

Rational. software

【2009 IBM開發者大會】 開發,不只玩 じの 的 !

Real **Teams.** Real **Insights.** Real **Results.**

Agile Development with Rational Team Concert

IBM CDL Development Experience Sharing

Jeffrey Liu Staff Software Engineer AGENDA

Being Agile with Rational Team Concert
Integrated Development Environment
Mesurable Productivity

Being Agile with Rational Team Concert

Agile means different things to different people

Key Characteristics of Successful Agile Projects in IBM

Time-Boxed Iteration Continuous Stakeholder Feedback Self-Directed Team Sustainable Pace

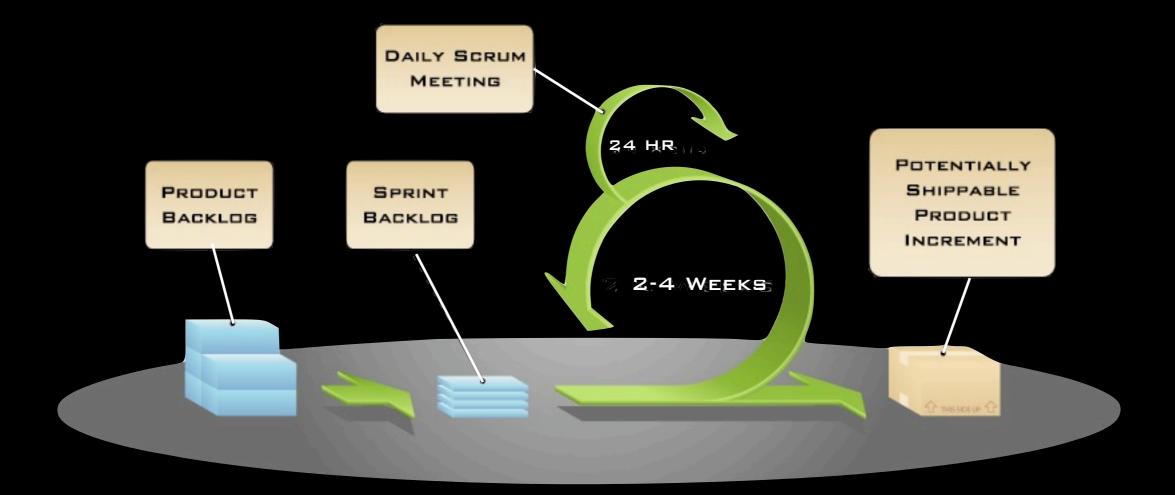


What is scrum?



The scrum is a pushing contest between two teams of eight players. The ball is fed in from the side by the scrumhalf and the team that drives their opponent backwards and hooks the ball out past the last foot of their own scrum wins posession. A scrum down is used to restart play after certain infractions such as a "knock on" or a forward pass.

