

Smart Work for a Smarter Planet



Smart Work for Smarter SW Delivery

Speaker Name : Rational Software – 이현찬 차장
E-Mail : hcleee@kr.ibm.com

IMPACT
Korea 2009



art by nintendo - provided by britishgaming.co.uk





다양한 플랫폼의 등장과 함께 빠르게 변화하는 IT 비즈니스

구글폰 vs 아이폰



PMP



네비게이션



미니노트북



UMPC



PSP Nintendo DS



Mobile Phone



PC



PlayStation3



Xbox 360

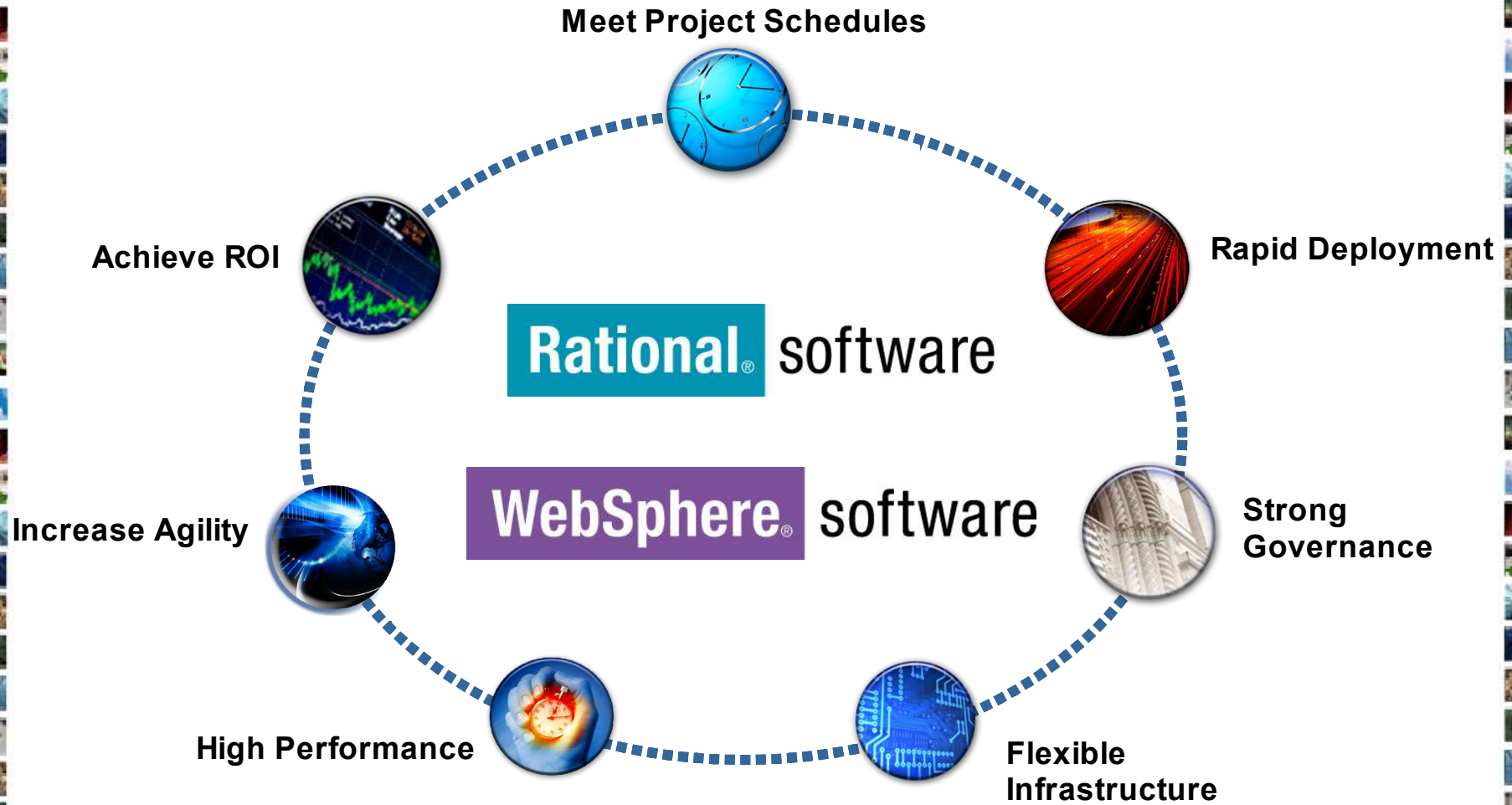


서버





변화의 시대, 소프트웨어 개발도 더욱 똑똑하게 해야만 합니다.





하지만, 우리의 현실은 ...

46%
위험

성공

실패

19%

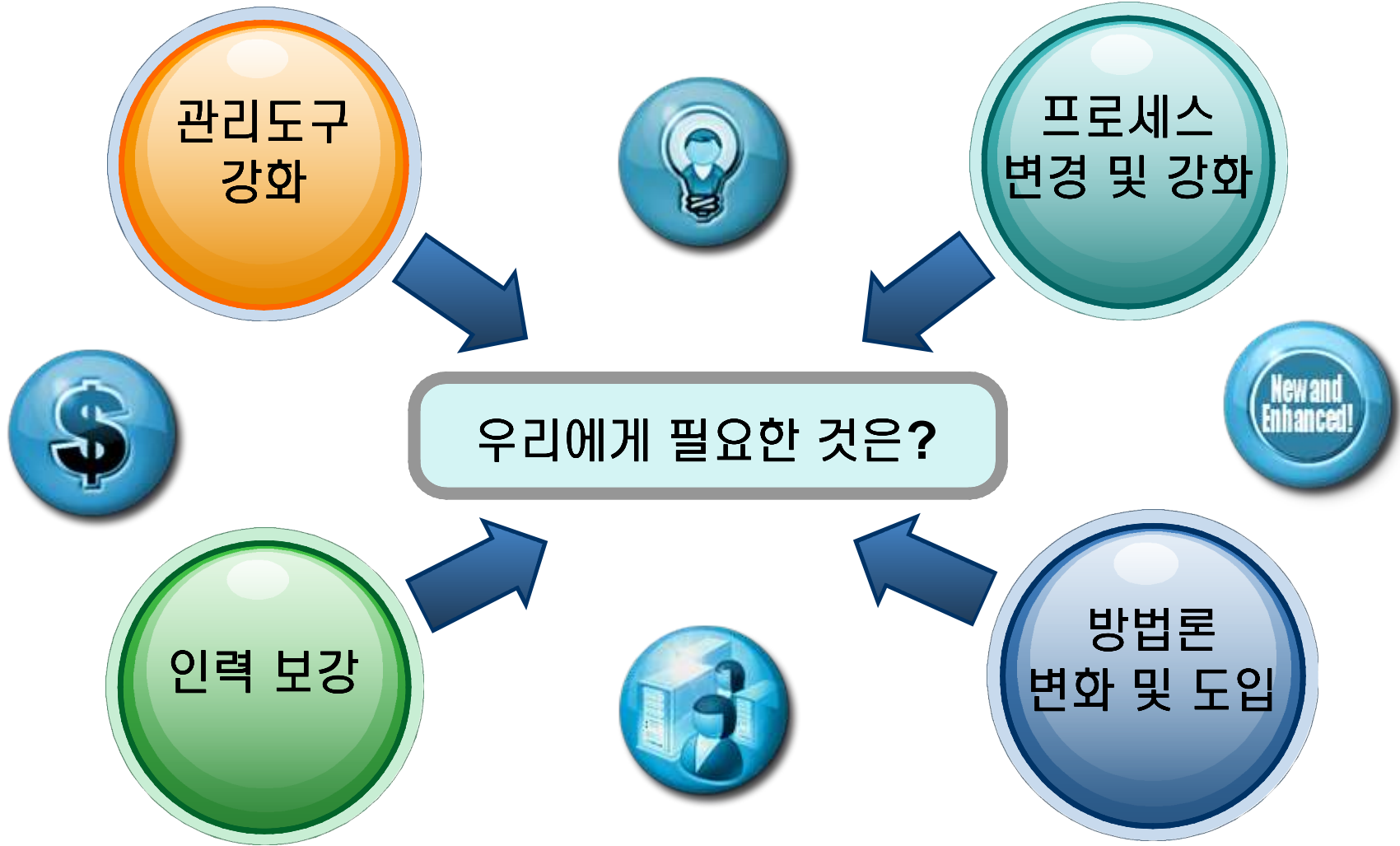
35%

Standish Group, CHAOS Report 2006

- 내부 개발 속도의 만족도 : 37%
- 품질에 대한 만족도 : 42%
- 아웃소싱 프로젝트의 성과 기대치 : 50%

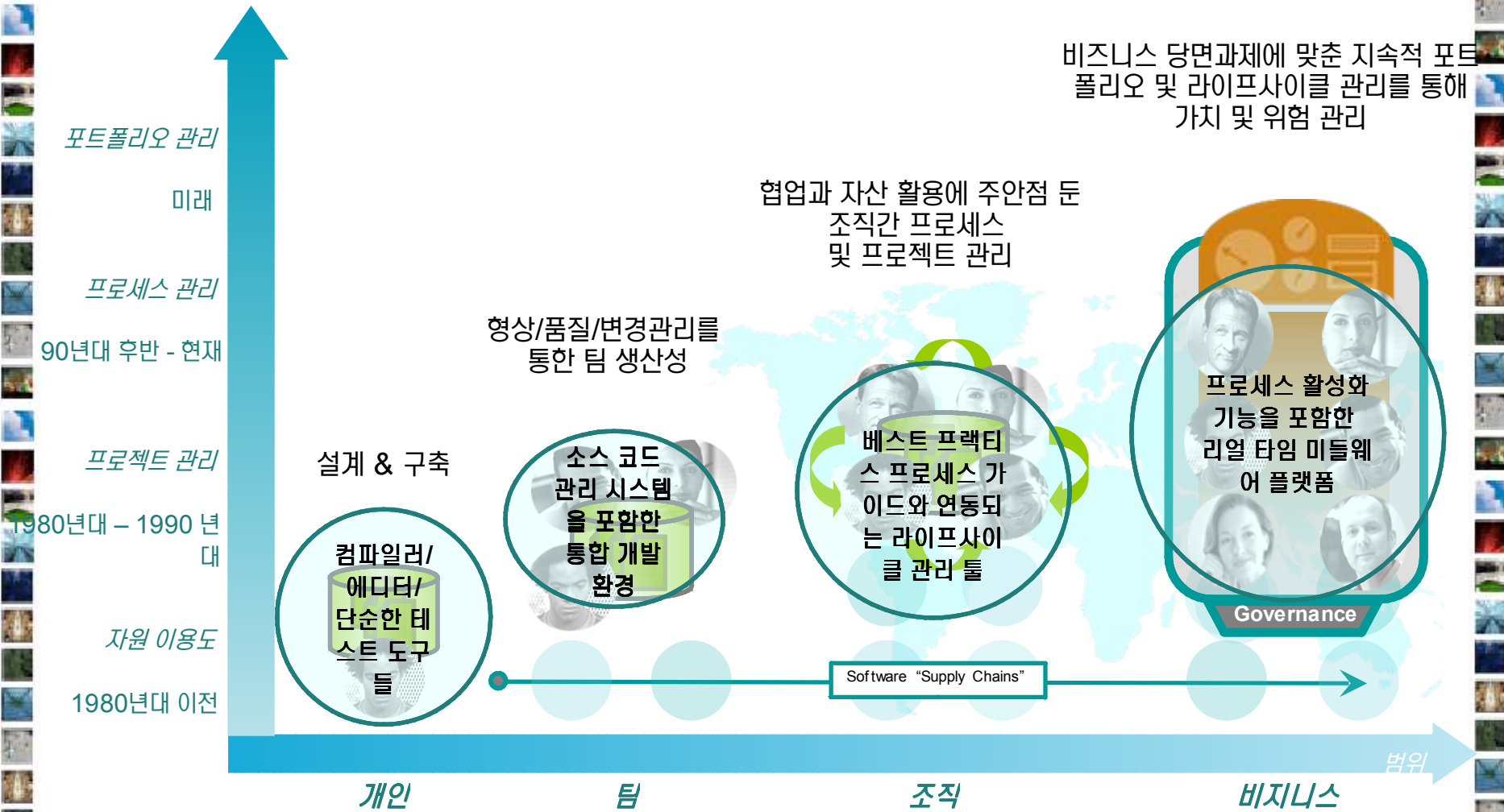


소프트웨어 개발 성공률을 높이기 위한 방법들





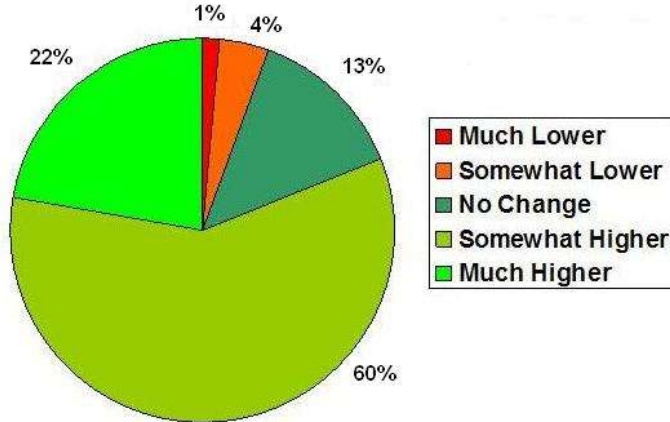
시대의 흐름에 따른 개발 도구와 관리방법의 개선 및 성숙



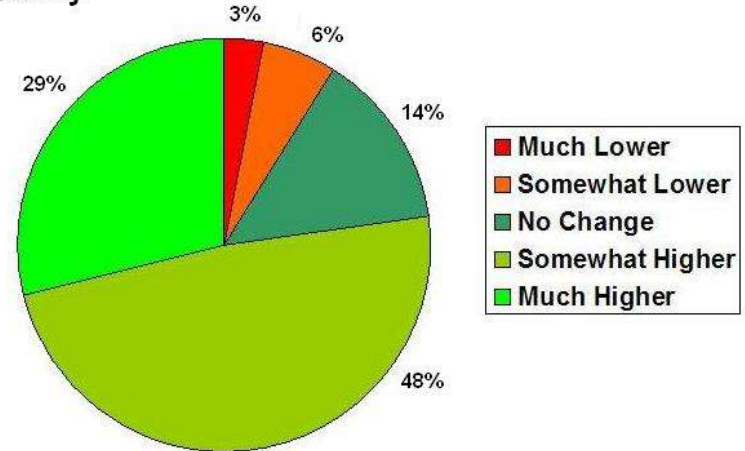


개발 방법의 개선 및 전환 (Waterfall → Iteration → Agile)

