IBM Software Group

9768: Using RTC's ISPF Client for z/OS Code Development

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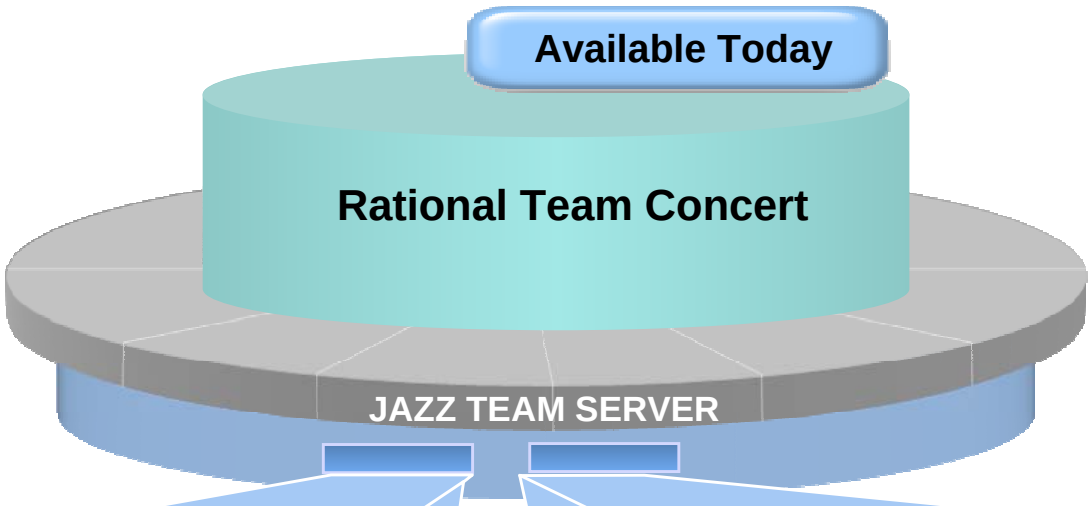
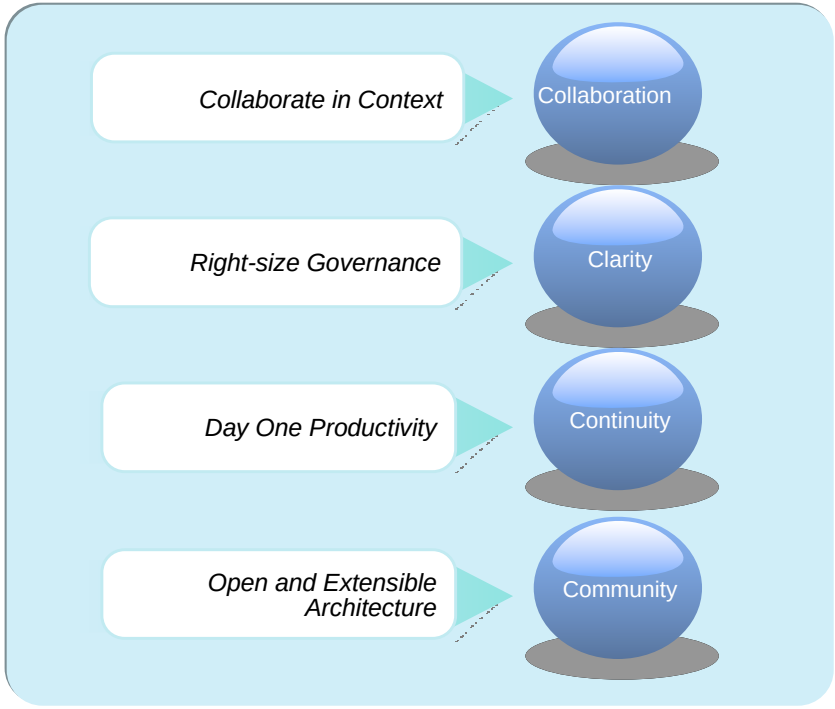
Rational Team Concert

Rational Team Concert brings together diverse teams allowing them to work together to build solutions





Client Integrations

- Eclipse and Eclipse-based products
- Web 2.0
- Visual Studio
- ISPF

Extensions for System z

- Native z/OS build support
- Integration with Rational Developer for System z
- Integrated SCM solution for z/OS and distributed assets
- Flexible Deployment Platforms - z/OS, Linux on System z, or distributed

Statements on future direction subject to change

What's new in RTC 3.0.1?

