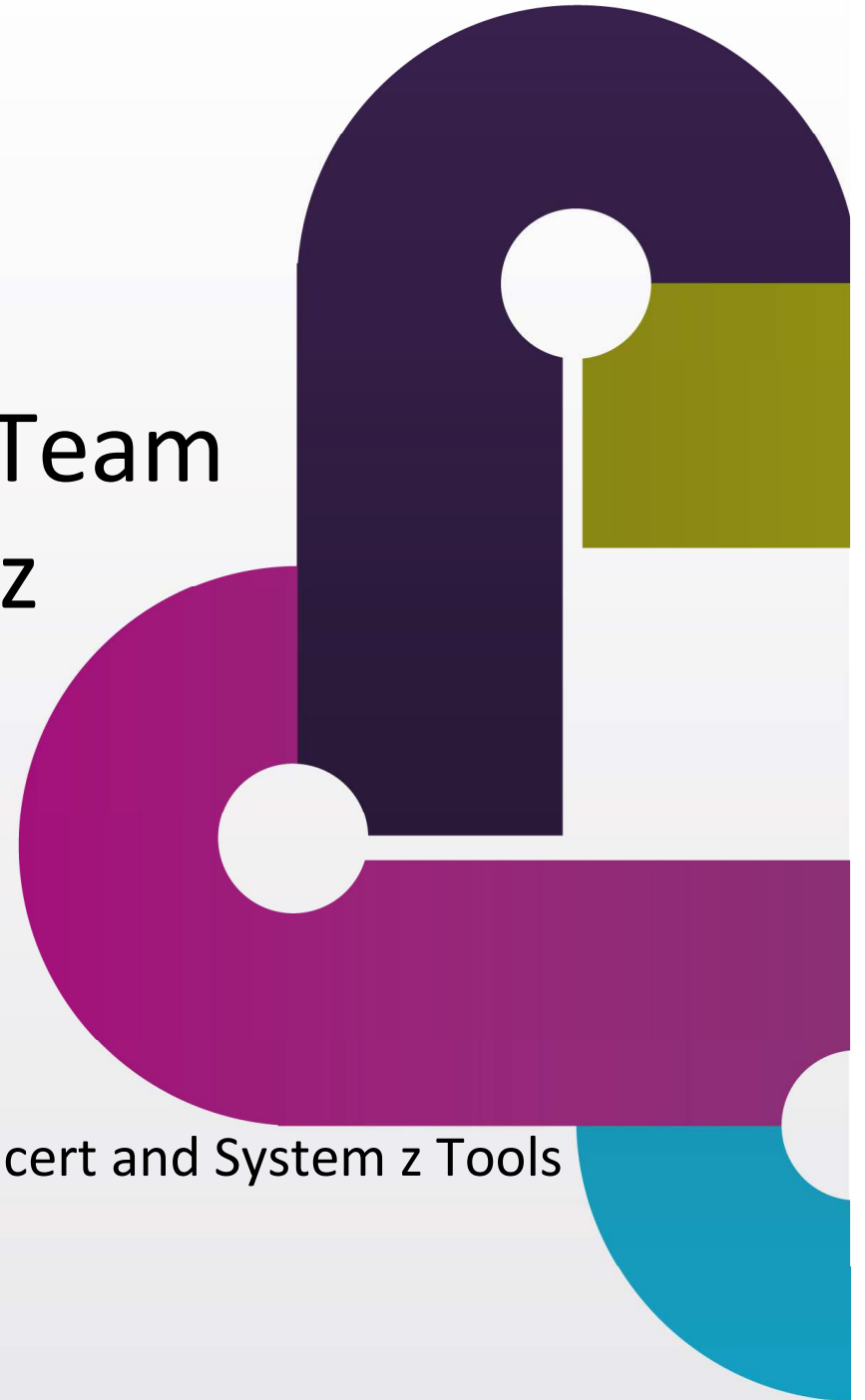# IBM Rational Day

**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
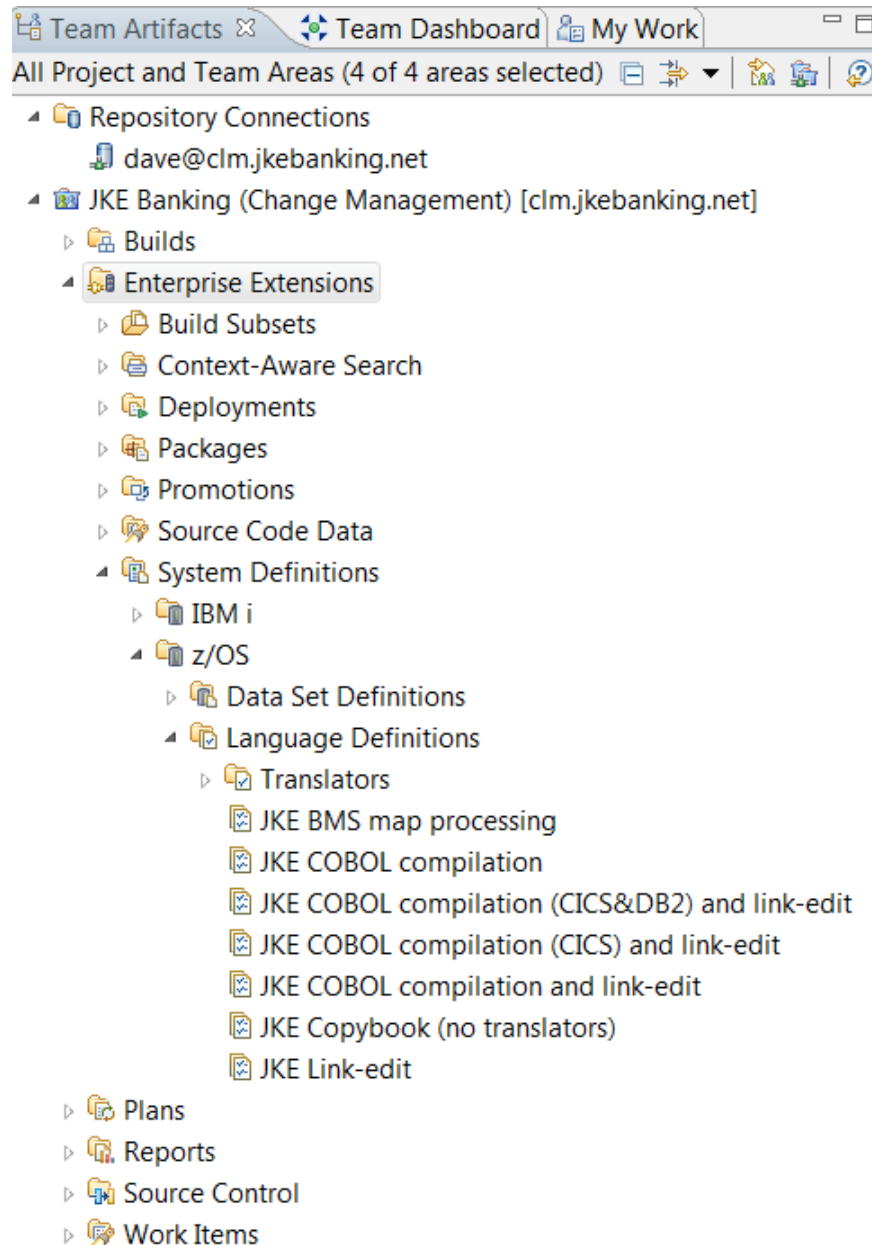
- **Dependency Build**

- **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

Source Code Data

Source Code Data Query Editor

Impact Analysis

Dependency Build – What's New!