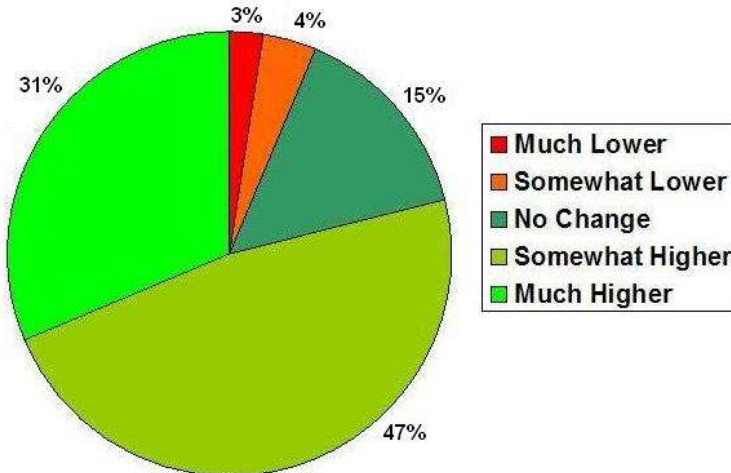
Productivity



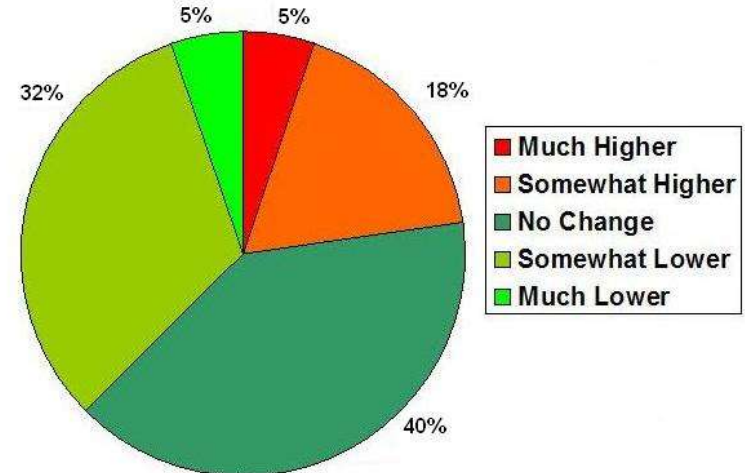
Quality



Business Stakeholder Satisfaction



Cost of System Development



Source: Dr. Dobb's Journal 2008 Agile Adoption Survey

Copyright 2008 Scott W. Ambler



개발 인력은 항시 부족 → 커뮤니케이션의 중요성





회고: 우리는 이미 훌륭한 도구와 방법을 적용하고 있다?!

사진에 촬영의 다양한 방법들



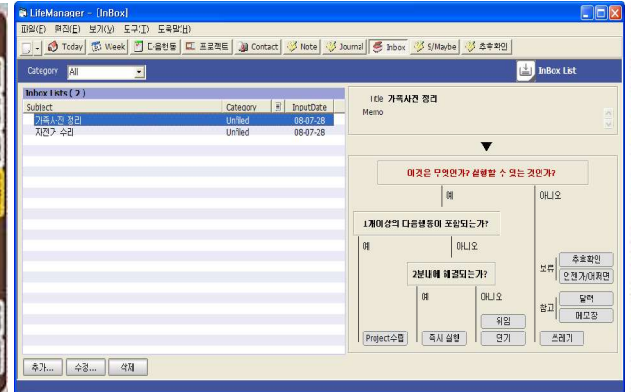
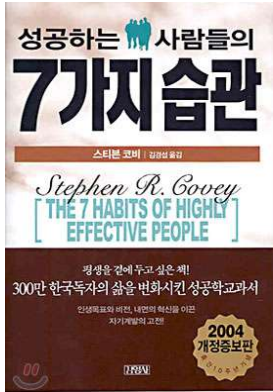
목적 없는 도구에 대한 욕심은 끝없는 무한 반복



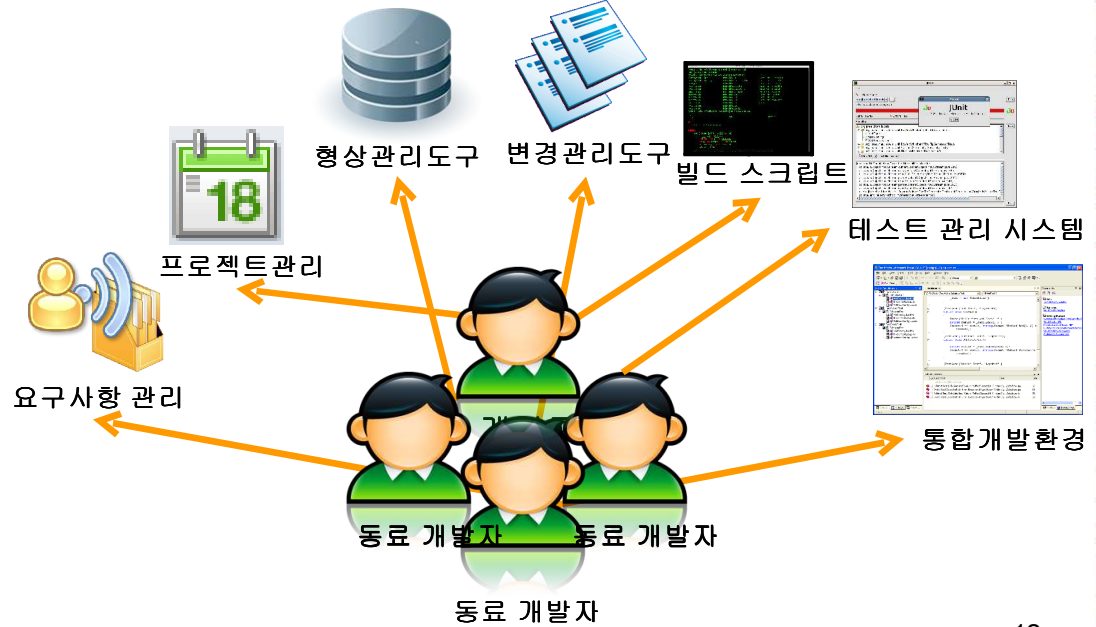
나의 도구는 어떤 것?



회고: 이론을 실천할 수 있게 도와주는 도구를 사용 중인가?!

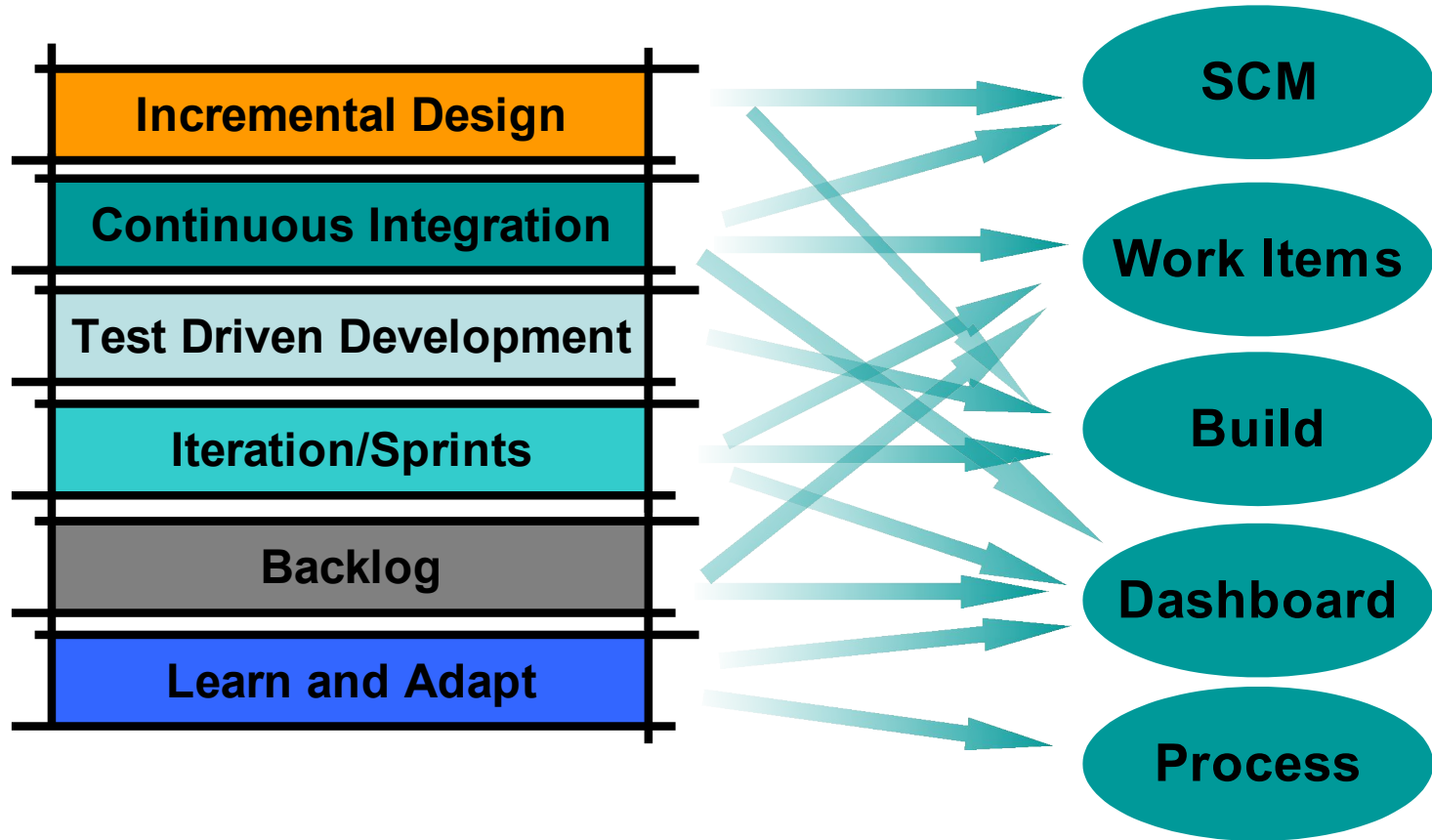


- Rational Unified Process
- IBM Practices
- GDD
- ITUP
- CMMI
- SOA Gov
- Agile
- Scrum
- OpenUP
- XP (eXtreme Programming)
- EclipseWay
- Lean Software Development





필요한 것 : Best Practices 와 ALM Lifecycle 간의 연계성





필요한 것 : 단일화 된 개발 환경

방법론 기반의 프로젝트 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 관리

- 체인지 셋 관리
- 변경 내역 저장, 보류, 관리
- 개인별 저장공간, 통합 저장공간
- 특정 시점의 소스 셋 관리
- 다양한 컨넥터 제공
- 다른 소스관리도구와의 연계

업무 지시 및 변경 관리

- 결함, 기능향상 요청
- 작업 추적
- 승인
- 반복적 계획
- 워크플로어 지원 및 변경
- 다양한 컨넥터 제공

빌드

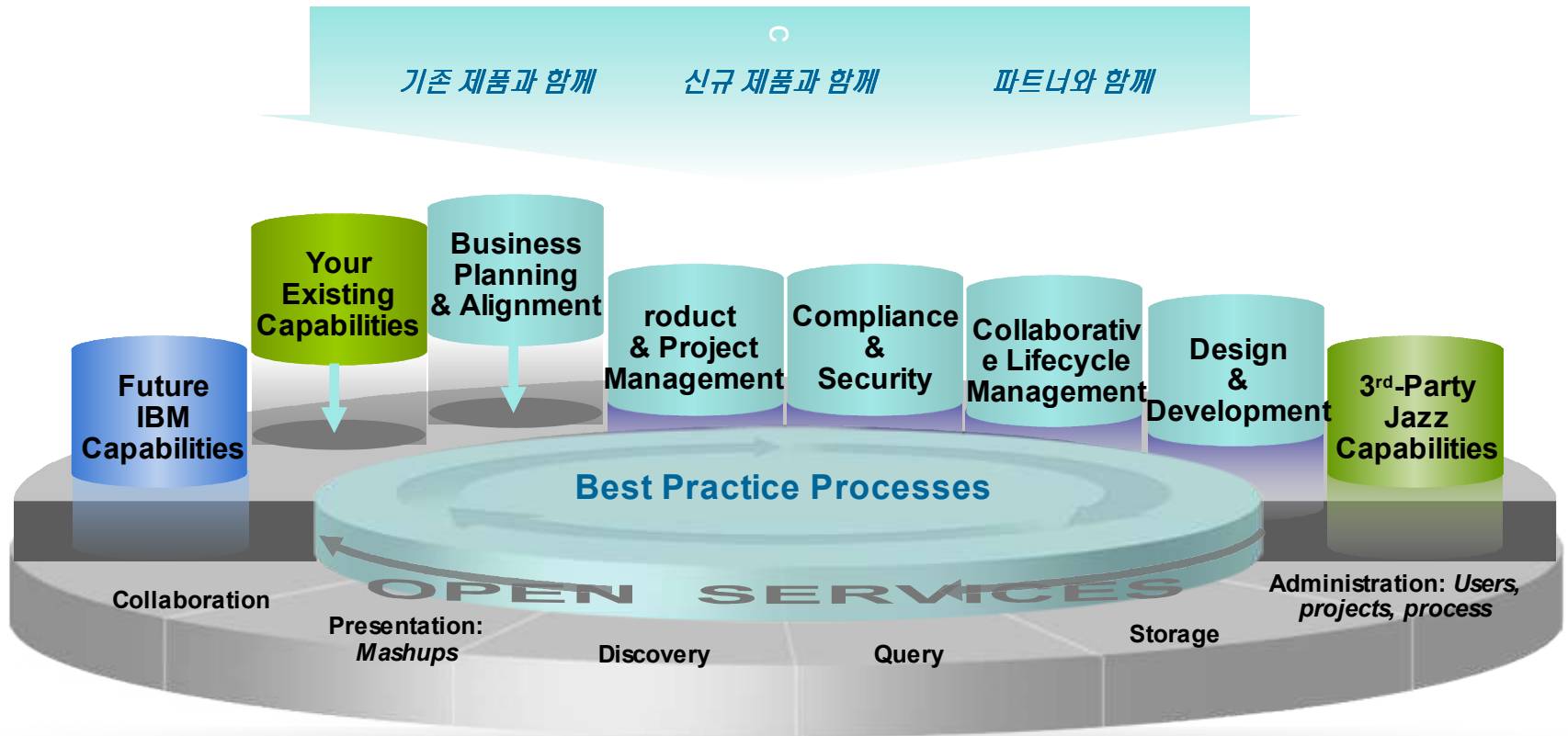
- CI (Continuous Integration)
- 빌드 엔진 내장
- 업무지시-변경소스 셋의 추적
- 팀 빌드, 개인별 빌드 제공
- 전문 빌드/배포도구와의 통합

