IBM Rational Software
Development Conference
2008

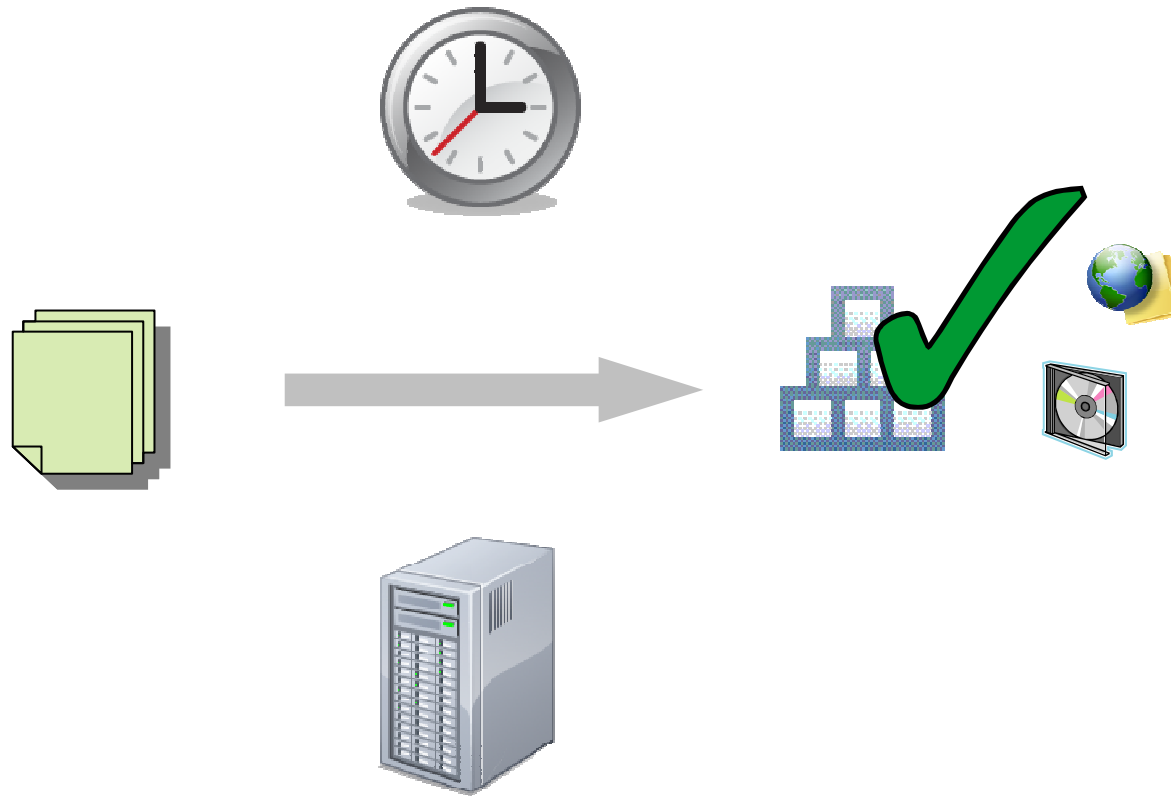WHERE TEAMS ARE **R-HEROES**

RU READY TO SAVE THE DAY?
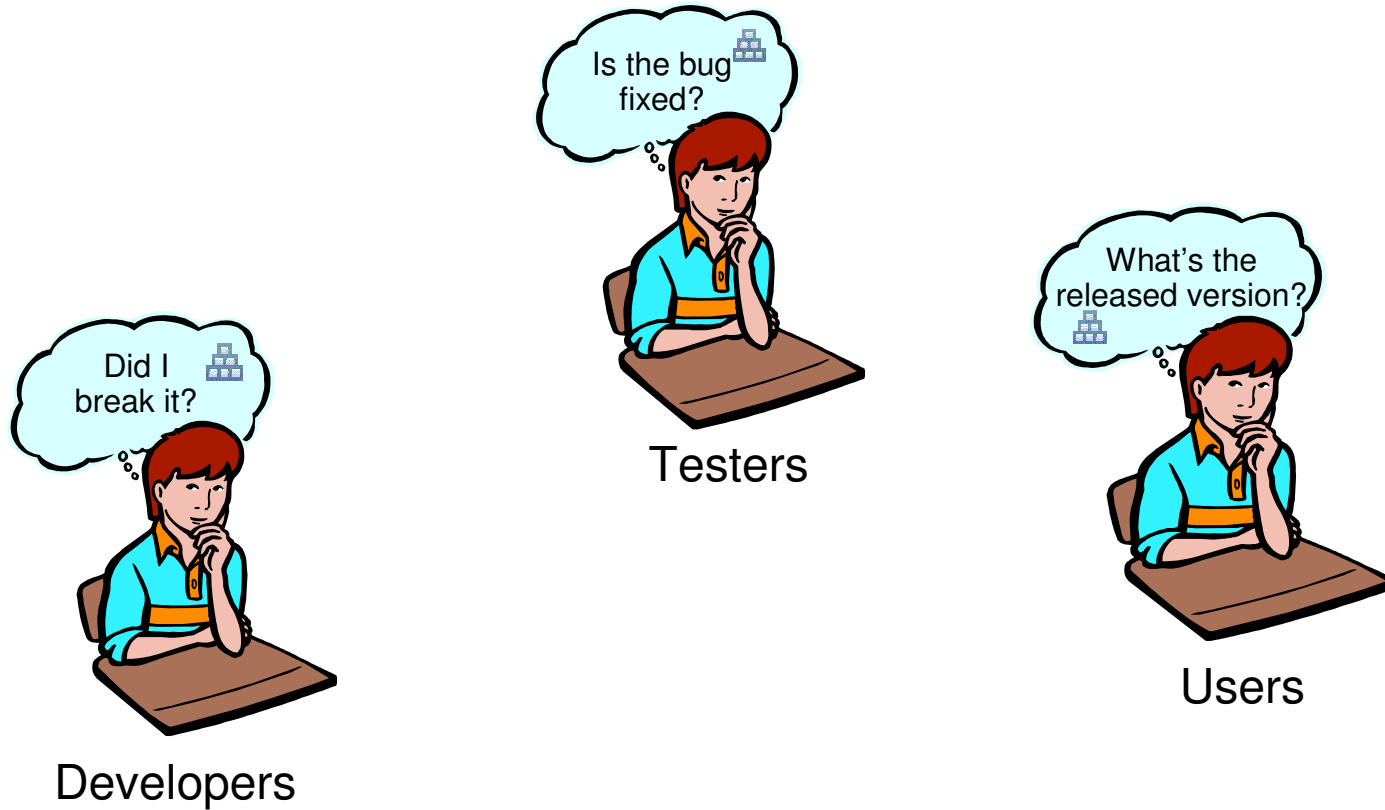
Integrating your build with Jazz team build

Ryan Manwiller