http://www.oberlin.edu/stuorg/womrugby



ROLES CEREMONIES ARTIFACTS

PRODUCT OWNER

SCRUM MASTER

TEAM MEMBER

Sprint Planning

SPRINT REVIEW

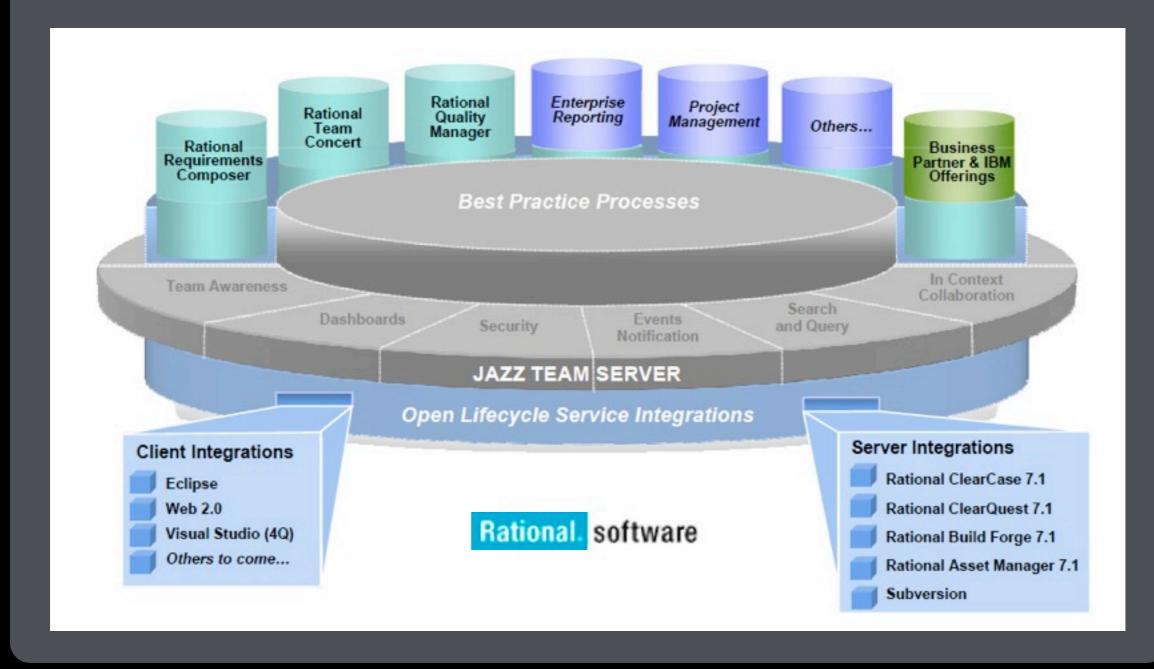
SPRINT RETROSPECTIVE

DAILY SCRUM

PRODUCT BACKLOG

Sprint Backlog

Jazz Architecture







Profile

Availability

Preference





Team Members Development Line Process





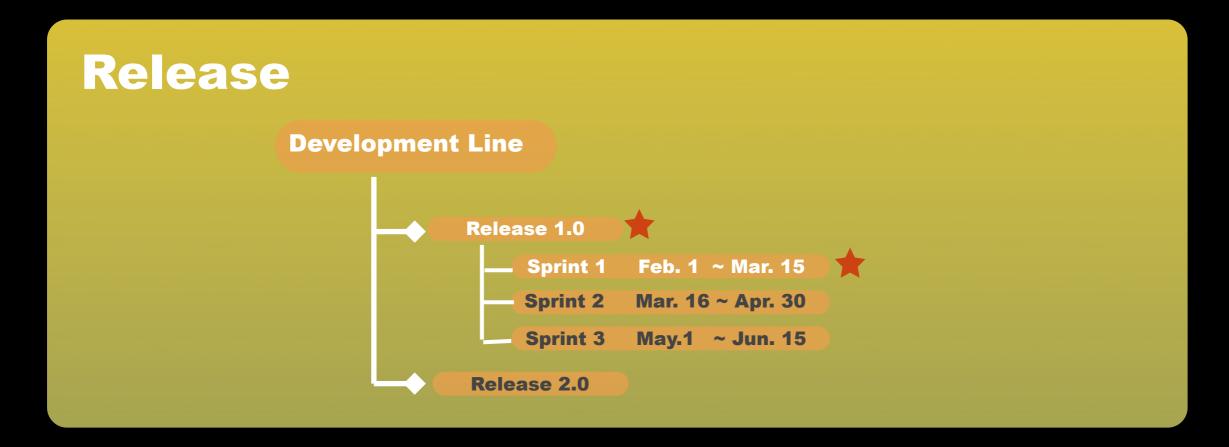
Teams

Release



Process

Naming	Product Backlog, Sprint
Roles	Scrum Master, Product Owner
Permissions	Only Scrum Mater Can create iteration plan
Precondition	All code must be code reviewed before checkin
Follow up	When bug fixed, QA will be notified to verify the fix



"We had a consulting company define a methodology for us. We still have it on a shelf somewhere.

A process needs to live in the tools we use if it's ever going to be followed."

~ A Transportation company

Integrated Developmemnt Environment

One tool that rule them all

Software Dev. Pain Points



Separated Tools

Infrastructure Scripts

Manual Reports

What previously we have...









