Jazzing up software delivery

Erich Gamma

IBM Rational Software Development Conference 2008

WHERE TEAMS ARE R-HEROES

IBM

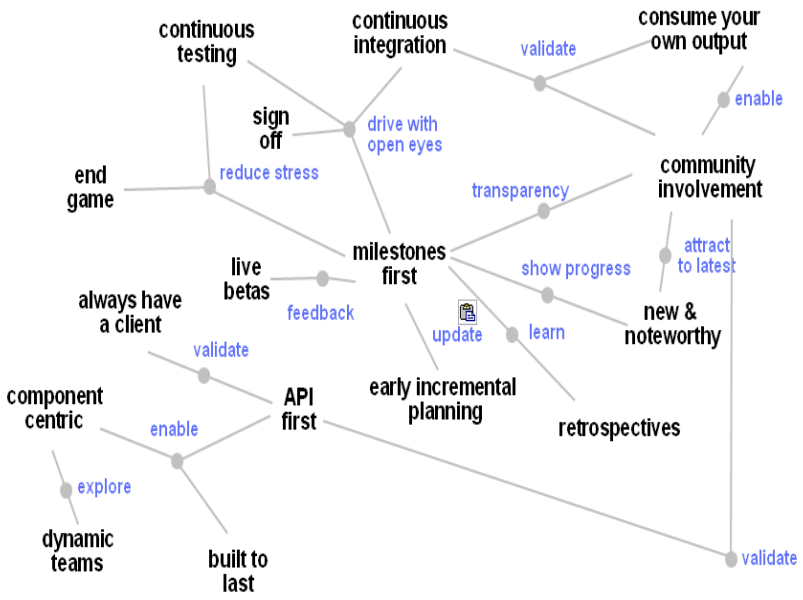
Rational. software

Collaborative Software Development

Rational Team Concert

Our Journey

Eclipse Way

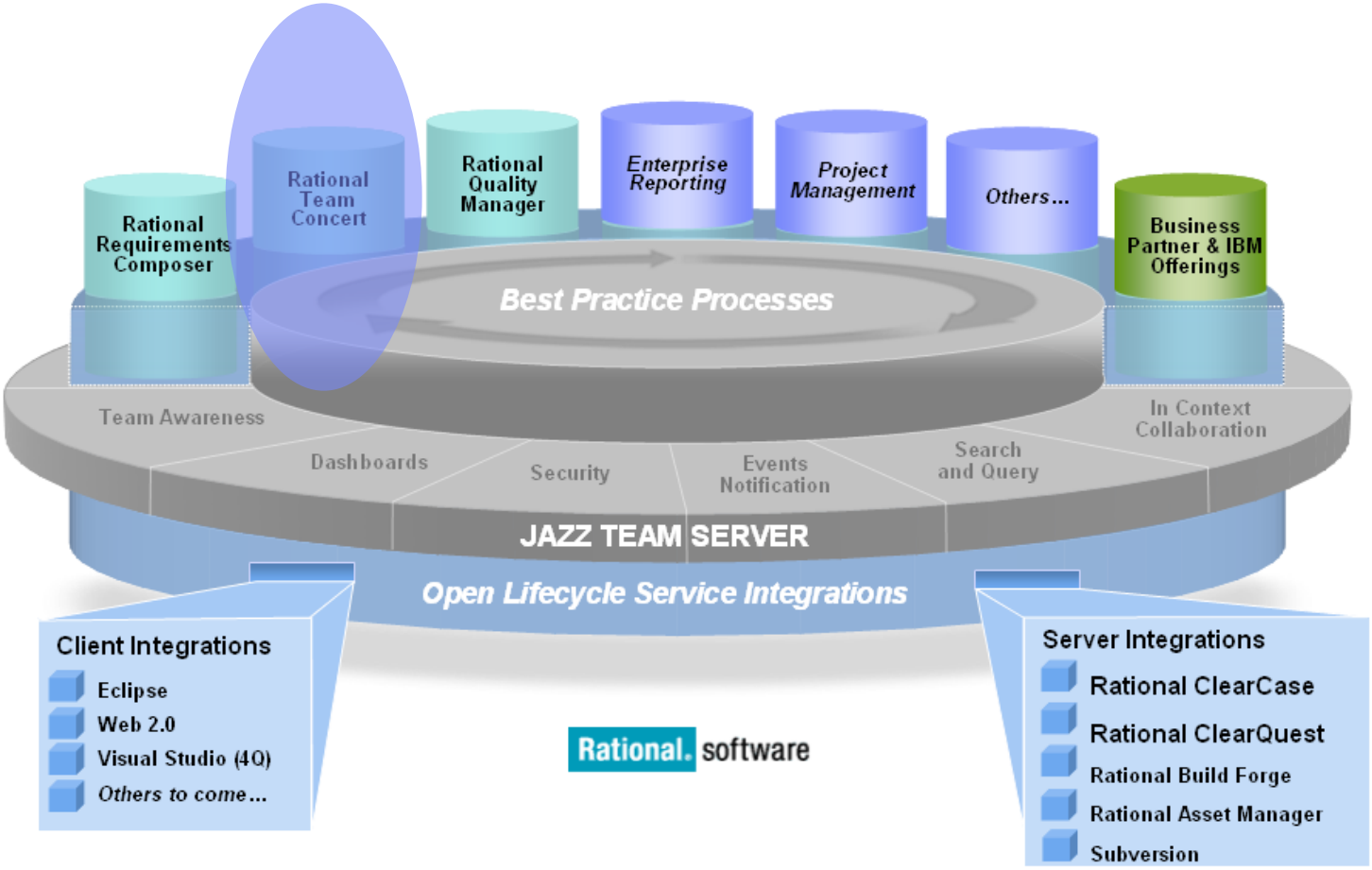