통합 관리

- 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 룰 기반 실행 제어 제공
- “규칙” 을 정의 / 정련하고 지속적인 향상을 가능케 하는 팀 어드바이저
- 프로세스 제정 및 강화
- 팀원 및 그들의 작업 상태를 보여주는 문맥 (In-context) 협업
- 커스터마이징 가능한 프로젝트 대쉬보드
- 실시간 레포팅 및 쿼리 지원



필요한 것 : 실무차원의 통합 환경 (확장성과 유연성)



다양한 방법과 기능을 확장할 수 있는 통합 환경이 필요



사례분석 : IBM의 경험과 이를 통한 개발팀의 변화

2001년



JUnit



IBM 내부 개발팀,
IBM GBS/GTS 적용
- 자발적 사용 증가 -

개발 툴의 진화
IDE → XDE



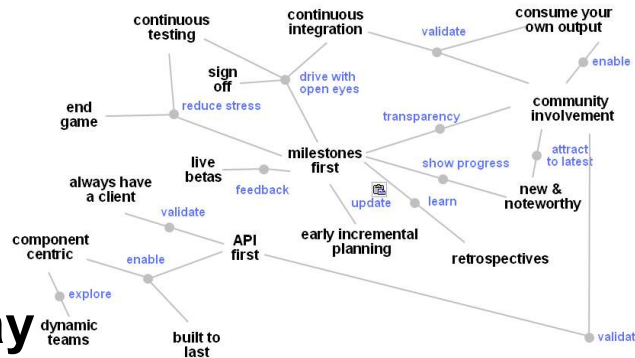
Over 50 Rational development teams (900+users),
Over 125 teams around IBM (Oct 2008)



Eclipse Platform

2004년

개발 환경/방법의 진화
XDE → CDE



Eclipse Way

2008년 6월 ~

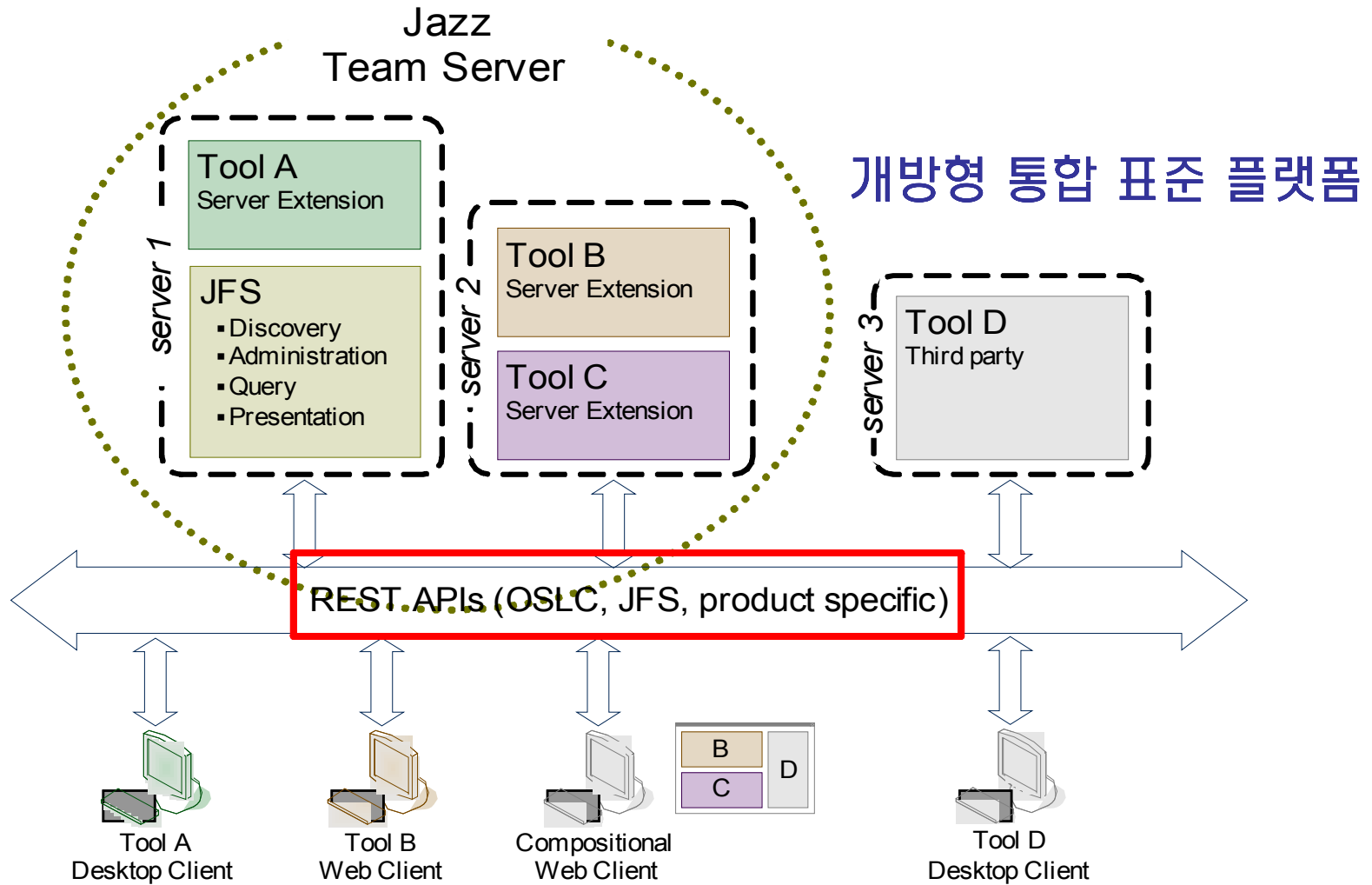
1년 ~

2006년





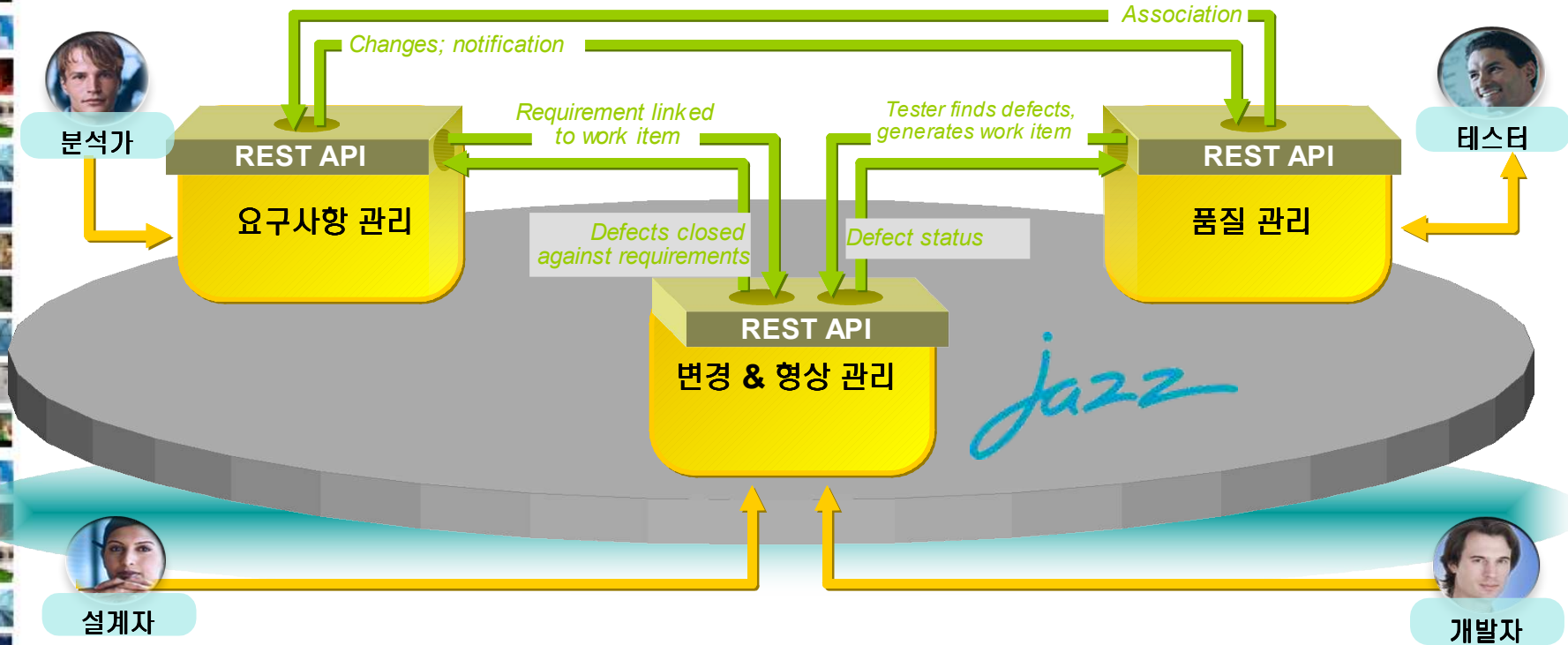
어플리케이션 툴간 통합을 위한 아키텍처



Open Services for Life-cycle Collaboration (OSLC) specification.



통합 소프트웨어 플랫폼

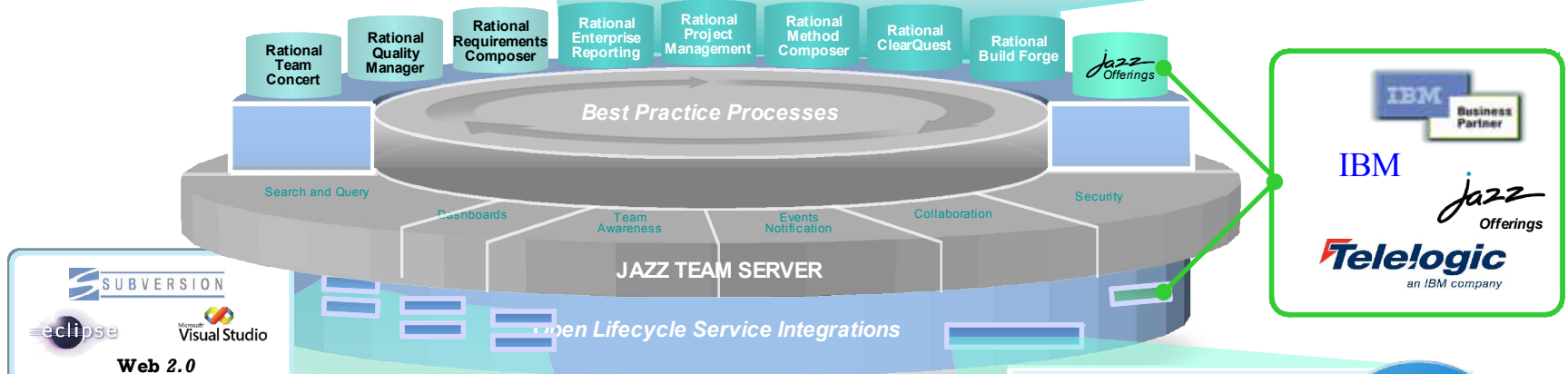


- 분석가, 개발자, 설계자, 개발자간 조화 및 협력
 - 상호 협력 및 상태 추적
- 프로젝트 계획과 관련하여 팀이 잘 구성
 - 요구사항이 개발 계획상에 어디에 있는지 확인 가능

- 빌드 추적 및 장애 발생 확인
 - 테스트 할 준비가 된 빌드는 어떤 것인가?
 - 테스트 진행상에 방해가 되는 장애는 어떤 것인가?
- C/ALM 대시보드 매쉬업을 이용한 상태 추적
 - 팀과 아티팩트간 투명성 확보



IBM Rational : 차세대 통합 플랫폼으로 통합





IBM 개발자들이 Rational Team Concert 에 왜 열광하는가?

eclipse **반복적 계획수립**

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

eclipse **프로젝트 투명성**

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

eclipse **소스 변경 관리**

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

eclipse **작업 항목**

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

eclipse **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 어드바이저
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- 실시간 레포팅 및 쿼리 지원



기본기능 : 할당된 작업항목을 통한 의견 교환 및 업무 수행

55: JUnit 4 not really backward compatible

Defect 55

Summary: * JUnit 4 not really backward compatible

Resolved Fixed

기초기능

Details

Type: Defect

Severity: Major

Found In: Unassigned

Created: Feb 27, 2008 11:11 PM

Created By: Rick Yuen

Team Area: JUnit Team / JUnit Project

Filed Against: JUnit

Tags: m1candidate

Owned By: Bill Cassavelli

Priority: High

Planned For: 4.4 m1

Estimate: 2 d Correction:

Time Spent:

Due: None

Description

JUnit 4 claims to be backward compatible. My understanding of this is this means that JUnit 3 tests and suites can be executed without any changes.

However, running a class with a static suite() method is no longer supported: the class needs to be modified and a @RunWith(@Suite) annotation has to be added.

We had several bugs/requests for the Eclipse JUnit launcher in this area.

Discussion (4 comments)

Hide Comment Field

1. Rick Yuen, Feb 27, 2008, 11:15 PM
Should say: Needs to be modified and a @RunWith(AllTests.class) annotation added.
2. Bill Cassavelli, Feb 28, 2008, 2:01 AM
This is fixed in head and will roll with 4.3.
3. Patrick Streule, May 26, 2008, 11:39 AM
Added: attachment 2 (capture23968.png)
4. Markus Kent, May 26, 2008, 12:26 PM
See also work item 56 for a related issue.

