# **IBM Rational Day**

Jeudi 25 octobre 2012 - 8h30 à 17h00, Pullman Bercy

Les nouveautés de Rational Team Concert pour le System z (4.0 and 4.0.1)

session EM 3

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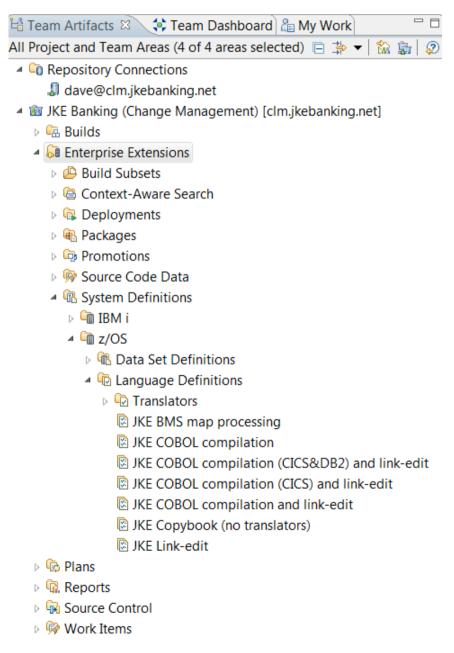
# Agenda

- Introduction to Enterprise Extensions
- Dependency build
- Promotion
- Deployment
- RDz Integration





# Rational Team Concert Enterprise Extensions



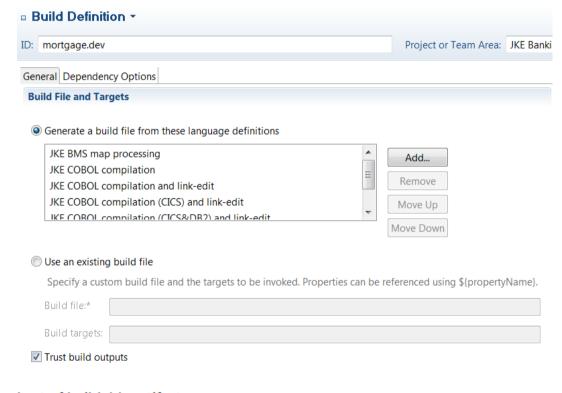
- Dependency Build
- Promotion
- Deployment
- ISPF Client
- Integration with Rational Developer for System z
- Integration with Rational Developer for IBM i





# **Dependency Build**

- Build changed and impacted programs only
- Options:
  - -Build subsets
  - -Personal build
  - –Preview build
  - -Ignore changes
  - -Rebuild



Choose to build all programs or a custom subset of buildable artifacts.

Build workspace

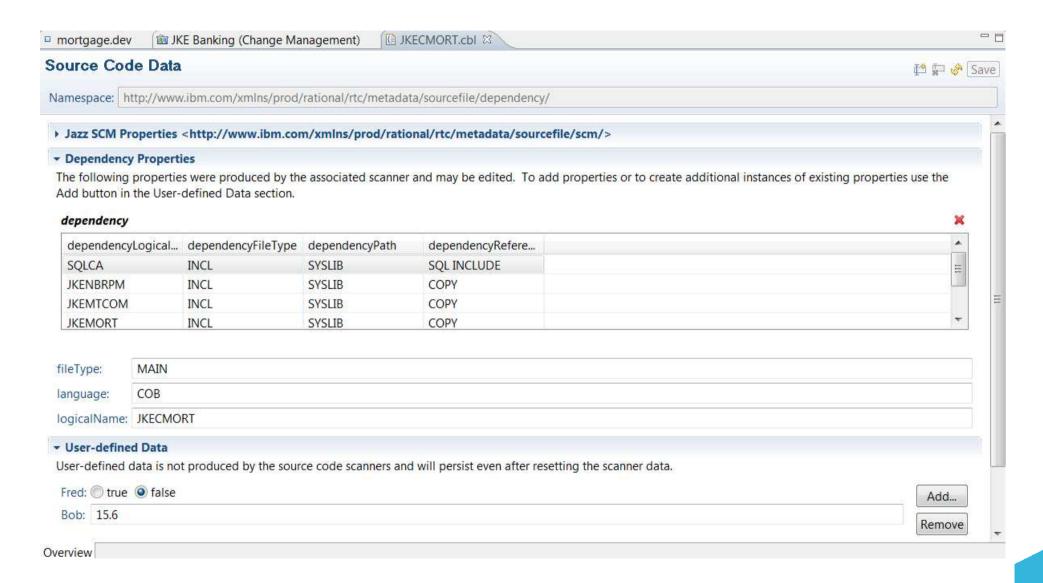
Build subset JKECSMRD Browse...