- ***Native z/OS development***
  - *ISPF 'Green Screen' SCM client*
- ***Enterprise Platforms enhancements***
  - *Dependency based Build (z/OS)*
  - *Promotion of builds (z/OS)*
  - *Deployment of Applications (all platforms except Windows)*
  - *Context aware-search*

Driving Business Differentiation

ISPF 'Green Screen' Client

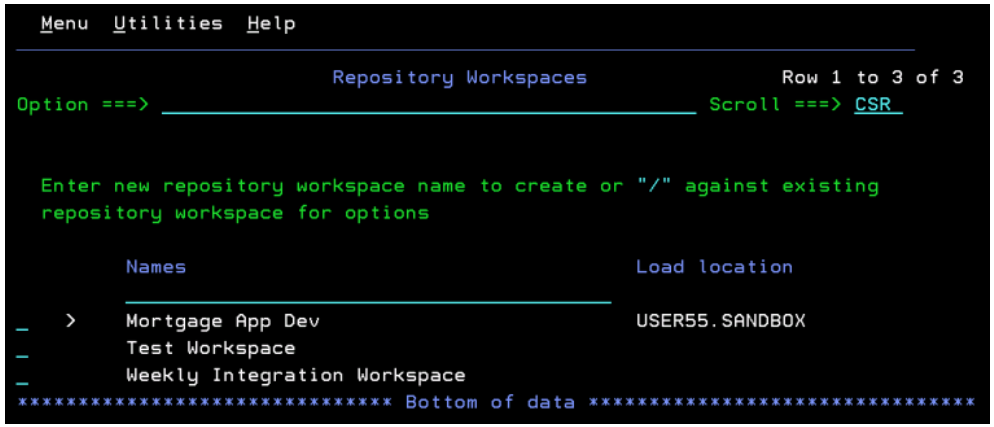
Full Function SCM Client

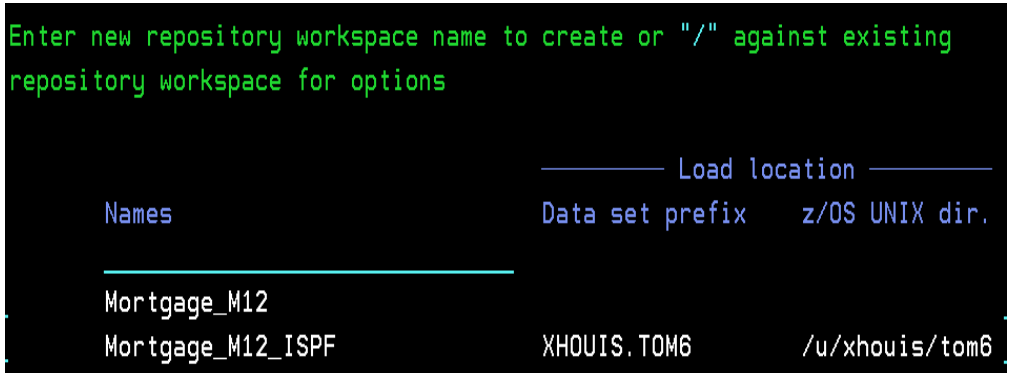
- Users can check out/check in code to native z/OS file system
- Providing value add of RTC SCM
- Repository Workspaces, change sets, link to work items, build requests
- Linking to Work items though list
- Ability to access and edit files in z/OS UNIX directories (HFS)
- User experience consistent with ISPF
- Simple to use for fast start
- Allows phased implementation
- Reduces dependency on deployment of Rational Developer for System z (Rdz)

NOTES

- Use the Web client for WIs and planning
- Use the Eclipse client for Administration
- Available in all Developer clients