Rational. ClearCase^(R)

facebook







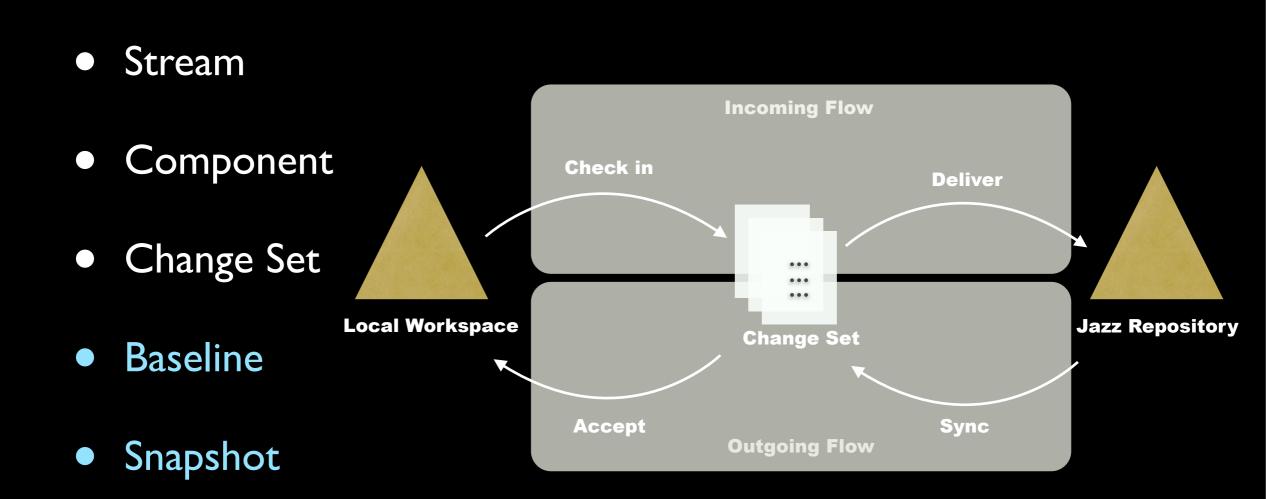
Will It Blend? That is the question.

WORK ITEM

- Each Work item will be associated with an **estimate**
- Along with team member's available resource, the progress and loading of each individual/team/iteration plan could be transparently tracked
- Supported notification mechanisms : mails , event views, RSS , pop-up

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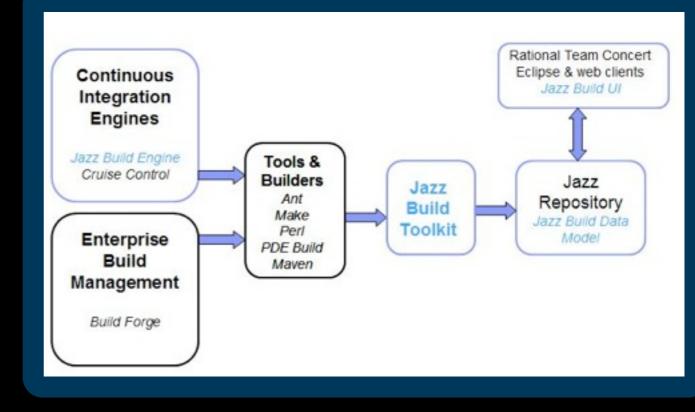
VERSION CONTROL



CONTINUOUS INTEGRATION

- Build Scheduling
- Build Progress monitoring
- Build Alert
- Build Result Viewing
- Regression Testing
- Coverage Testing
- Linkage with other artifacts
 - Work items
 - Change Sets