Build changed items only





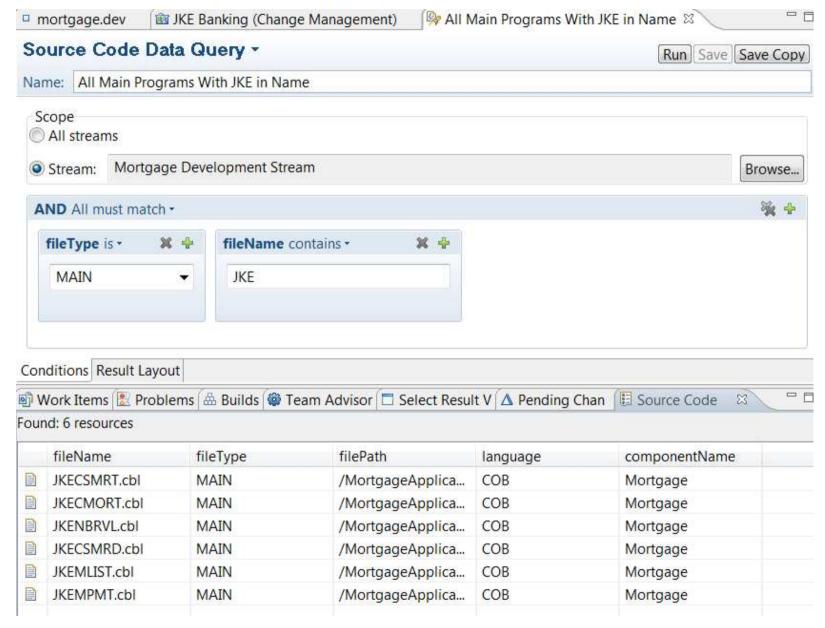
### Source Code Data





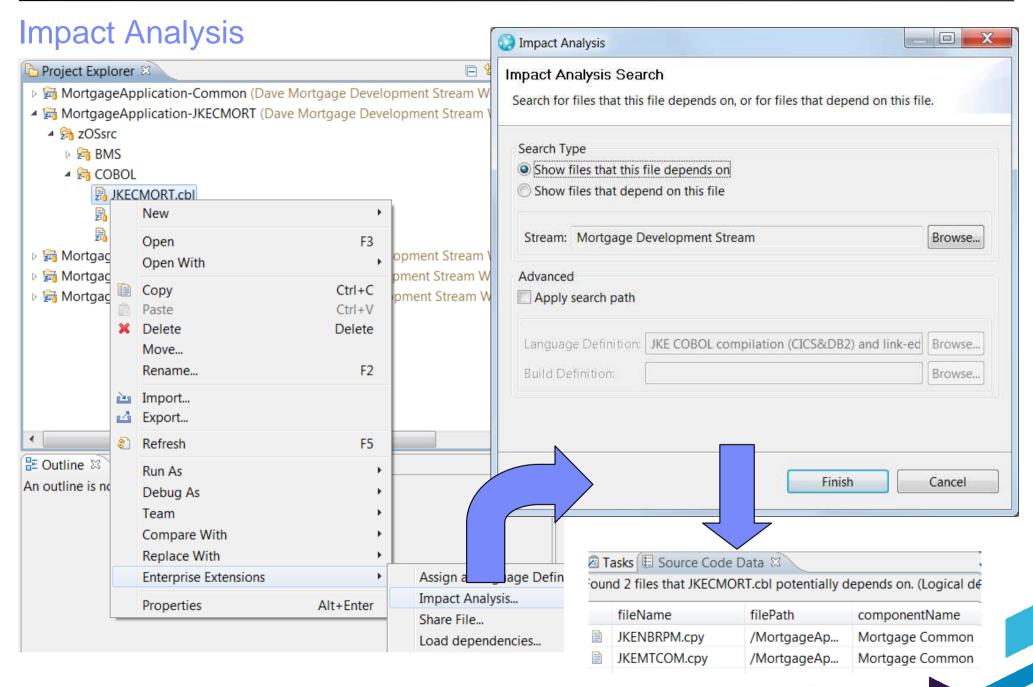


# Source Code Data Query Editor







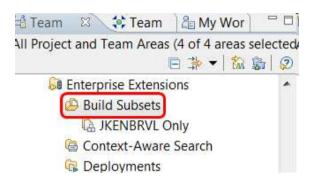




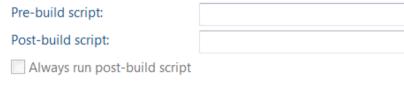


### Dependency Build - What's New!

Build subsets are first class objects

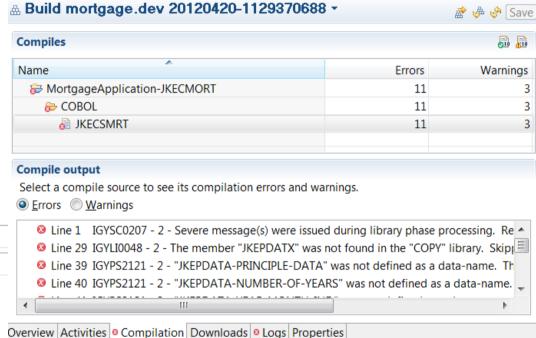


Pre and post-build script support



Build reports for non-preview builds									
Component name: Mortgage									
Project	Source	Reason to build	Code	Language Definition	Output		Max Return Code		
MortgageApplication-JKEMPMT	RYEHLE.DEVRC2B.COBOL (JKEMPMT)	2	сов	JKE COBOL compilation and link-edit	RYEHLE.DEVRC2B.LOAD (JKEMPMT)	<b>5</b>	0		
MortgageApplication-JKECMORT	RYEHLE.DEVRC2B.COBOL (JKECSMRT)	2	сов	JKE COBOL compilation (CICS) and link-edit	RYEHLE.DEVRC2B.LOAD (JKECSMRT)	<b>5</b>	4		

#### Compiler output error/warning listings in build result







# Dependency Build – What's New!

### Advanced load options

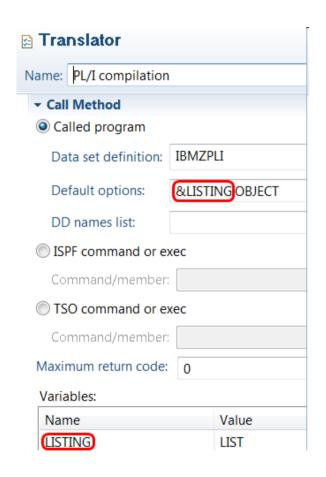
🛮 mortgage.dev 🖾		
Build Definit	ion *	
ID: mortgage.dev		Project or Team A
<b>Load Options</b>		
Specify file extract	tion details. Properties can be referenced using \${propertyName}.	
Load directory:*	\${directory.root}/dev	
Delete director	y before loading	
Resource prefix:*	RYEHLE.DEVRC2B	
Load workspac	e to the load directory at the beginning of the build.	
Load workspac	e to the resource with the resource prefix at the beginning of the build.	
Create folders	for components	
If only some of th	ne components in the workspace are to be built, exclude the ones that do not	t need to be loaded.
Components to e	xclude:	Select Clear
The components	to exclude will be available as the build property "team.enterprise.scm.load@	Components".
Select load rule f	iles describing how to load the build workspace.	
Load rules:		Select Clear
The load rules wi	II be available as the build property "team.enterprise.scm.componentLoadRu	iles".

