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10250: z/OS Development Using RTC's ISPF Client and Rational Developer for System z

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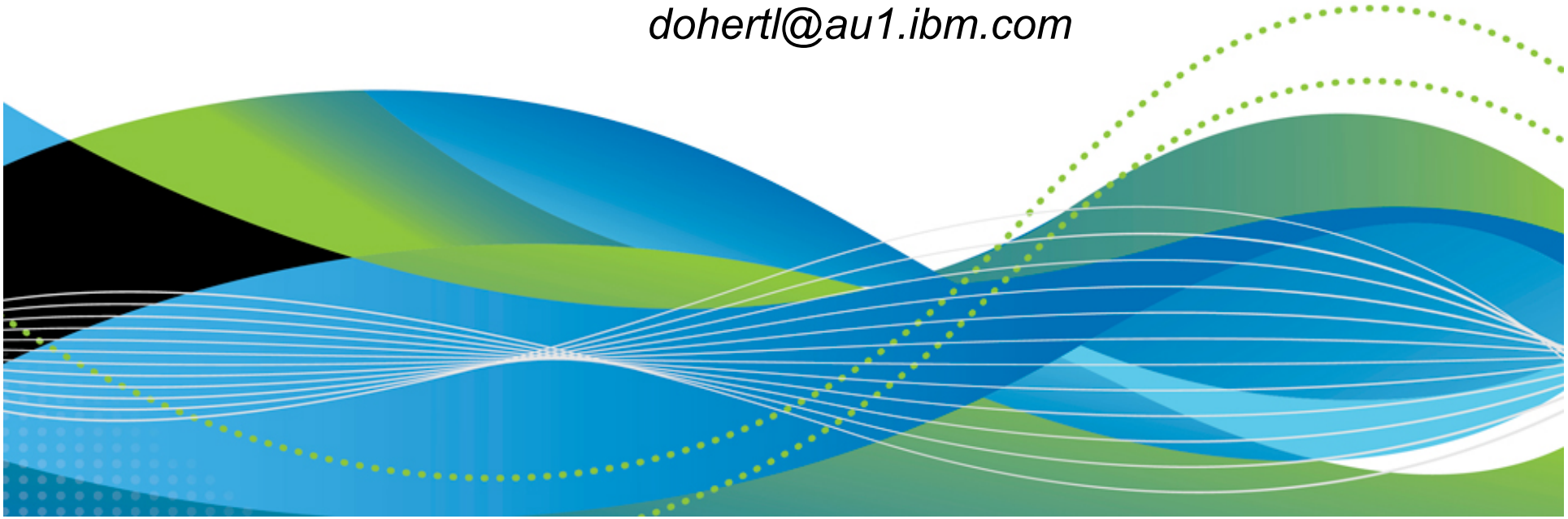


Silos create barriers to effective software delivery

Analysts

Project Managers

Quality Professionals

*"At some point,
you take a step back,
and you realize you have an awful lot
of siloed systems that are limiting transparency
across strategic projects."*

Development Director
Temenos, Inc.

