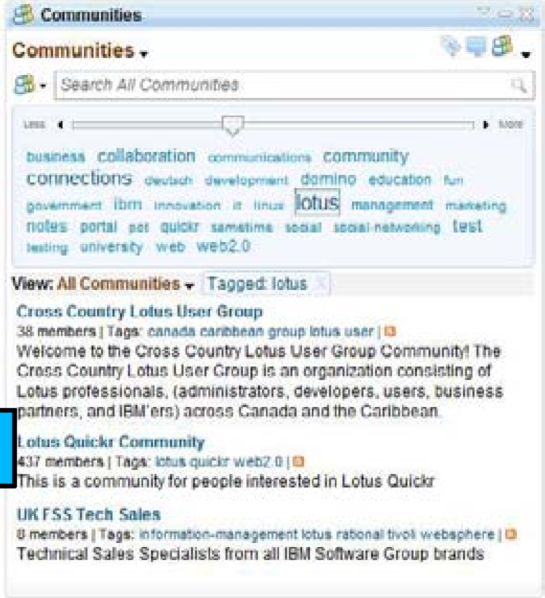
JF 1.0.X Expectations (6)

- 64884: ShrinkSafe forward reference problem
- 63787: ValidatingX509TrustManager will accept any signed certificate
- 69990: Support sorting by state extension values on a named key
- 70582: Add support for streaming input args for large in lists
- 71439: Guard against custom serializers in ItemRenderService if a specific format is expected
- 70615: Need mechanism to find items where links do not exist

뷰렛으로 정보를 쉽게 추가

개발 팀의 개발 현황

Lotus Connections 정보


Communities
Communities
Search All Communities
Less
More
business
collaboration
communications
community
connections
deutsch
development
domino
education
fun
government
ibm
innovation
it
linux
lotus
management
marketing
notes
portal
pot
quickr
sametime
social
social-networking
test
testing
university
web
web2.0

View: All Communities Tagged: lotus

Cross Country Lotus User Group
38 members | Tags: canada caribbean group lotus user |
Welcome to the Cross Country Lotus User Group Community! The Cross Country Lotus User Group is an organization consisting of Lotus professionals, (administrators, developers, users, business partners, and IBM'ers) across Canada and the Caribbean.

Lotus Quickr Community
437 members | Tags: lotus quickr web2.0 |
This is a community for people interested in Lotus Quickr

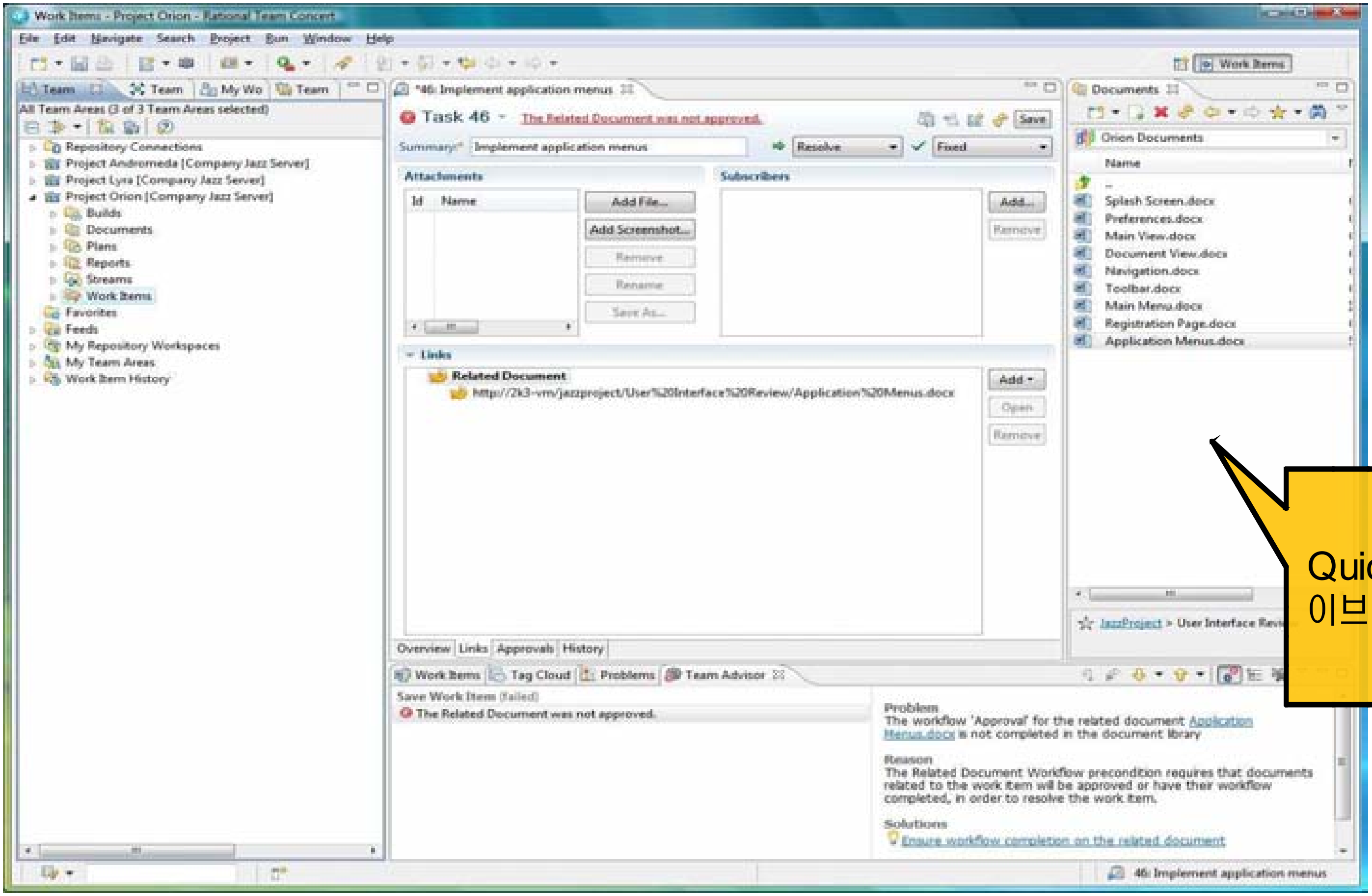
UK FSS Tech Sales
8 members | Tags: information-management lotus rational tivoli websphere |
Technical Sales Specialists from all IBM Software Group brands

