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

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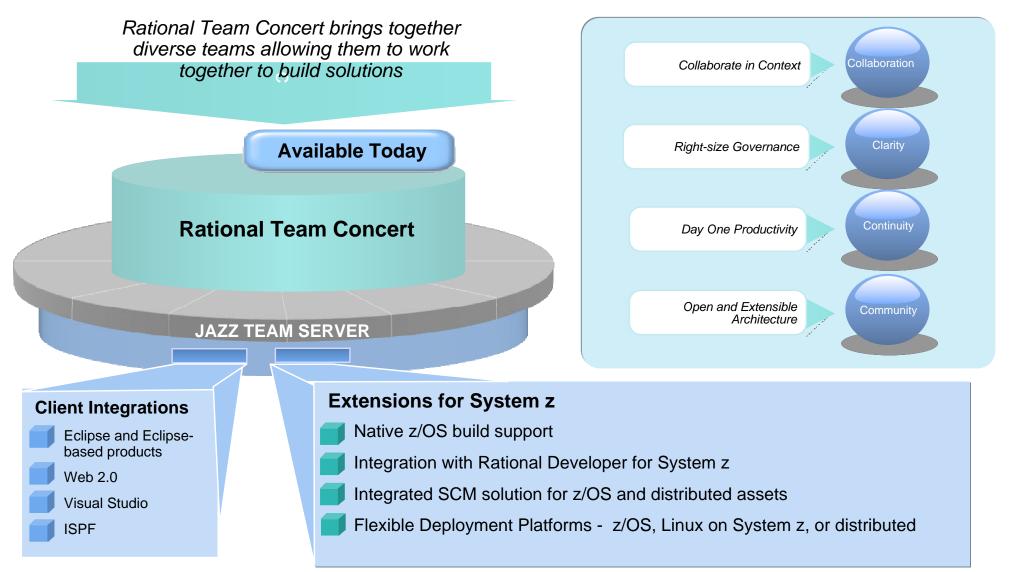
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Rational Team Concert



*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 Window
- Context aware-search





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





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ISPF SCM Client

<u>M</u> enu	<u>U</u> tilities <u>H</u> elp	
Option	Repository Workspaces	Row 1 to 3 of 3 Scroll ===> <u>CSR</u>
	new repository workspace name to create of itory workspace for options Names	r "/" against existing Load location
-	Mortgage App Dev Test Workspace Weekly Integration Workspace	USER55.SANDBOX

Mortgage_M12 Mortgage_M12_ISPF	XHOUIS.TOM6	/u/xhouis/tom6
Names	———— Load loc Data set prefix	
Enter new repository workspace name t repository workspace for options	o create or "/" agai	nst existing.







www.ibm.com/software/rational



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

NFW

Impact Analysis

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💀 Impact Analysis

Impact Analysis Search

Search for files that this file depends on, or for files that depend on this file.

Search Type

Show files that this file depends on
 Show files that depend on this file

Search Scope

• Logical dependency search (direct dependencies only, simple name match, multiple possiblities)

OPhysical dependency search (direct and indirect dependencies, ordered path search, recursive search)

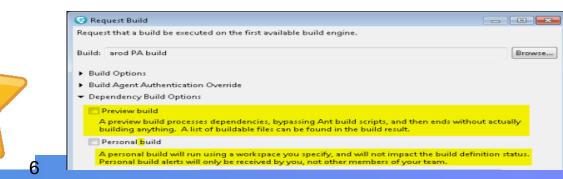
nguage Definition: COBOL compilation (CICS) and link-edit

Dependency based build

Build Defi	inition *		
Mortgage App	Dication Dependency Build Project or Team Area: Test	Proj_0601	
eneral Depender	ncy Options		
Define build tar Choose to build a	rget all programs or a custom subset of buildable artifacts.		
	ai programs un a custom souser, un pointable archards.		
🖲 Build all prog			
	rams		New
Build all program	rams		New
Build all program	rams CChoose previously defined subset or define a new one> Build subsets specify a group of buildable items that will be included when executing a d		New
 Build all progr Build subset Build changed 	rams CChoose previously defined subset or define a new one> Build subsets specify a group of buildable items that will be included when executing a d	lependency based build.	New) [Edit]
Build all prog Build subset Build change Build only those Advanced	rams CChoose previously defined subset or define a new one> Build subsets specify a group of buildable items that will be included when executing a d ditems only	lependency based build.	New] [Edt]

Overview Schedule Properties Build Agent Job Output Publishing Jazz Source Control - 205 Dependency Based Build