- **Build subsets are first class objects**

- **Compiler output error/warning listings in build result**
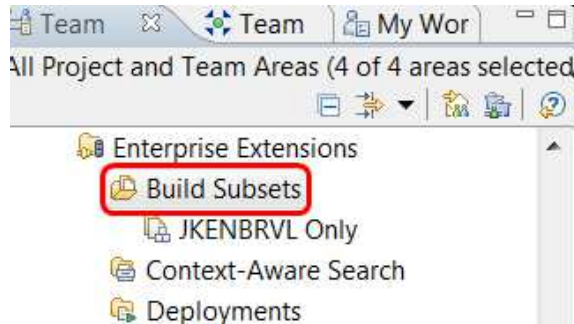
- **Pre and post-build script support**

Pre-build script:

Post-build script:

☐ Always run post-build script

- **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	COB	JKE COBOL compilation and link-edit	RYEHLE.DEVRC2B.LOAD (JKEMPMT)	0
MortgageApplication-JKECMORT	RYEHLE.DEVRC2B.COBOL (JKECSMRT)	2	COB	JKE COBOL compilation (CICS) and link-edit	RYEHLE.DEVRC2B.LOAD (JKECSMRT)	4

Next NOW!

Dependency Build – What's New!

- Advanced load options

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

Source
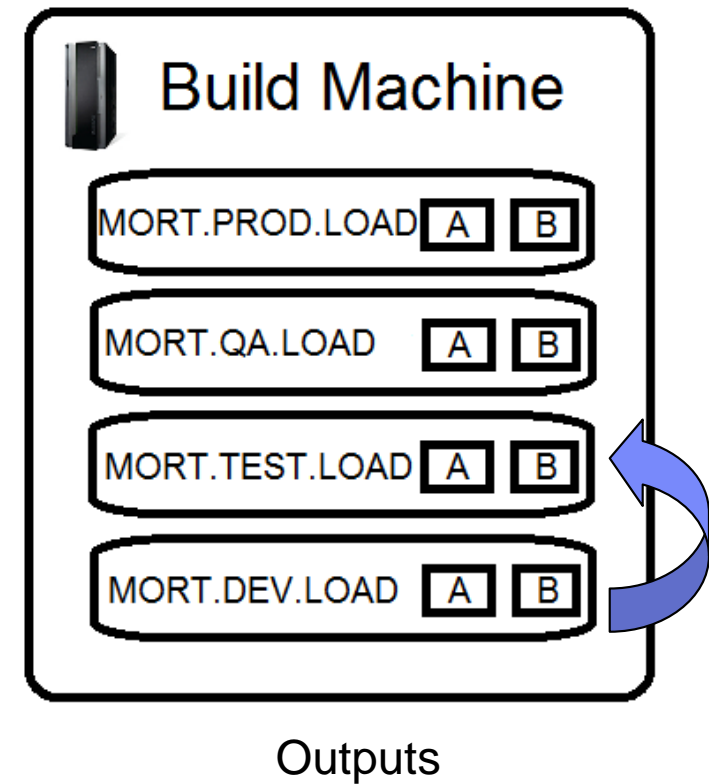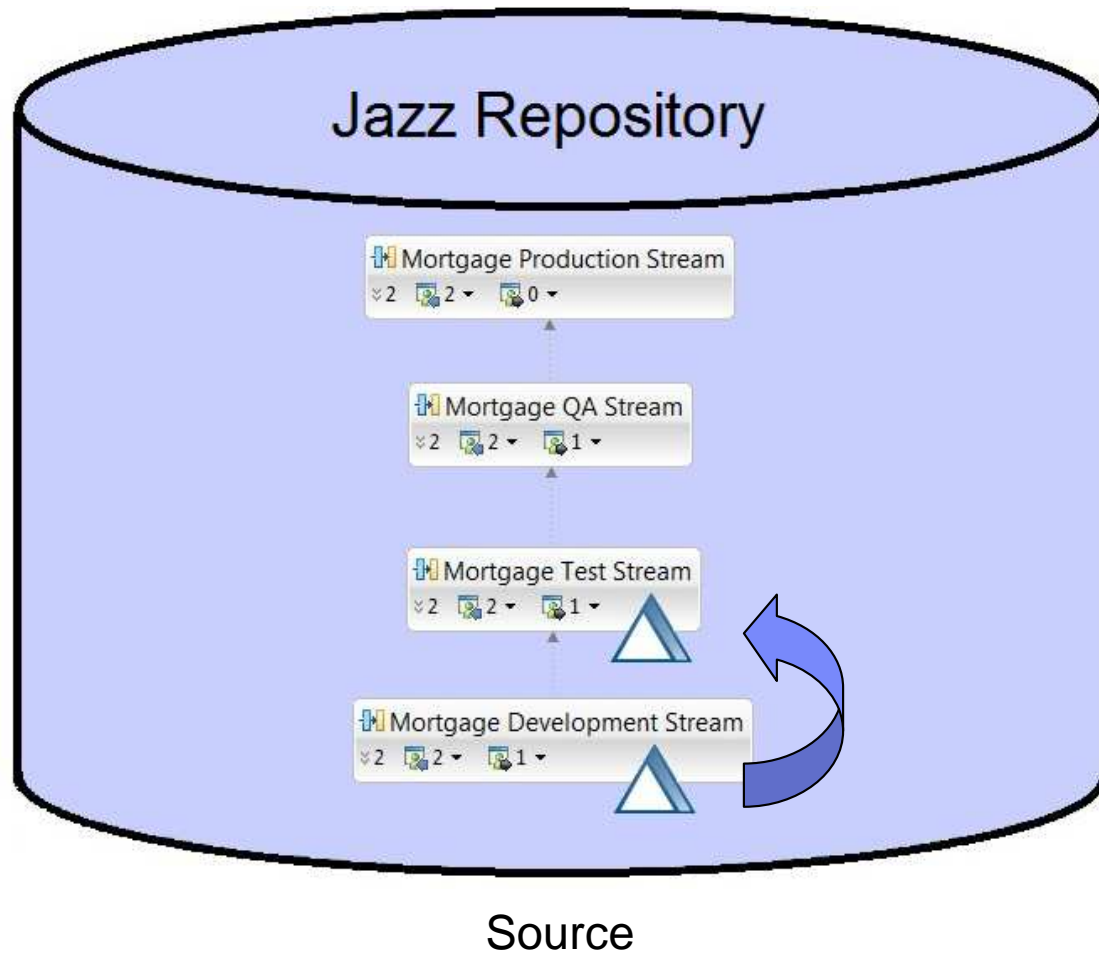
Outputs