개발 팀의 커뮤니티 현황

"Jazz Connections"

Rational Team Concert 와 Lotus Quickr 통합

Rational Team Concert 클라이언트


Work Items - Project Orion - Rational Team Concert
File Edit Navigate Search Project Run Window Help
Team Team My Wo Team
All Team Areas (3 of 3 Team Areas selected)
Repository Connections
Project Andromeda [Company Jazz Server]
Project Lyra [Company Jazz Server]
Project Orion [Company Jazz Server]
Builds
Documents
Plans
Reports
Streams
Work Items
Favorites
Feeds
My Repository Workspaces
My Team Areas
Work Item History
Attachments
Id Name
Add File...
Add Screenshot...
Remove
Rename
Save As...
Subscribers
Add...
Remove
Links
Add
Open
Remove
Overview Links Approvals History
Work Items Tag Cloud Problems Team Advisor
Documents
Orion Documents
Name
Splash Screen.docx
Preferences.docx
Main View.docx
Document View.docx
Navigation.docx
Toolbar.docx
Main Menu.docx
Registration Page.docx
Application Menus.docx
JazzProject > User Interface Revi
Work Items
Save

*46: Implement application menus

Task 46 The Related Document was not approved.

Summary* Implement application menus

Resolve Fixed

Related Document
http://2k3-vm/jazzproject/User%20Interface%20Review/Application%20Menus.docx

Save Work Item (failed)
The Related Document was not approved.

Problem
The workflow 'Approval' for the related document Application Menus.docx is not completed in the document library

Reason
The Related Document Workflow precondition requires that documents related to the work item will be approved or have their workflow completed, in order to resolve the work item.

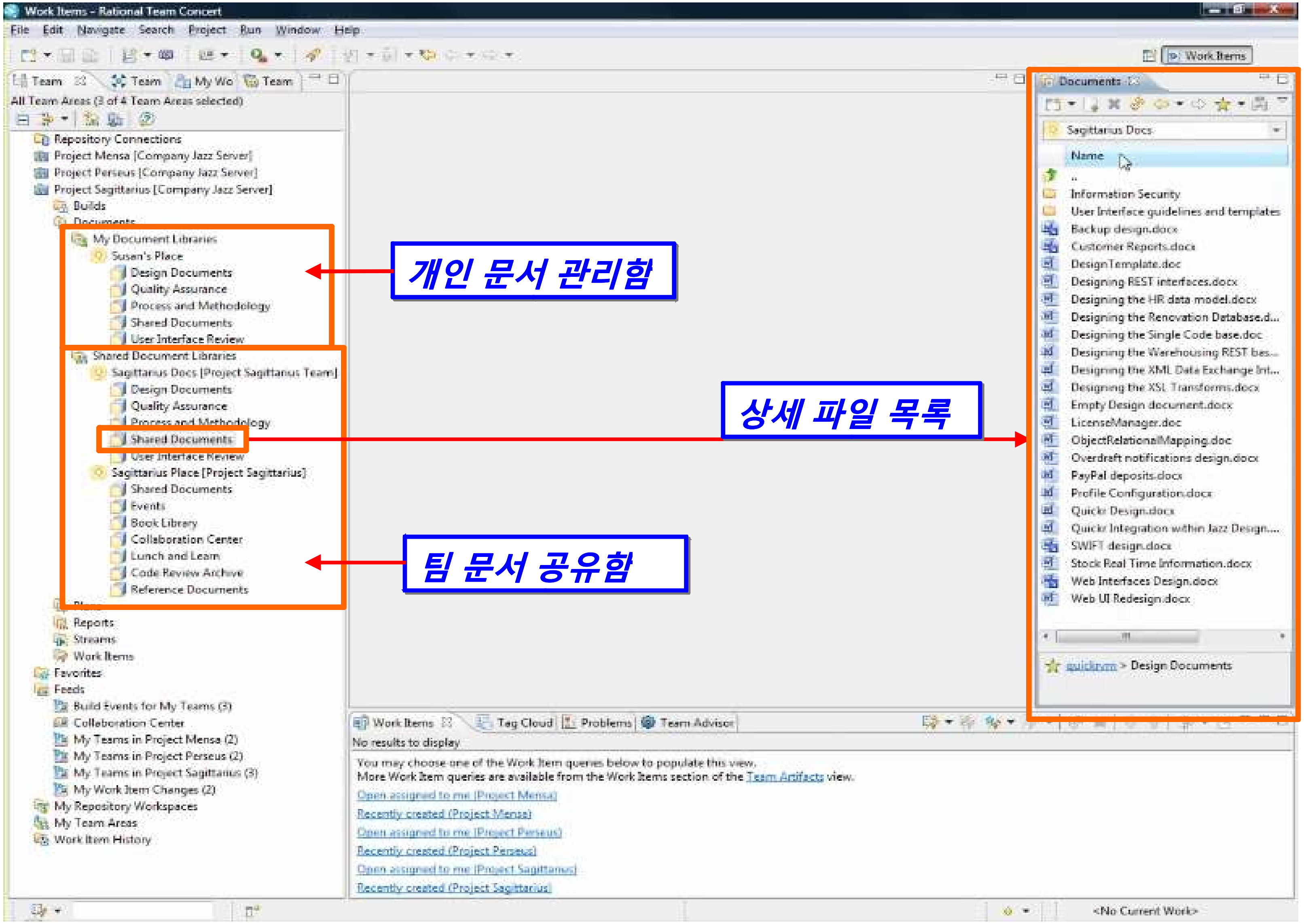
Solutions
Ensure workflow completion on the related document