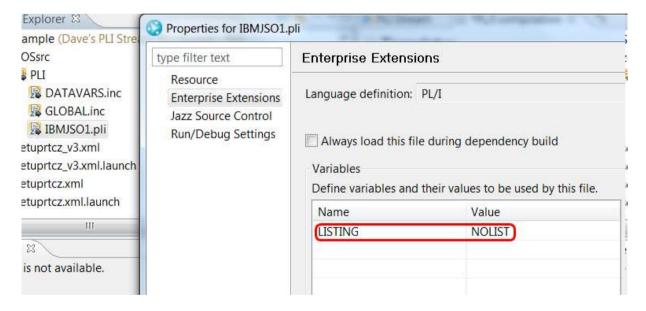




# Dependency Build - What's New!

#### Variable overrides



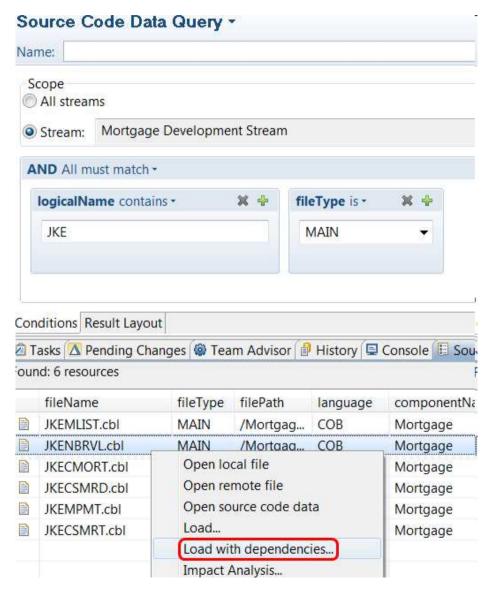






# Dependency Build - What's New!

Load with dependencies

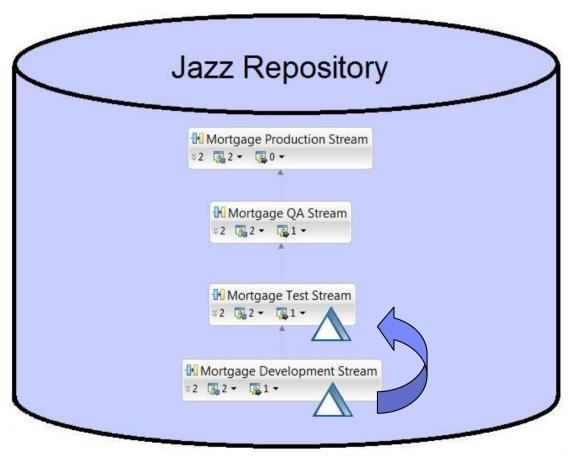


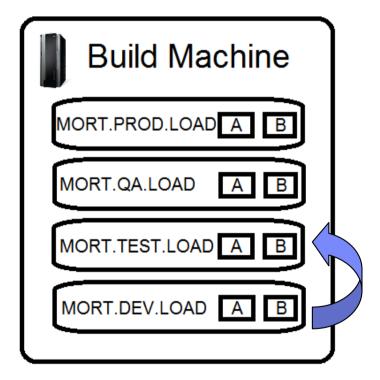




### **Promotion**

Flow source code changes and build outputs through the development hierarchy





Outputs

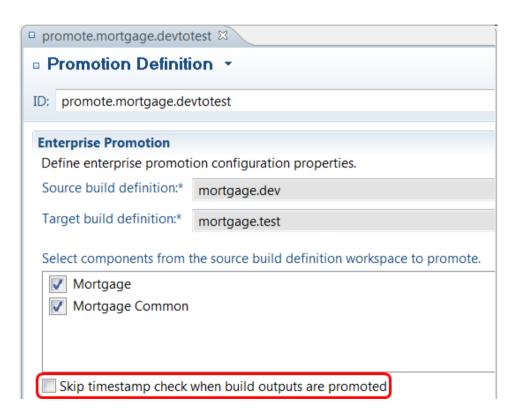






### Promotion – What's New!

Option to skip timestamp check during output promotion



Option to allow promotion of outputs built with backlevel or up-level inputs if delta state is nonimpacting