Jazz Team Build Lead, IBM Rational
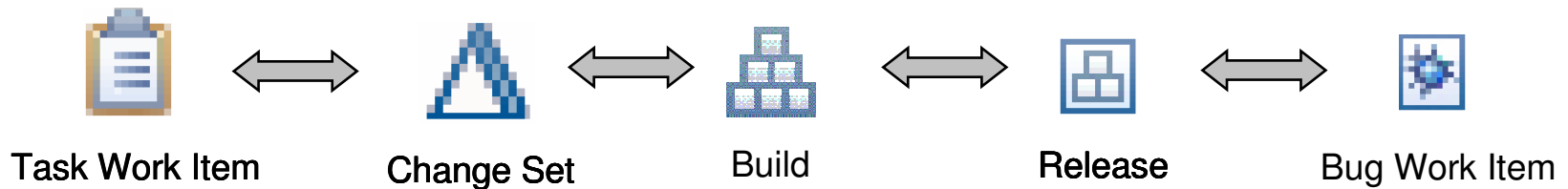ryanman@us.ibm.com

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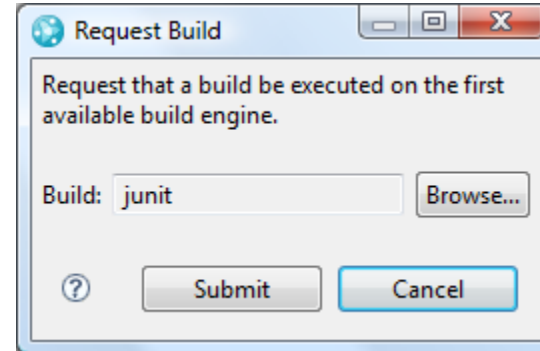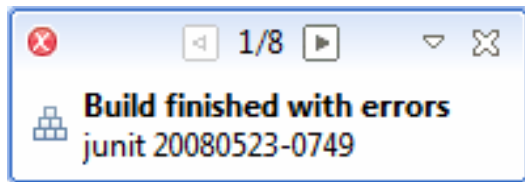# What kinds of builds are we talking about?