Quick Information

Subscribers (2): JG, MK

Attachments (1): 2

Related (1): 42

Mentions (1)

Change Sets (1)

Included in Builds (1)

4.4 M1 Approval: Approved (1 of 1)

4.4 M1 Review: Approved (1 of 1)

관련 링크들

업무에 대한 의견 교환

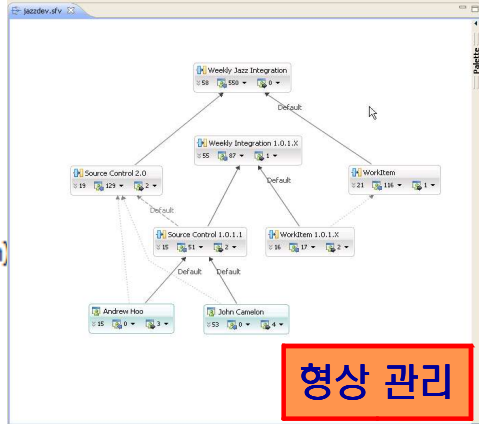
Press 'Save' to Add Comment to Discussion

Overview Links Approvals History



기본기능 : 개발 소스의 변경과 관리

소스의 관리



작업항목과의 연계

소스 충돌 해결

소스 변경 실시간 알림

소스 변경 히스토리



기본기능 : 빌드 관리와 빌드 히스토리

Work Items - B20080609-2040-workshop.squawk.core.continuous.build - Rational Team Concert

오류 발생시 신규 작업항목 생성

빌드 요청

빌드 결과와 현 시점 소스 관리

빌드 결과 히스토리 관리

Completed
Duration: 1 minute, 9 seconds
Start Time: 2008년 6월 10일 (화) 오전 10:40:24
Completed: 2008년 6월 10일 (화) 오전 10:41:34

Status Trend: [Progress bar]

Contribution Summary
Compile: 0 errors, 0 warnings
Downloads: 1 download
External Links: 1 link
Logs: 1 log
Repository Workspace: workshop.squawk.core.build.workspace
JUnit: 4 tests, 0 failures, 0 errors
Snapshot: workshop.squawk.core.continuous.build_B20080609-2040
Work Items: None included
Changes: Show changes

Associated Release
Released builds are available as choices in the work item "Found In" field.
Create a release to associate with this build

Reported Work Items
None reported against this build
Create a new work item
Associate an existing work item

General Information
Requested by: Jerry Jazz
Build Definition: workshop.squawk.core.continuous.build
Build Engine: workshop.build.engine
Build History: 17 builds
Tags: [Input field]
Deletion allowed

Summary | Activities | Compilation | JUnit | Downloads | Logs | External Links | Properties

Build	Label	Progress	Estimated Comple...	Start Time	Duration	Tags
workshop.squawk.core.continuous.build	B20080609-2040-workshop.squawk.core.continuous.build	Completed		2008년 6월 10일 (화) ...	1 minute, 9 seconds	
workshop.squawk.core.continuous.build	B20080407-1554-workshop.squawk.core.continuous.build	Completed		2008년 4월 8일 (화) ...	23 seconds	
workshop.squawk.core.continuous.build	B20080314-1507-workshop.squawk.core.continuous.build	Completed		2008년 3월 15일 (토) ...	28 seconds	
workshop.squawk.core.continuous.build	B20080313-1337-workshop.squawk.core.continuous.build	Completed		2008년 3월 14일 (금) ...	12 seconds	
workshop.squawk.core.continuous.build	B20080313-1045-workshop.squawk.core.continuous.build	Completed		2008년 3월 14일 (금) ...	38 seconds	
workshop.squawk.core.continuous.build	B20080307-1459-workshop.squawk.core.continuous.build	Completed		2008년 3월 8일 (토) ...	11 seconds	
workshop.squawk.core.continuous.build	B20080307-1403-workshop.squawk.core.continuous.build	Completed		2008년 3월 8일 (토) ...	26 seconds	
workshop.squawk.core.continuous.build	B20080307-1352-workshop.squawk.core.continuous.build	Completed		2008년 3월 8일 (토) ...	18 seconds	
workshop.squawk.core.continuous.build	B20080303-1057-workshop.squawk.core.continuous.build	Completed		2008년 3월 4일 (화) ...	24 seconds	
workshop.squawk.core.continuous.build	B20080303-1048-workshop.squawk.core.continuous.build	Completed		2008년 3월 4일 (화) ...	28 seconds	
workshop.squawk.core.continuous.build	B20080303-1042-workshop.squawk.core.continuous.build	Completed		2008년 3월 4일 (화) ...	27 seconds	
workshop.squawk.core.continuous.build	20080303-1017	Completed		2008년 3월 4일 (화) ...	26 seconds	
workshop.squawk.core.continuous.build	B20080201	Completed		2008년 2월 2일 (토) ...	30 seconds	v20080201
workshop.squawk.core.continuous.build	B20080129	Completed		2008년 1월 29일 (화) ...	39 seconds	workitem26
workshop.squawk.core.continuous.build	B20080124	Completed		2008년 1월 24일 (토) ...	10 seconds	



개발의 성숙도를 한 단계 뛰어 넘기 위해서는 ...

eclipse

반복적 계획수립

- 통합된 반복 계획 및 실행
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eclipse

프로젝트 투명성

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eclipse

소스 변경 관리

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

eclipse

작업 항목

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- 작업 추적
- 승인
- 짧은 반복 계획
- 워크플로어 커스터마이징
- 타 제품과의 컨넥터

기본기능

eclipse

빌드

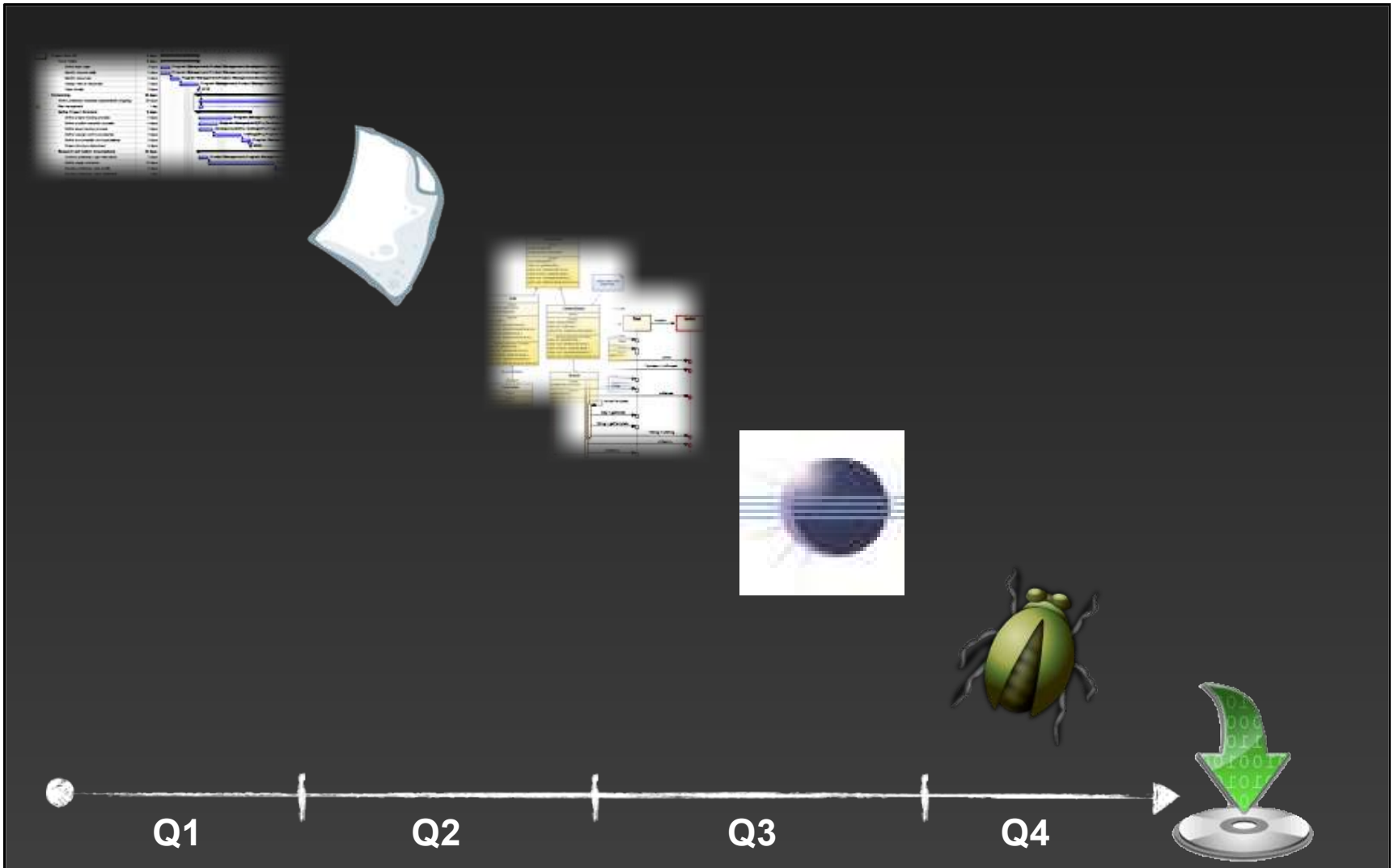
- CI (Continuous Integration)
- 빌드 엔진 내장
- 워크 아이템 및 체인지 셋 추적
- 팀 빌드, 개인별 빌드
- Build forge와 통합

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 어드바이저
- 프로세스 제정 및 강화
- 팀원 및 그들의 작업 상태를 보여주는 문맥 (In-context) 협업
- 커스터마이징 가능한 프로젝트 대쉬보드
- 실시간 레포팅 및 쿼리 지원