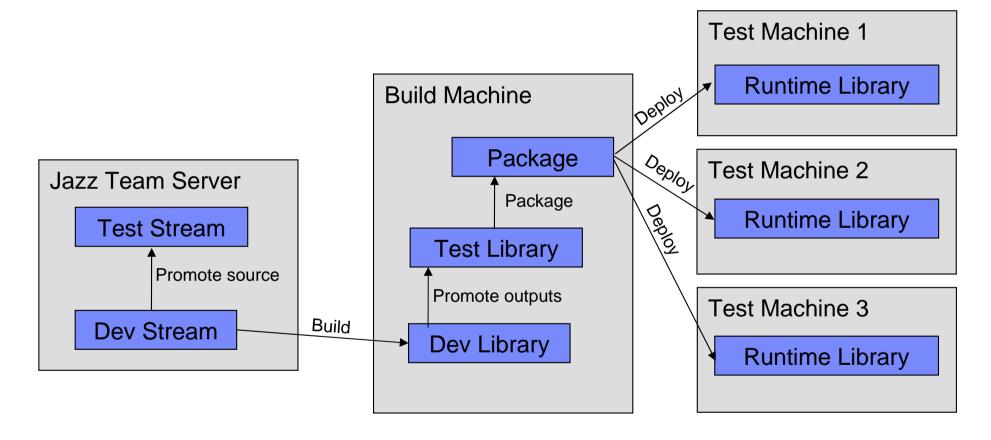
Promote Work Items					
Work Item Selection					
Select the work items to be promoted and specify any additional options.					
Definition: promote.mortgage.devtotest					
Promotion options					
Promote source and outputs					
Promote source only					
☐ Include children of selected work items					
Consider ignored changes					
Select Work Items:					
ID Summary					
▼ 75 Implement - Validate Loan Term and Amount					





# **Deployment**

Package build outputs and deploy to various runtimes



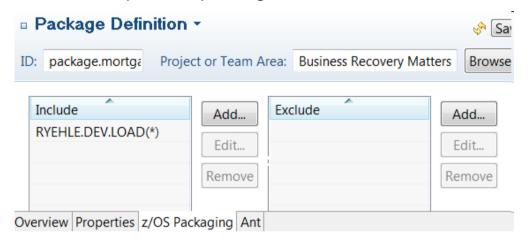




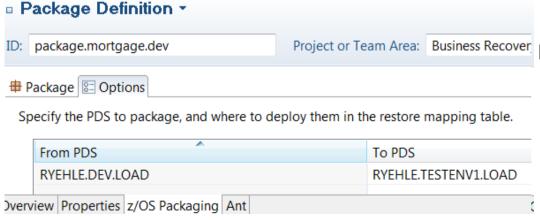
© 2012 IBM Corpo

### Deployment – What's New!

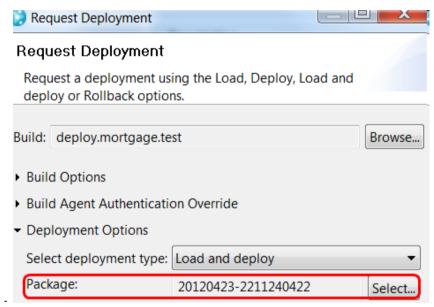
Create shiplists in package editor



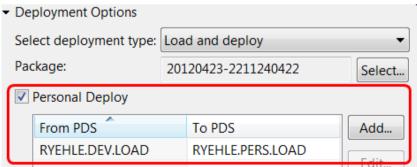
Create restore mapping file in package editor