ISPF SCM Client





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Dependency Based Build

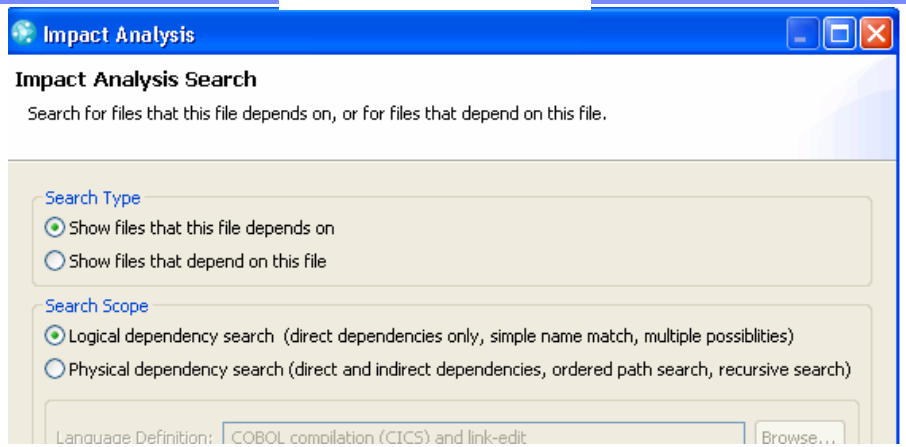
Dependency Based Build

Logical Dependency data is captured from source stored in the SCM

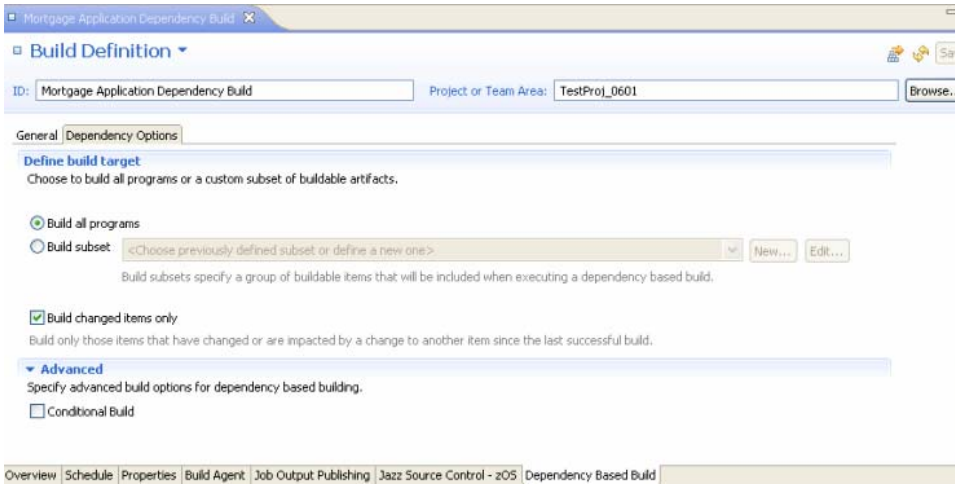
Providing Access to the Meta Data