IDE -> XDE -> CDE

Jazz
Innovation through Collaboration

Rational Team Concert

Jazz and Team Concert



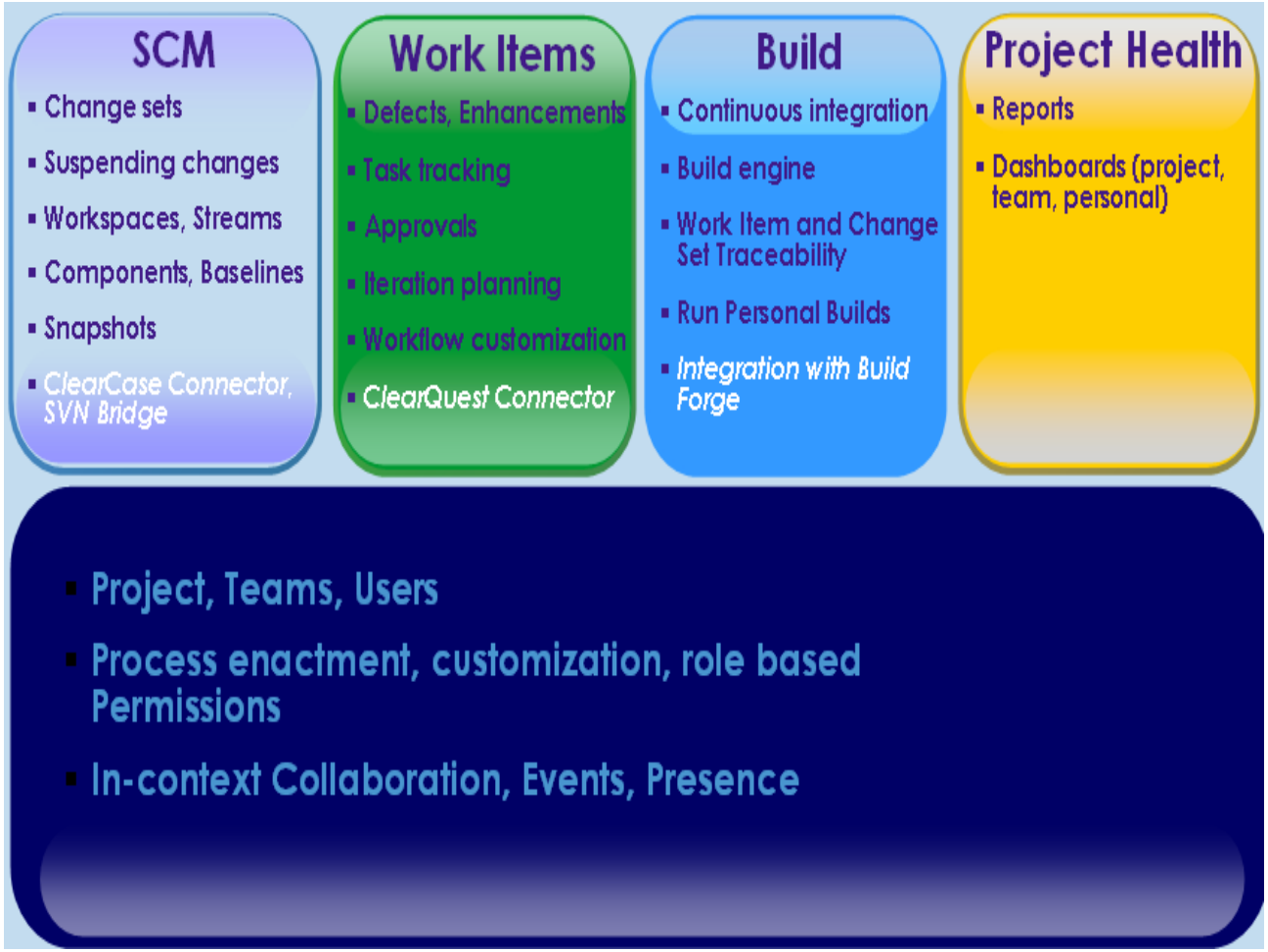
Overview

Collaboration in Context

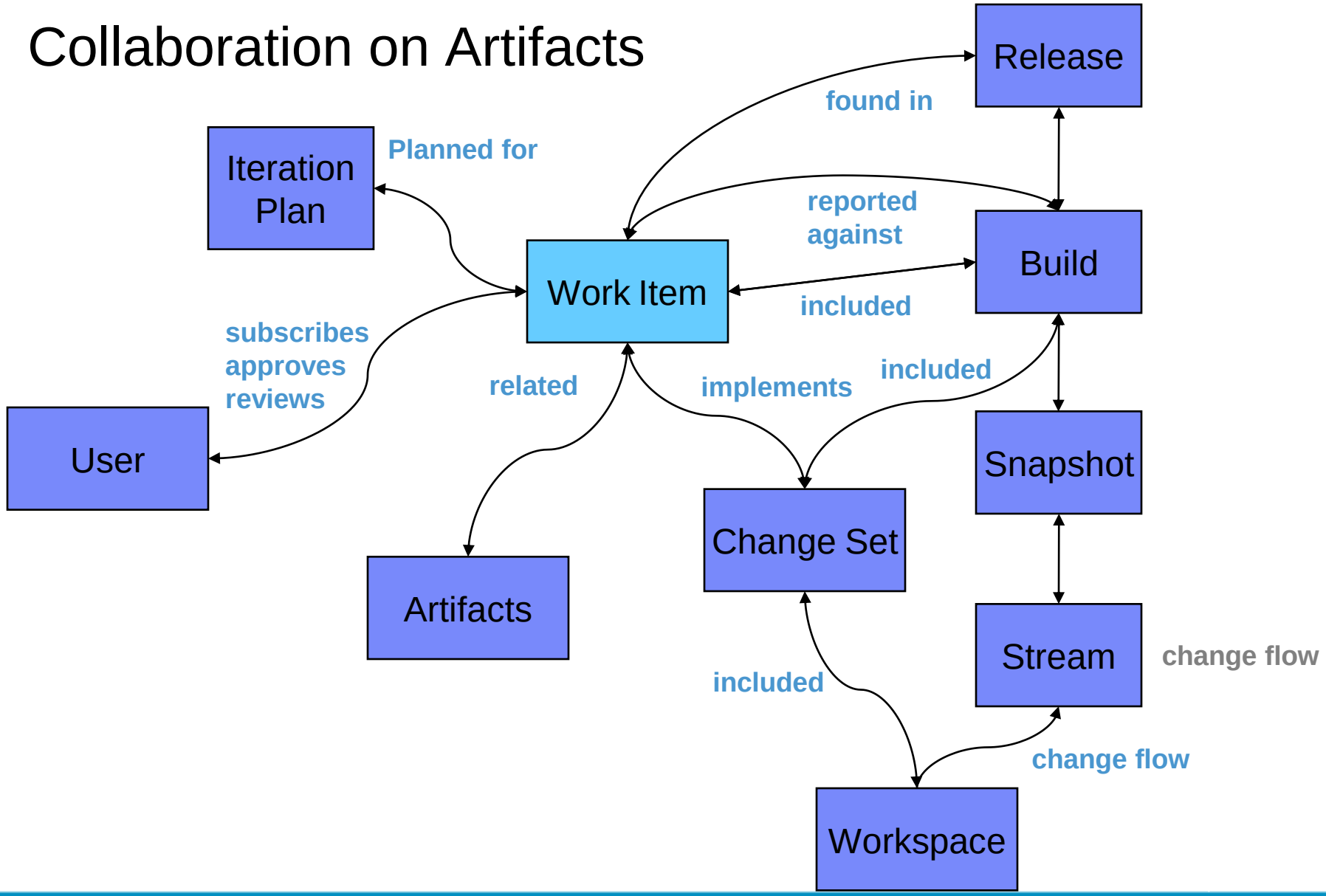
Team First

Process

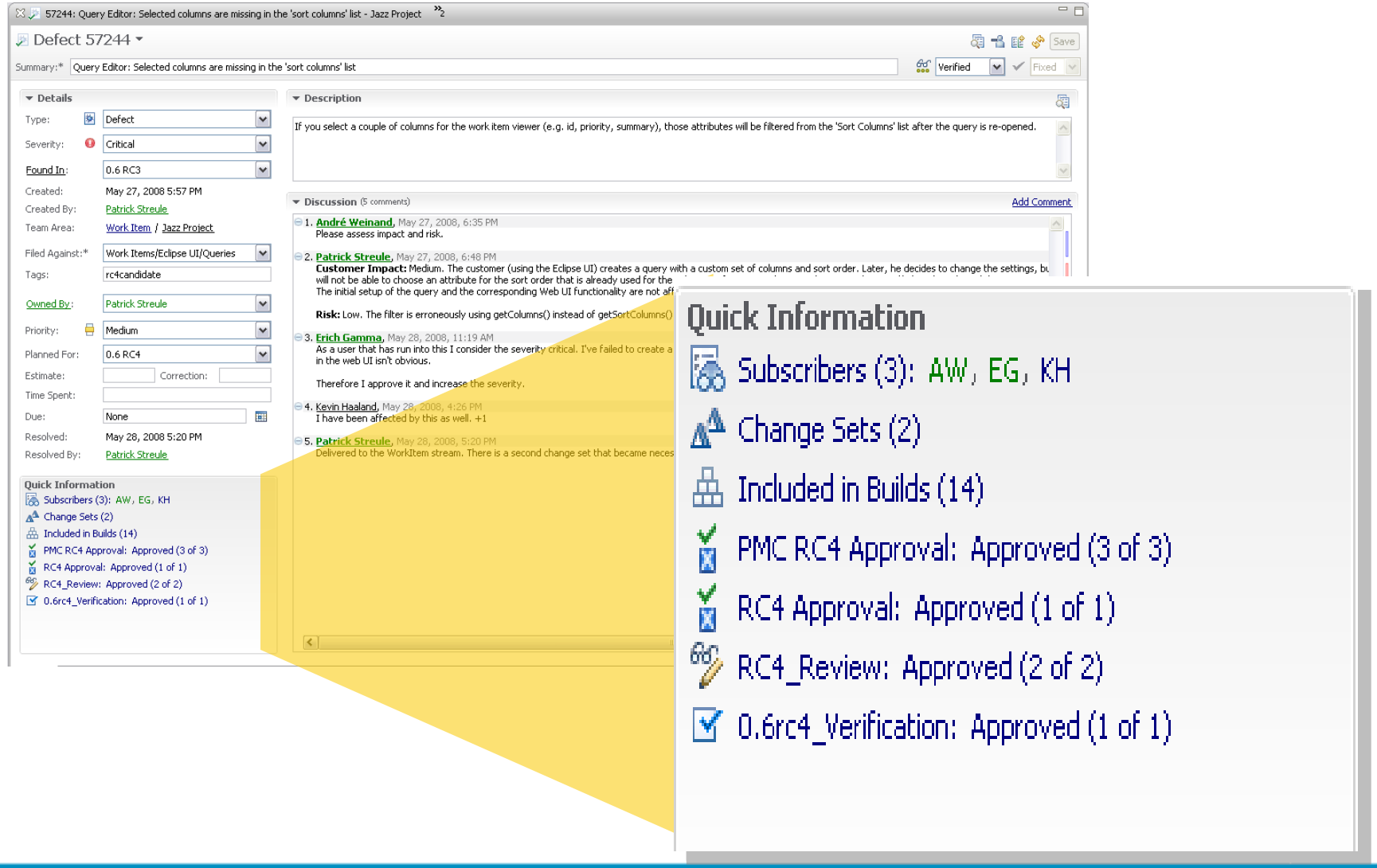