46: Implement application menus

Quickr 문서 라이브러리

협업 개발 환경과 협업 문서관리의 만남

RTC 클라이언트 와 Lotus Quickr 통합 상세화면


Work Items - Rational Team Concert
File Edit Navigate Search Project Run Window Help
Work Items
Team Team My Wo Team
All Team Areas (3 of 4 Team Areas selected)
Repository Connections
Project Mensa [Company Jazz Server]
Project Perseus [Company Jazz Server]
Project Sagittarius [Company Jazz Server]
Builds
Documents
My Document Libraries
Susan's Place
Design Documents
Quality Assurance
Process and Methodology
Shared Documents
User Interface Review
Shared Document Libraries
Sagittarius Docs [Project Sagittarius Team]
Design Documents
Quality Assurance
Process and Methodology
Shared Documents
User Interface Review
Sagittarius Place [Project Sagittarius]
Shared Documents
Events
Book Library
Collaboration Center
Lunch and Learn
Code Review Archive
Reference Documents
Plans
Reports
Streams
Work Items
Favorites
Feeds
Build Events for My Teams (3)
Collaboration Center
My Teams in Project Mensa (2)
My Teams in Project Perseus (2)
My Teams in Project Sagittarius (3)
My Work Item Changes (2)
My Repository Workspaces
My Team Areas
Work Item History
Documents
Sagittarius Docs
Name
..
Information Security
User Interface guidelines and templates
Backup design.docx
Customer Reports.docx
DesignTemplate.doc
Designing REST interfaces.docx
Designing the HR data model.docx
Designing the Renovation Database.d...
Designing the Single Code base.doc
Designing the Warehousing REST bes...
Designing the XML Data Exchange Int...
Designing the XSL Transforms.docx
Empty Design document.docx
LicenseManager.doc
ObjectRelationalMapping.doc
Overdraft notifications design.docx
PayPal deposits.docx
Profile Configuration.docx
Quickr Design.docx
Quickr Integration within Jazz Design....
SWIFT design.docx
Stock Real Time Information.docx
Web Interfaces Design.docx
Web UI Redesign.docx
quickrvm > Design Documents
Work Items Tag Cloud Problems Team Advisor
<No Current Work>

No results to display

You may choose one of the Work Item queries below to populate this view.
More Work Item queries are available from the Work Items section of the Team Artifacts view.