Jazz Build Engine

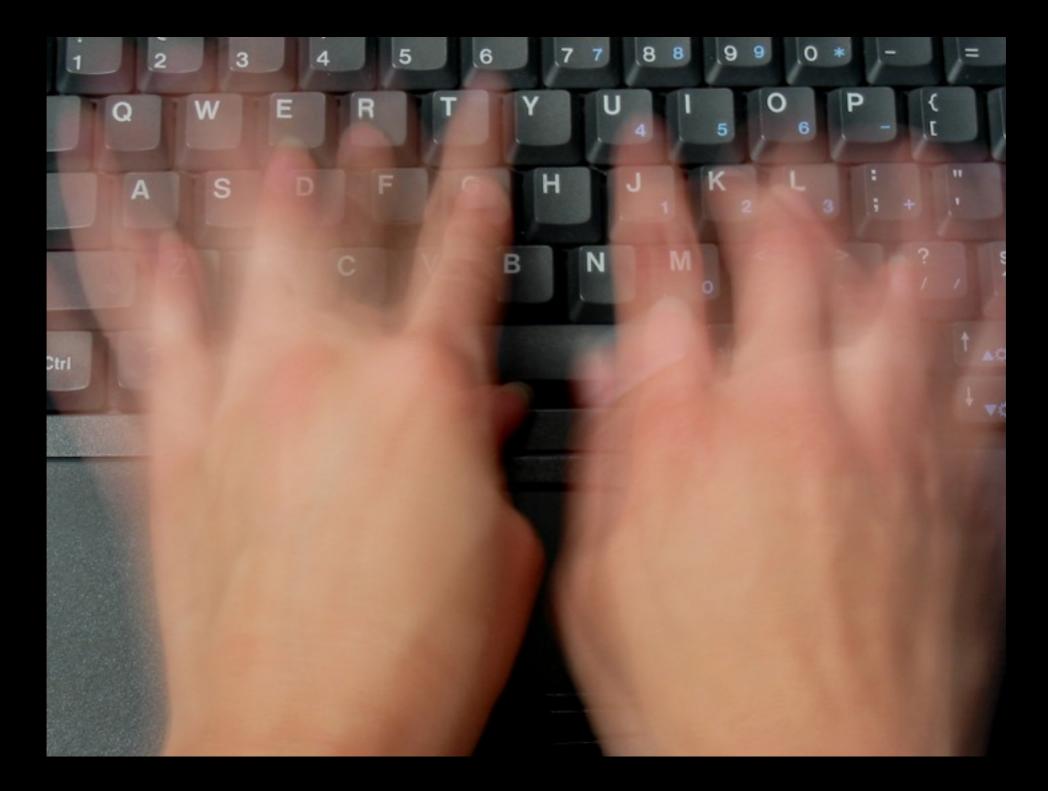




Various project artifacts make it expensive to create report on-the-fly

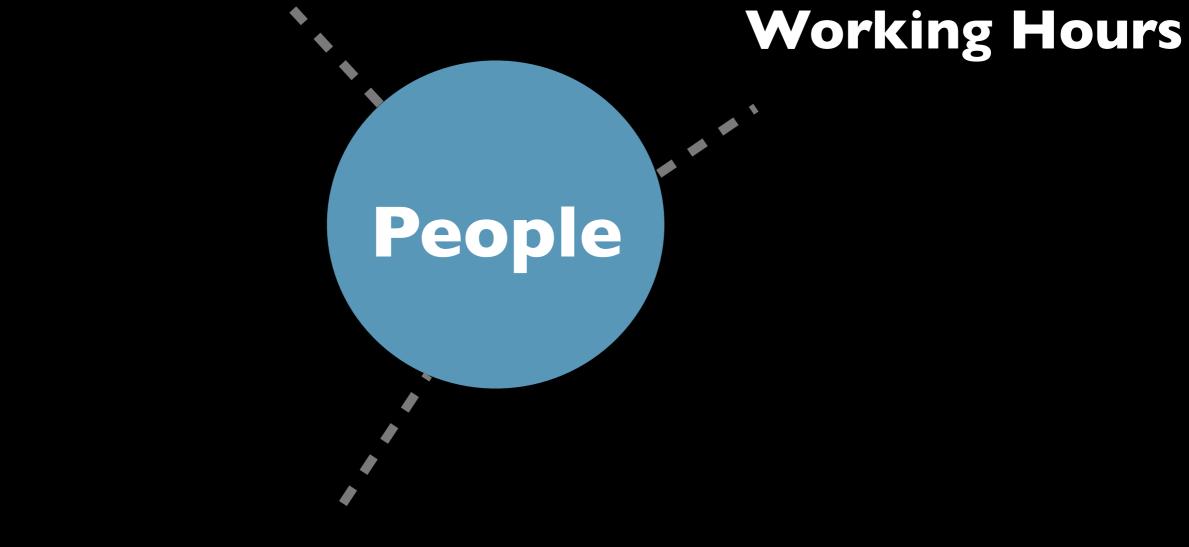
A data warehouse is a storage facility for read-only, historical and aggregated data.