Promotion – What's New!

- Option to skip timestamp check during output promotion

Option to allow promotion of outputs built with back-level or up-level inputs if delta state is non-impacting

Deployment

- Package build outputs and deploy to various runtimes
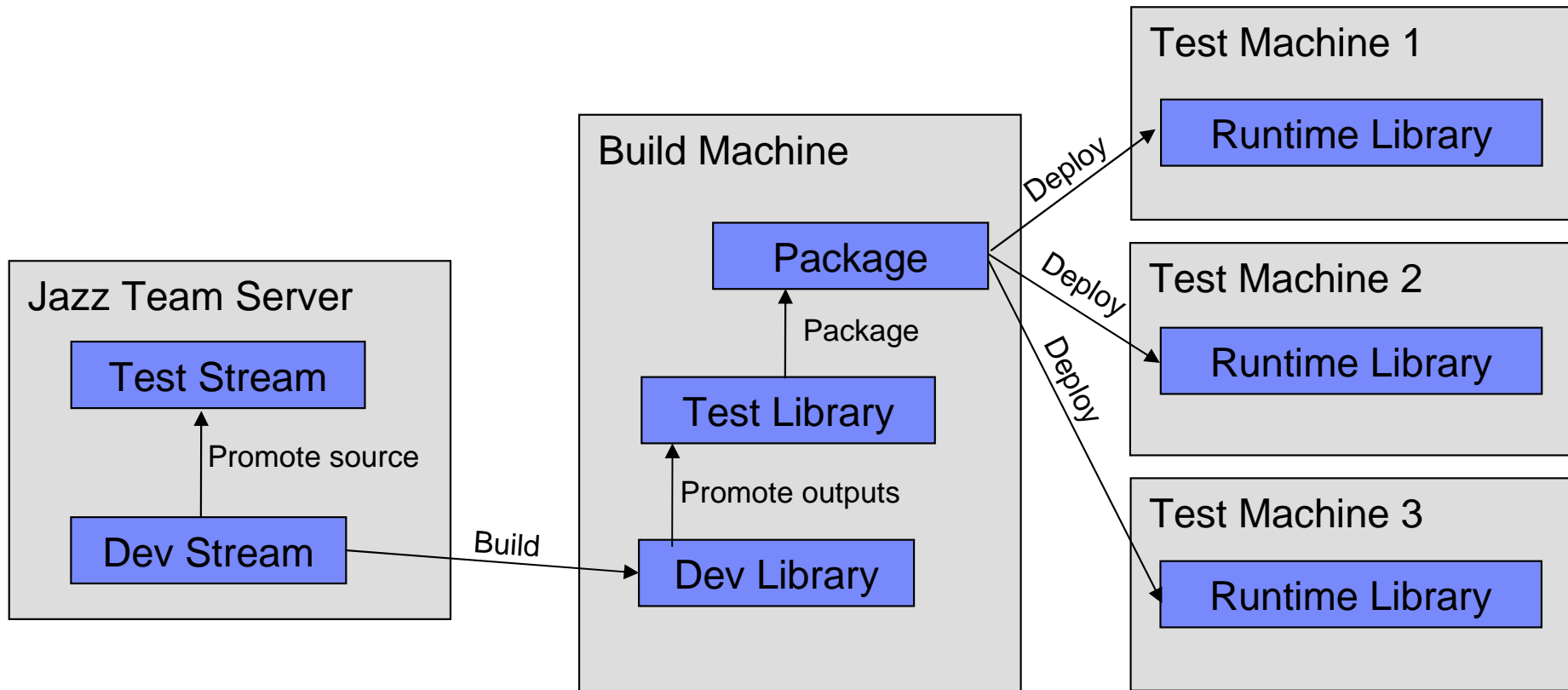
Deployment – What's New!