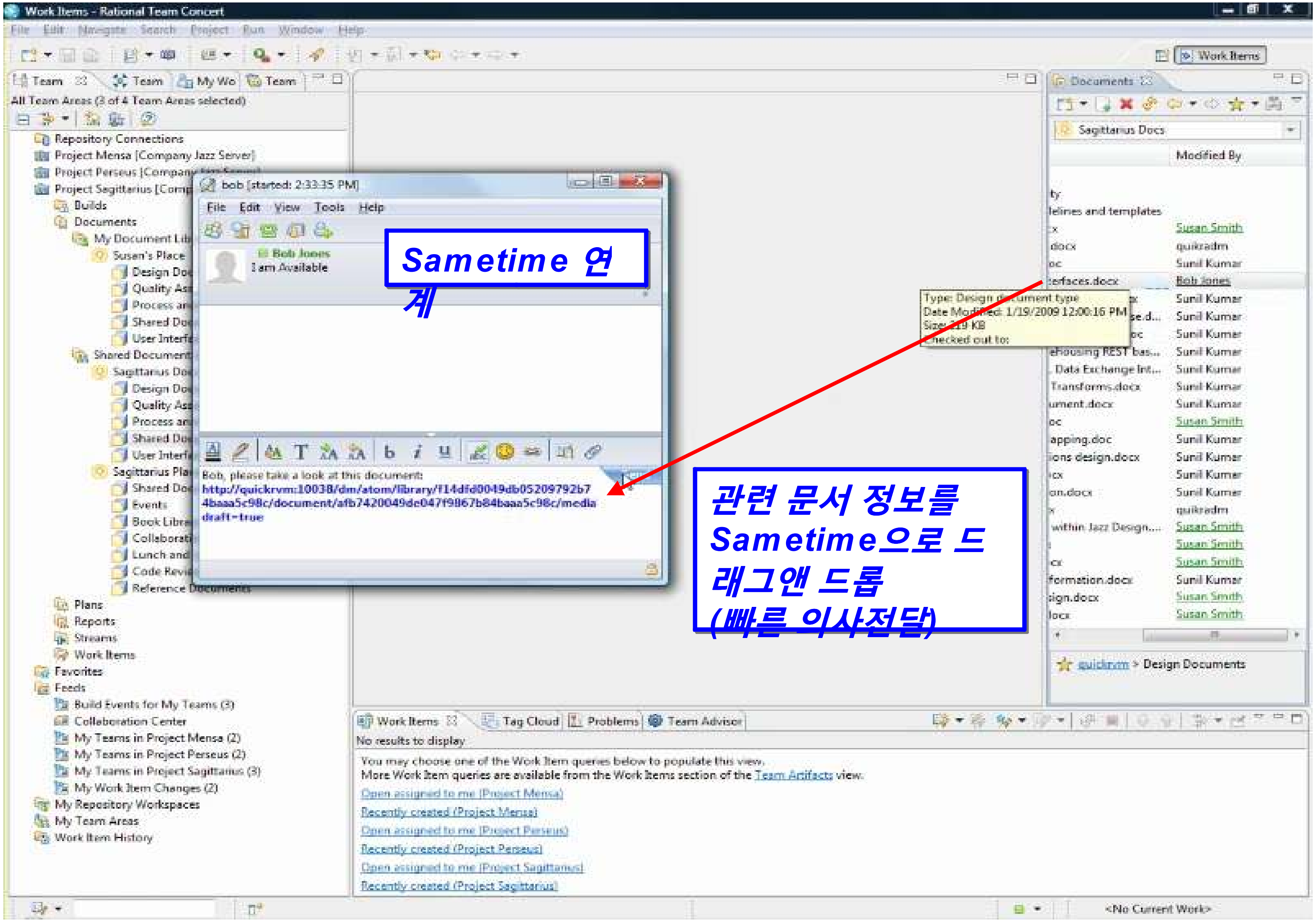
Open assigned to me (Project Mensa)
Recently created (Project Mensa)
Open assigned to me (Project Perseus)
Recently created (Project Perseus)
Open assigned to me (Project Sagittarius)
Recently created (Project Sagittarius)

개인 문서 관리함

상세 파일 목록

팀 문서 공유함

RTC 클라이언트 와 Lotus Quickr / Sametime 연계



Work Items - Rational Team Concert
bob [started: 2:33:35 PM]
Bob Jones
I am Available
Documents
Sagittarius Docs
Modified By
Type: Design document type
Date Modified: 1/19/2009 12:00:16 PM
Size: 119 KB
Checked out to:
quickrvm > Design Documents
Work Items
Tag Cloud
Problems
Team Advisor
<No Current Work>

Bob, please take a look at this document:
http://quickrvm:10038/dm/atom/library/f14dfd0049db05209792b74baaa5c98c/document/afb7420049de047f9867b84baaa5c98c/media
draft=true