Who cares about builds?

Awareness, control, traceability

Task Work Item ⟺ Change Set ⟺ Build ⟺ Release ⟺ Bug Work Item

Typical build system components

Continuous Integration Engines

Cruise Control
Continuum

Enterprise Build Management

Build Forge

Tools & Builders
Ant
Make
Perl
PDE Build
Maven

Web results and downloads
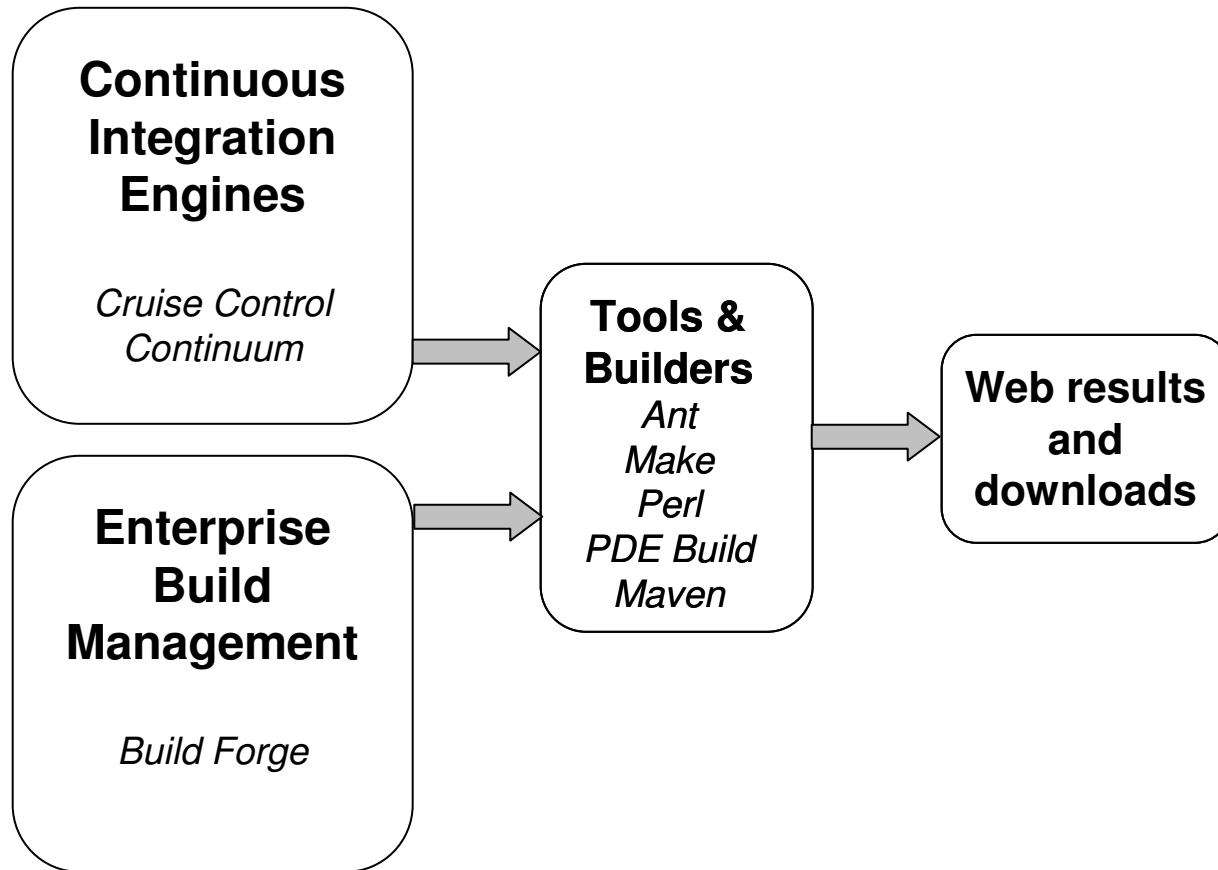
Where does Jazz build fit in?