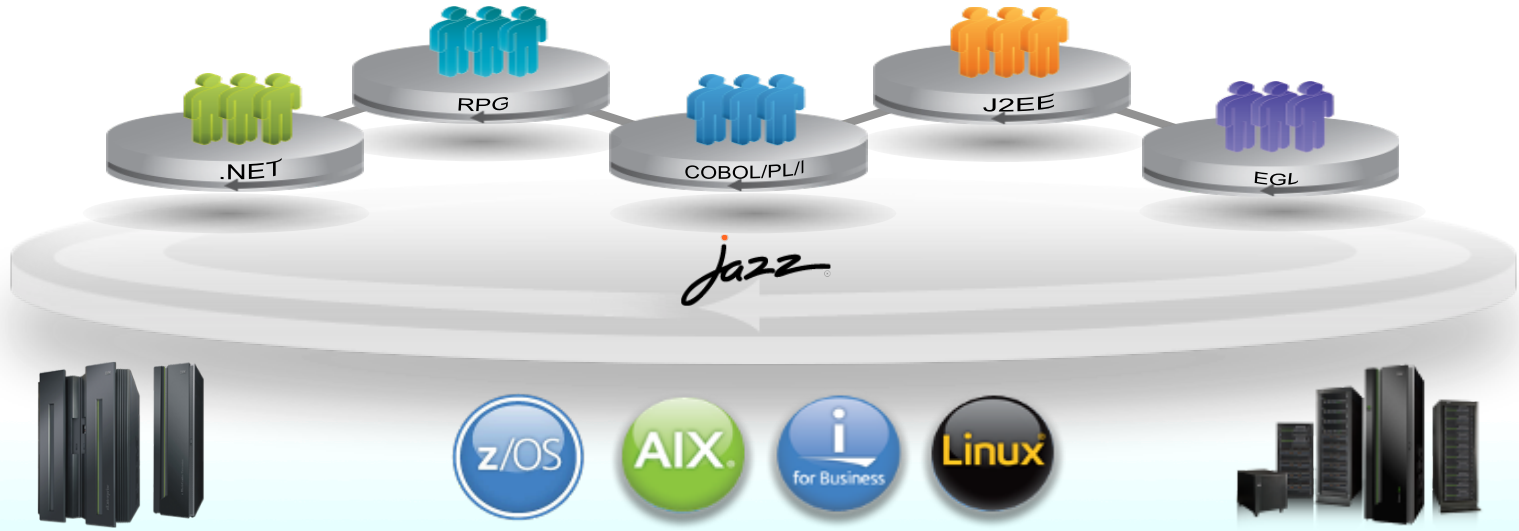
Developers

Architects

Release Engineers

Rational Team Concert v3.0.1

Unify dispersed teams, gain efficiency and productivity



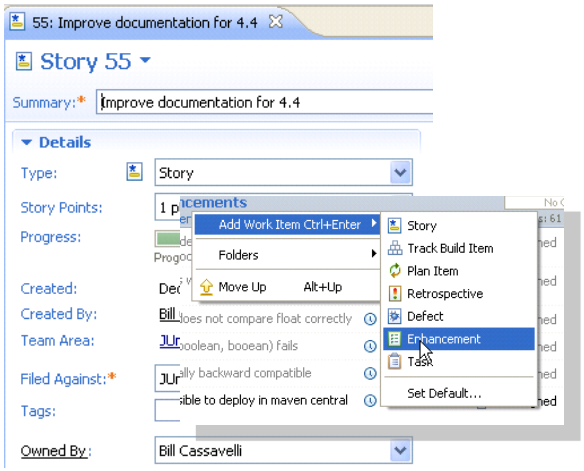
- ✓ Common team infrastructure for collaborative software delivery
- ✓ Streamline development by coexisting or replacing Endevor or ChangeMan

Delivering…

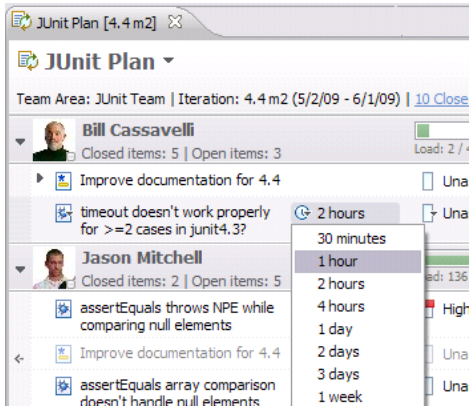
- Single integrated platform for managing delivery of multiplatform projects
- New support for advanced dependency analysis and build capabilities for z/OS
- New integrated ISPF client for z/OS source edit, compile and debug