No results to display

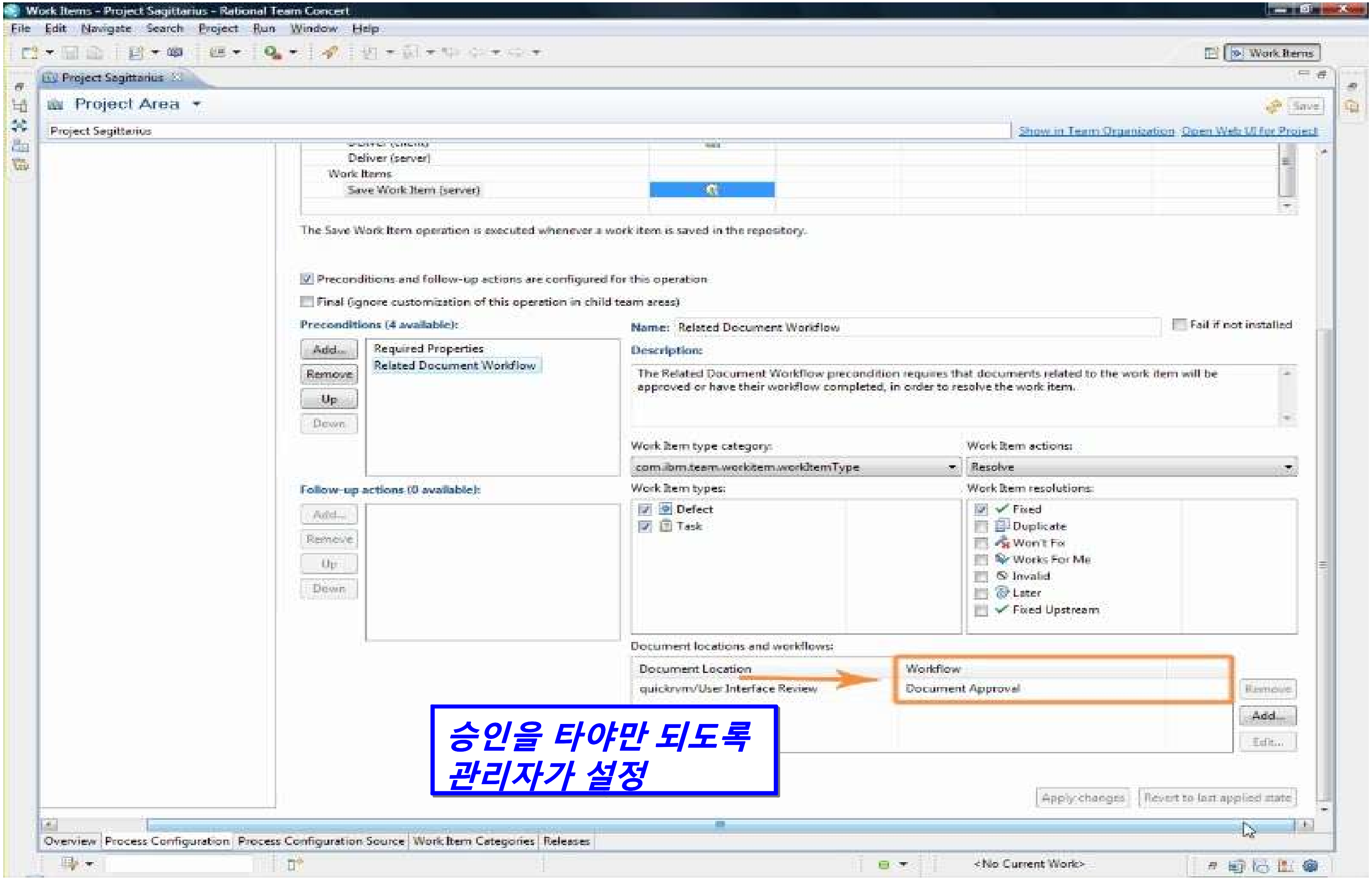
You may choose one of the Work Item queries below to populate this view.
More Work Item queries are available from the Work Items section of the Team Artifacts view.

Open assigned to me (Project Mensa)
Recently created (Project Mensa)
Open assigned to me (Project Perseus)
Recently created (Project Perseus)
Open assigned to me (Project Sagittarius)
Recently created (Project Sagittarius)

Sametime 연계

관련 문서 정보를 Sametime으로 드래그앤 드롭 (빠른 의사전달)

문서 리뷰 및 승인 프로세스를 탈 수 있도록 설정


Work Items - Project Sagittarius - Rational Team Concert
File Edit Navigate Search Project Run Window Help
Work Items
Project Sagittarius
Project Area
Save
Show in Team Organization
Open Web UI for Project
Add...
Remove
Up
Down
Add...
Remove
Edit...
Apply changes
Revert to last applied state
Overview
Process Configuration
Process Configuration Source
Work Item Categories
Releases
<No Current Work>

Project Sagittarius

Deliver (server)
Work Items
Save Work Item (server)

The Save Work Item operation is executed whenever a work item is saved in the repository.

☑ Preconditions and follow-up actions are configured for this operation

☐ Final (ignore customization of this operation in child team areas)

Preconditions (4 available):

Required Properties
Related Document Workflow

Follow-up actions (0 available):

Name: Related Document Workflow

☐ Fail if not installed

Description:

The Related Document Workflow precondition requires that documents related to the work item will be approved or have their workflow completed, in order to resolve the work item.