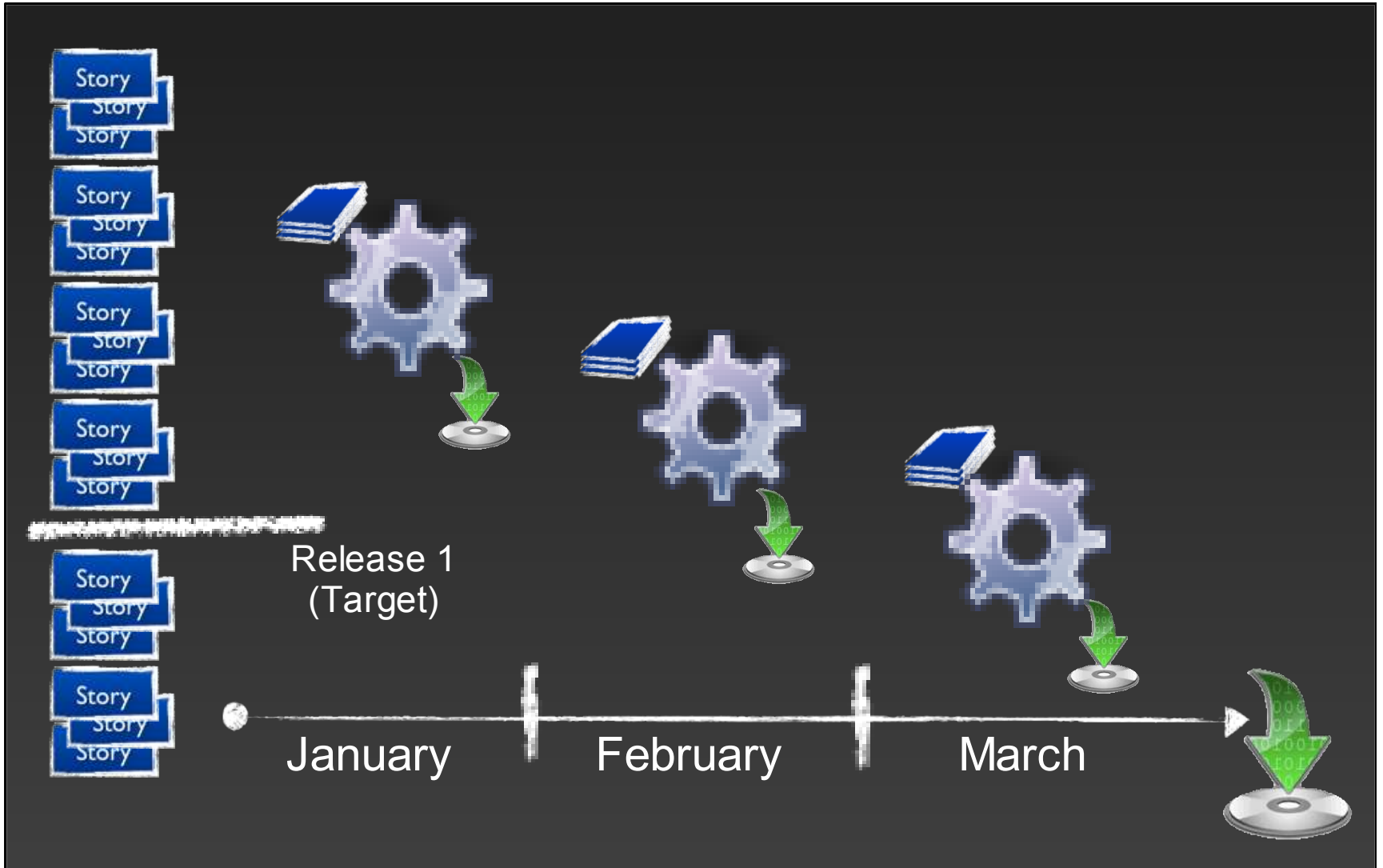


살펴보기 : Waterfall Release



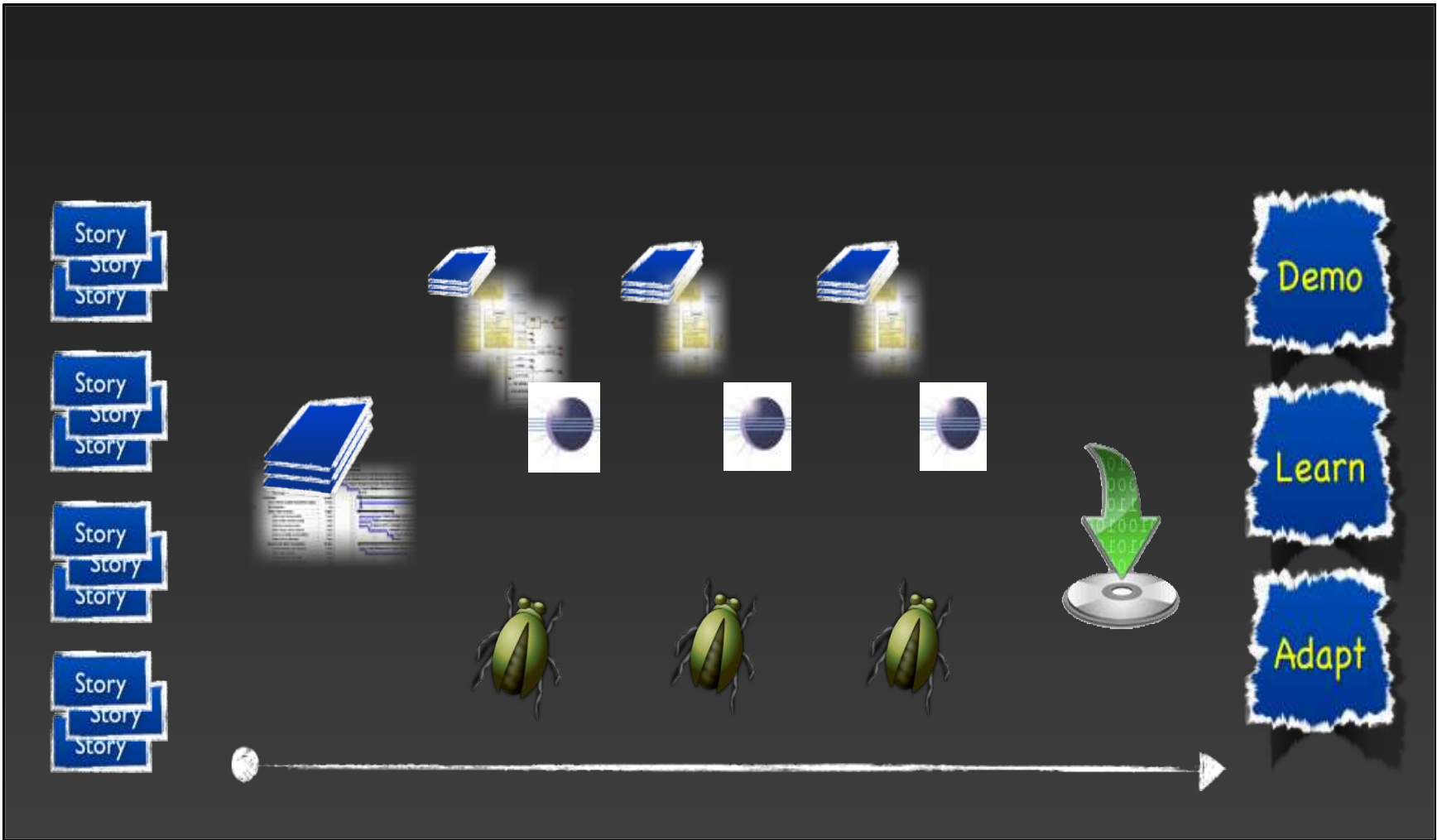


살펴보기 : Iterative Release





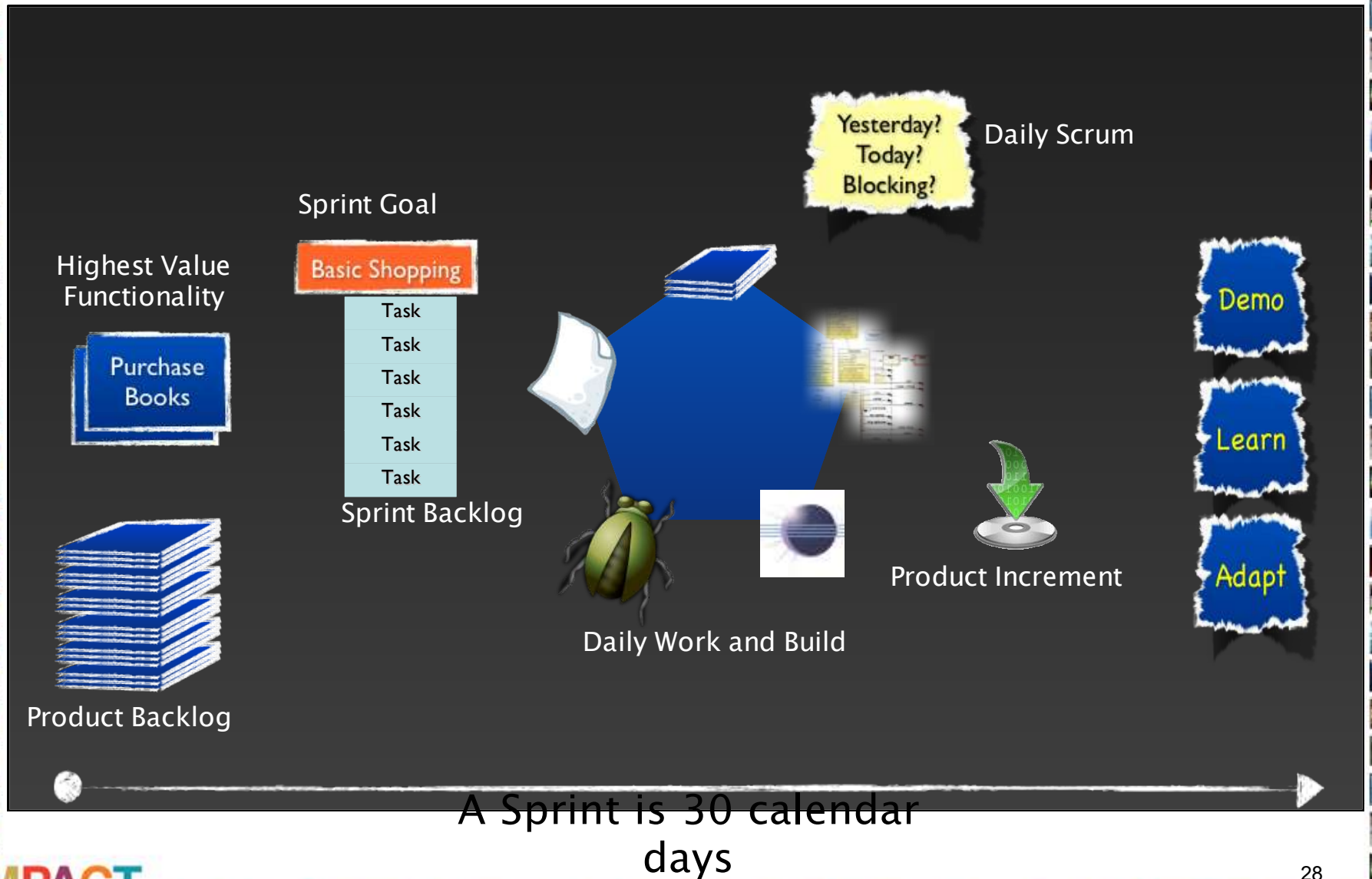
살펴보기 : 각 Iteration 상세내용



2주에서 6주 정도의 기간동안

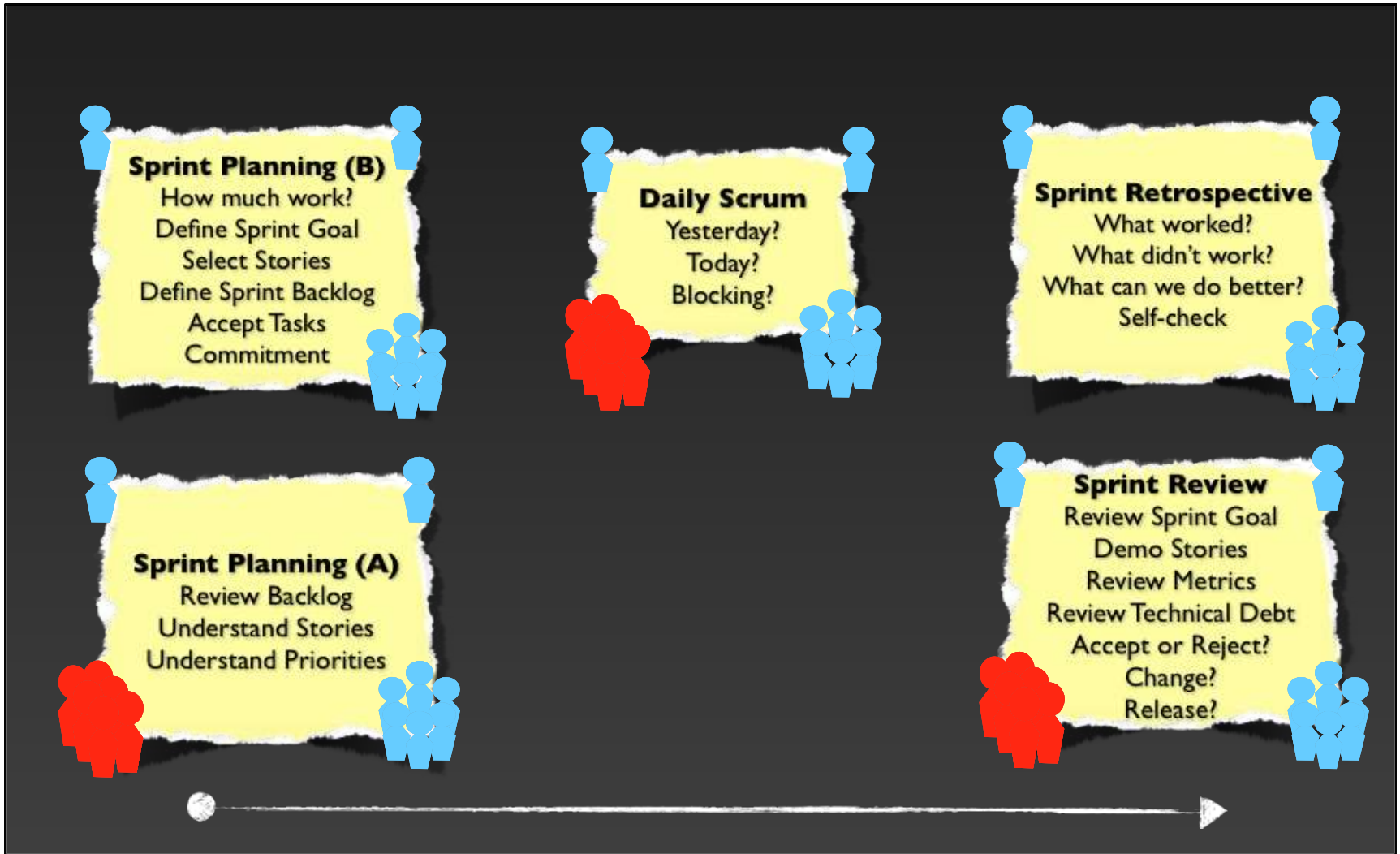


살펴보기 : 예제 Scrum 워크플로우





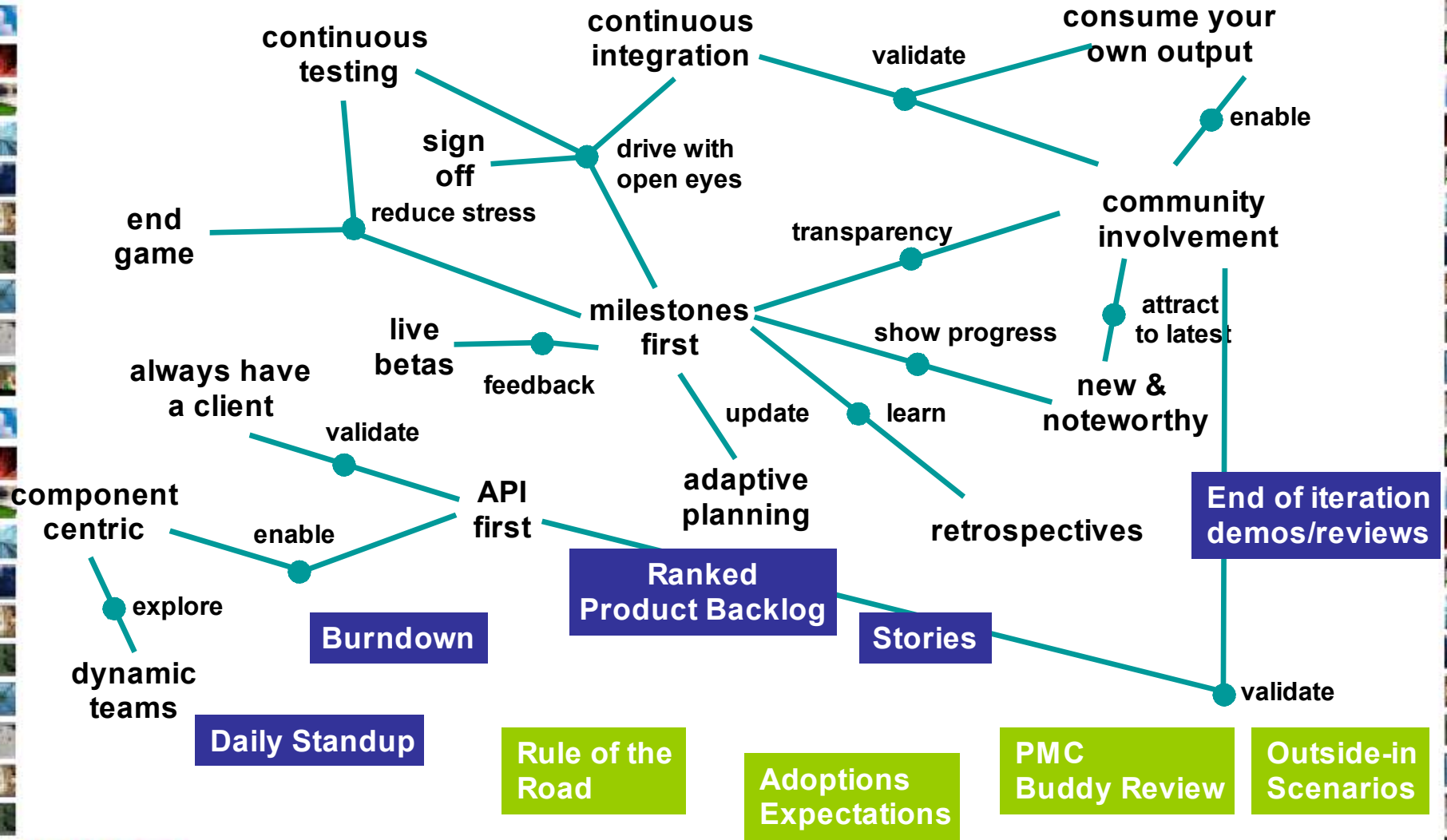
살펴보기 : 예제 Scrum 이벤트



30 calendar days



IBM 개발팀의 사례 : Eclipse Way + Scrum + XP 의 만남





팀 구성 : Distributed Team (7지역)



Team Organization

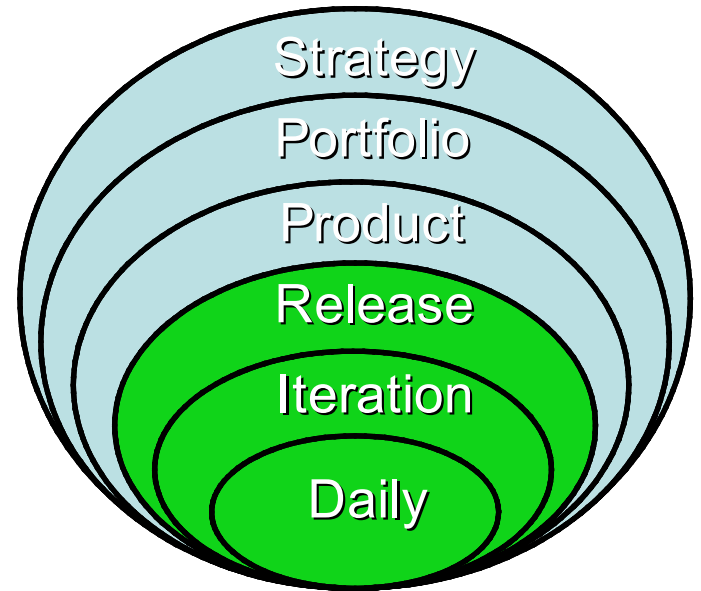
- Jazz Foundation [jazzdev.torolab.ibm.com]
 - Rational Team Concert [jazzdev.torolab.ibm.com]
 - Community [0.6 beta maintenance]
 - Jazz 1.0.1.X Maintenance [1.0.1.X Maintenance]
 - Jazz 1.0 Patches [1.0 Patches]
 - Jazz Post 1.0 Explorations [Post 1.0 Explorations]
 - RTC Development [Main Development]
 - Agile Planning
 - Build
 - ClearCase Connector
 - ClearQuest Connector
 - Client for Visual Studio
 - Community Site
 - Dashboard
 - Developer Test Team
 - Incubator
 - Install
 - Jumpstart
 - Performance and Reliability (PRT)
 - Process
 - Rational Change Management
 - Release Engineering
 - Reports
 - Repository
 - RTC On IBM i and System z
 - Source Control
 - System Test
 - UI Design
 - User Assistance
 - Web UI Foundation
 - Work Item
 - Work Item Enterprise
 - X-Team Web UI