Rational Team Concert – A single tool, many uses

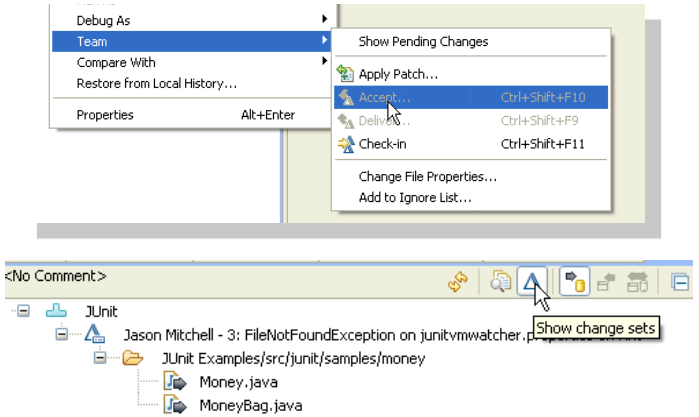
- Work Items



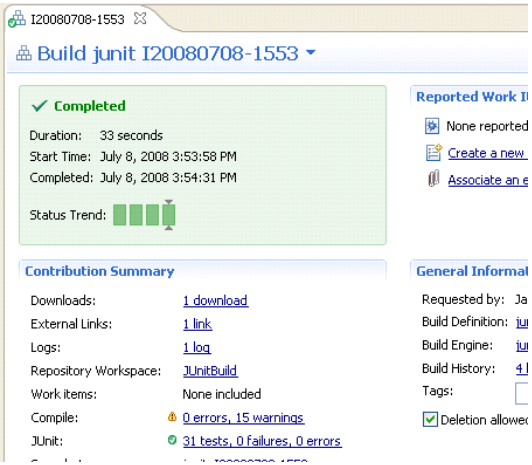
- Planning



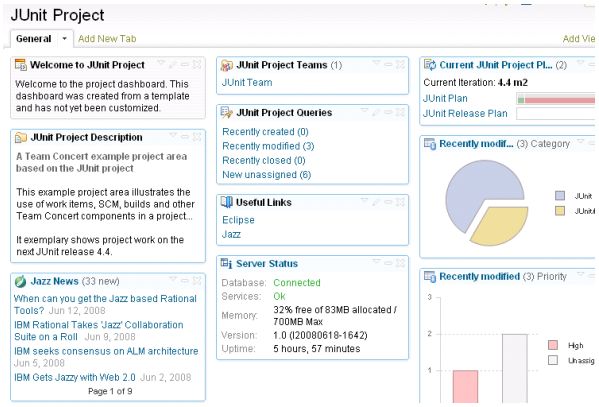
- Source Control



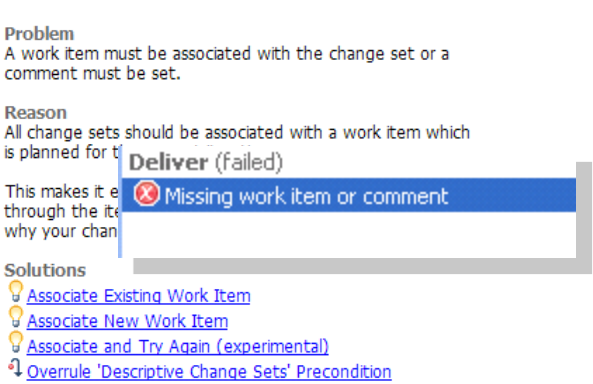
- Builds – Continuous Integration



- Dashboards & Reporting



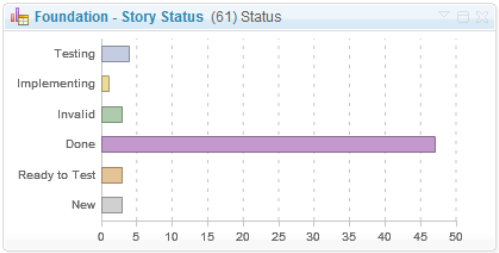
- Method Enforcement and Automation

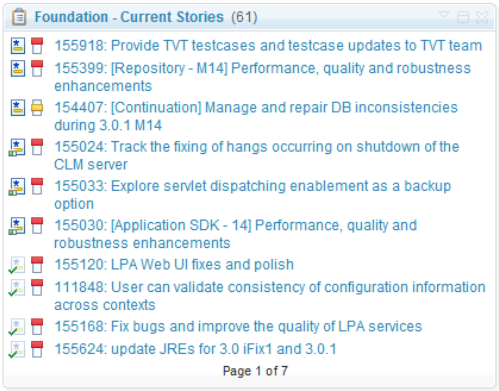


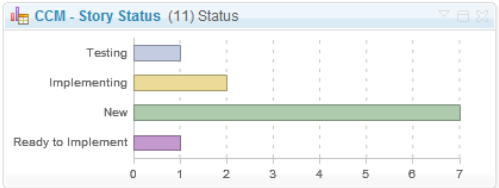
Progress Tracking - Everyone can see live project status