Transparency



Collaboration on Artifacts

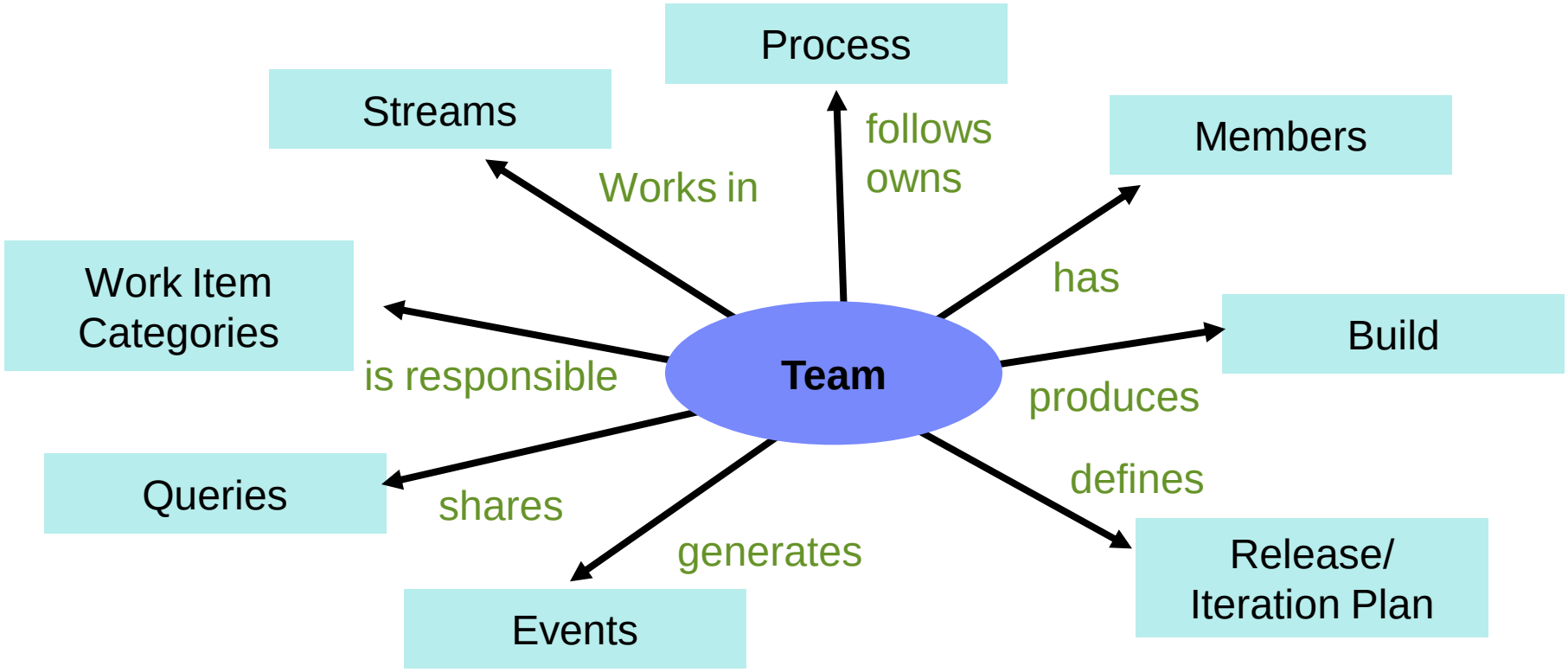


Collaboration in Context



Team First

What does a team need to be productive?



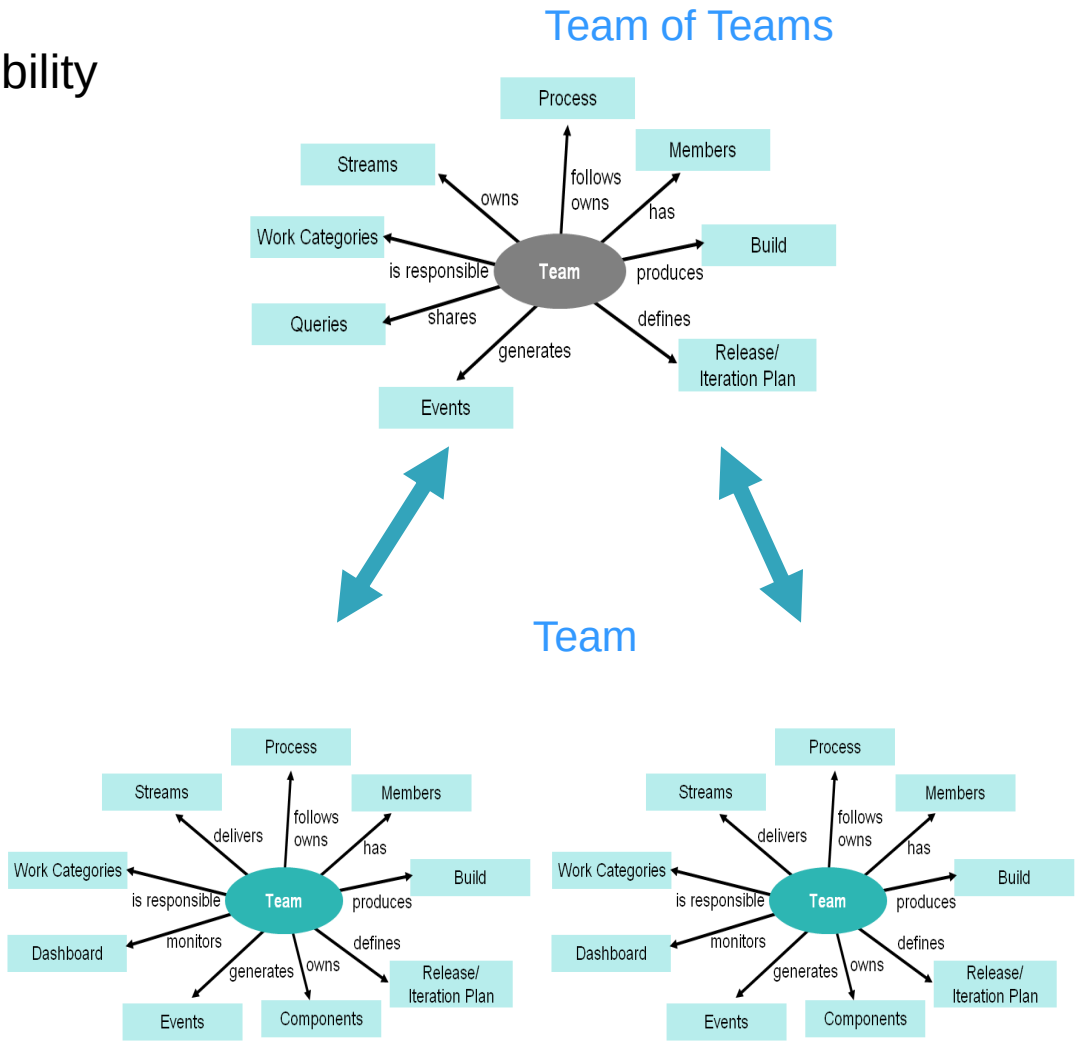
Team First: Scoped Collaboration

Multiple level of information visibility

Isolation levels:

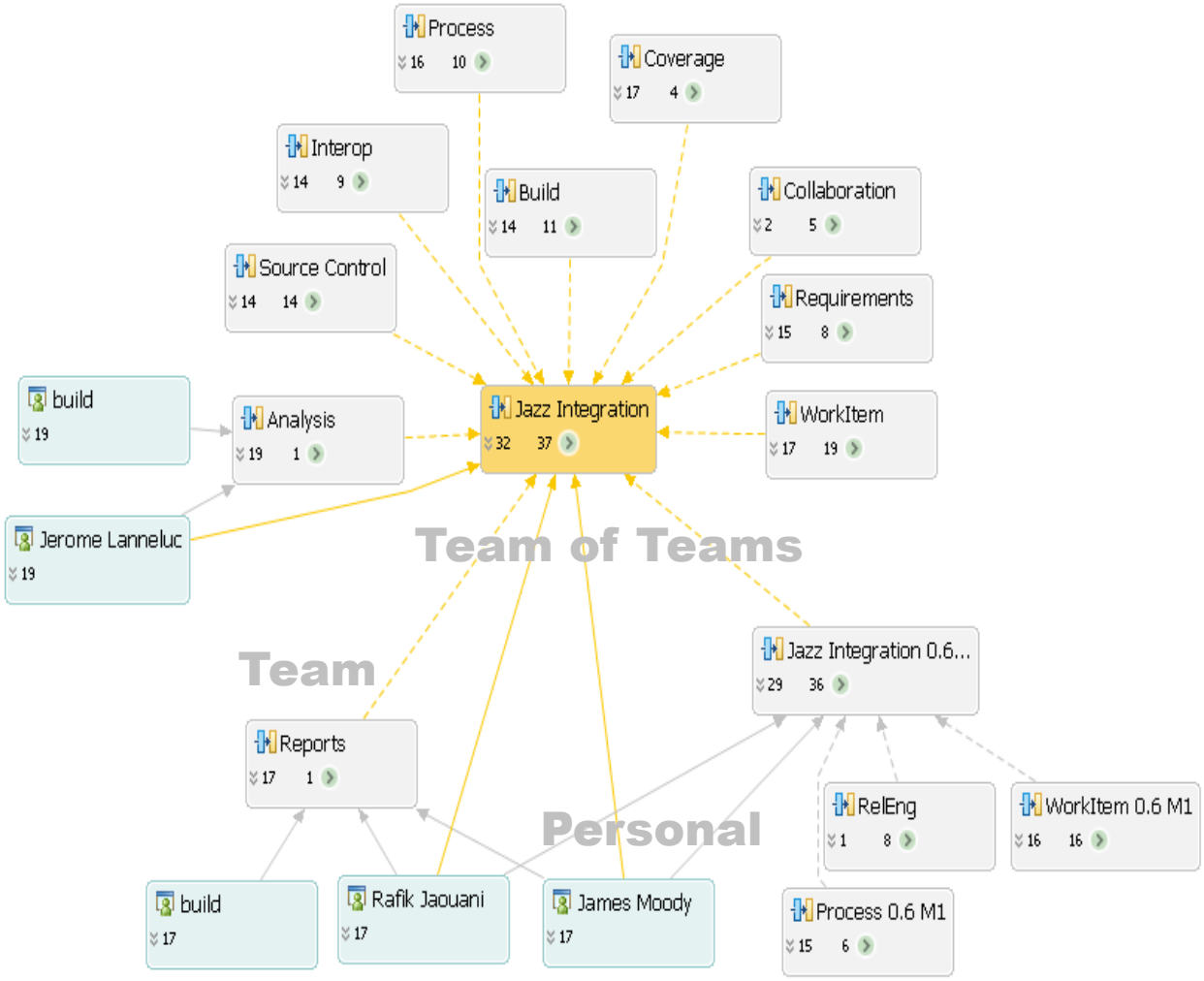
- individual user
- team
- teams of teams

Distributed teams



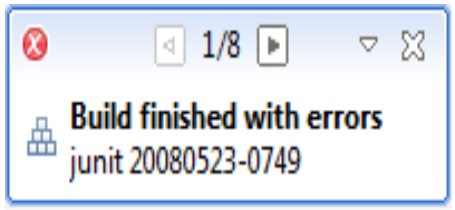
Collaboration: Scoped Changes

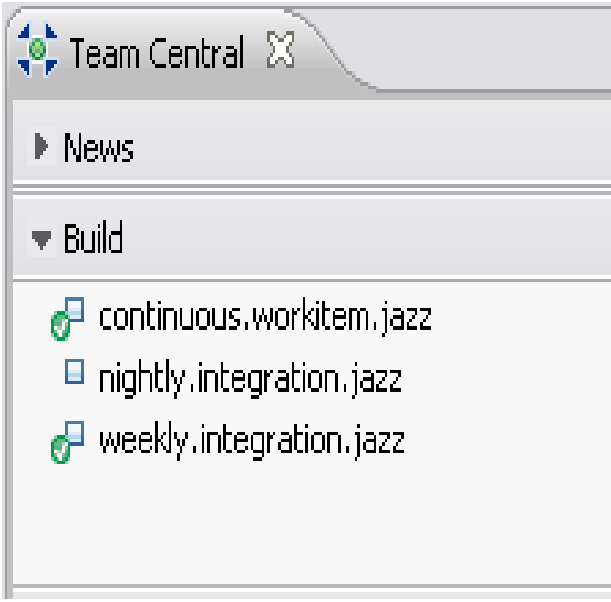
Isolate work not people



Collaboration: Builds

- Scoped builds
  - Personal builds
  - Continuous team builds
  - Scheduled integration builds
- Collaborate in context on build failures





Rules/Process

All collaborations have underlying **context specific rules**

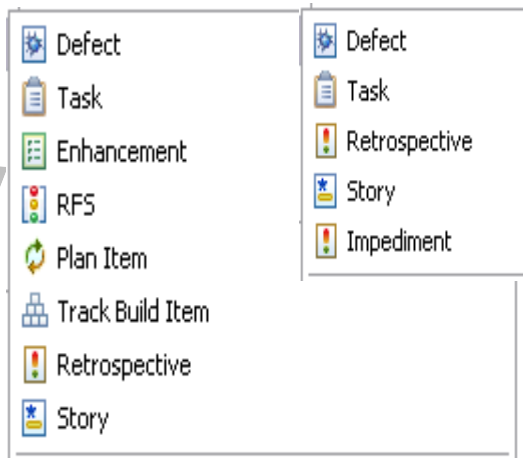
Each project follows a process

Team's own their process

Process

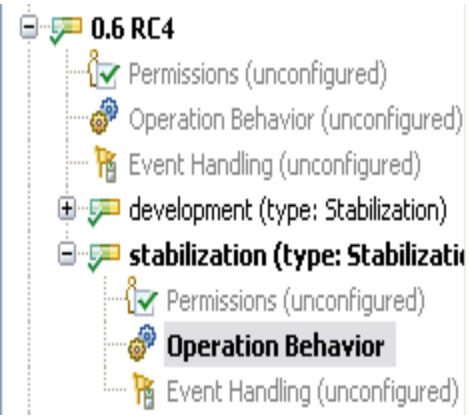
Process manifested through:

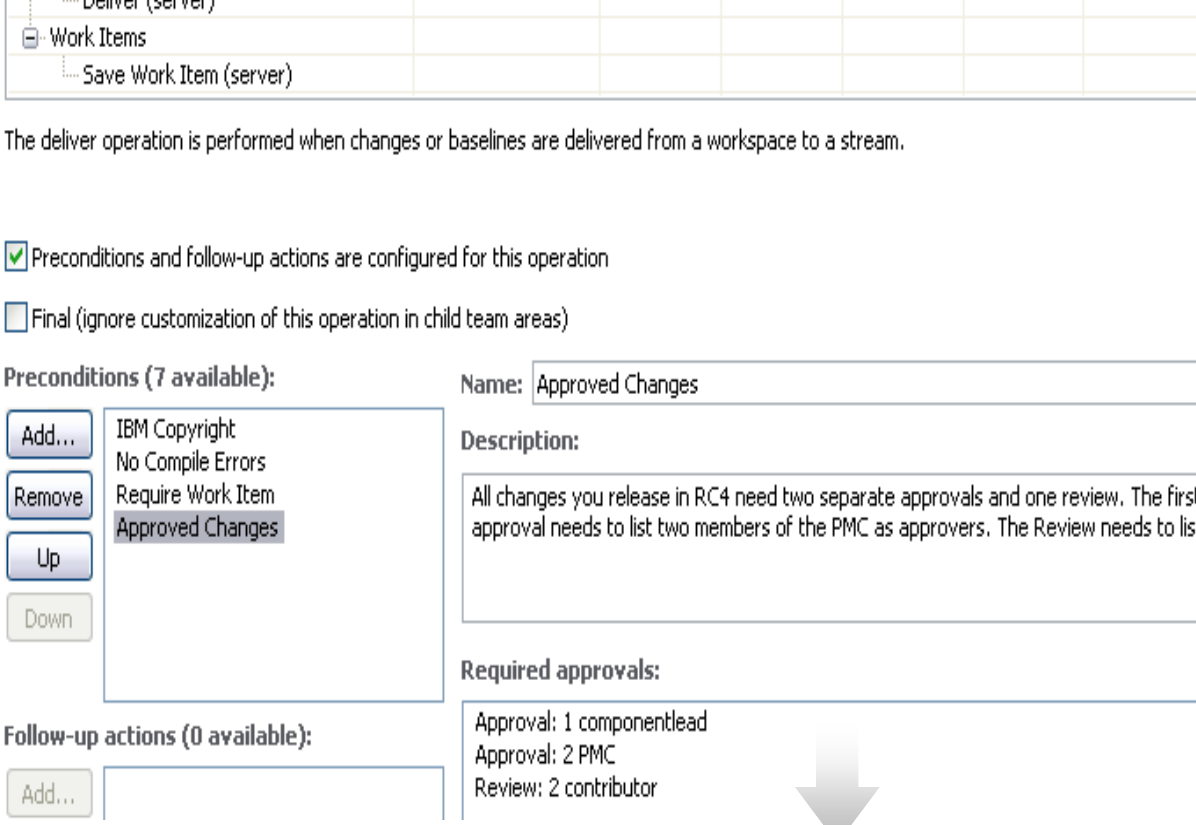
- artifact types and their states
- role-specific preconditions and actions on operations manipulating artifacts
- role-specific and permissions