Continuous Integration Engines

Jazz Build Engine
Cruise Control
Continuum

Enterprise Build Management

Build Forge

Tools & Builders
Ant
Make
Perl
PDE Build
Maven

Jazz Build Toolkit

Web results and downloads

Rational Team Concert
Eclipse & web clients
Jazz Build UI

Jazz Repository
Jazz Build Data Model
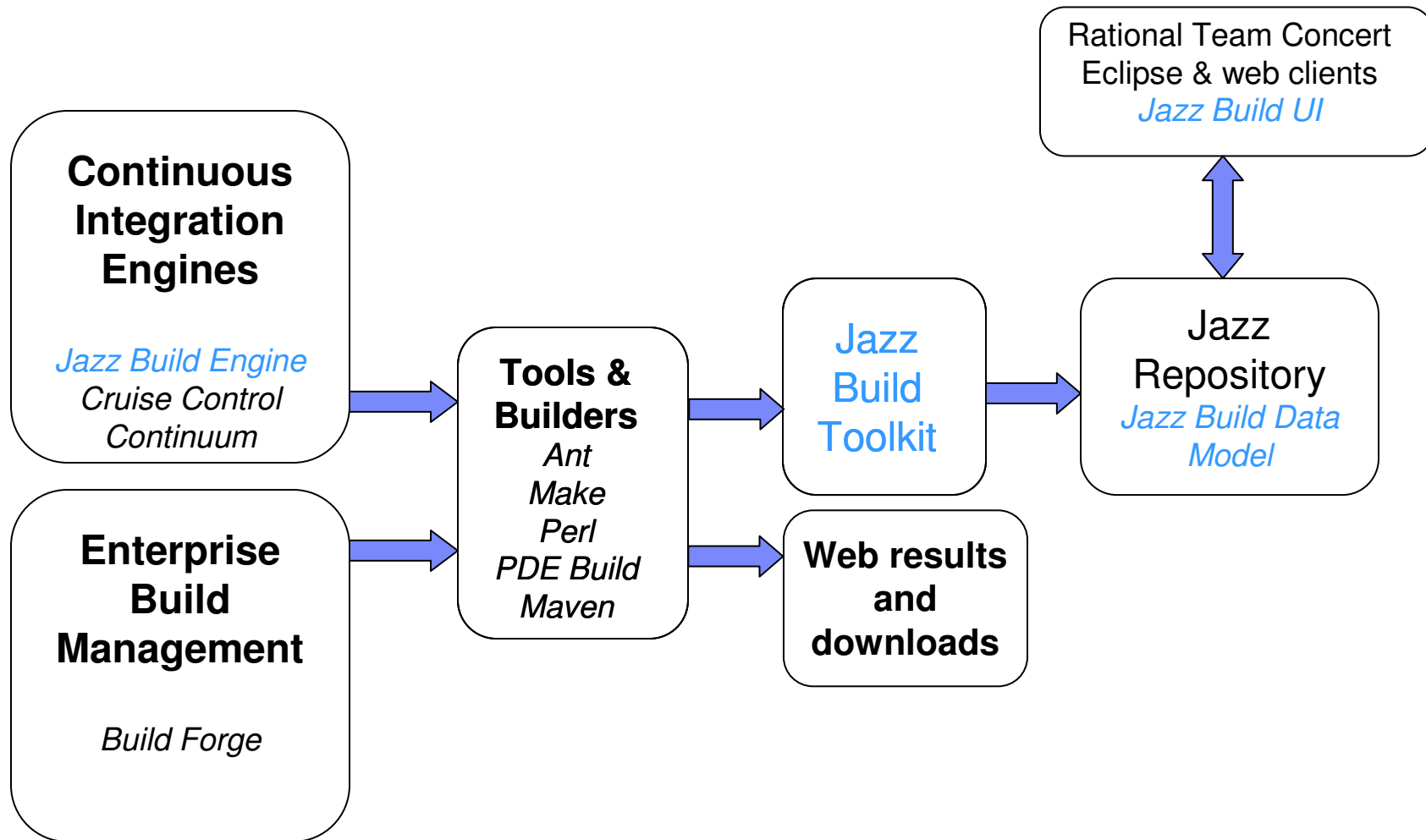
Bringing builds to life in Team Concert