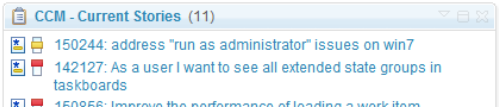
Story Status Current Iteration

Shows the status of all stories planned for the current iteration



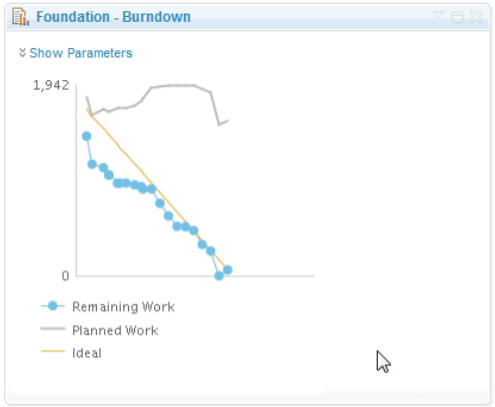


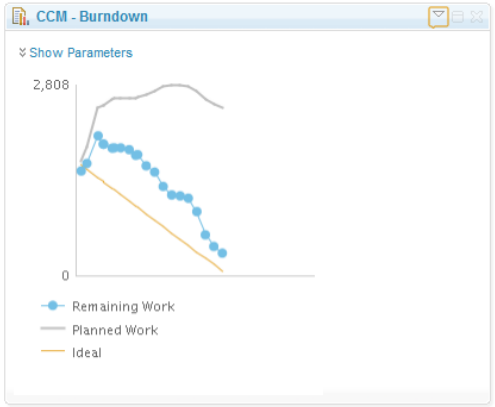




Burndown Current Iteration

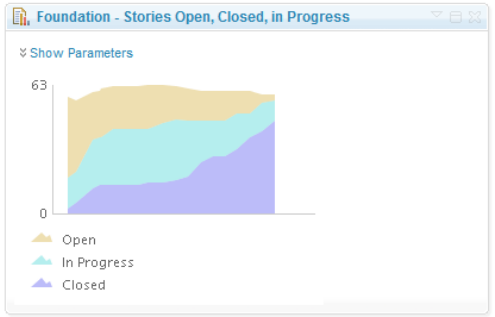
Shows the remaining amount of estimated work in hours of work items planned for the current iteration.

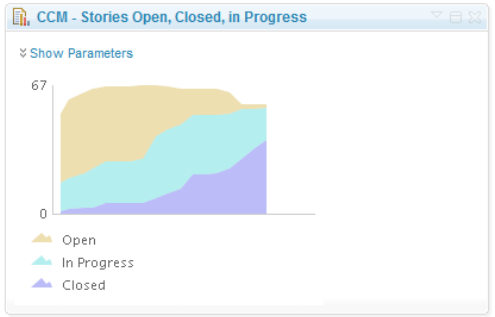


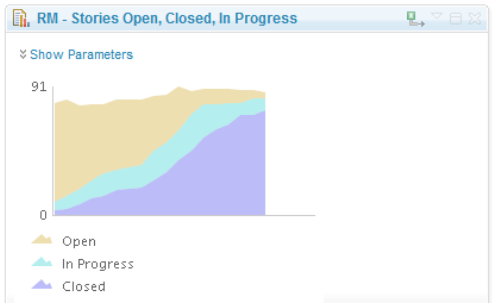


Stories Open/Closed/In Progress

Shows the number of stories which are open, in progress, done during the iteration.