- **Create shiplists in package editor**

Package Definition ▾

Sav

ID: package.mortga | Project or Team Area: Business Recovery Matters | Browse

Include		Exclude	
RYEHLE.DEV.LOAD(*)	Add...		Add...
	Edit...		Edit...
	Remove		Remove

Overview | Properties | z/OS Packaging | Ant

- **Create restore mapping file in package editor**

Package Definition ▾

ID: package.mortgage.dev | Project or Team Area: Business Recover

⊞ Package | ▤ Options

Specify the PDS to package, and where to deploy them in the restore mapping table.

From PDS	To PDS
RYEHLE.DEV.LOAD	RYEHLE.TESTENV1.LOAD

Overview | Properties | z/OS Packaging | Ant

Non-sequential deployment

Request Deployment

Request Deployment

Request a deployment using the Load, Deploy, Load and deploy or Rollback options.

Build: deploy.mortgage.test | Browse...

▸ Build Options

▸ Build Agent Authentication Override

▾ Deployment Options

Select deployment type: Load and deploy

Package: 20120423-2211240422 | Select...

Personal deployment

▾ Deployment Options

Select deployment type: Load and deploy

Package: 20120423-2211240422 | Select...

☑ Personal Deploy

From PDS	To PDS	
		Add...
RYEHLE.DEV.LOAD	RYEHLE.PERS.LOAD	Edit...

Next NOW!

Deployment – What's New!