Planning : Planning의 범위와 내용

- **Planning Onion (Mike Cohn)**
 : *Agile Estimating and Planning*
 : 불확실성과 화해하는 프로젝트 추정과 계획
 - Daily
 - Iteration
 - Release

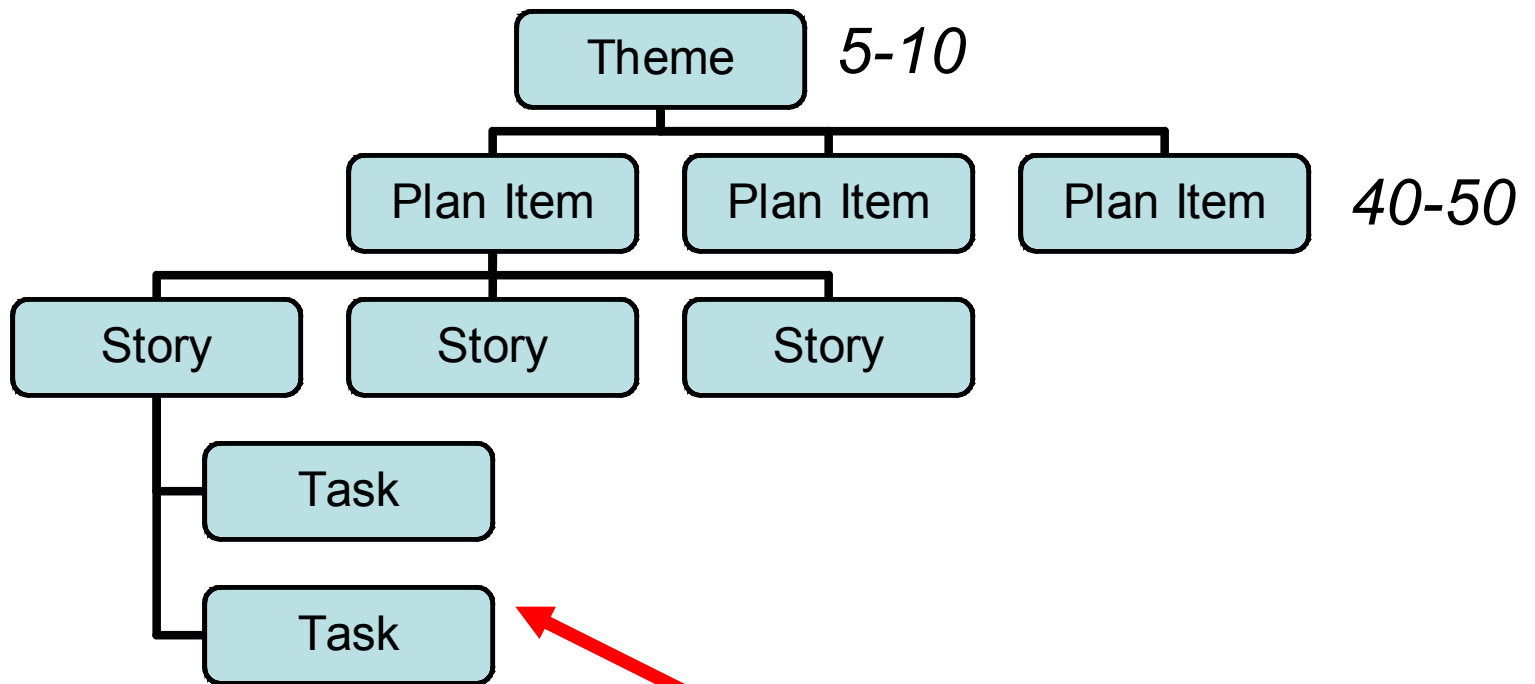


A screenshot of a project management tool interface. The main area shows a tree view of 'Process Iterations'. A red box labeled 'Release' highlights the top-level iteration '2.0 [10/27/08 - 6/26/09]'. Below it, several sub-iterations are listed, including '2.0 M1D1 [10/27/08 - 11/21/08]', '2.0 M1 [11/24/08 - 12/19/08]', '2.0 M2D1 [12/22/08 - 1/30/09]', '2.0 M2 [2/2/09 - 2/27/09]', '2.0 M3D1 [3/2/09 - 3/27/09]', and '2.0 M3 [4/29/09 - 4/24/09]'. A red box labeled 'Iteration' highlights the '2.0 M3D1' sub-iteration. On the right side, there are buttons for 'Edit Properties...', 'Duplicate...', 'Create Line...', and 'Create Iteration...'.

A screenshot of a user's task list in a project management tool. The user is identified as 'Bill Cassavelli' with 'Closed items: 0 | Open items: 4'. The tasks are organized into columns: 'To Do', 'In Progress', and 'Done'. The 'To Do' column contains 'Improve Documentation' (55) and 'javadoc updates for @Ignore in 4.3' (30). The 'In Progress' column contains 'assertThat fails with Class tests (documentation problem)' (10) and 'Improve Documentation' (55). The 'Done' column contains 'Typo in wrong pack for JUnitCore' (In Progress). Below the task list, there are sections for other users: 'Jason Mitchell' (Closed items: 5 | Open items: 5) and 'Markus Kent' (Closed items: 4 | Open items: 3). A red box labeled 'Daily' is positioned at the bottom right of the screenshot.



Planning : Plan 구조



우리에 현실 : Task 만 관리하는 수준



Planning : Project Management 와 Plan

PMC [2.0 M3] - Plan 'PMC - 2.0 M3'

PMC

Team Area: RTC Development | Iteration: 2.0 M3 (3/30/09 - 4/24/09) | 15 Closed | 3 Open

No Work Estimated

PMC Plan M3D1

- The **Planned Items** tab - shows the work items corresponding to the plan **view in Group by Team Folders**
- The **Component Summary** tab provides an overview of the committed deliverables for this iteration.

Timelines

- RTC [Timeline](#)
- JF [Timeline](#)

2.0 PMC Mandates Roadmap

The road map is described [here](#)

Themes

- New adoptions
 - [Adopt CSS optimization / modularity system \(71903\)](#)
 - [Process migration helpers are now keyed to component models \(72926\)](#)
 - User setting user interface in Web/UI. The UI will come in FM_RCO and the change needs adoptions from components. See [Contribute overview page to the user settings \(75402\)](#)
- Ensure that all started adoptions are in a done/done/done state meaning they are implemented, tested and deployed.
 - [Read Permission Adoption \(69524\)](#)
 - [Enable project areas with no teams \(65343\)](#)
 - [Team areas can exist outside a development line \(65330\)](#)
 - [Enable showing artifacts \(builds, plans, streams, etc\) in the project area editor \(72920\)](#)
 - [Implement Eclipse 3.3 -> 3.4 \(72921\)](#)
 - [Implement and Test RTC without Build, SCM \(64810\)](#)
- Performance
 - Performance work based on the large-scale performance testing
 - Performance pass to ascertain impact of major changes such as read permissions
- Complex text and accessibility enablement
 - Complex text enablement: Change sets from Tod need to be reviewed and delivered by the teams
 - Accessibility enablement: Change sets from Tod need to be reviewed and delivered by the teams
- C/ALM
 - A list of wishes from C/ALM against RTC can be found [here](#). C/ALM is a joined effort from Jazz Foundation, RQM, RRC and RTC, RTC. We should address important requests from C/ALM.

PMC Work

- [Define SDK Contents \(66475\)](#)

Buddy Review Tracking

- [M3 PMC Buddy Plan Review \(75788\)](#)

Overview | **Planned Items** | Charts | Component Summaries

전반적인 계획을 작성하는 위키보드



Planning : Release Plan (Release Backlog : Plan Item)

Rational Team Concert 2.0 Release Plan Problems detected

Team Area: Jazz Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 29 Closed | 58 Open

Progress: 0/0 | 0 h Estimated: 66%

Planned Items

Closed items: 9 | Open items: 46

Item	Progress	Priority	Estimated
Project level read access control	0/0 h	High	62548
Server performance and scaling data	0/0 h	High	62550
Recipes for high availability servers	0/0 h	High	65926
Enable other bundlings of RTC components	0/0 h	High	62552
Provide REST API for work items	0/0 h	High	62523
Support multi-repository dashboards	0/0 h	High	62556
Repository consolidation	0/0 h	High	65597
RTC client for VS IDE – build, team status view	0/0 h	High	62730
Support planning in web UI	0/0 h	High	62545
Improve Scrum support	0/0 h	High	62525
Provide web UI for builds	0/0 h	High	62540
Improve work item customizability	0/0 h	High	62528
More flexible workspace loads	0/0 h	High	62534
SCM logical resource support	0/0 h	High	62533
Common user identity	0/0 h	Medium	65927
RTC SDK	0/0 h	High	65924
SCM: Server operation logging	0/0 h	High	63105
ClearCase importer	0/0 h	High	62537
Improve management of sync streams	0/0 h	High	62518
ClearQuest Connector set-up improvements	0/0 h	Medium	62517

Overview **Planned Items** Charts Themes

Processing... (100%) Concert 69524: Read Permission Adoption 607 Hits



Planning : Release Plan (Release Backlog: Plan Item Preview)

The screenshot displays the Rational Team Concert (RTC) interface. At the top, the title bar reads "Java - Iteration plan 'Rational Team Concert 2.0 Release Plan - 2.0' - Rational Team Concert". The main window shows a "Rational Team Concert 2.0 Release Plan" with a "Problems detected" warning. A red box highlights the "상세 보기 (Preview)" button in the top right toolbar. Below the toolbar, the "Planned Items" list is visible, with a red box around the header and another red box around the item "Improve Scrum support" (ID 62525). The right-hand pane shows the "Plan Item 62525" details, including a progress bar (3/3 h, 75% estimated), team area ("Jazz Development / Rational Team Concert"), priority ("High"), and owner ("Erich Gamma", highlighted with a red box). The "Discussion" section shows five comments. The bottom navigation bar has "Planned Items" selected, also highlighted with a red box.

상세 보기 (Preview)

Planned Items
Closed items: 9 | Open items: 46 | Progress: 0/0 h | Estimated: 61%

Item Name	ID
Project level read access control	62548
Server performance and scaling data	62550
Recipes for high availability servers	65926
Enable other bundlings of RTC components	62552
Provide REST API for work items	62523
Support multi-repository dashboards	62556
Repository consolidation	65597
RTC client for VS IDE – build, team status view	62730
Support planning in web UI	62545
Improve Scrum support	62525
Provide web UI for builds	62540
Improve work item customizability	62528
More flexible workspace loads	62534
SCM logical resource support	62533
Common user identity	65927
RTC SDK	65924
SCM: Server operation logging	63105
ClearCase importer	62537
Improve management of sync streams	62518
ClearQuest Connector set-up improvements	62517

Plan Item 62525

Details

- Type: Plan Item
- Progress: 3/3 h | Estimated: 75%
- Team Area: Jazz Development / Rational Team Concert
- Filed Against: PMC
- Tags:
- Dev Status: On Track
- Theme: Team First
- Priority: High
- DCP Boca: Base Content
- Crossteam:
- Complexity: Significant
- Owned By: Erich Gamma**
- Planned For: 2.0

Quick Information

- Subscribers (17): AM, BB, BC, CP, DB, GC, GS ...
- Children (10): 63593, 64125, 64126, 64243 ...
- Blocks (1): 66117
- Related (0)

Description

Improve Scrum support. V Scrum-style backlog planning w for a release are arranged in p be grouped by iterations, and l sprints/iterations. We should in progress on tasks by providing presentation of the work item

Discussion (10 comments; 10)

1. Dirk Baeumer, Nov 10, 2011 James, can you add the cl your 2.0 plan? Then we ca work item as committed.
2. James Moody, Nov 12, 2011 I've extracted work item 6 Dirk, could you or someone please provide some infor work item on exactly what improvements are desired
3. Julian Jones, Jan 27, 2011 Any plans to support "plar the context of improved S
4. Dirk Baeumer, Jan 27, 2011 No, there are no plans to planning poker for 2.0.
5. Julian Jones, Jan 27, 2011 thanks for the update.