#### Non-sequential deployment



#### Personal deployment

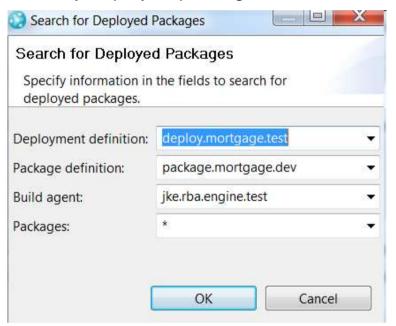




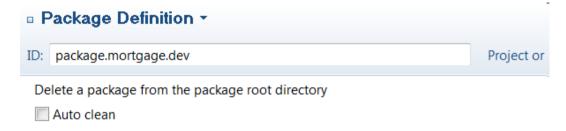


# Deployment – What's New!

#### Query deployed packages



#### Auto clean packages

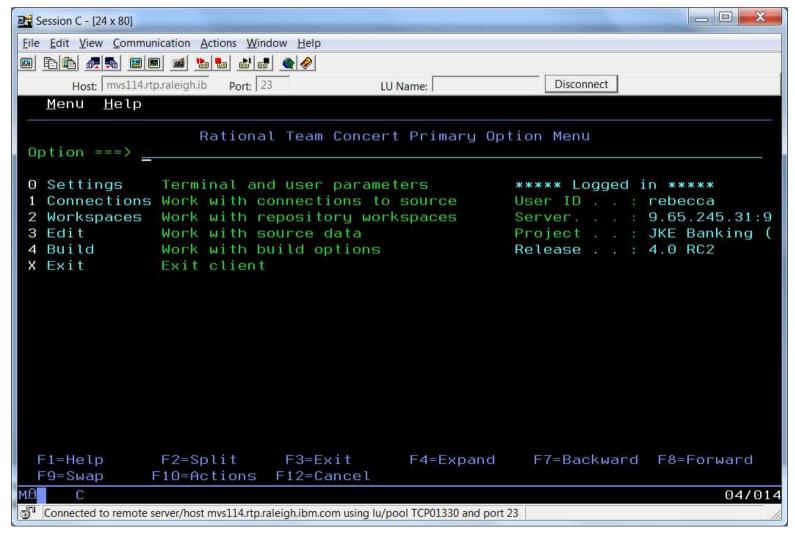






### **ISPF Client**

Full function SCM client







### ISPF Client – What's New!

Conflict resolution: compare and merge

```
RYEHLE.REB.COBOL(JKENBRVL) - 01.01
                                                            Changes are shown
=NOTE= Lines which exist only in the local file are shown with a label on the
=NOTE= line , for example .OAAAA. Lines which exist only in the remote file are
=NOTE= shown as information lines (=====) and are shown in white.
                                       - - - - 37 Line(s) not Displaued
000038
                    05 FILLER
                                                PIC 99 VALUE 5.
                                               PIC X(80)
000039
                    05 FILLER
000040
                    VALUE 'ZERO OR LESS MONTHS'.
                    05 FILLER
                                               PIC 99 VALUE 6.
000041
                                               PIC X(80)
000042
                    05 FILLER
                    VALUE 'LOAN YEARS MUST BE 10, 20, 30 OR 40'.
                    VALUE ' '.
AAAAO.
```

Create work items for change sets

```
— New Change Set
Enter "*" in Work Item field to list available work items
Work Item . . _____
Comment . . .
Command - Enter "/" to select action
  Create work item
        F2=Split F3=Exit F4=Expand
 F1=Help
                                                  F7=Backward
 F8=Forward F9=Swap
                         F10=Actions
                                     F12=Cancel
```





### ISPF Client – What's New!

Sparse loading: project, folder, and file level

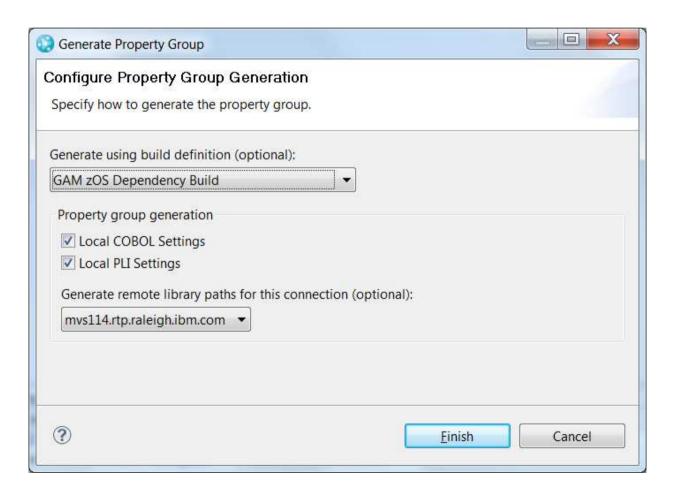
```
Load Component List Actions
Component Mortgage
Load Component Action
  1. Select zComponent projects
   2. Search for zFile/member
   3. Load all component's files
Select a choice and press ENTER to process action.
```

```
Search for zFiles or Files
Repository Workspace : Rebecca's
Stream . . . . . : Mortgage Development Stream
Component . . . . . : Mortgage
zComponent project . : *
zComponent Specification
zFolder/Type . . . . . <u>COBOL</u>
zFile/Member . . . . <u>JKE</u>*
General Specification (Overrides zComponent Specification)
Folder/File pattern . . _____
```



# Integration with Rational Developer for System z – What's New!

Generate property groups for your local project and option to specify remote path



### RTC 4.0.1 .... 4Q 2012

We are currently wrapping up the 4.0.1 RTC release.