Build Preview

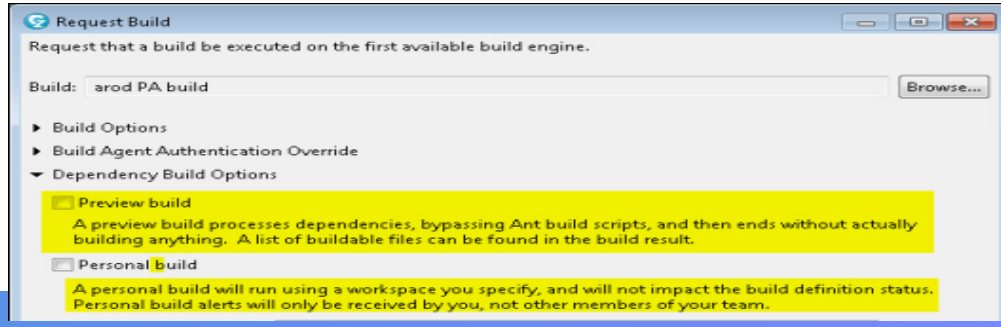
Impact Analysis



Dependency based build

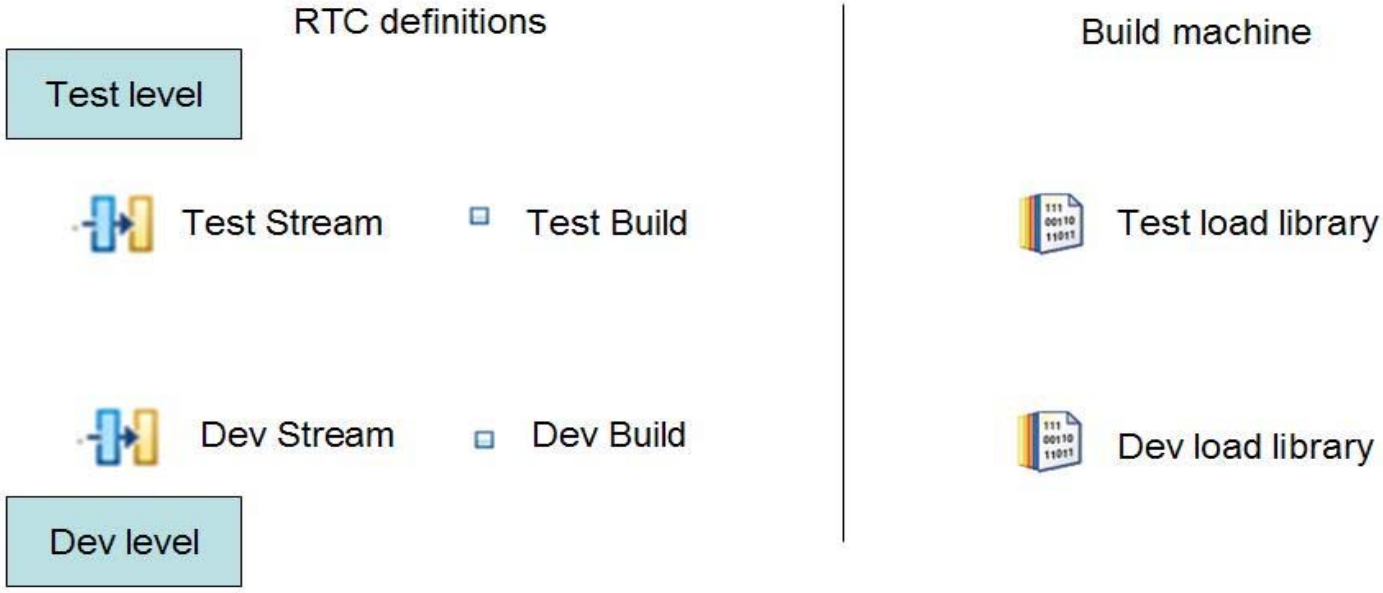


Build preview

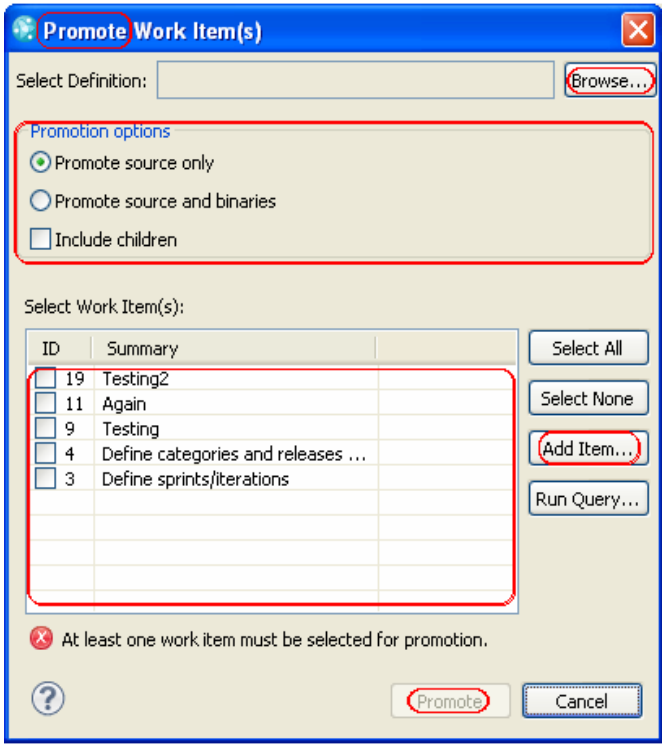


Promotion

Move applications through the stages of lifecycle to Ensure consistency - Minimize rebuilding



NEW !