Overview **Planned Items** Charts Themes



Planning : Release Plan (Backlog Grouped by Themes)

Rational Team Concert

Your Trial License expires in 67 days | Erich Gamma | Log Out

Dashboards Project Areas Work Items **Plans** Builds Reports Admin Rational Team Concert

Rational Team Concert 2.0 Release Plan

Team Area: RTC Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 128 Closed | 61 Open

Overview **Planned Items** Charts Themes

View As: **Backlog by Themes**

Progress: 240/764 pts Estimated: 100%

Modularity
Closed Items: 0 | Open Items: 0

- Team First**
Closed Items: 8 | Open Items: 0
- Jazz Product Family**
Closed Items: 9 | Open Items: 2
- Web Access**
Closed Items: 8 | Open Items: 0
- Easy to Use**
Closed Items: 4 | Open Items: 9
- Coexistence**
Closed Items: 7 | Open Items: 5
- Easy to Setup & Maintain**
Closed Items: 2 | Open Items: 2
- Enterprise Scalable & Secure**
Closed Items: 17 | Open Items: 4

Project level read access control	2.0 M3	2/2	High	62549
Server performance and scaling data	2.0 RC4	1/1	High	62550
Support to view viewlets from different projects on a single dashboard page	2.0 M3D1	0/0	High	63634
Recipes for high availability servers	2.0	0/0	High	65926
Support 64-bit server environments	2.0 M3	0/0	High	65926
SCM: Server operation logging	2.0	0/0	High	63106
Improve work item customizability	2.0	0/0	High	62528
Repository consolidation	2.0	0/0	High	66697
More flexible workspace loads	2.0	0/0	High	62534
Support enterprise license	2.0 RC1	0/0	Medium	71894
AIX 5.3 TL 7 for p-Series	2.0 RC2	0/0	Medium	65936
FDCC compliance	2.0 RC2	0/0	Medium	65932
VMware support	2.0	0/0	Medium	65933
FIPS-140-2 certification	2.0 RC1	0/0	Medium	65930
IPv6 enablement	2.0 RC2	0/0	Medium	65929

웹 기반 User Interface



Planning : Release Plan (Backlog Grouped by Teams)

Rational Team Concert | Your Trial License expires in 67 days | Erich Gamma | Log Out

Dashboards | Project Areas | Work Items | **Plans** | Builds | Reports | Admin | Rational Team Concert

Rational Team Concert 2.0 Release Plan

Team Area: RTC Development | Iteration: 2.0 (10/27/08 - 6/26/09) | 128 Closed | 61 Open

Overview | **Planned Items** | Charts | Themes

View As: **Teams**

웹 기반 User Interface

RTC Development
Closed Items: 130 | Open Items: 63
Progress: 240.5/764.5 pts | Estimated: 100%

Project level read access control	2.0 M3	2/2	High	82548
Server performance and scaling data	2.0 RC4	1/1	High	82550
Provide REST API for work items	2.0	0/2	High	82523
RTC client for VS IDE – build, team status view	2.0	0/0	High	82730
Enable other bundlings of RTC components	2.0	1/1	High	82552
Support planning in web UI	2.0	2/2	High	82545

Agile Planning
Closed Items: 37 | Open Items: 2
Progress: 71/72 pts | Estimated: 100%

Build
Closed Items: 11 | Open Items: 0
Progress: 19/19 pts | Estimated: --

User can cancel/abandon builds	2.0 RC1	1 pts	0/0	High	81487
User can delete a build result	2.0 RC1	1 pts	0/0	High	79487
User can view extra info about a build, sufficient to analyze build failures	2.0 RC1	3 pts	0/0	High	77500
User can browse build results by definition	2.0 M2D1	5 pts	0/0	High	68960
User can view the overall build queue for the project area	2.0 M3	3 pts	0/0	Medium	76693
User can list build engines and their status	2.0 M3	1 pts	0/0	Medium	67156
User can navigate to the web UI for a particular build result	2.0 M2D1	1 pts	0/0	Medium	68963
User can report a new work item against a build result	2.0	2 pts	0/0	Unassigned	76694
User can request a rebuild	2.0 M3	1 pts	0/0	Unassigned	67154
User can request a build from a build definition	2.0	1 pts	0/0	Unassigned	67152



Planning : Iteration Plan (Work Breakdown)

Java - Iteration plan 'APT - 2.0 M3D1' - Rational Team Concert

File Edit Navigate Search Project Run Window Help

APT [2.0 M3D1] - Iteration plan 'APT - 2.0 M3D1' >>4

APT Problems detected

Team Area: Agile Planning | Iteration: 2.0 M3D1 (3/2/09 - 3/27/09) | 110 Closed | 45 Open

Progress: 263/363.5 | -46.5 h Estimated: 78%

APT관련 Iteration Plan

Implement aspect editor to promote plan mode definitions	1 hour	Unassigned
NPE clicking on "New" in "View As" of plan	30 mins	Unassigned
Make plan use the icons defined in the plan type definition	2 hours	Unassigned
Test Failure (C20090305-1209): com.ibm.team.apl.common.tests.process.StaticConfigurationDataRegistryTest.testModifyWorkBreakdown	-	Unassigned
Adopt FM3D1	1 hour	Unassigned
Make PreviewPane adaptable to EditorPresentation.class	30 mins	Unassigned
Process editor to explicitly define mappings between work item and apt attributes	4/4 h	Unassigned
Implement aspect editor to define mappings	4 hours	Unassigned
Process editors to add new instances of configurable groups modes, filters, and sortings	10/10 h	Unassigned
Implement aspect editor	2 hours	Unassigned
Support for ubiquitous ConfigurationElements	Unassigned	Unassigned
Allow to define what columns are shown in the plan	9/9 h	Unassigned
Support for editable wiki pages in web	3/3 h	Unassigned
Strange Group modes caching (?) effect between browsers	-	Unassigned

업무 담당자 별 작업 리스트

Michael Schneider No Work Time Left Load: 1 / 0 | -1 h Estimated: 75%

"Description is undefined" opening a new plan from web client	-	High
SortedViewMode expands all entries in Web UI	-	High
Test Failure (I20090309-1900): com.ibm.team.repotools.importmigration.test.ImportTarFileTest_M2.testImport	-	High
Layout for absence broken	-	High
Feeds for Iteration Plan no longer work	30 mins	High
Enable Tempo Integration	-	High

View As: Backlog, Developer's Taskb..., Planned Time, Team Folders, Work Breakdown, more

Exclude: Assigned Items, Defects & Enha..., Empty Groups, Estimated Items, Resolved Items, Unchanged Items

Related Work Items: Show Backlog, Unplanned Closed Items

Next Plans: 2.0 M3, 2.0 RC1, 2.0 RC2

Overview **Planned Items** Charts

... Concert 69524: Read Permission Adoption 627 Hits



Planning : Iteration Plan (Developer's Taskboard)

Java - Iteration plan 'APT - 2.0 M3D1' - Rational Team Concert

File Edit Navigate Search Project Run Window Help

APT [2.0 M3D1] - Iteration plan 'APT - 2.0 M3D1' »4

Team Area: Agile Planning | Iteration: 2.0 M3D1 (3/2/09 - 3/27/09) | 110 Closed | 45 Open

Progress: 263/363.5 | -46.5 h Estimated: 78%

Benno Baumgartner
Closed items: 32 | Open items: 15
Progress: 86.75/167.75 | -39 h Estimated: 97%

Dirk Baeumer
Closed items: 4 | Open items: 19
Progress: 18.5/53 | -24 h Estimated: 89%

Johannes Rieken
Closed items: 41 | Open items: 11
Progress: 80.5/80.5 | +14.25 h Estimated: 73%

	To Do	In Progress	Done
Process editor to explicitly define mappings between work item and apt attributes → Implemented	72874		Implement aspect editor to define mappings → Resolved
Allow to define what columns are shown in the plan → Implemented	72864		Update PlanModeDescription to allow to define columns → Resolved Implement UI for RichUI → Resolved Implement columns UI for Web → Resolved
Implement UI for RichUI → Resolved	72866		PlanModeConfiguration UI should support tabs → Resolved
Process editors to add new instances of configurable groups modes, filters, and sortings → Implemented	72873		Implement aspect editor → Resolved Support for ubiquitous ConfigurationElements

Daily Meeting

View As: Backlog, **Developer's Taskboard**, Planned Time, Team Folders, Work Breakdown, more

Exclude: Assigned Items, Defects & Enhancements, Empty Groups, Estimated Items, Resolved Items, Unchanged Items

Related Work Items: Show Backlog, Unplanned Closed Items

Next Plans: 2.0 M3, 2.0 RC1, 2.0 RC2



업무 : Iteration Plan & Work Item & Communication

The screenshot displays a JIRA interface for a plan item. The main window is titled "Plan Item 62525" with a summary of "Improve Scrum support".

Work Item Type (highlighted in a red box): A dropdown menu is open, showing various item types: Defect, Task, Enhancement, RFS, Plan Item, Track Build Item, Retrospective, and Story. "Plan Item" is selected.

Communication (highlighted in a red box): The "Discussion" section shows a list of comments. Comment 11 by James Moody discusses updates to reports and work item complexity. Comment 12 by Erich Gamma discusses the RC1 status.

Plan Item Details:

- Type: Plan Item
- Progress: 3/3 h, Estimated: 100%
- Team Area: RTC Development / Ra...rt
- Filed Against: PMC
- Tags: (empty)
- Dev Status: On Track
- Theme: Team First
- Priority: High
- DCP Boca: Base Content
- Crossteam:
- Complexity: Significant
- Owned By: Erich Gamma
- Planned For: 2.0 RC1
- Resolution Date: May 16, 2009 11:55 AM
- Resolved By: Erich Gamma

Quick Information:

- Subscribers (19): AM, BB, BG, BC, CP, DB, EG ...
- Children (11): 63593, 64125, 64126, 64243 ...
- Blocks (1): 66117
- Related (1): 55875
- Mentions (3)

Navigation: Overview | Links | Approvals | Done Criteria | History



업무 : Work Item & Approvals

Java - Rational Team Concert - Rational Team Concert

File Edit Navigate Search Project Run Window Help

67653: RTC 2.0 Plan Status Updating - Rational Team Concert

Task 67653

Summary: RTC 2.0 Plan Status Updating Reopened Save

Approvals

Approver

- M1 Status update
- M2D1 Status Update
- M2 Status Update
- M3D1
 - André Weinand
 - Carol Yutkowitz
 - Chris Daly
 - Dejan Glozic
 - Dirk Baeumer
 - Jean-Michel Lemieux
 - John Vasta
 - Nick Edgar
 - Rafik Jaouani

State	Due
✓ Approved	Jan 22, 2009
✓ Approved	Feb 3, 2009
✓ Approved	Mar 12, 2009
⊖ Pending	Apr 2, 2009
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	
⊖ Pending	

New Approval...
 Edit Approval...
 Add Approver...
 Edit State
 Remove
 Add Comment

Overview Links Approvals History

269M of #1141 <No Current Work> 14026 Hits

다양한 Approval 조건

업무 : Daily Planning



신규 업무

▼ Event Log Events (36 unread)

- [3] Specify new assertThat syntax (56)
- [3] Implement new assertThat (58) 4 h
- Provide improved Assertion syntax (60) 4 hour
- [2] Based on the assertThat syntax we:

Team Load JUnit Team

팀의 현황

Load: 2 / 58 | +56 h Estimated: 100%

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

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

▼ Inbox (JUnit Project) (6 new items)

- Based on the assertThat syntax we should provide assumptions and theories support
- JUnit developers need more javadoc

▼ Current Work (JUnit Project) (7 unread items)

Tomorrow (2 items)

- assertArrayEquals misses differences
- assertThat fails with Class tests (documentation problem)

Next Week (0 items)

- Vacation

Imprecisely Planned Work (1 items)

- testCount hard-coded to 1 for childless Description

▼ Future Work (JUnit Project) (2 unread items)

- Who's responsible to deploy in maven central repository?
- BaseTestRunner.getTest() requires class to extend TestCase

▼ Preview

State Summary

New assertArrayEquals misses differences

Creation

Type: Defect
Severity: Major
Created: May 10, 2008

Assignment

Filed Against: JUnit
Priority: High
Planned For: 4.4 m2

최근 업무

예상 업무

업무 진척 사항

Markus Kent Closed Items: 4 | Open Items: 7 Progress: 0.28/35.25 h Estimated: 71%

To Do	In Progress	Done
Improve documentation for 4.4 (55)	javadoc updates for @ignore in 4.3 (30)	[Docs] Cookbook TestRunner section incorrect (23)
Provide improved Assertion syntax (60)	Based on the assertThat syntax we should provide assumptions and theories support (59)	
	assertArrayEquals misses differences (7)	shows green bar while assert false (44)
	testCount hard-coded to 1 for childless Description (27)	Should not call derived's afters if super's before failed (17)
	Tests on protected methods fail (14)	@After method not called after my test timeout in 4.3.1 (16)
	assertThat fails with Class tests (documentation problem) (10)	

Drag & Drop



업무 : Risk 관리

Iteration 기간 내, 개인 업무 가능한 시간을 초과 한 경우

Work Items RC1

Team Area: Work Items | Iteration: 2.0 RC1 (4/27/09 - 5/22/09) | 0 Closed | 112 Open

Progress: 0/300.5h Estimated: 34%

Patrick Strouali
Closed Items: 0 | Open Items: 20
Future (28 open)

Description	Priority	Start	End	Est. Hours	Actual Hours
Adopt ResourceLink for enhanced hover in Work Item web UI	High	2 hours	1.0	71777	
Precede 'Move to Project Area' functionality on the service layer	High	3 days	1.0	77086	
Adopt OSUC CM usage of namespaces, no prefixes and media types	High	2 hours	1.0	77921	
Test Failure (C20090401-0948): com.ibm.team.workitem.client.tests.URServiceTest.testComment() fails	High	2 days	1.0	78099	
Cannot query for two custom attributes at the same time	High	2 hours	1.0	94771	
Include the 'id' property of each attribute in the ResultRowDTO along with labels and icons	High	2 hours	1.0	76854	
WorkflowInfo on ResolvedWorkItem is not updated on project area move	Medium	2 hours	1.0	77291	
Align RDA collection with OGLCs Atom feeds and RDF Bags	Medium	2 days	1.0	69970	
Consider to surface links as attributes in the REST API	High	4 hours	1.0	70731	
WorkItem REST API shall also expose the 'included in build' link	High	1 day	0.995	73224	
Preserve mentioned by who when their target is protected	Medium	2 hours	0.994	69897	
OSUC REST cleanup	High	1 hour	0.749	77322	
Check enforcement of permissions for web UI bulk operation	Medium	4 hours	0.629	77096	
Consider to prevent QueryDescriptor migration problem	Medium	1 hour	0.605	68972	
RDA: Access representations for PUT/POST	Medium	4 hours	0.496	61246	
RDA: Expose all WorkItem references	Low	2 days	0.169	61247	
Review permission list behavior of resolved work item in the dynamic scenario	Unassigned	4 hours	0.109	76150	
Incorrect Duplicate Of cycle message returned to the Web UI	Medium	2 hours	0.083	74890	
Simplify query for work items if fulltext search was scoped by project area	Unassigned	4 hours	0.057	74767	

Inbox (Rational Team Concert)

No newly assigned work

Current Work (Rational Team Concert)

Load: 70 / 65 Issues in plan view

Estimated: 93%

Later This Week (6 items)

Description	Priority	Est. Hours	Actual Hours
Pressing Ctrl+Enter does not add work item in Planned Items page	High	1h	77850
Dropping work item in my work view into tomorrow group does not adopt work item	High	2h	66883
MW does move work items dropped from future work to the end of the current work list	High	1h	80063
SortedViewMode expands all entries in Web UI	High	30m	74788
Inbox section of My Work shows work items that I assigned to myself	High	2h	78237
Vacation entries shown differently in Web UI and Rich UI	High	1h	78409

Next Week (25 items)