Actions	Everyone (default)	Product Owner	ScrumMaster	Team Member
Dashboards	☑	☐	☐	☐
Save Personal Dashboard (server)	☑	☐	☐	☐
Save Project Dashboard (server)	☑	☐	☐	☐
Item Connectors	☑	☐	☐	☐
Delete Synchronization Rule Info (server)	☑	☐	☐	☐
Save Synchronization Rule Info (server)	☑	☐	☐	☐
Process	☐	☑	☑	☐
Save Project Area (server)	☐	☑	☑	☐
Work Items	☑	☐	☐	☐
Save Attachment (server)	☑	☐	☐	☐
Save Category (server)	☑	☐	☐	☐
Save Release (server)	☑	☐	☐	☐

Endgame: Rule Example



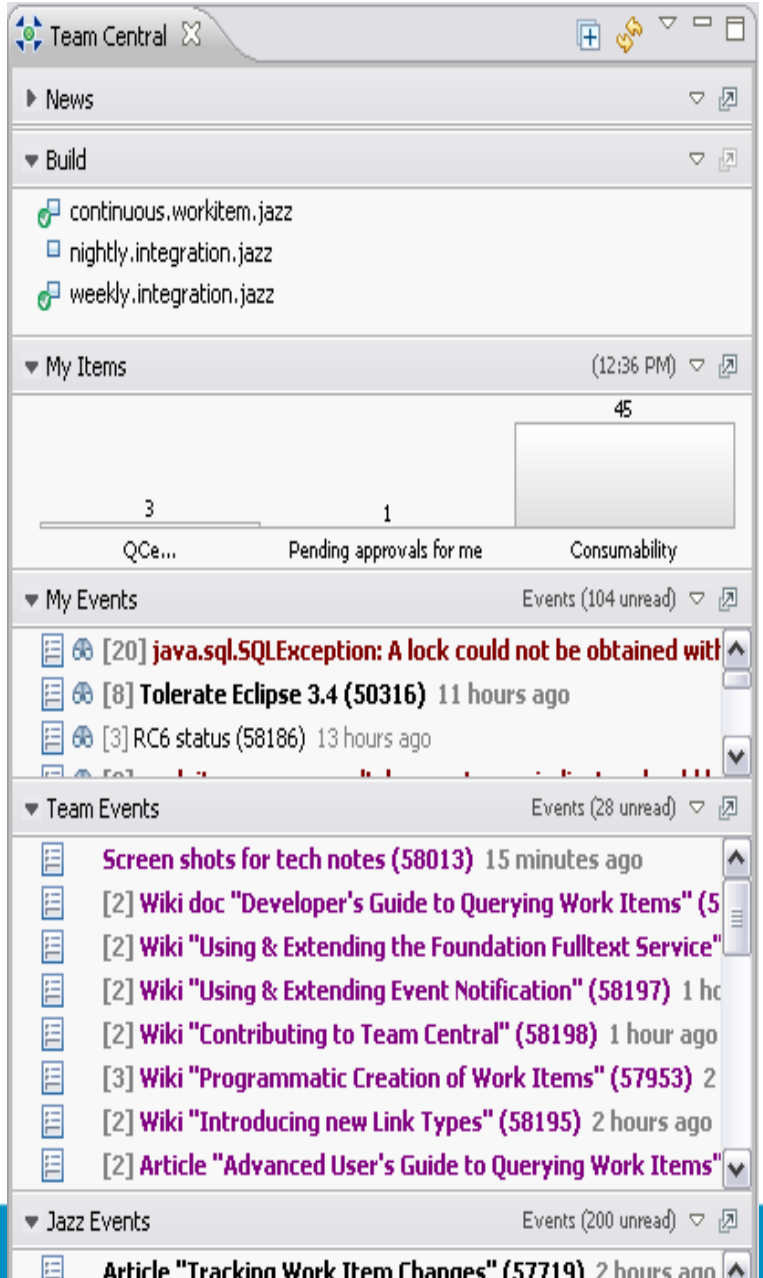


Transparency: Scoped Events

RSS feeds enable everybody to be informed of changes

Feeds for the:

- individual user
- team
- team of teams

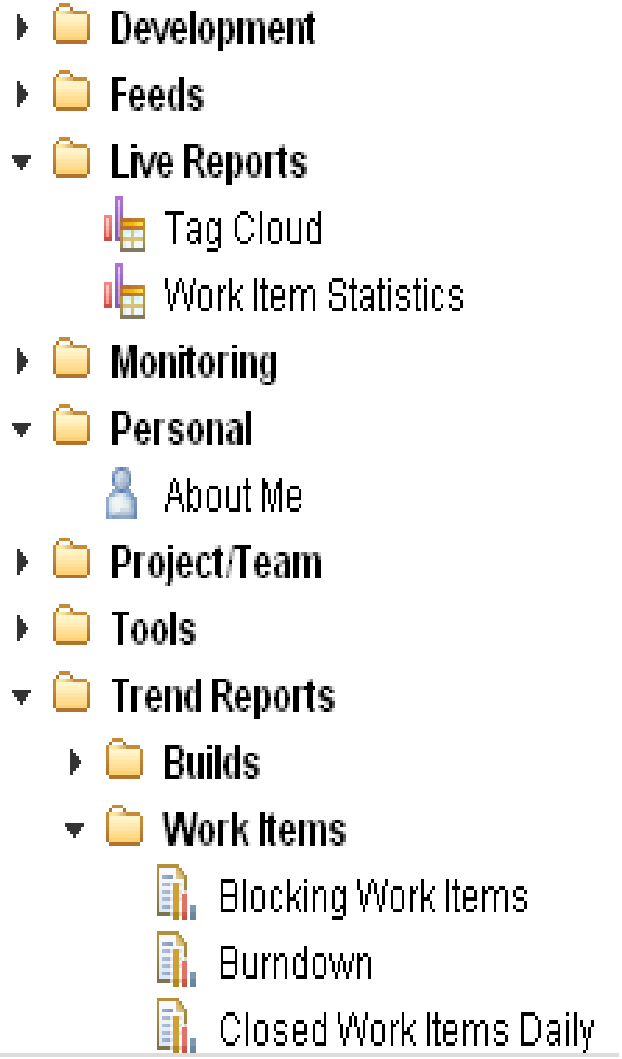


Transparency/Visibility: Dashboards

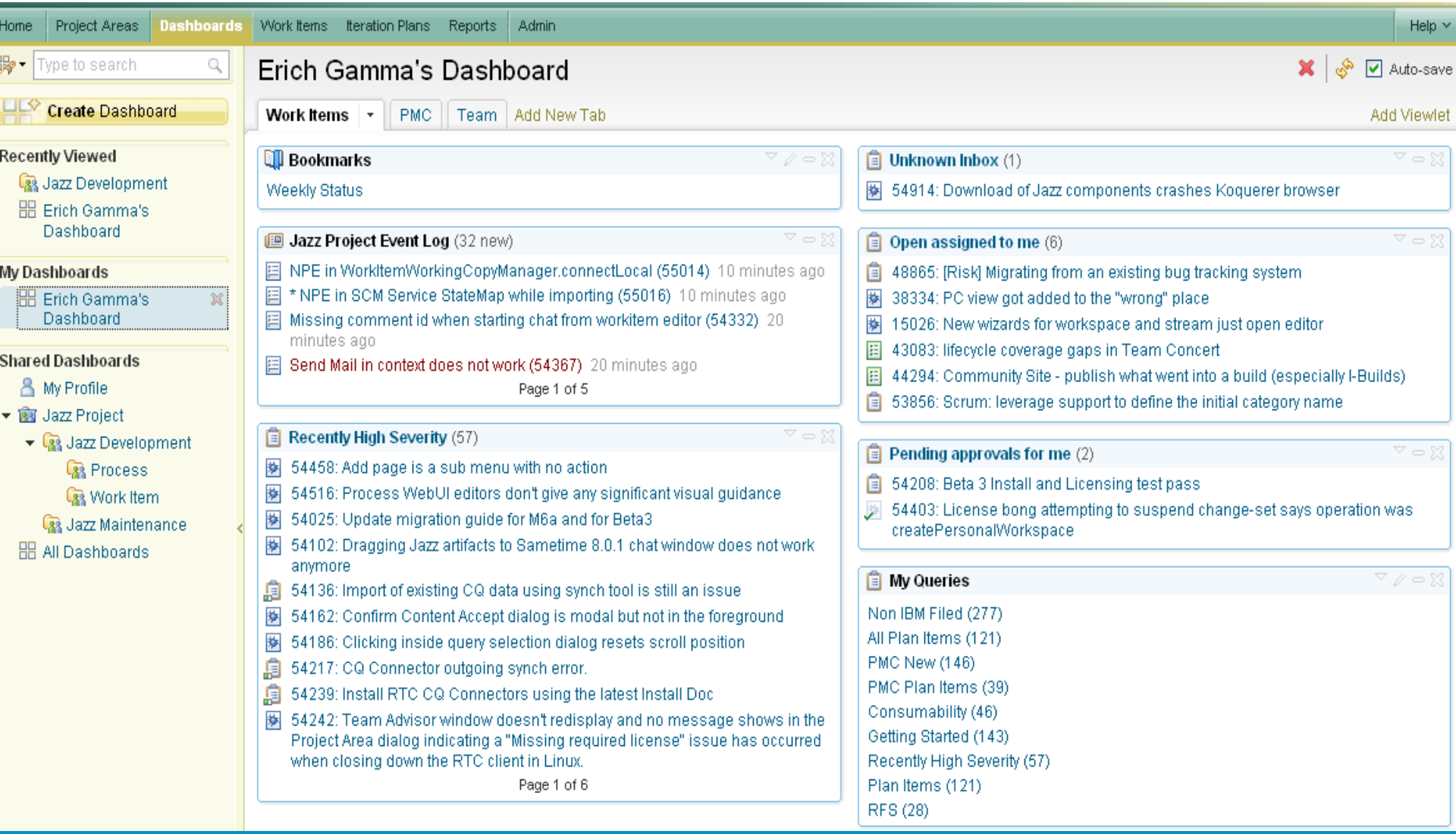
At a glance view on team artifacts

Three dashboard types:

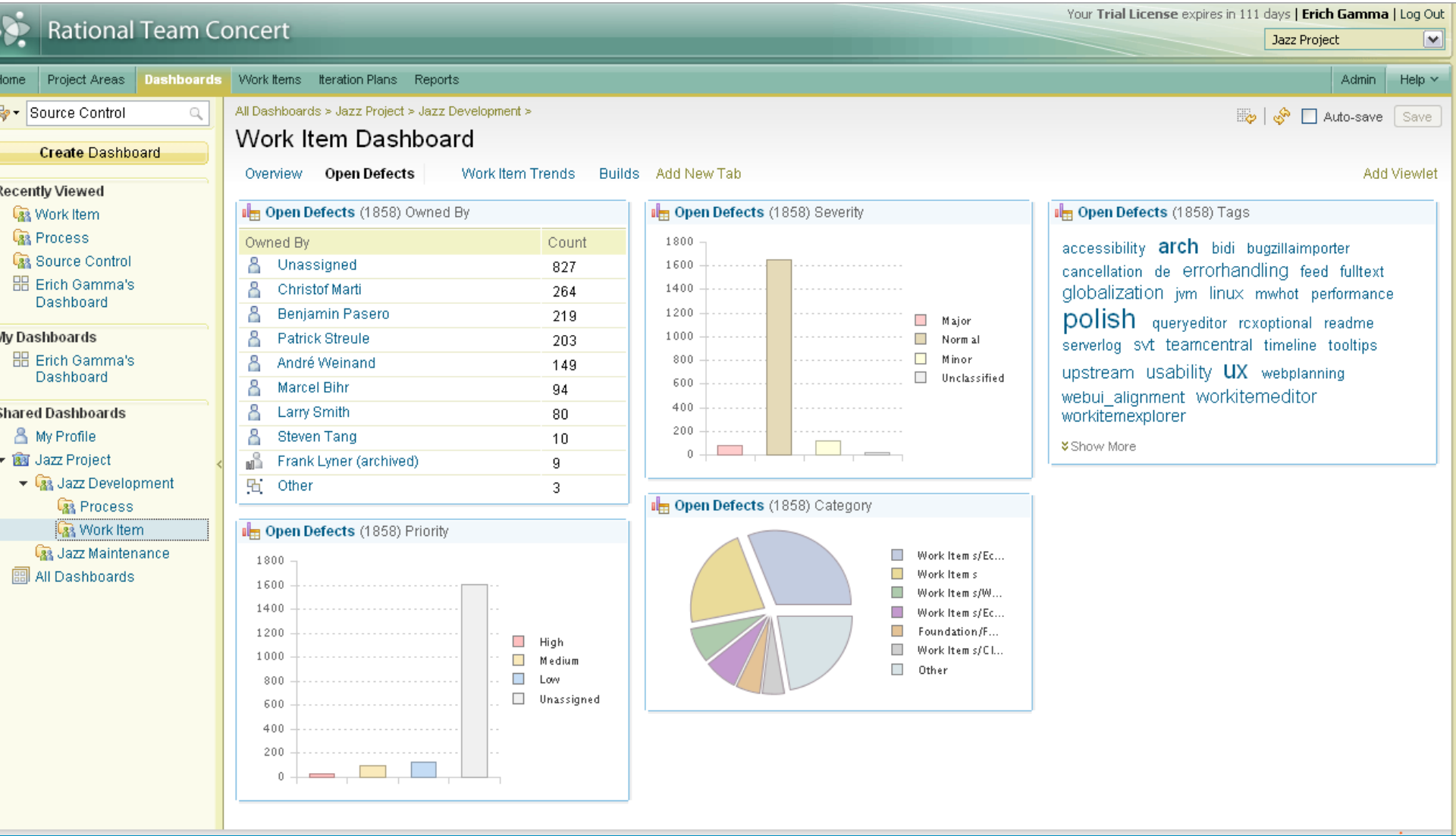
- **project**
- **team**
- **individual user**