ISPF ‘Green Screen’ Client

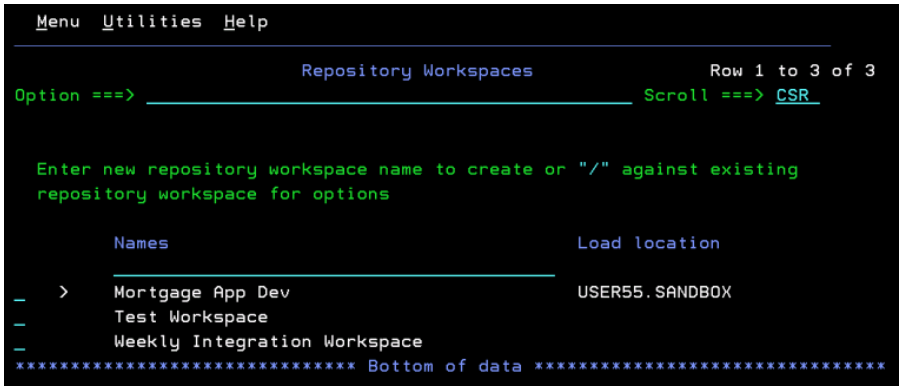
Full Function SCM Client

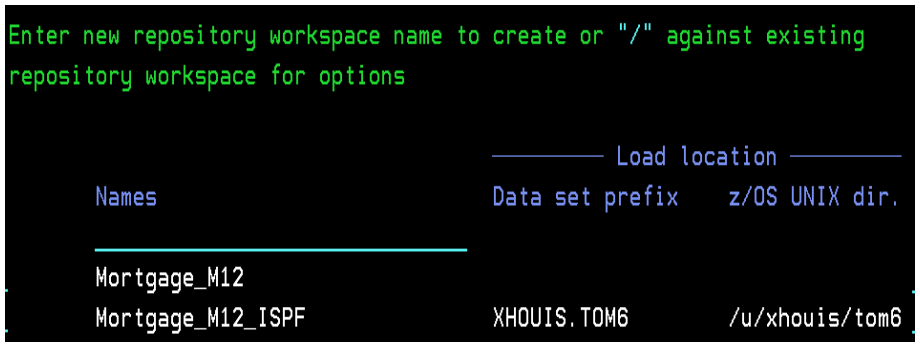
- Users can check out/check in code to native z/OS file system
- Providing value add of RTC SCM
- Repository Workspaces, change sets, link to work items, build requests
- Linking to Work items though list
- Ability to access and edit files in z/OS UNIX directories (HFS)
- User experience consistent with 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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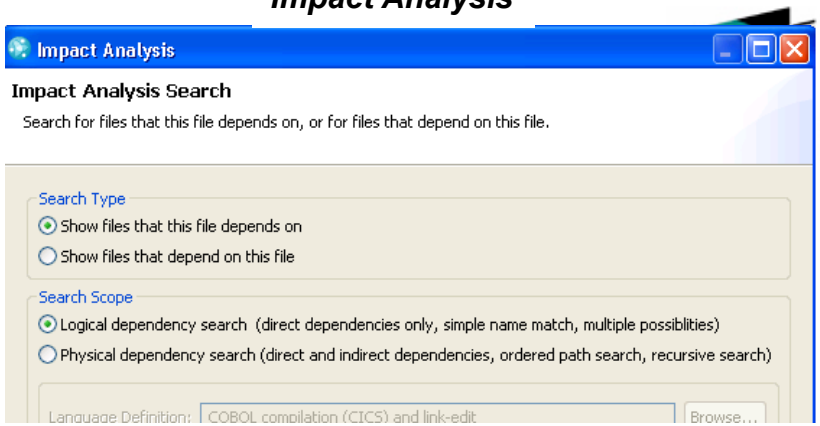
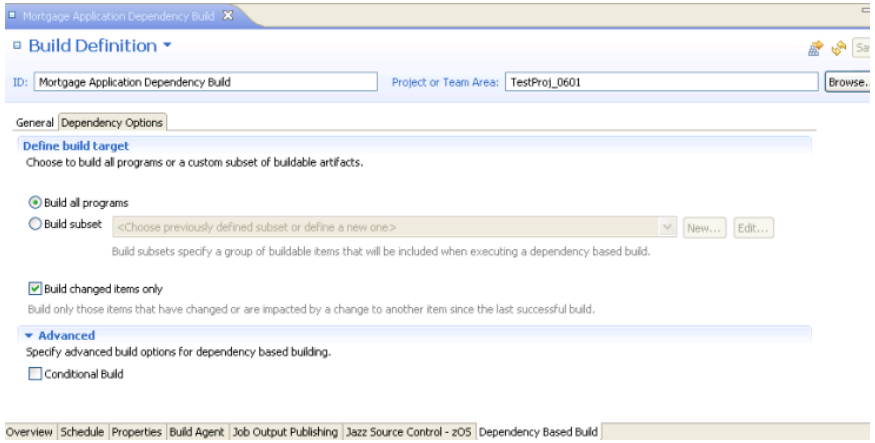
Dependency Based Build