Web client

Before

Web client

Eclipse client

After

Demo build flow

Existing
Function

Build starts ➡ ➡ Build Completes

Report
Progress

Publish
Results

5-minute makeover: Ant

Jazz Build Engine ➡ Ant ➡ Script ➡ Build Toolkit ➡ Jazz Repository

5-minute makeover: C++ / make

Jazz Build Engine ⟹ Make ⟹ Ant ⟹ Scriptlet ⟹ Build Toolkit ⟹ Jazz Repository
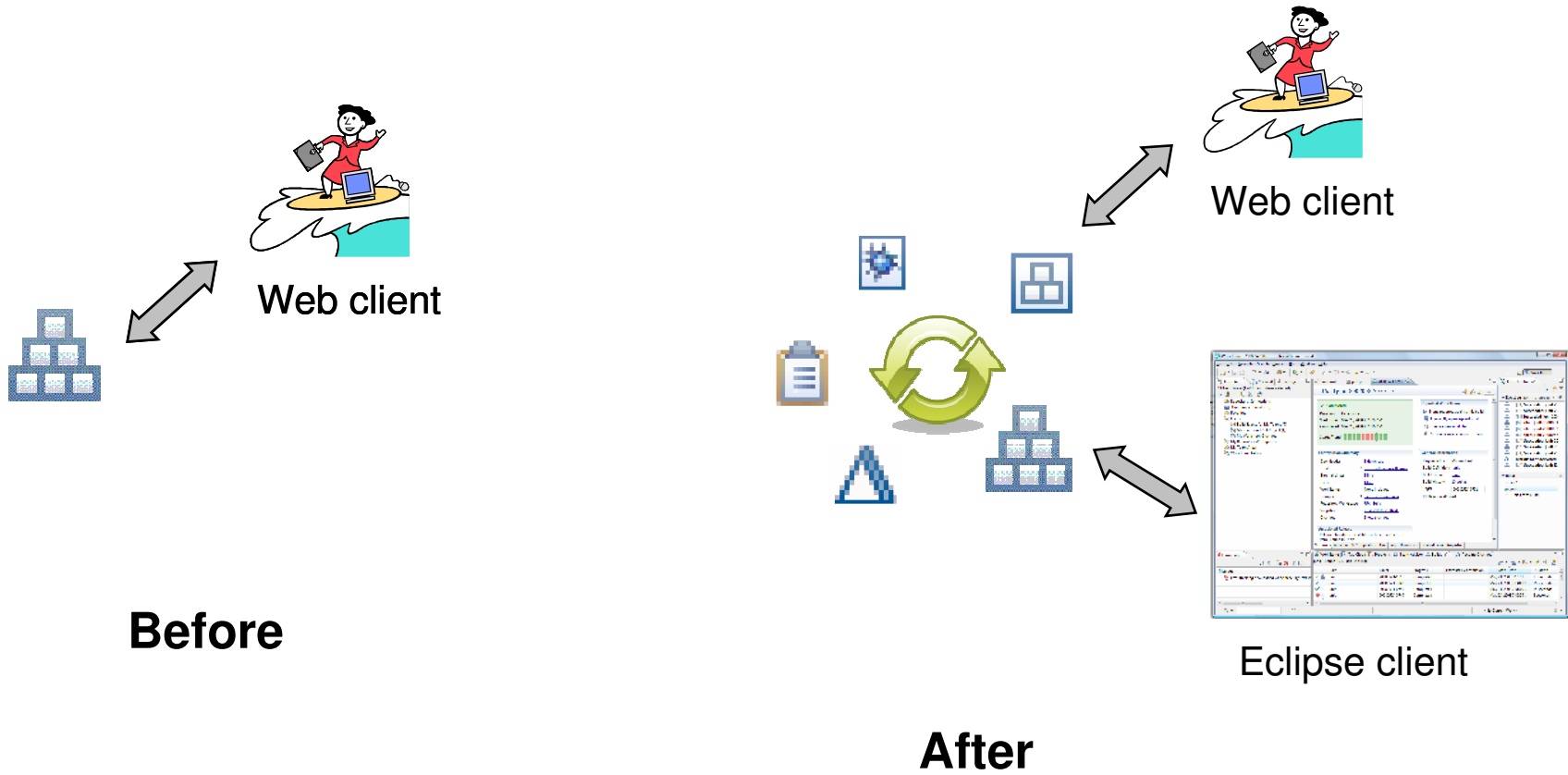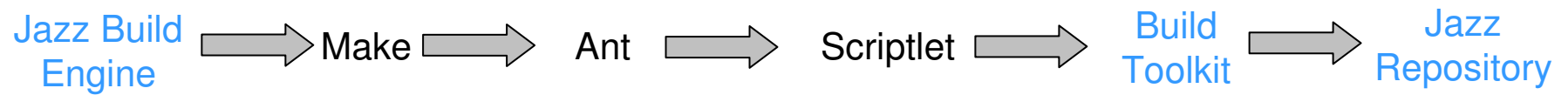
5-minute makeover: Perl without the Jazz build engine

Standalone Perl Script ➡ Ant ➡ Scriptlet ➡ Build Toolkit ➡ Jazz Repository

Try it for yourself

https://jazz.net/wiki/bin/view/Main/BuildExamples

THANK YOU

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- Change and release management
- Quality management
- Architecture management

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