Build preview



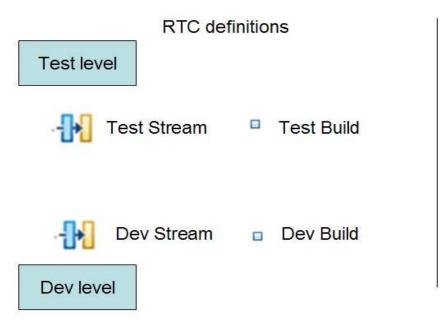
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Promotion Move applications through the stages of lifecycle to Ensure consistency - Minimize rebuilding

Build machine

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

Test load library	Repromote Work Item(s)	
received instally	Select Definition:	Browse)
Dev load library	Promotion options Promote source only Promote source and binaries Include children Select Work Item(s):	
data	ID Summary 19 Testing2 11 Again 9 Testing 4 Define categories and releases 3 Define sprints/iterations	Select All Select None (Add Item) Run Query
	At least one work item must be selected for promotion. Promote	Cancel

NEW !

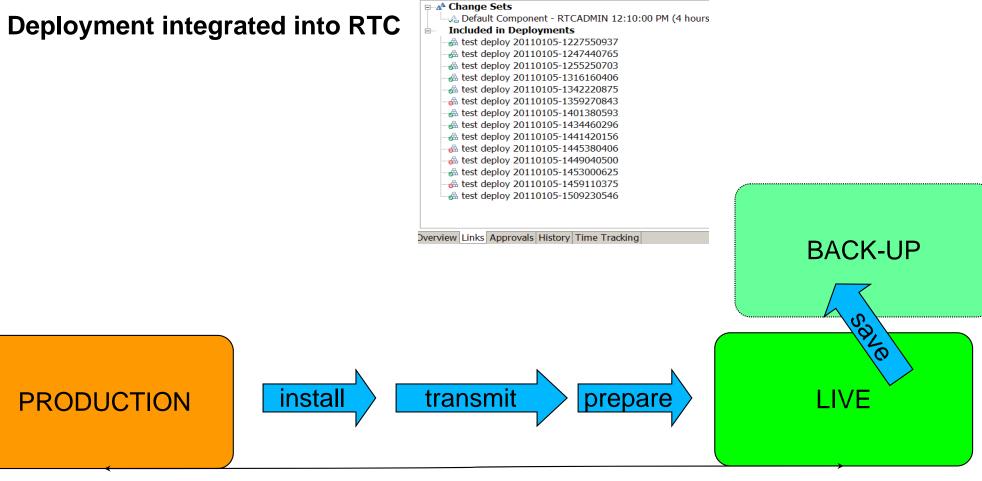




Deployment Move applications to the Live environment (Test or Production) with control, consistency and traceability.

Links

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

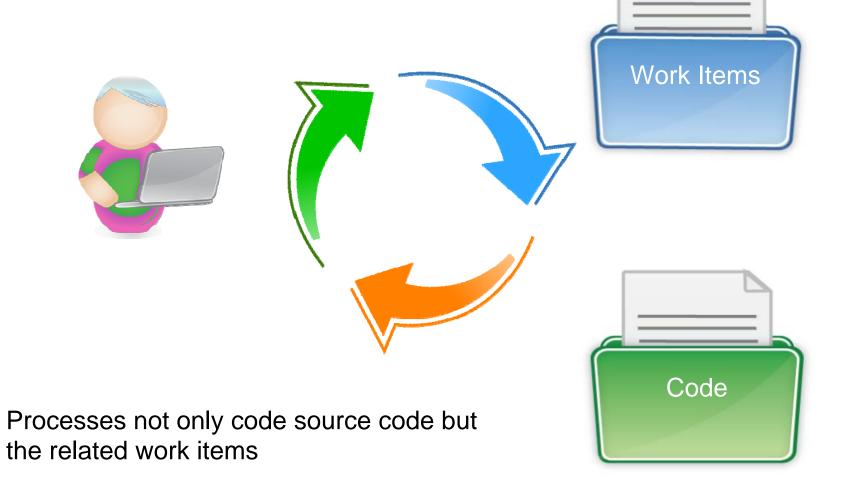


Traceability



Context Aware Searching

Search with an understanding of processing programming languages



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



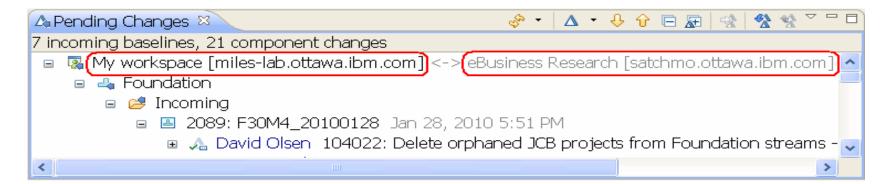


Enterprise Enhancements

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 option





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
 - <u>RTC Announcement Letter</u>



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For demos of ISPF client and IEP extensions...

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