Work Item type category: com.ibm.team.workitem.workItemType

Work Item actions: Resolve

Work Item types:
- ☑ Defect
- ☑ Task

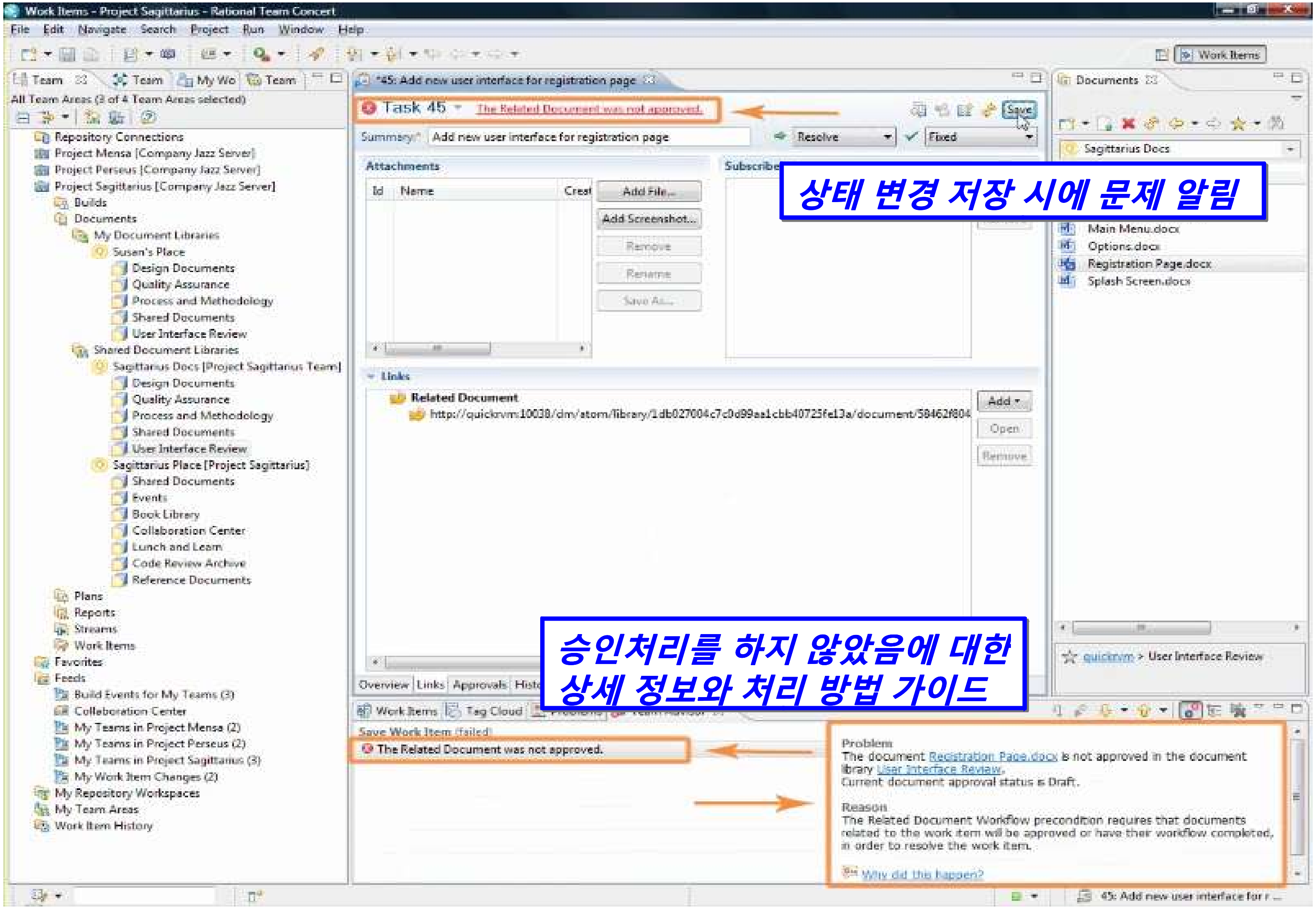
Work Item resolutions:
- ☑ Fixed
- ☐ Duplicate
- ☐ Won't Fix
- ☐ Works For Me
- ☐ Invalid
- ☐ Later
- ☐ Fixed Upstream

Document locations and workflows:

Document Location	Workflow
quickrvm/User Interface Review	Document Approval

승인을 타야만 되도록 관리자가 설정

업무의 상태 변경 과정에서 승인처리가 되어야만 저장가능


Work Items - Project Sagittarius - Rational Team Concert
File Edit Navigate Search Project Run Window Help
Work Items
Team
Team
My Wo
Team
All Team Areas (3 of 4 Team Areas selected)
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Project Perseus [Company Jazz Server]
Project Sagittarius [Company Jazz Server]
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Documents
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Susan's Place
Design Documents
Quality Assurance
Process and Methodology
Shared Documents
User Interface Review
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My Teams in Project Perseus (2)
My Teams in Project Sagittarius (3)
My Work Item Changes (2)
My Repository Workspaces
My Team Areas
Work Item History
Save
Attachments
Id
Name
Creat
Add File...
Add Screenshot...
Remove
Rename
Save As...
Subscribe
Links
Add
Open
Remove
Overview
Links
Approvals
Histo
Work Items
Tag Cloud
Documents
Sagittarius Docs
Main Menu.docx
Options.docx
Registration Page.docx
Splash Screen.docx
quickrvm > User Interface Review

*45: Add new user interface for registration page

Task 45 The Related Document was not approved.

Summary:* Add new user interface for registration page

Resolve

Fixed

Related Document

http://quickrvm:10038/dm/atom/library/1db027004c7c0d99aa1cbb40725fe13a/document/58462f804

Save Work Item (failed)

The Related Document was not approved.

Problem
The document Registration Page.docx is not approved in the document library User Interface Review.
Current document approval status is Draft.

Reason
The Related Document Workflow precondition requires that documents related to the work item will be approved or have their workflow completed, in order to resolve the work item.