This is functionally a small release while the development teams experienced and learnt from working in the new 8 week cadence environment.

8 week cadence is the next step on our Agile development process journey.

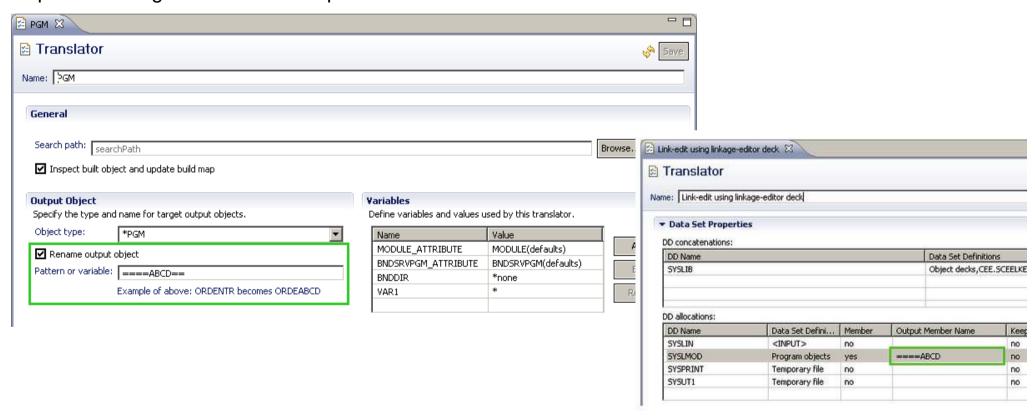
Learn more about how we are approaching development of the RTC product by visiting https://jazz.net/wiki/bin/view/Main/RTCContinuousDeliveryPlanning

The following slides briefly describe the functionality improvements made to the EE functionality in this upcoming 4.0.1 release

# Dependency Build – What's New in 4.0.1

#### **Override Translator Output Names**

In the translator editor, you now can specify a pattern or a variable to override the names of the outputs. During a dependency build for z/OS and IBM i, the pattern will be applied to the input name to generate a new output name.



### ISPF Client – What's New in 4.0.1

Build result management in ISPF client

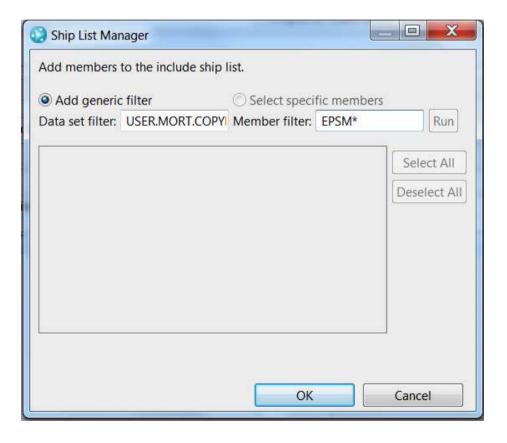
You can now use the ISPF client to abandon a build, cancel a pending build request, delete build results, and view the log files for a build.

```
Build Result List Actions
                                                           More:
Build Result : zOS.integration.dependency 20120905-1030390953
Build Result Action
   1. Rebuild
   2. Abandon Build
   3. Cancel Build Request
   4. Delete Build Result
   5. View Build Log Files
               F2=Split
                             F3=Exit
                                                          F8=Forward
 F1=Help
                                            F7=Backward
              F12=Cancel
 F9=Swap
```

### Deployment – What's New in 4.0.1

z/OS Ship List Member Filters With Partial Member Filter and Wildcard

In the Package Definition for z/OS, the Ship List Manager dialog has the new ability to add a generic member filter with a partial member name and wildcard. All members matching the specified filter will be packaged.





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Last Updated: March, 21st 2012