▪ Query deployed packages
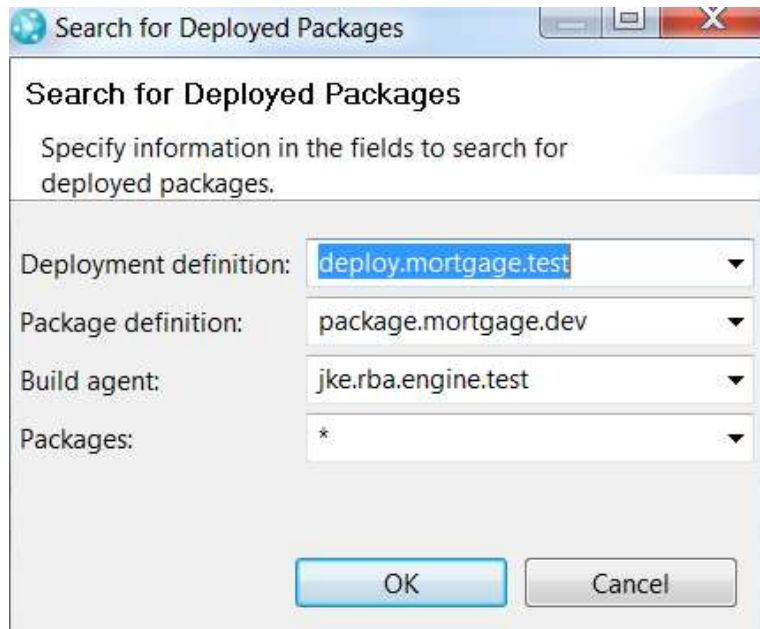
Auto clean packages
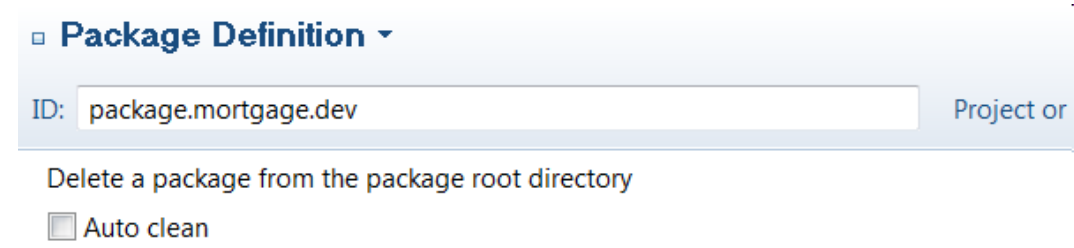
ISPF Client

- Full function SCM client
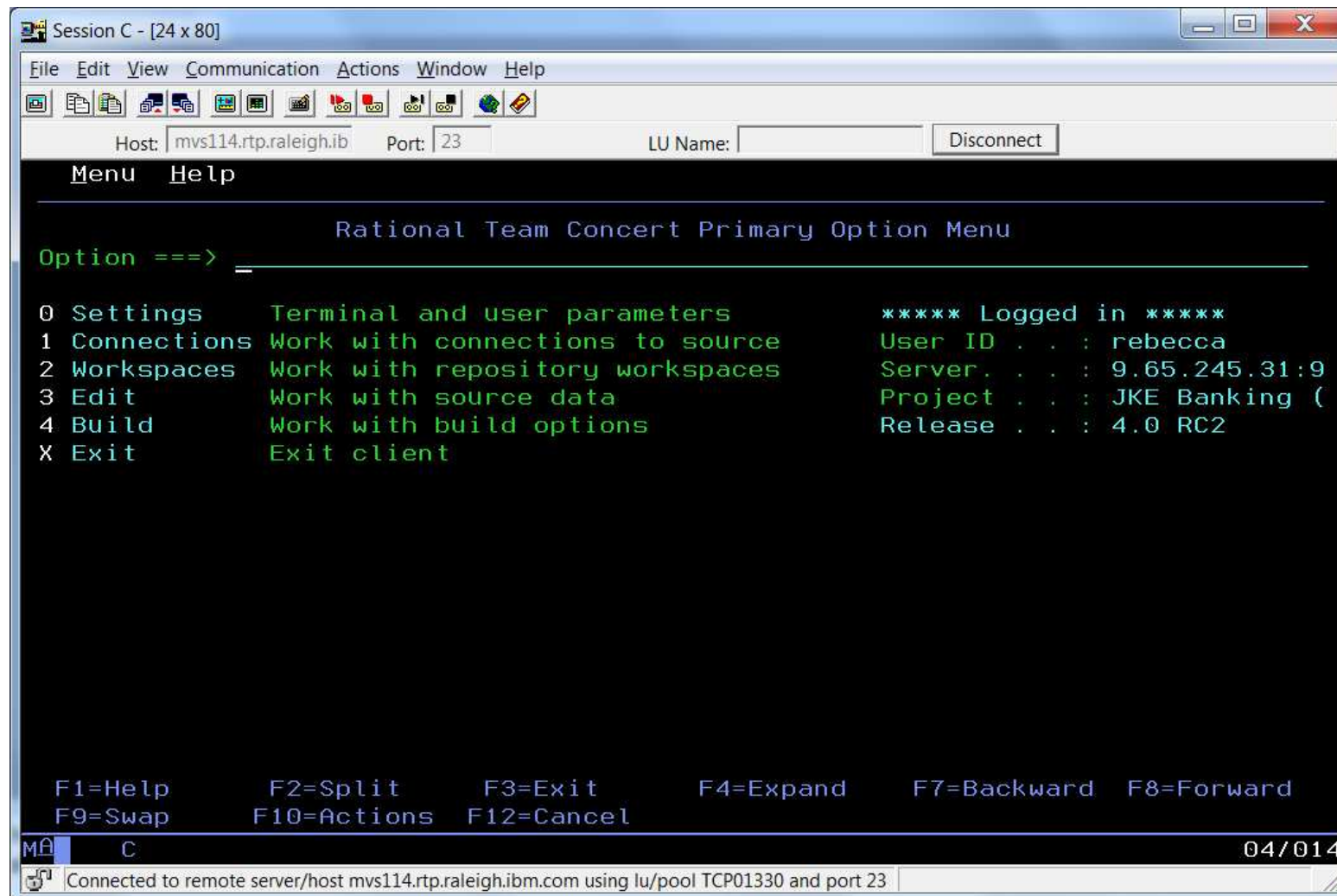
ISPF Client – What's New!