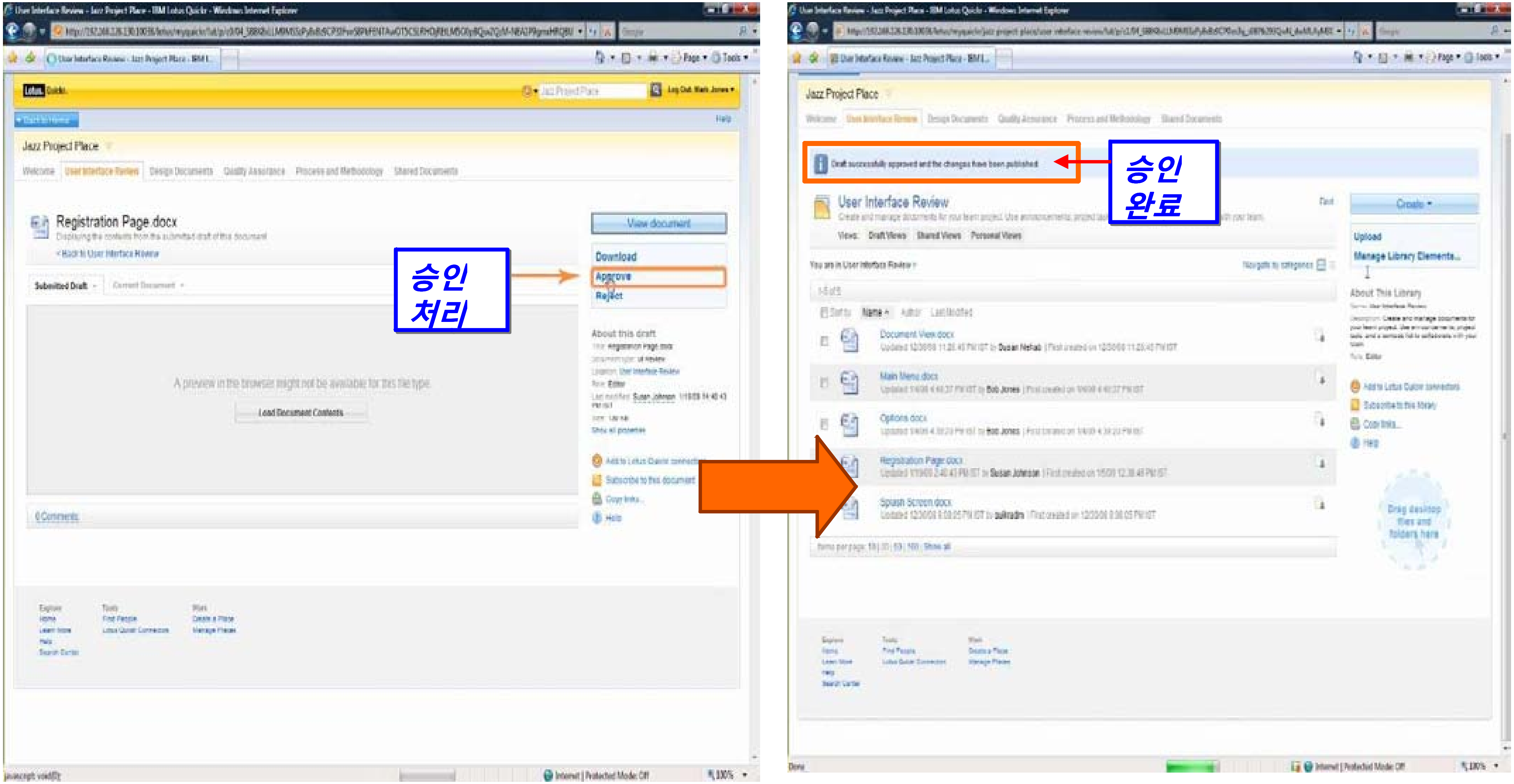
Why did this happen?

45: Add new user interface for r ...

상태 변경 저장 시에 문제 알림

승인처리를 하지 않았음에 대한
상세 정보와 처리 방법 가이드

관리자 및 담당자의 문서 리뷰 및 승인 처리와 완료



Jazz Project Place

Registration Page.docx

Displaying the contents from the submitted draft of this document

A preview in the browser might not be available for this file type.