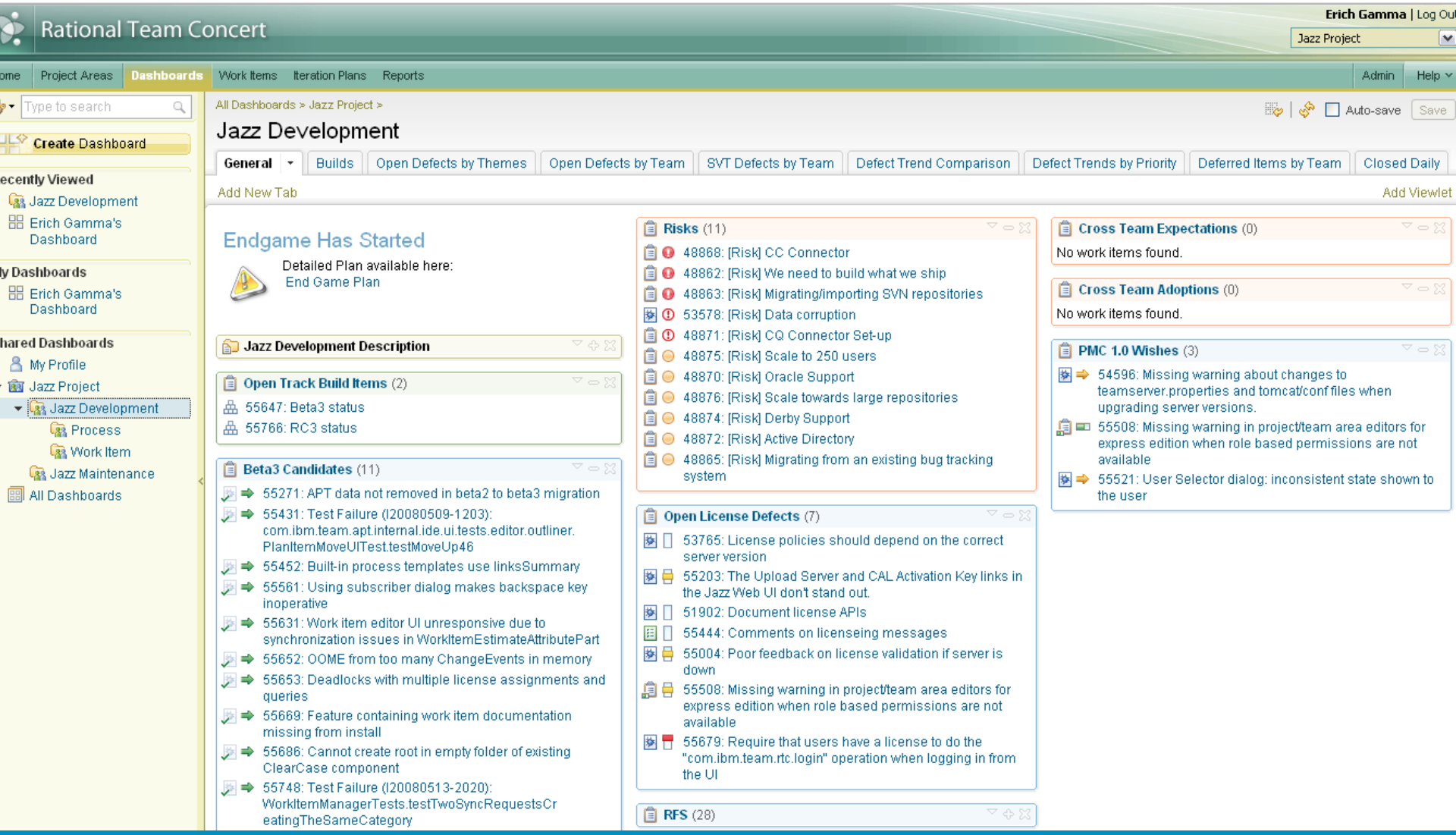
A Personal Dashboard



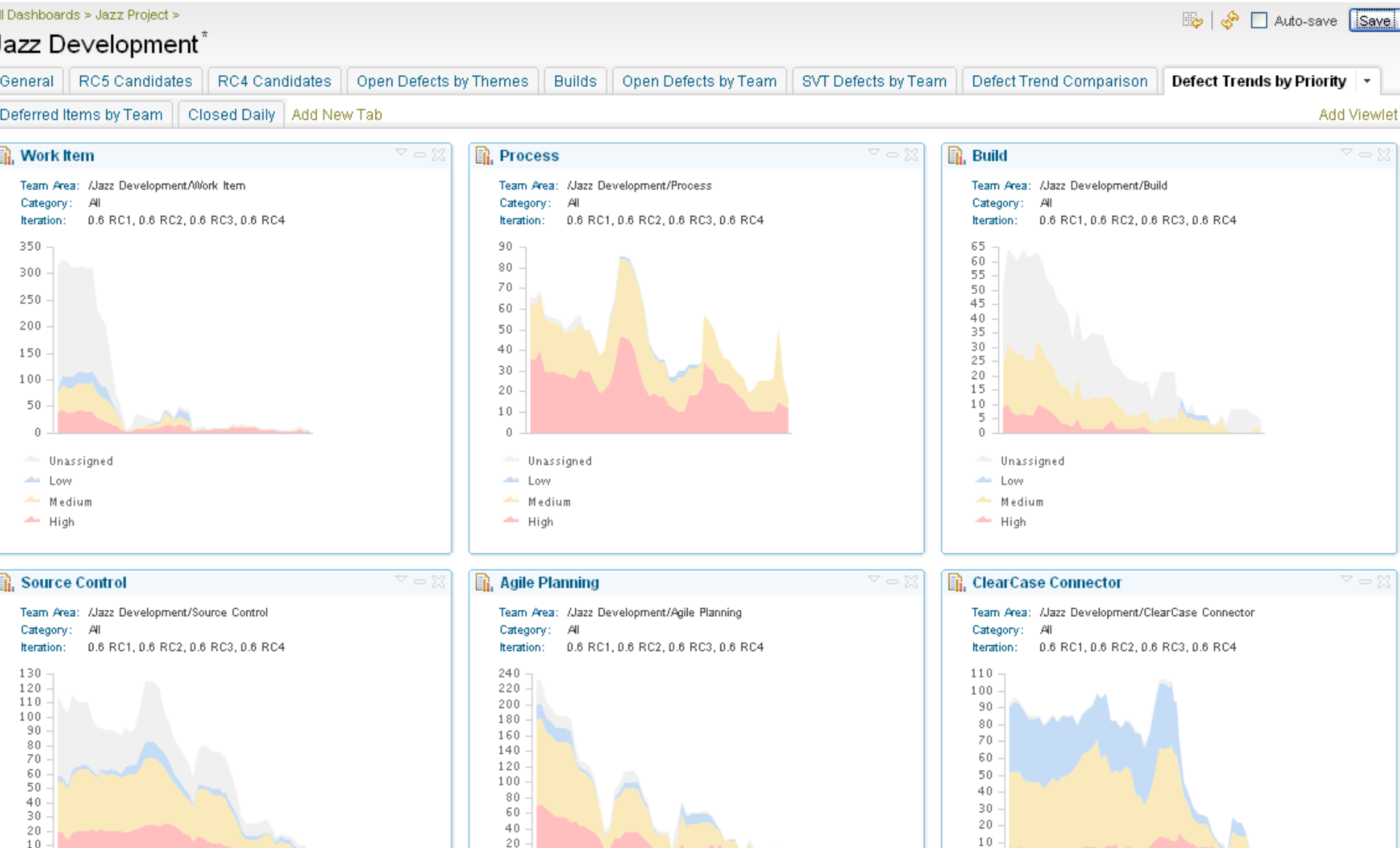
A Team Dashboard



Team of Teams Dashboard



Team of Teams Dashboard



Points of Friction: Getting Started

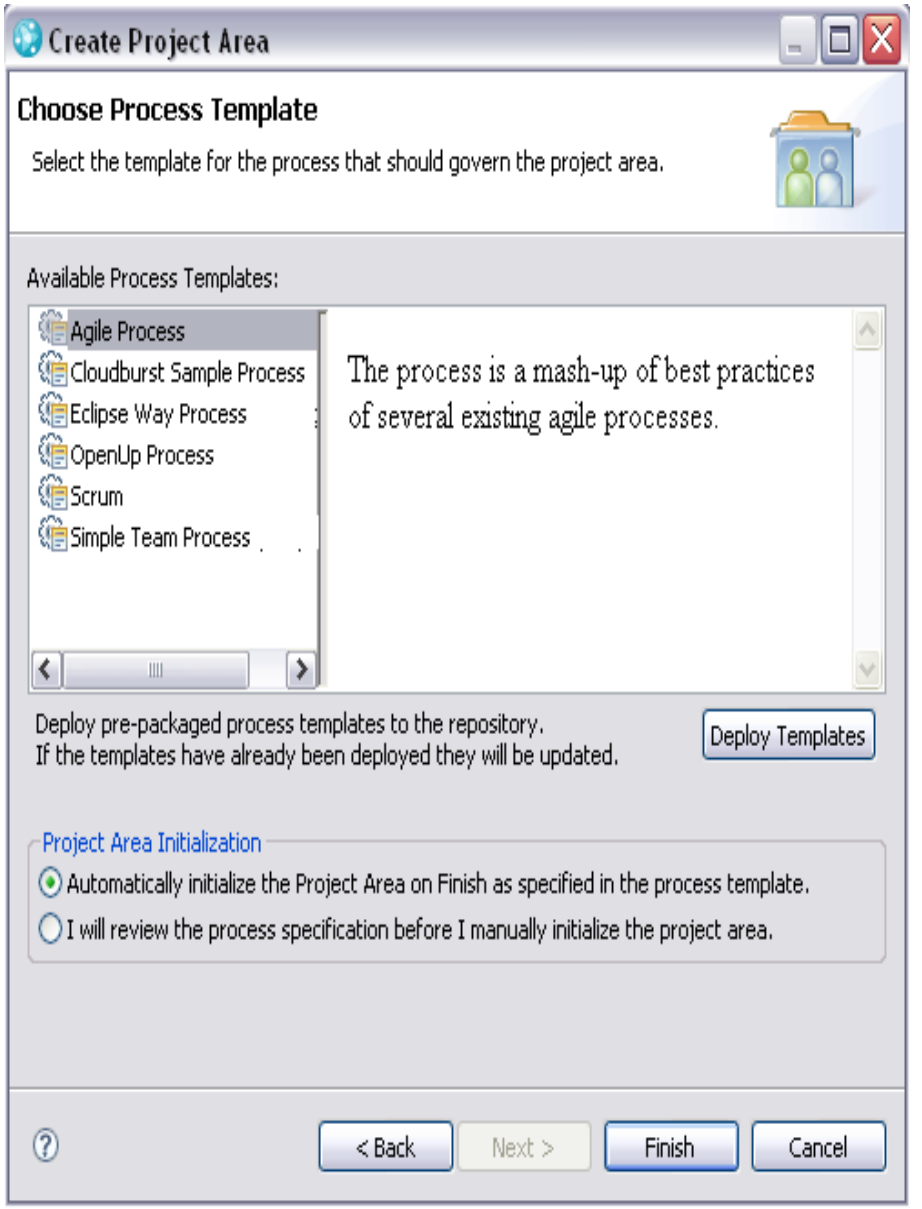
Starting a new project

Joining a team

Starting a Project

Process templates provide out of the box configurations

Adapt process as you learn and adapt



Joining a Team

Demo:

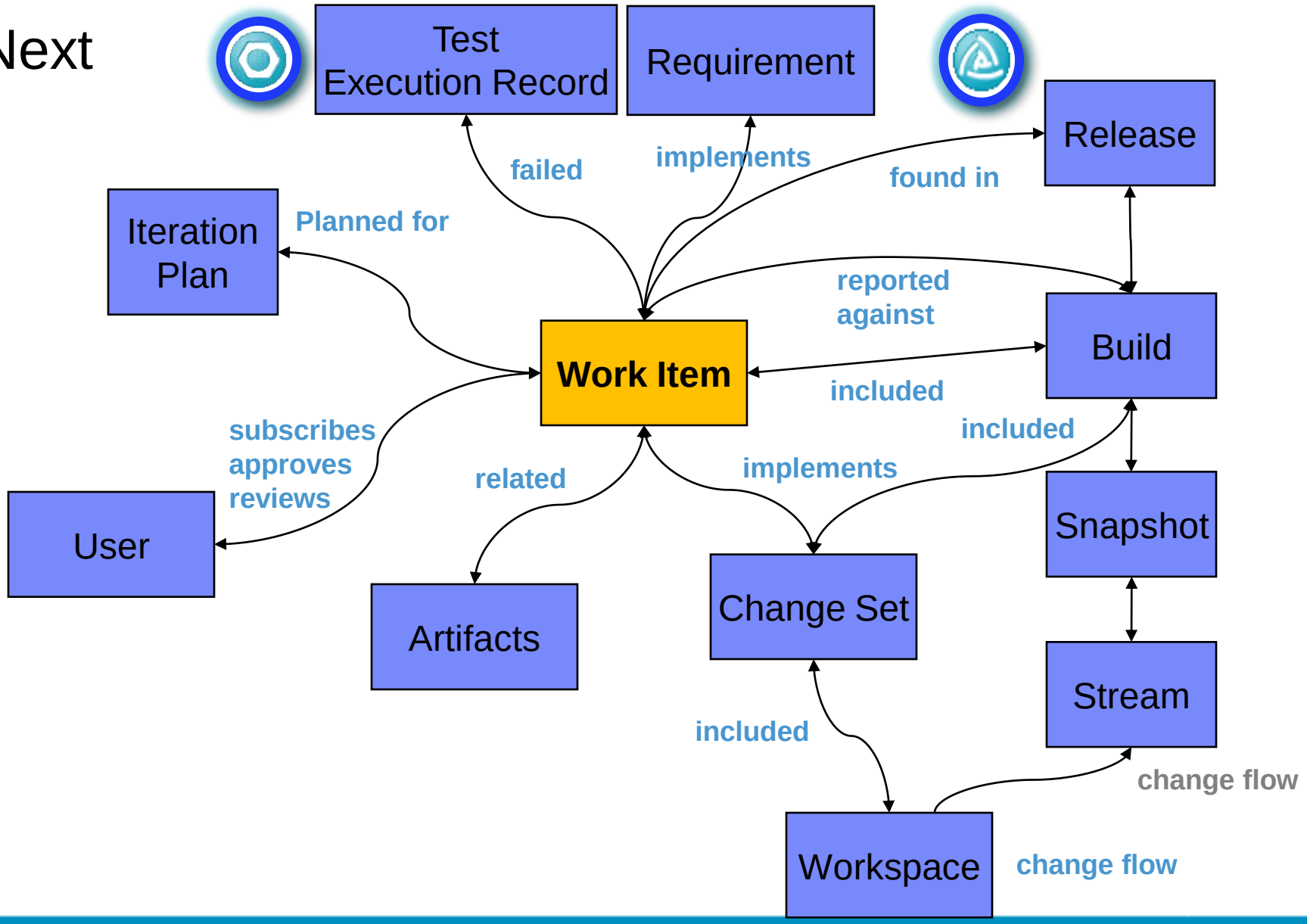
- new team member joins a team
- learns about the team
- Collaborates with team – first bug fix

Team Concert at Work

RTC Team: 70 developers,