- Conflict resolution: compare and merge

```
VIEW            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 Displayed
000038              05 FILLER                    PIC 99 VALUE 5.
000039              05 FILLER                    PIC X(80)
000040              VALUE 'ZERO OR LESS MONTHS'.
000041              05 FILLER                    PIC 99 VALUE 6.
000042              05 FILLER                    PIC X(80)
======              VALUE 'LOAN YEARS MUST BE 10, 20, 30 OR 40'.
.OAAAA              VALUE ' '.
```

- 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


  F1=Help       F2=Split      F3=Exit       F4=Expand     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  . . . . . COBOL
zFile/Member  . . . . . JKE*

General Specification   (Overrides zComponent Specification)
Folder/File pattern . . _____
```
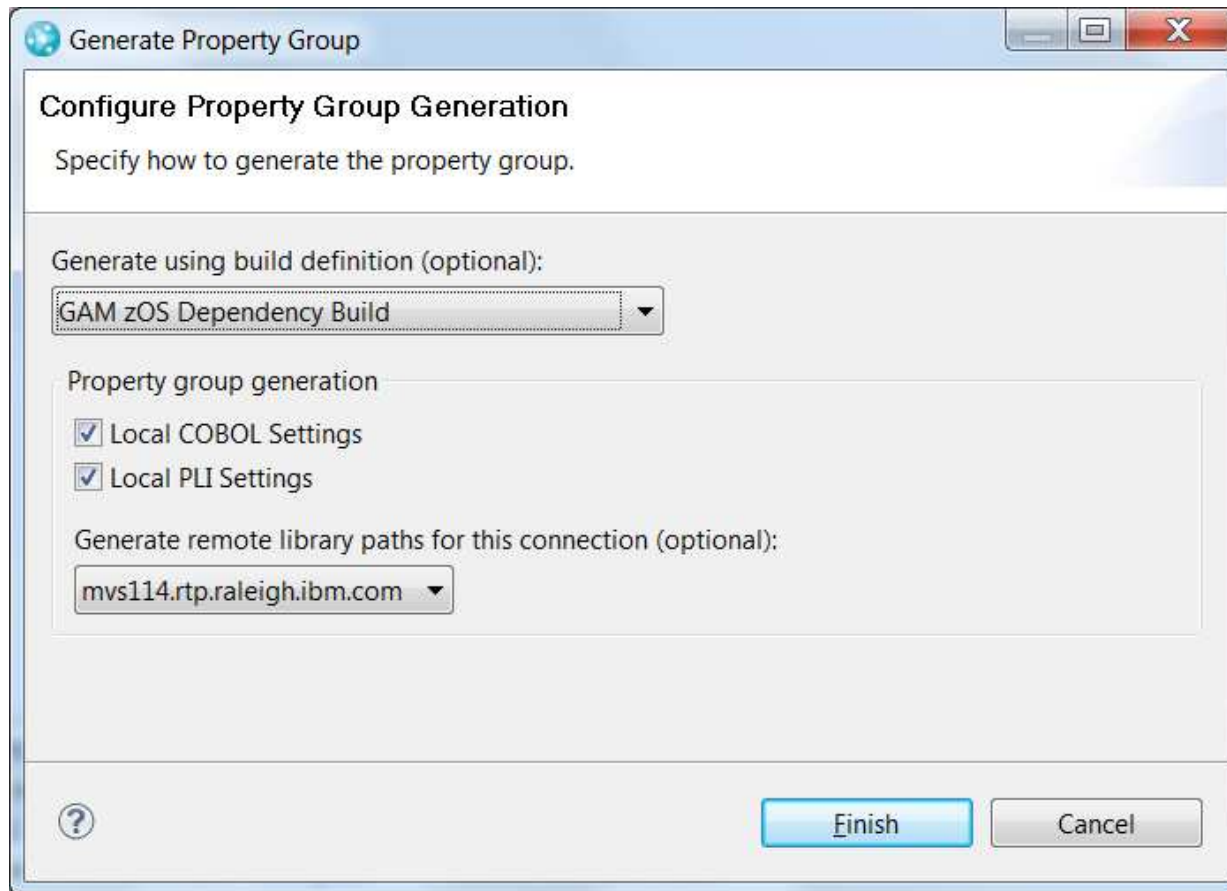
Integration with Rational Developer for System z – What's New!

- 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

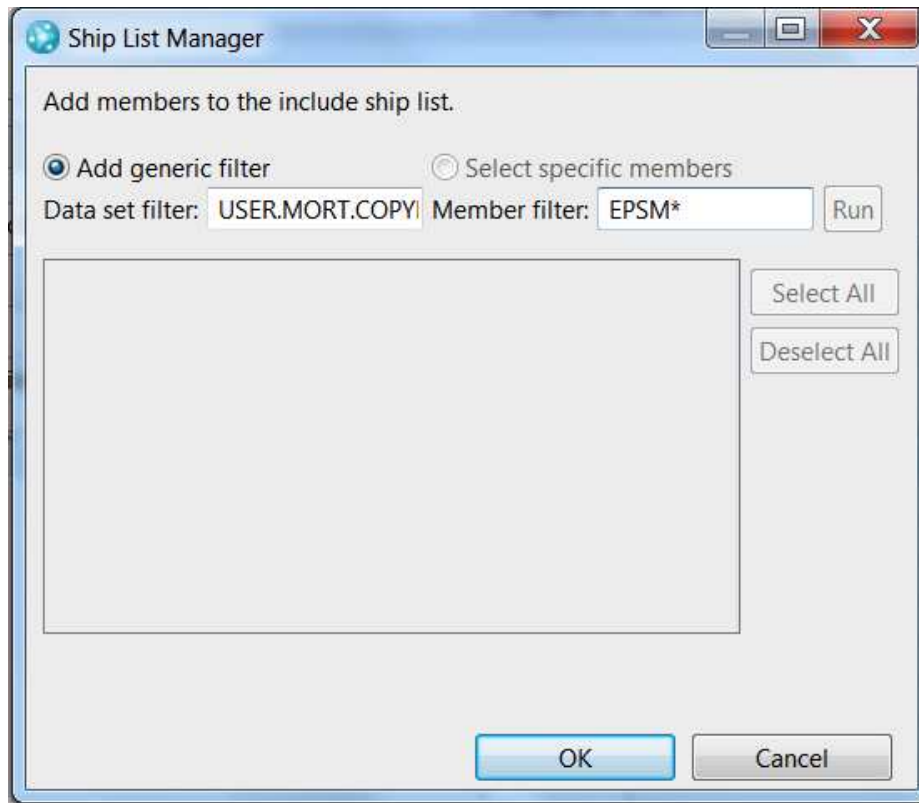Build result management in ISPF client

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

 F1=Help        F2=Split       F3=Exit       F7=Backward   F8=Forward
 F9=Swap        F12=Cancel
```

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.

www.ibm.com/software/rational

http://www.ibm.com/software/fr/rational/

Last Updated: March, 21st 2012