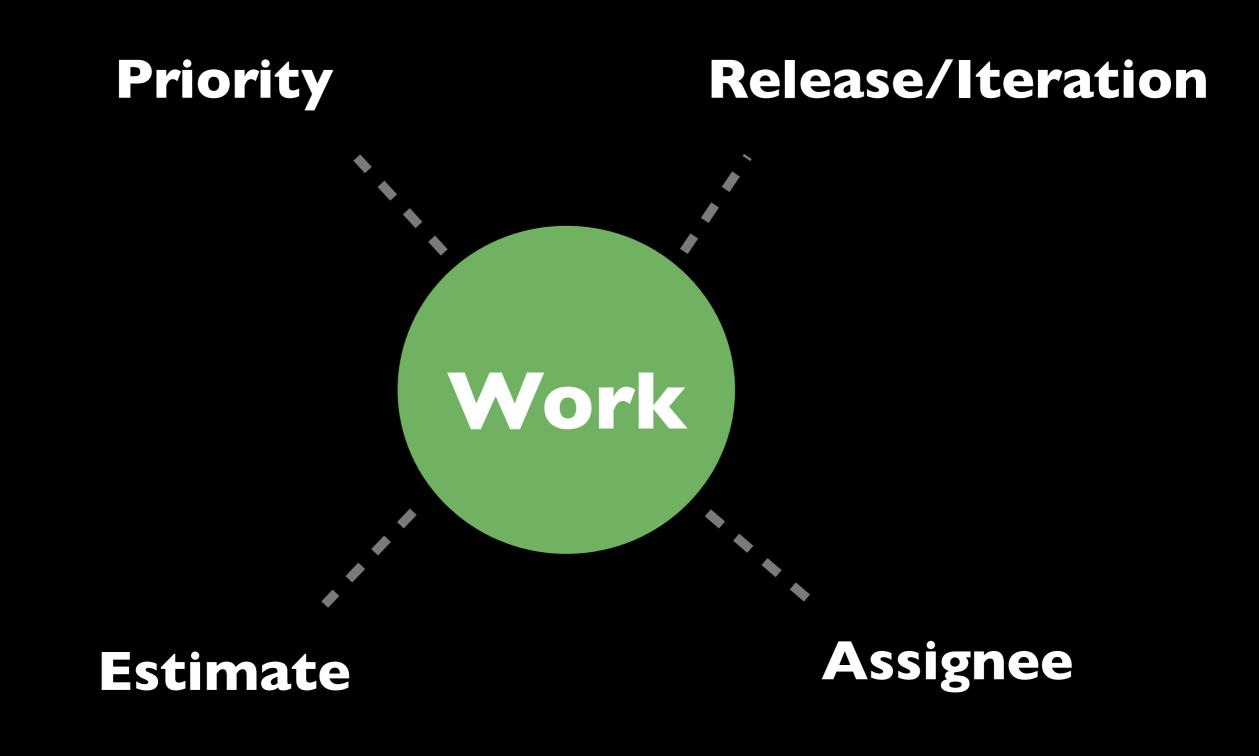


Measurable Productivity

Work Assignments



Scheduled Absences



Load: 52 / 72 | +20 h Es

Estimated: 100%

Work Load

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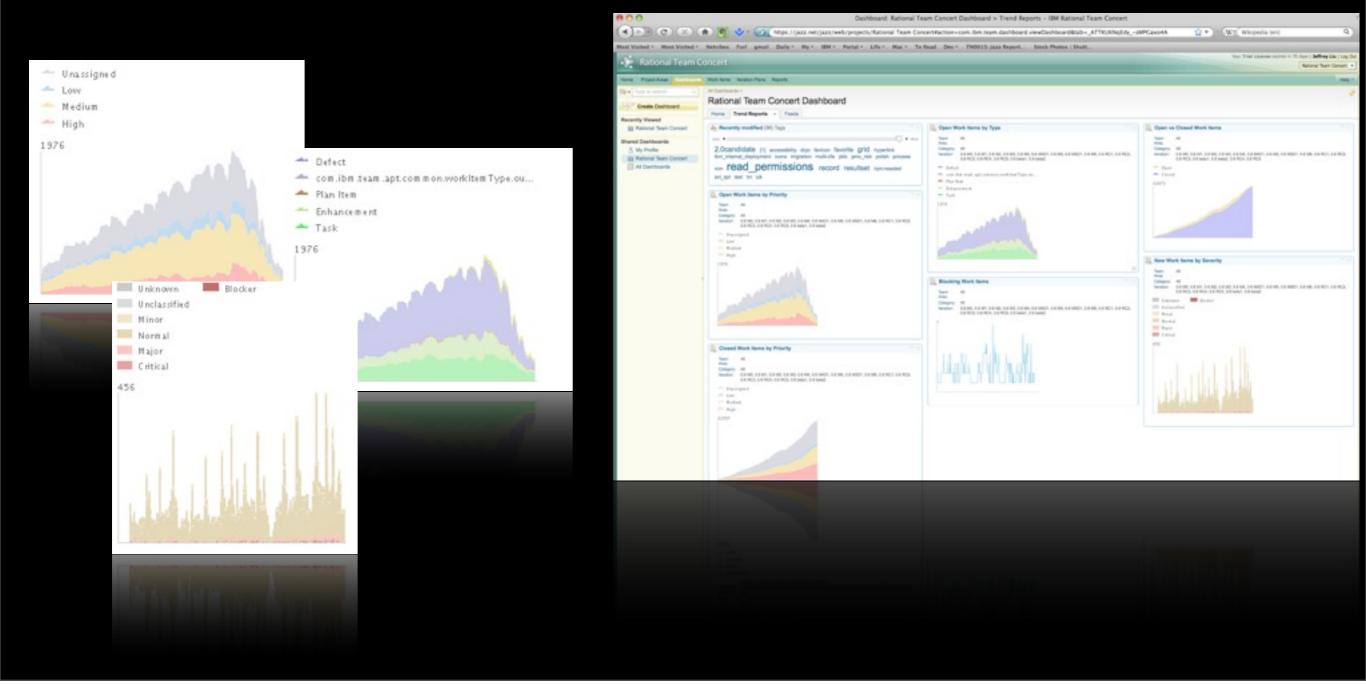
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Work Progress