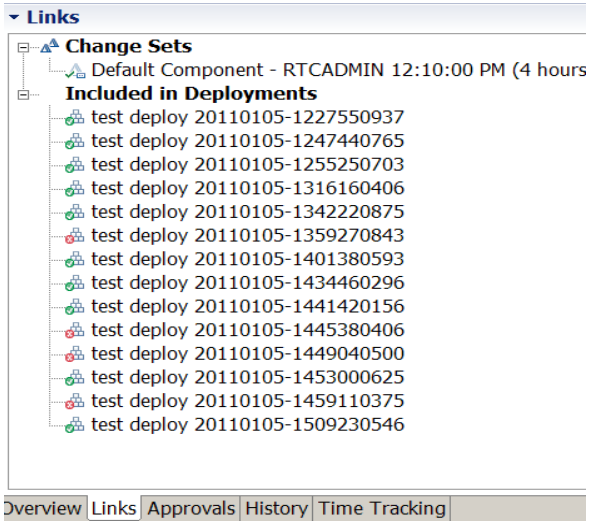


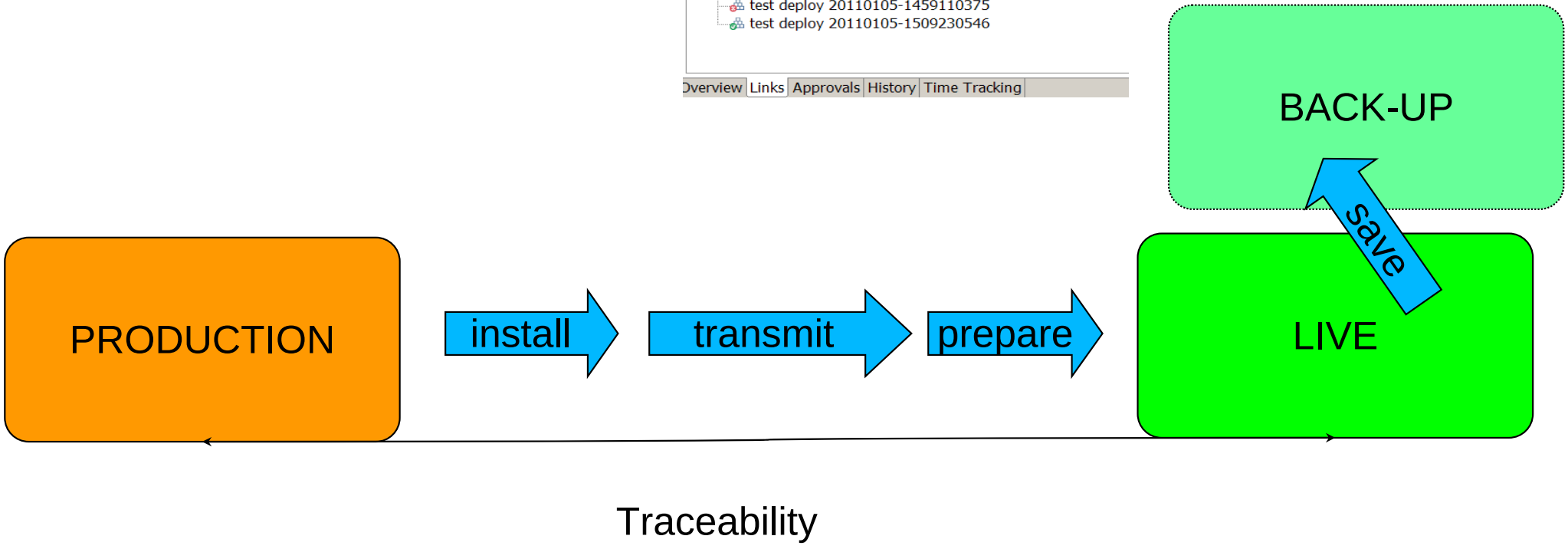
- Promote source, build output, and related meta data together
- Work Item based Promotion
- Full audit trail

Deployment

Move applications to the Live environment (Test or Production) with control, consistency and traceability.