Description	Priority	Est. Hours	Actual Hours
"Current Work" section shows past absences	High	1h	69983
Moving folders can duplicate them in the Web	High	1h	79505
Add valuesets to all plan item attribute, where applicable	High	2h	72906
Problem Severity is missing for WebUI problems	High	1h	76218
Work Assignments total should not count archived development lines	High	30m	76613
Folder counts are not updated correctly	High	10m	66056
Filter parent work items when "hide resolved" filter is enabled	High	1h	60535
Add time-remaining validation checks	High	2h	79095
Colorize autocomplete does not work	High	4h	78913
Eclipse Plan Editor colorize Expression field pop-up covers attribute scroll bar	High	4h	75973
Filter/Colorize: no content assist for tags	High	1h	75856
Colorize expression for overdue or due soon	High	1h	58471
Make PlanChecker results queryable through QuickQuery	High	2h	72889
Auxiliary data is not duplicated when duplicating a plan mode	High	1h	66242
Iteration Plan Editor Error connecting to Repository	High	1h	52328
Grouping should be disabled when in 'Rank' style	High	1h	75907
Interest area creating work item in context of folder	High	1h	73115
AFE after switching the Project Area in MW	High	1h	70303
AFE when D&Ding work items onto a plan folder	High	2h	70414
this.start.getDate() is undefined	High	1h	72079
Bidi_1.0:Exception In Planned Items tab in the iteration plan	High	1h	75827
NPE while loading plan	High	2h	70602
ConcurrentModificationException in com.ibm.team.appt.internal.common.util.ItemAwareMap\$ValueCollection.iterator.next	High	2h	63742
Exception adding task to plan	High	2h	60339
My Work view says I should log in again, but I'm already logged in	High	1h	63145



업무 : 개발 (코딩 / 소스관리 / 빌드(Continuous Integration))



Work Items - C20080121-1004 - Team Concert

Build continuous.workitem.jazz C20080121-1004

Completed

Duration: 1 hour, 26 minutes, 51 seconds
 Start Time: Mon, 21 Jan 2008 15:54:33
 Completed: Mon, 21 Jan 2008 17:21:25

Status Trend:

Reported Work Items

- 2 reported against this build
- 2 currently open against continuous.workitem.jazz
- Create a new work item
- Associate an existing work item

Contribution Summary

Downloads: 9 downloads
 External Links: 1 link

General Information

Requested by: ADMIN
 Build Definition: continuous.workitem.jazz
 Build Engine: ant/buildtry6

Work Items - Jazz Project - Team Concert

Story 45274

Summary: [Messages] Review/improve messages

Progress: 11% (2 Closed, 15 Open Items)

Created: Feb 22, 2008 3:47 AM
 Created By: Erich Gamma
 Team Area: Jazz Development / Jazz Project
 Filed Against: PMC
 Tags:

Owned By: Kevin Hasland

Priority:

Plan:

Overview

Discussion (1 comments, 1 new)

1. Julian Jones, Mar 6, 2008, 12:06 PM
 We should consider this story in both the client context and the web client context and the web client context unfortunately doesn't get Team Advisor, and so the need to text right, both in terms of stating what and in terms of suggesting a correct forward) is key.

Kevin (K.G.) Hasland
 Eclipse Project Lead
 1-416-366-5029 | Ottawa, Ontario, CA
 I am available @ 2670 Queenview Drive (Sanetne 7.5.1)

kartik@ca... story 45274
 Kevin_Ha... looking at it now ...
 *Yes we are on track, the next build will have of these issues addressed
 kartik@ca... thanks
 Kevin_Ha... np

Remove Flag

When	Who	...
01/30	Donna M Fortune	
01/30	Cam-Thu Le	

Pending Changes

2 outgoing change-sets

- JUnit <-> JUnit
 - JUnit
 - Outgoing
 - 25689: Improve coverage of the
 - Suspended
 - Erich Gamma Cleanup
- SilverCity <-> SilverCity
 - SilverCity
 - Outgoing
 - 25704: Implement Loadtest on L
- WorkItem Workspace <-> WorkItem
 - AgilePlanning
 - Filesystem
 - Foundation



관리 & 분석 : 실시간 프로젝트 현황 (Dashboard)

Dashboard: RTC Development > ...

Rational Team Concert

Your Trial License expires in 30 days | Erich Gamma | Log Out

Home Project Areas **Dashboards** Work Items Plans Reports Admin

All Dashboards > Rational Team Concert >

RTC Development

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

Plan Related Links

- Detailed Release Plan
- Plan Item Status Description
- Published Release Plan
- Status Tracking Item

Plan Items at Risk (2)

- 62533: SCM logical resource support
- 65932: FDCC compliance

Plan Items Blocked (0)

No work items found.

Plan Items Behind (5)

- 62517: ClearQuest Connector set-up improvements
- 62540: Provide web UI for builds
- 62537: ClearCase importer
- 65925: Support 64-bit server environments
- 62541: Work items improve parity between eclipse and web UI

Plan Items on Track (29)

- 69063: Move the bundled Eclipse from 3.3 to 3.4
- 73767: ClearQuest Bridge
- 65933: VMware support
- 65936: AIX 5.3 TL 7 for p-Series
- 66057: Obtain quality certification
- 62543: Web UI for process permission editing
- 65934: Accessibility
- 62531: SCM file locking
- 62546: Complex text enablement
- 71891: Support enterprise license
- 65922: Reporting across relationships
- 62538: Provide ClearQuest Importer
- 62730: RTC client for VS IDE -- build, team status view
- 62523: Provide REST API for work items
- 62550: Server performance and scaling data
- 62525: Improve Scrum support
- 62556: Support multi-repository dashboards
- 62539: Improve work item customizability

Open 2.0 Plan Items (40) Dev Status

Status	Count
On Track	32
Behind	5
Not Started	2
At Risk	1

Plan Items not Started (2)

- 65926: Recipes for high availability servers
- 63105: SCM: Server operation logging

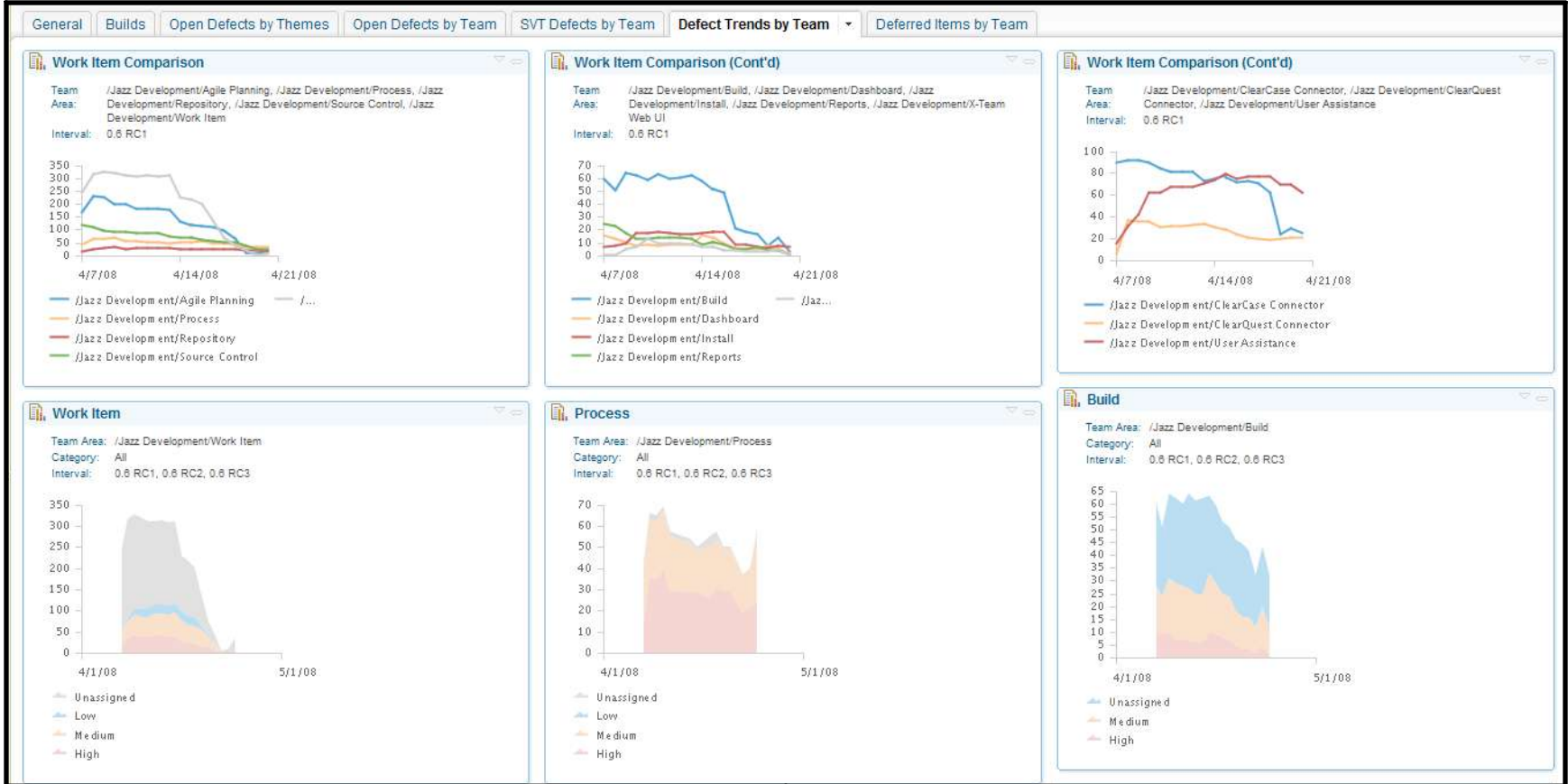
Deferred items are Plan Items from the backlog that are not in scope for RTC 2.0.

Plan Items Deferred (19)

- 62516: Project restructuring on the same and across servers
- 71890: Pre-sales sizing assessment tool
- 65928: Improve remote/WAN performance
- 62551: Support UI scalability in the face of many projects
- 62539: Support ClearQuest Multisite configurations
- 62527: Improve approval for change sets
- 65935: Solaris 10 on SPARC
- 62830: Support instant messaging (IM) in the Web UI
- 65597: Responsibility consolidation

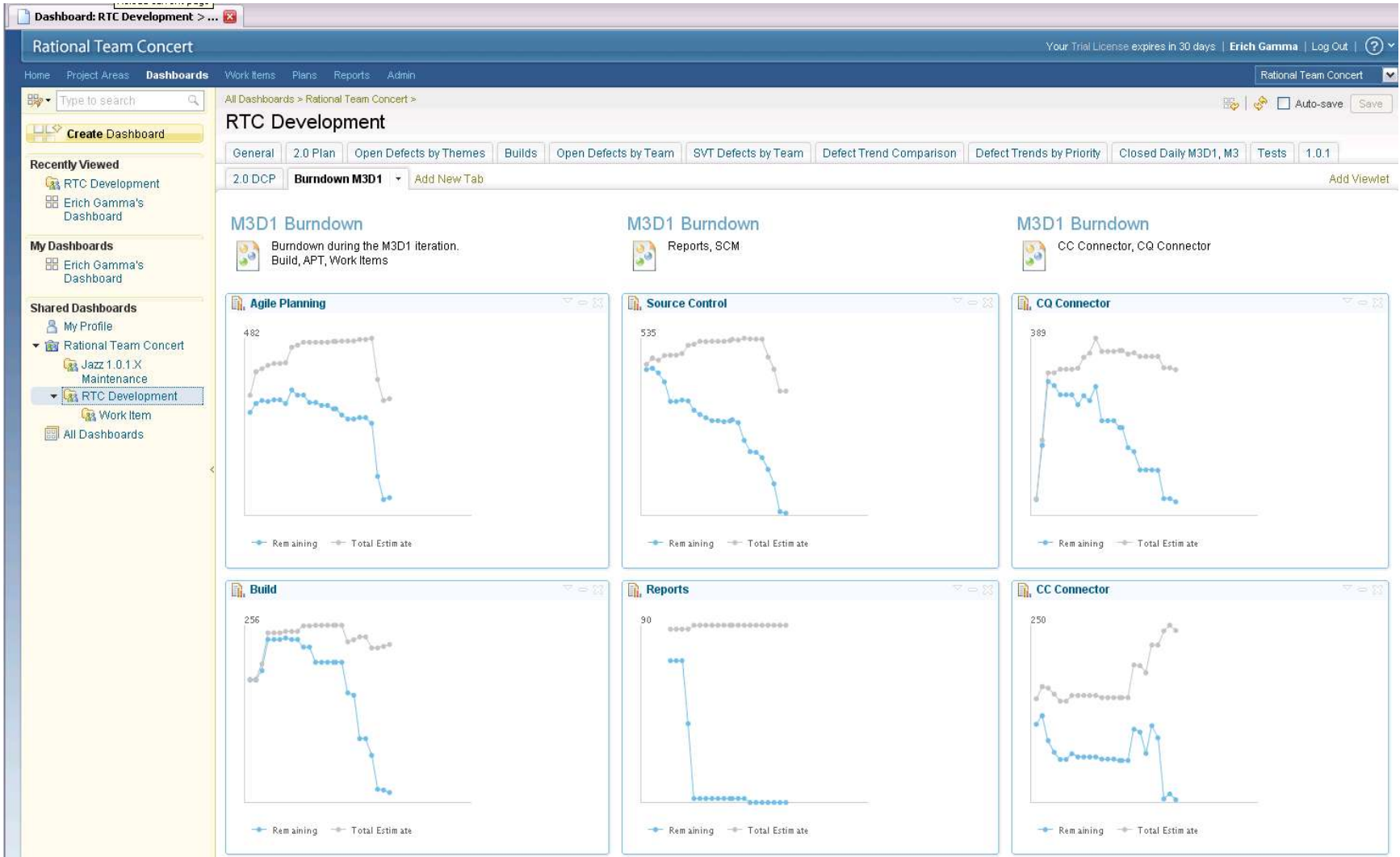


관리 & 분석 : 실시간 프로젝트 현황 (Trend 분석)





관리 & 분석 : 실시간 프로젝트 현황 (Burndown Chart)





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Jazz Team Blog



Rational Team Concert 2.0 released!

By Jean-Michel Lemieux Wed, 24 Jun 2009

We are proud to announce the general availability of Rational Team Concert 2.0. Go download...

More >



Loading... Patterns updated in Web UI Pattern & Style Guide

By Kim Peter Tue, 23 Jun 2009

As we near the end of the release cycle for Jazz Foundation 1.0 and Rational Team Concert...

More >

Rational Team Concert 2.0 now available!

Thu, 25 Jun 2009



Version 2.0 features a new Enterprise Edition server with scalability, high availability, and enhanced security.

There's also enhanced agile planning with full Web support, backlog planning, taskboards, risk assessment, new SCRUM reports, and improved integration with other Rational products.

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Announcements

Rational Team Concert for System z 2.0 Beta 2 available!

Tue, 16 Jun 2009

If you're a mainframe user who is itching to try our newest z iteration, you've found it! This beta includes new scalability and security features as well as

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Featured Downloads

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Rational Requirements Composer 1.0.0.1
Rational Quality Manager and Rational Test Lab Manager 1.0.1.1

All Downloads >

In The News

- DOORS and RequisitePro Evolution to Jazz
IBM Monday, 22 Jun 2009
IBM's New initiative to Help

한국 Jazz 사용자 모임 : <http://jazzlab.net>



THANK
YOU