10 testers, 8 doc

Inside IBM
900 users

Next

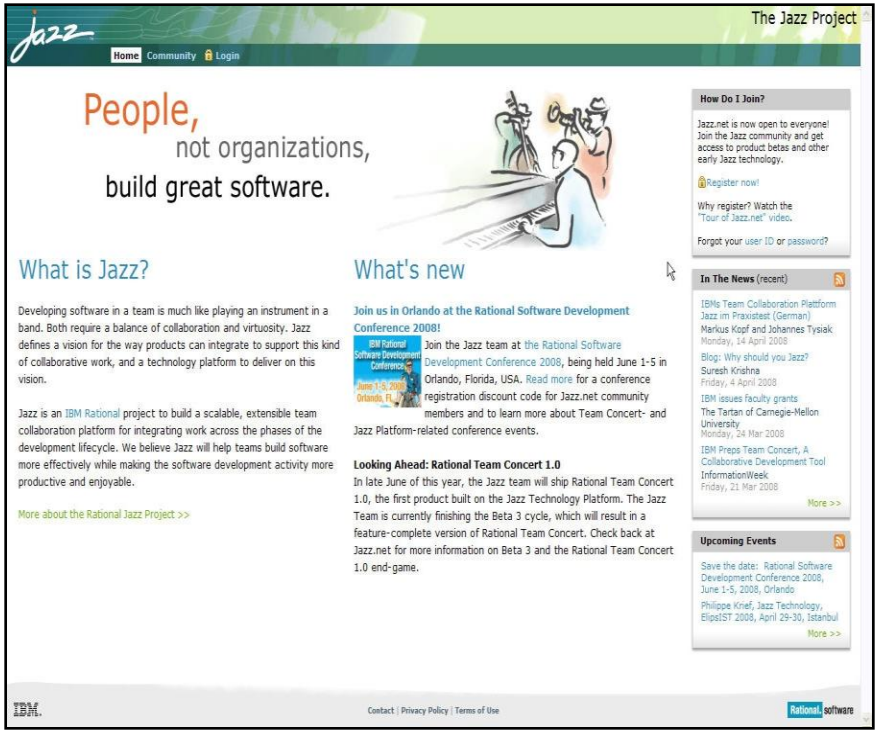

Test Execution Record
Requirement
Release
failed
implements
found in
Iteration Plan
Planned for
reported against
Work Item
Build
included
subscribes
approves
reviews
included
related
implements
User
Snapshot
Artifacts
Change Set
Stream
included
change flow
Workspace
change flow

Summary

Team Concert enables scalable agile development

Provides *effortless access to assets, events, reports, for everybody*

Join the community on jazz.net



IBM Rational Software Development Conference 2008

WHERE TEAMS ARE R-HEROES

IBM

Rational. software