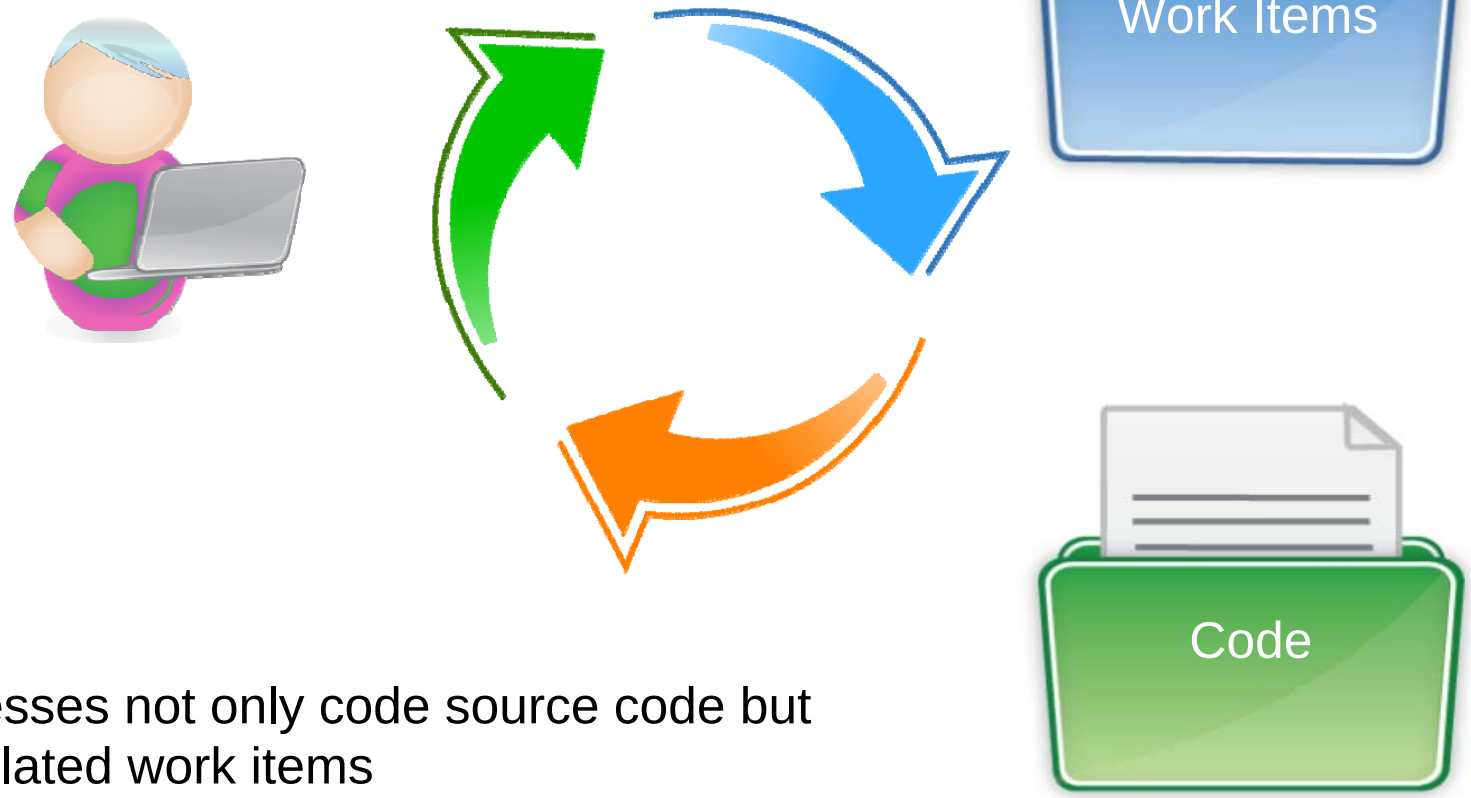
- **Basic deployment support for programs**
- **Deployment integrated into RTC**