- Dependency Based Build
- Logical Dependency data is captured from source stored in the SCM
- Providing Access to the Meta Data
- Build Preview

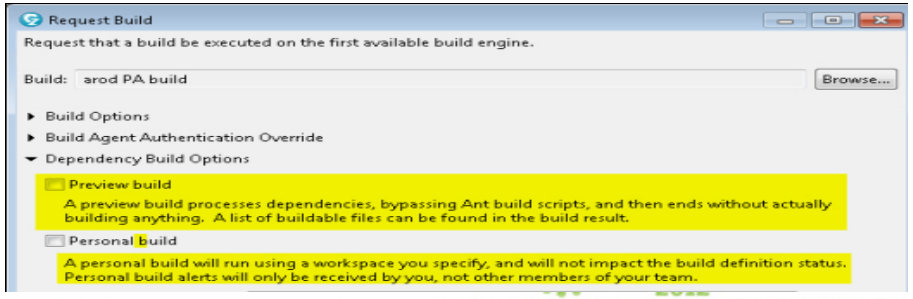
Impact Analysis



Dependency based build

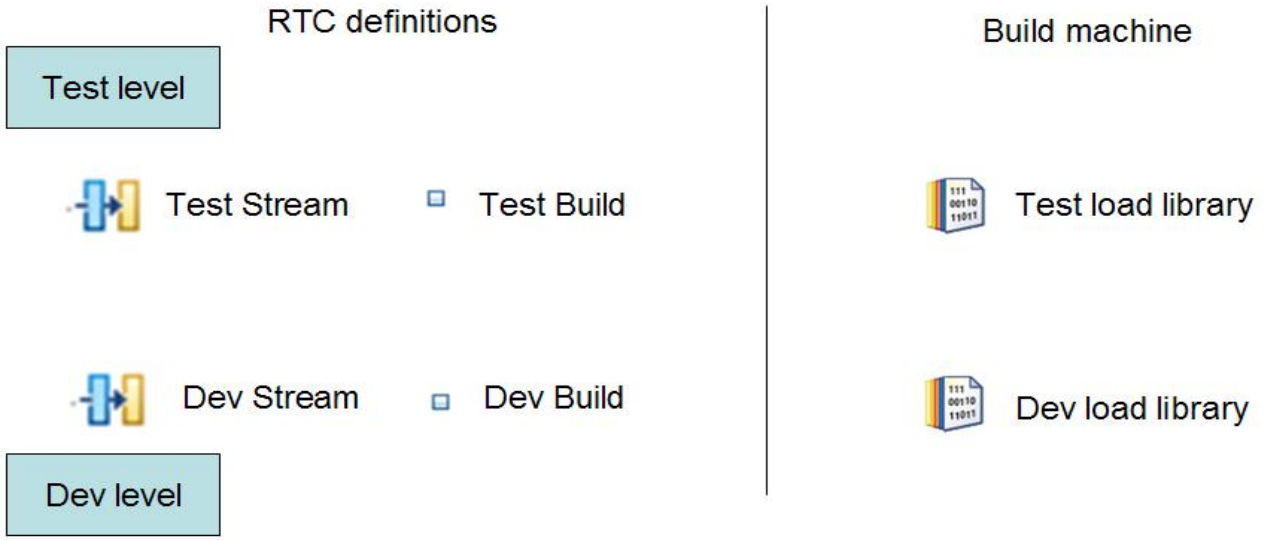


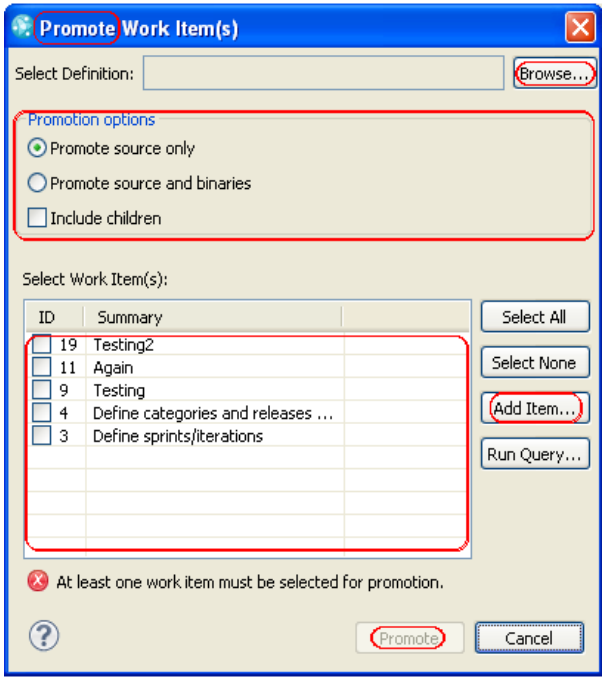
Build preview



Promotion

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



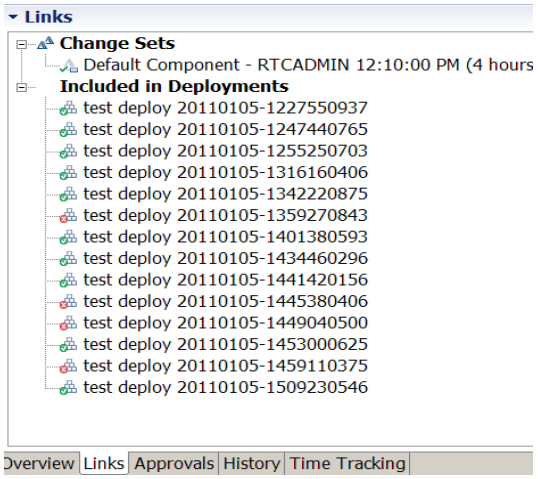


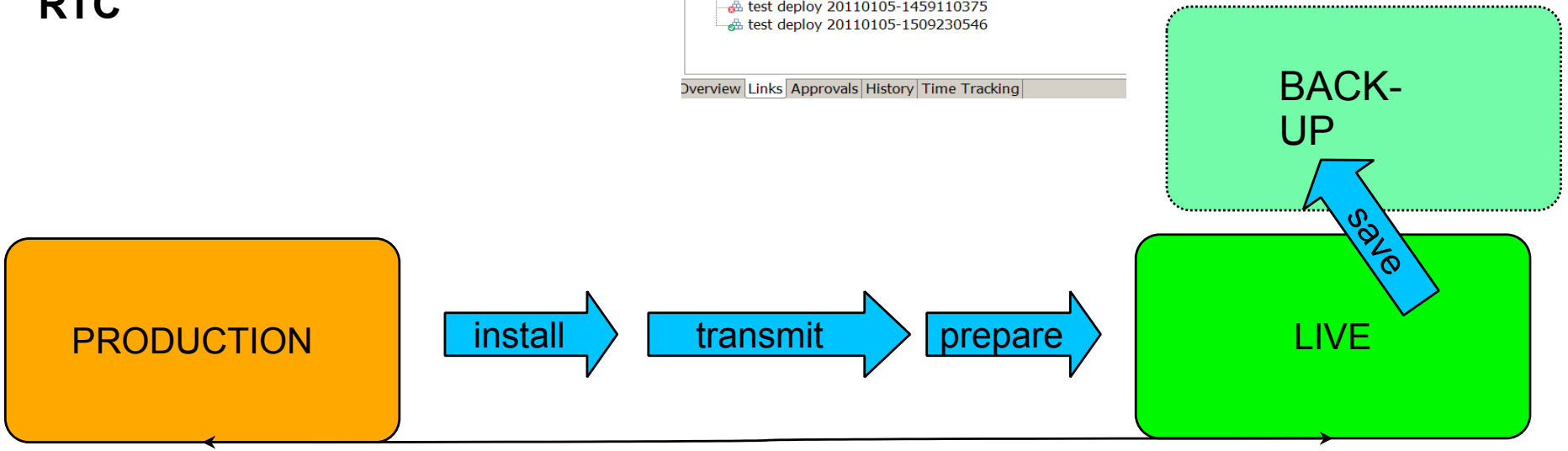
- Promote source, build output, and related meta data together
- Work Item based Promotion
- Full audit trail

Deployment

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

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





Traceability

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 options

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

For demos of ISPF client and IEP extensions…

- **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**

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