Estimated: 100%

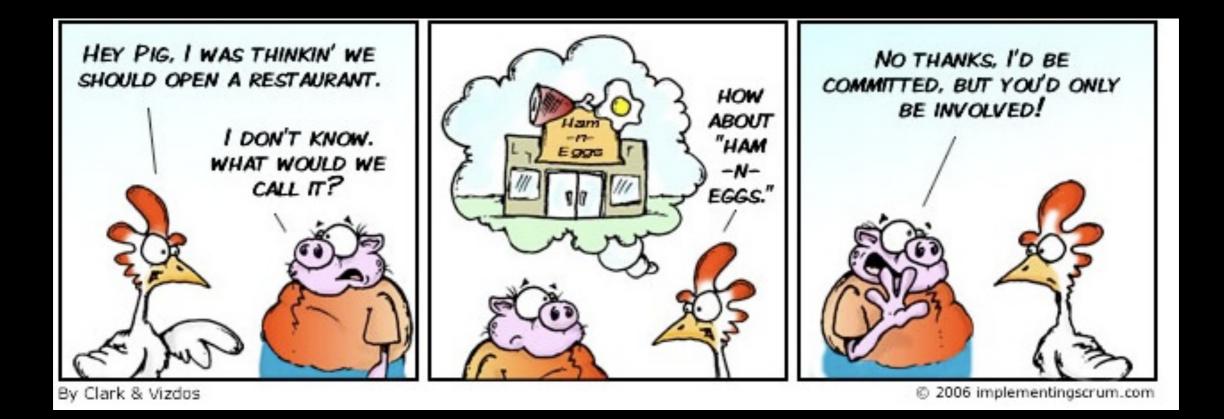
Development Velocity



How it feels like ?



Are You a Pig or a Chicken ?





Self-Directed Team



Prefer Agile over Traditional Dev. Methodologies

Integrated Developmemnt Environment

Measurable Productivity

People not organization build great softwale



Questions