Context Aware Searching

Search with an understanding of processing programming languages



Processes not only code source code but the related work items

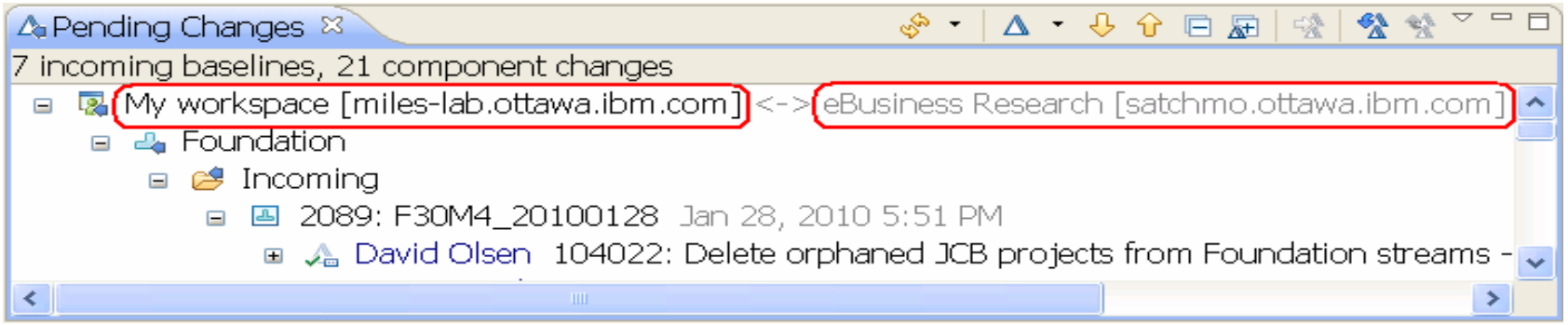
What's new in RTC 3.0.1?

- ***Distributed SCM***
  - *Cross Repository SCM Operations*
  - *More Flexible Change Set Linking Across Servers*
- ***Enterprise Build Support***
  - *Out of the box Rational Build Forge Integration*
  - *Multiple Build Engine Types*

Driving Business Differentiation

Enterprise Enhancements

- **Distributed source control**
  - You can now flow components and change sets between workspaces and streams hosted on different repositories.
  - You can turn this feature on or off on a per RTC server basis



- **Support for Multiple Build Engine Types**
  - There are now multiple types of build engines: Jazz Build Engine, Rational Build Forge, and Rational Build Agent
  - This allows the engine and its configuration to be shared across multiple definitions, and for definitions to support multiple engines. Different projects may now define their own engines.

Summary of RTC 3.0.1

- Any Plan
  - ***Advanced Planning for Formal and Agile Teams***
- Any Process
  - ***Flexible Customization and Configuration***
  - ***Distributed SCM***
  - ***Enterprise Build Support***
- Any Platform
  - ***A single release for all platforms***
  - ***Enterprise Platform Enhancements (z and p)***
  - ***Enhanced RTC Client for Microsoft Visual Studio IDE***
  - ***Open Integrations to your Existing Tools***
- With simple user based licensing and more flexible pricing optio

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For more information/details …

- See more details on new capabilities in Rational Team Concert 3.0.1 pages at
  - jazz.net
  - ibm.com

- Find the announcement at
  - RTC Announcement Letter

Driving Business Differentiation

For demos of ISPF client and IEP extensions…

Driving Business Differentiation

- **7 recorded demos: (all are available in front of the jazz login)**
- **http://jazz.net/library/video/489 Dependency build (video) - - title: Rational Team Concert 3.0: Dependency build: setting up and running**
- **http://jazz.net/library/video/*490* - title: Rational Team Concert 3.0: Packaging and deploying the output of a build into a runtime environment**
- **http://jazz.net/library/video/*491* - title: Rational Team Concert 3.0: Promoting source code, source code data and binary executables**
- **http://jazz.net/library/video/488 - title: Rational Team Concert 3.0: Source code data: gathering, querying, editing, and using the information to analyze dependencies**
- **http://jazz.net/library/video/487 - title: Rational Team Concert 3.0: Using the ISPF client to work with host files in the SCM and submit builds**
- **http://jazz.net/library/video/486 - title: Rational Team Concert 3.0: Searching for references to zEnterprise system definitions and switching to a different definition for objects**
- **http://jazz.net/library/video/485 - title: Rational Team Concert 3.0: Context-Aware Search for source code using semantic analysis of related artifacts**