Draft successfully approved and the changes have been published

User Interface Review

Document View.docx — Updated 12/30/08 11:20:45 PM IST by Susan Nehab

Main Menu.docx — Updated 1/9/09 4:40:27 PM IST by Bob Jones

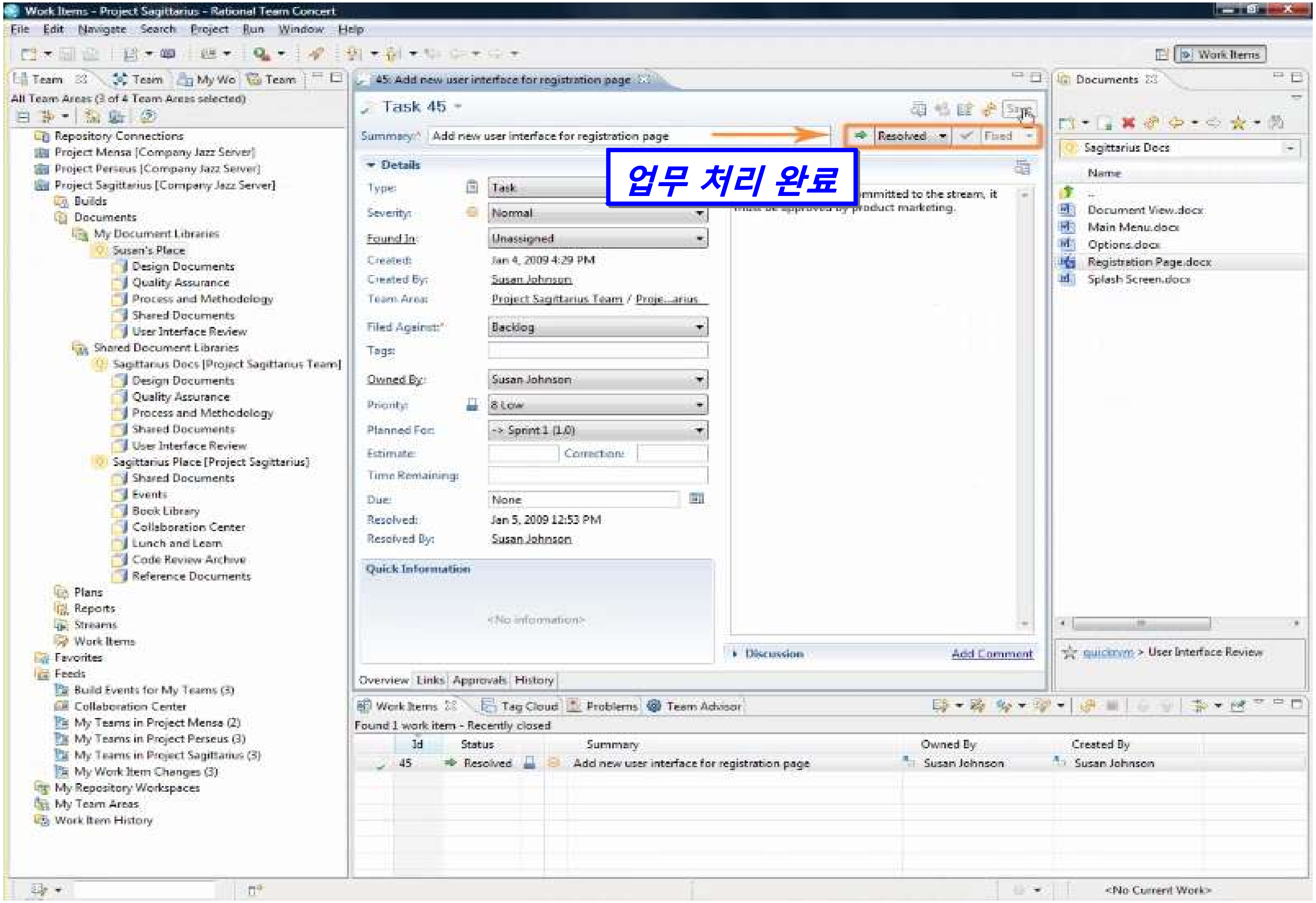
Options.docx — Updated 1/9/09 4:38:23 PM IST by Bob Jones

Registration Page.docx — Updated 1/19/09 2:40:43 PM IST by Susan Johnson

Splash Screen.docx — Updated 12/30/08 by qaadmin

승인
처리
View document
Download
Approve
Reject
About this draft
Submitted Draft
Current Document
Load Document Contents
Welcome
User Interface Review
Design Documents
Quality Assurance
Process and Methodology
Shared Documents
승인
완료
Create
Upload
Manage Library Elements...
About This Library
Views: Draft Views Shared Views Personal Views
Sort by Name Author Last Modified
Drag desktop files and folders here
Help

문서승인까지 완료 후, 업무의 최종 완료처리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Sagittarius Docs [Project Sagittarius Team]
Design Documents
Quality Assurance
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My Teams in Project Sagittarius (3)
My Work Item Changes (3)
My Repository Workspaces
My Team Areas
Work Item History
45: Add new user interface for registration page
Save
Details
Quick Information
<No information>
Discussion
Add Comment
Overview
Links
Approvals
History
Documents
Sagittarius Docs
Name
..
Document View.docx
Main Menu.docx
Options.docx
Registration Page.docx
Splash Screen.docx
quickrym > User Interface Review
Work Items
Tag Cloud
Problems
Team Advisor
<No Current Work>

Task 45

Summary:* Add new user interface for registration page

Resolved ▾ | Fixed ▾

업무 처리 완료

Type: Task
Severity: Normal
Found In: Unassigned
Created: Jan 4, 2009 4:29 PM
Created By: Susan Johnson
Team Area: Project Sagittarius Team / Proje...arius
Filed Against:* Backlog
Tags:
Owned By: Susan Johnson
Priority: 8 Low
Planned For: -> Sprint 1 (1.0)
Estimate: Correction:
Time Remaining:
Due: None
Resolved: Jan 5, 2009 12:53 PM
Resolved By: Susan Johnson

mmitted to the stream, it
product marketing.

Found 1 work item - Recently closed

Id	Status	Summary	Owned By	Created By
45	Resolved	Add new user interface for registration page	Susan Johnson	Susan Johnson

질의 응답

관련정보 및 Q&A

Learn more about how Lotus Connections

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